Appendix K

Summary of Soils Crossed by the Keystone XL Project

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
STEELE CITY SEGMENT																
Steele City	MT	Phillips	0.000	0.740	0.740	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	0.000	0.503	0.200	0.000	0.015	0.740	0.355	0.000	0.000
Steele City	MT	Phillips	0.740	0.752	0.013	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.000	0.000	0.001	0.013	0.000	0.013	0.000	0.000	0.000
Steele City	MT	Phillips	0.752	0.876	0.124	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.000	0.000	0.009	0.000	0.002	0.120	0.105	0.000	0.000
Steele City	MT	Phillips	0.876	1.082	0.205	MT641	Phillips loam, 0 to 4 percent slopes	0.000	0.000	0.205	0.205	0.002	0.205	0.000	0.000	0.000
Steele City	MT	Phillips	1.082	1.242	0.160	MT641	Evanston loam, 0 to 4 percent slopes	0.000	0.000	0.011	0.160	0.000	0.155	0.000	0.000	0.005
Steele City	MT	Phillips	1.242	1.492	0.250	MT641	Scobey clay loam, 0 to 4 percent slopes	0.000	0.000	0.015	0.250	0.003	0.250	0.000	0.000	0.000
Steele City	MT	Phillips	1.492	1.582	0.090	MT641	Scobey-Phillips complex, 0 to 4 percent slopes	0.000	0.000	0.045	0.090	0.001	0.090	0.000	0.000	0.000
Steele City	MT	Phillips	1.582	1.717	0.135	MT641	Phillips loam, 0 to 4 percent slopes	0.000	0.000	0.135	0.135	0.001	0.135	0.000	0.000	0.000
Steele City	MT	Phillips	1.717	2.061	0.344	MT641	Scobey clay loam, 0 to 4 percent slopes	0.000	0.000	0.021	0.344	0.003	0.344	0.000	0.000	0.000
Steele City	MT	Phillips	2.061	2.275	0.214	MT641	Scobey-Phillips complex, 0 to 4 percent slopes	0.000	0.000	0.107	0.214	0.002	0.214	0.000	0.000	0.000
Steele City	MT	Phillips	2.275	2.527	0.251	MT641	Ethridge clay loam, 0 to 4 percent slopes	0.000	0.000	0.239	0.251	0.000	0.251	0.000	0.000	0.000
Steele City	MT	Phillips	2.527	3.740	1.213	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	0.000	0.825	0.328	0.000	0.024	1.213	0.582	0.000	0.000
Steele City	MT	Phillips	3.740	3.999	0.259	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.000	0.000	0.018	0.000	0.005	0.252	0.220	0.000	0.000
Steele City	MT	Phillips	3.999	5.949	1.949	MT641	Phillips-Kevin, gravelly complex, 2 to 8 percent slopes	0.000	0.000	1.092	1.949	0.019	1.949	0.858	0.000	0.000
Steele City	MT	Phillips	5.949	6.179	0.231	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.000	0.000	0.016	0.000	0.005	0.224	0.196	0.000	0.000
Steele City	MT	Phillips	6.179	6.465	0.285	MT641	Scobey-Phillips complex, 0 to 4 percent slopes	0.000	0.000	0.143	0.285	0.003	0.285	0.000	0.000	0.000
Steele City	MT	Phillips	6.465	6.865	0.401	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.000	0.000	0.028	0.000	0.008	0.389	0.341	0.000	0.000
Steele City	MT	Phillips	6.865	7.147	0.282	MT641	Scobey-Phillips complex, 0 to 4 percent slopes	0.000	0.000	0.141	0.282	0.003	0.282	0.000	0.000	0.000
Steele City	MT	Phillips	7.147	7.761	0.614	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.000	0.000	0.043	0.000	0.012	0.595	0.522	0.000	0.000
Steele City	MT	Phillips	7.761	7.949	0.188	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.000	0.000	0.019	0.188	0.004	0.188	0.000	0.000	0.000
Steele City	MT	Phillips	7.949	8.074	0.125	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.000	0.109	0.073	0.125	0.001	0.125	0.118	0.000	0.000
Steele City	MT	Phillips	8.074	8.148	0.074	MT641	Evanston loam, 0 to 4 percent slopes	0.000	0.000	0.005	0.074	0.000	0.071	0.000	0.000	0.002
Steele City	MT	Phillips	8.148	8.276	0.128	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.000	0.111	0.074	0.128	0.001	0.128	0.120	0.000	0.000
Steele City	MT	Phillips	8.276	8.364	0.088	MT641	Evanston loam, 0 to 4 percent slopes	0.000	0.000	0.006	0.088	0.000	0.086	0.000	0.000	0.003
Steele City	MT	Phillips	8.364	8.606	0.242	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.000	0.000	0.230	0.000	0.002	0.242	0.000	0.000	0.000
Steele City	MT	Phillips	8.606	9.057	0.451	MT641	Evanston loam, 0 to 4 percent slopes	0.000	0.000	0.032	0.451	0.000	0.438	0.000	0.000	0.014
Steele City	MT	Phillips	9.057	9.118	0.062	MT641	Creed-Gerdrum complex, 0 to 4 percent slopes	0.000	0.000	0.062	0.000	0.000	0.062	0.000	0.000	0.000
Steele City	MT	Phillips	9.118	9.278	0.160	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.000	0.000	0.011	0.000	0.003	0.155	0.136	0.000	0.000
Steele City	MT	Phillips	9.278	9.407	0.129	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.000	0.000	0.013	0.129	0.003	0.129	0.000	0.000	0.000
Steele City	MT	Phillips	9.407	9.778	0.370	MT641	Kevin-Sunburst clay loams, 2 to 8 percent slopes	0.000	0.011	0.148	0.370	0.007	0.370	0.152	0.000	0.000
Steele City	MT	Phillips	9.778	10.033	0.255	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.000	0.008	0.069	0.000	0.005	0.255	0.000	0.000	0.000
Steele City	MT	Phillips	10.033	10.155	0.122	MT641	Sunburst-Bascovy-Weingart complex, 2 to 8 percent slopes	0.000	0.000	0.116	0.000	0.000	0.122	0.079	0.000	0.000
Steele City	MT	Phillips	10.155	10.202	0.047	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.000	0.001	0.013	0.000	0.001	0.047	0.000	0.000	0.000
Steele City	MT	Phillips	10.202	10.409	0.207	MT641	Sunburst-Bascovy-Weingart complex, 2 to 8 percent slopes	0.000	0.000	0.197	0.000	0.000	0.207	0.134	0.000	0.000
Steele City	MT	Phillips	10.409	10.419	0.010	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.000	0.000	0.003	0.000	0.000	0.010	0.000	0.000	0.000
Steele City	MT	Phillips	10.419	10.911	0.492	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	0.000	0.334	0.133	0.000	0.010	0.492	0.236	0.000	0.000
Steele City	MT	Phillips	10.911	10.975	0.064	MT641	Bascovy-Neldore clays, 2 to 8 percent slopes	0.000	0.000	0.063	0.000	0.000	0.063	0.021	0.000	0.000
Steele City	MT	Phillips	10.975	11.505	0.530	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	0.000	0.360	0.143	0.000	0.011	0.530	0.254	0.000	0.000
Steele City	MT	Phillips	11.505	12.044	0.539	MT641	Neldore-Bascovy clays, 4 to 15 percent slopes	0.000	0.485	0.528	0.000	0.000	0.528	0.340	0.000	0.000
Steele City	MT	Phillips	12.044	12.363	0.318	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.000	0.277	0.185	0.318	0.003	0.318	0.299	0.000	0.000
Steele City	MT	Phillips	12.363	12.480	0.117	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.000	0.000	0.111	0.000	0.001	0.117	0.000	0.000	0.000
Steele City	MT	Phillips	12.480	13.023	0.543	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.000	0.016	0.147	0.000	0.011	0.543	0.000	0.000	0.000
Steele City	MT	Phillips	13.023	13.109	0.086	MT641	Neldore-Bascovy-Rock outcrop association, 8 to 60 percent slopes	0.000	0.069	0.065	0.000	0.000	0.069	0.039	0.000	0.000
Steele City	MT	Phillips	13.109	13.423	0.314	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.000	0.000	0.299	0.000	0.003	0.314	0.000	0.000	0.000
Steele City	MT	Phillips	13.423	13.513	0.089	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.000	0.078	0.052	0.089	0.001	0.089	0.084	0.000	0.000
Steele City	MT	Phillips	13.513	13.532	0.019	MT641	Neldore-Bascovy-Rock outcrop association, 8 to 60 percent slopes	0.000	0.015	0.015	0.000	0.000	0.015	0.009	0.000	0.000
Steele City	MT	Phillips	13.532	13.650	0.118	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.000	0.102	0.068	0.118	0.001	0.118	0.111	0.000	0.000
Steele City	MT	Phillips	13.650	13.815	0.165	MT641	Neldore-Bascovy-Rock outcrop association, 8 to 60 percent slopes	0.000	0.132	0.124	0.000	0.000	0.132	0.074	0.000	0.000
Steele City	MT	Phillips	13.815	14.373	0.558	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.000	0.017	0.151	0.000	0.011	0.558	0.000	0.000	0.000
Steele City	MT	Phillips	14.373	15.332	0.960	MT641	Hillon-Kevin complex, 8 to 15 percent slopes	0.000	0.950	0.048	0.000	0.010	0.960	0.921	0.000	0.000
Steele City	MT	Phillips	15.332	15.427	0.095	MT641	Bascovy-Neldore-Weingart clays, 8 to 25 percent slopes	0.000	0.092	0.095	0.000	0.000	0.095	0.047	0.000	0.000
Steele City	MT	Phillips	15.427	15.444	0.017	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.000	0.014	0.010	0.017	0.000	0.017	0.016	0.000	0.000
Steele City	MT	Phillips	15.444	15.461	0.017	MT641	Sunburst-Kevin complex, 15 to 45 percent slopes	0.000	0.017	0.010	0.000	0.000	0.017	0.016	0.000	0.000
Steele City	MT	Phillips	15.461	15.472	0.011	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.000	0.009	0.006	0.011	0.000	0.011	0.010	0.000	0.000
Steele City	MT	Phillips	15.472	15.814	0.342	MT641	Sunburst-Kevin complex, 15 to 45 percent slopes	0.000	0.342	0.195	0.000	0.000	0.342	0.321	0.000	0.000
Steele City	MT	Phillips	15.814	16.211	0.397	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.000	0.012	0.107	0.000	0.008	0.397	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	Phillips	16.211	16.359	0.148	MT641	Sunburst-Neldore association, 15 to 45 percent slopes	0.000	0.133	0.141	0.000	0.000	0.141	0.118	0.000	0.000
Steele City	MT	Phillips	16.359	16.540	0.181	MT641	Neldore-Bascovy-Rock outcrop association, 8 to 60 percent slopes	0.000	0.145	0.136	0.000	0.000	0.145	0.082	0.000	0.000
Steele City	MT	Phillips	16.540	16.760	0.220	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.000	0.007	0.059	0.000	0.004	0.220	0.000	0.000	0.000
Steele City	MT	Phillips	16.760	16.825	0.064	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.000	0.056	0.037	0.064	0.001	0.064	0.060	0.000	0.000
Steele City	MT	Phillips	16.825	16.942	0.118	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.000	0.002	0.006	0.000	0.002	0.118	0.004	0.000	0.000
Steele City	MT	Phillips	16.942	17.012	0.070	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.000	0.061	0.041	0.070	0.001	0.070	0.066	0.000	0.000
Steele City	MT	Phillips	17.012	17.049	0.037	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.000	0.001	0.002	0.000	0.001	0.037	0.001	0.000	0.000
Steele City	MT	Phillips	17.049	17.171	0.121	MT641	Marvan-Gerdrum association, 2 to 15 percent slopes	0.000	0.073	0.121	0.000	0.000	0.121	0.000	0.000	0.000
Steele City	MT	Phillips	17.171	17.314	0.143	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.000	0.003	0.007	0.000	0.003	0.143	0.004	0.000	0.000
Steele City	MT	Phillips	17.314	17.673	0.360	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.000	0.011	0.097	0.000	0.007	0.360	0.000	0.000	0.000
Steele City	MT	Phillips	17.673	17.823	0.150	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.000	0.003	0.007	0.000	0.003	0.150	0.004	0.000	0.000
Steele City	MT	Phillips	17.823	17.855	0.032	MT641	Sunburst-Bascovy-Neldore complex, 8 to 35 percent slopes	0.000	0.028	0.029	0.000	0.000	0.031	0.020	0.000	0.000
Steele City	MT	Phillips	17.855	17.959	0.105	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.000	0.002	0.005	0.000	0.002	0.105	0.003	0.000	0.000
Steele City	MT	Phillips	17.959	18.226	0.266	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.000	0.000	0.027	0.266	0.005	0.266	0.000	0.000	0.000
Steele City	MT	Phillips	18.226	18.302	0.076	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.000	0.000	0.072	0.000	0.001	0.076	0.000	0.000	0.000
Steele City	MT	Phillips	18.302	18.392	0.090	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.000	0.000	0.009	0.090	0.002	0.090	0.000	0.000	0.000
Steele City	MT	Phillips	18.392	18.449	0.057	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.000	0.000	0.054	0.000	0.001	0.057	0.000	0.000	0.000
Steele City	MT	Phillips	18.449	18.499	0.050	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.000	0.000	0.005	0.050	0.001	0.050	0.000	0.000	0.000
Steele City	MT	Phillips	18.499	18.500	0.000	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	MT	Phillips	18.500	18.533	0.034	MT641	Bascovy-Neldore clays, 2 to 8 percent slopes	0.000	0.000	0.033	0.000	0.000	0.033	0.011	0.000	0.000
Steele City	MT	Phillips	18.533	18.555	0.022	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.000	0.000	0.021	0.000	0.000	0.022	0.000	0.000	0.000
Steele City	MT	Phillips	18.555	18.757	0.201	MT641	Bascovy-Neldore clays, 2 to 8 percent slopes	0.000	0.000	0.197	0.000	0.000	0.197	0.066	0.000	0.000
Steele City	MT	Phillips	18.757	19.316	0.559	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.000	0.000	0.039	0.000	0.011	0.543	0.475	0.000	0.000
Steele City	MT	Phillips	19.316	19.650	0.334	MT641	Twilight-Cabbart-Marmarth association, 4 to 15 percent slopes	0.000	0.177	0.161	0.000	0.000	0.177	0.017	0.000	0.017
Steele City	MT	Phillips	19.650	19.750	0.099	MT641	Phillips-Kevin complex, 2 to 8 percent slopes	0.000	0.000	0.060	0.099	0.001	0.099	0.000	0.000	0.000
Steele City	MT	Phillips	19.750	19.789	0.040	MT641	Sunburst-Bascovy-Weingart complex, 2 to 8 percent slopes	0.000	0.000	0.038	0.000	0.000	0.040	0.026	0.000	0.000
Steele City	MT	Phillips	19.789	20.015	0.226	MT641	Phillips-Kevin complex, 2 to 8 percent slopes	0.000	0.000	0.135	0.226	0.002	0.226	0.000	0.000	0.000
Steele City	MT	Phillips	20.015	20.257	0.242	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.000	0.000	0.024	0.242	0.005	0.242	0.000	0.000	0.000
Steele City	MT	Phillips	20.257	20.337	0.080	MT641	Phillips-Kevin complex, 2 to 8 percent slopes	0.000	0.000	0.048	0.080	0.001	0.080	0.000	0.000	0.000
Steele City	MT	Phillips	20.337	20.691	0.355	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.000	0.000	0.025	0.000	0.007	0.344	0.301	0.000	0.000
Steele City	MT	Phillips	20.691	20.734	0.043	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.000	0.035	0.003	0.000	0.000	0.033	0.003	0.000	0.000
Steele City	MT	Phillips	20.734	20.788	0.054	MT641	Harlake clay, 0 to 2 percent slopes	0.000	0.000	0.053	0.054	0.001	0.054	0.000	0.000	0.000
Steele City	MT	Phillips	20.788	21.075	0.287	MT641	Hillon-Kevin complex, 8 to 15 percent slopes	0.000	0.284	0.014	0.000	0.003	0.287	0.275	0.000	0.000
Steele City	MT	Phillips	21.075	21.283	0.209	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.000	0.000	0.015	0.000	0.004	0.203	0.177	0.000	0.000
Steele City	MT	Phillips	21.283	21.315	0.032	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.000	0.026	0.002	0.000	0.000	0.025	0.002	0.000	0.000
Steele City	MT	Phillips	21.315	21.433	0.118	MT641	Havre-Harlake-Glendive complex, 0 to 2 percent slopes	0.000	0.000	0.009	0.118	0.000	0.113	0.000	0.000	0.000
Steele City	MT	Phillips	21.433	21.544	0.110	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.000	0.090	0.008	0.000	0.000	0.086	0.007	0.000	0.000
Steele City	MT	Phillips	21.544	21.584	0.041	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.000	0.000	0.003	0.000	0.001	0.040	0.035	0.000	0.000
Steele City	MT	Phillips	21.584	21.609	0.025	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.000	0.020	0.002	0.000	0.000	0.019	0.001	0.000	0.000
Steele City	MT	Phillips	21.609	21.782	0.173	MT641	Hillon-Kevin complex, 8 to 15 percent slopes	0.000	0.171	0.009	0.000	0.002	0.173	0.166	0.000	0.000
Steele City	MT	Phillips	21.782	21.983	0.201	MT641	Phillips-Kevin complex, 2 to 8 percent slopes	0.000	0.000	0.120	0.201	0.002	0.201	0.000	0.000	0.000
Steele City	MT	Phillips	21.983	22.039	0.056	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.000	0.046	0.004	0.000	0.000	0.043	0.003	0.000	0.000
Steele City	MT	Phillips	22.039	22.881	0.842	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.000	0.000	0.084	0.842	0.017	0.842	0.000	0.000	0.000
Steele City	MT	Phillips	22.881	22.935	0.055	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.000	0.002	0.015	0.000	0.001	0.055	0.000	0.000	0.000
Steele City	MT	Phillips	22.935	23.912	0.977	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.000	0.000	0.098	0.977	0.020	0.977	0.000	0.000	0.000
Steele City	MT	Phillips	23.912	23.994	0.082	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.000	0.067	0.006	0.000	0.000	0.064	0.005	0.000	0.000
Steele City	MT	Phillips	23.994	24.491	0.497	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.000	0.000	0.050	0.497	0.010	0.497	0.000	0.000	0.000
Steele City	MT	Phillips	24.491	25.183	0.692	MT641	Telstad-Joplin loams, 2 to 8 percent slopes	0.000	0.000	0.623	0.692	0.007	0.692	0.242	0.000	0.000
Steele City	MT	Phillips	25.183	25.358	0.175	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.000	0.143	0.012	0.000	0.000	0.136	0.010	0.000	0.000
Steele City	MT	Phillips	25.358	25.413	0.055	MT641	Yamacall loam, 2 to 8 percent slopes	0.000	0.001	0.053	0.055	0.000	0.053	0.000	0.000	0.002
Steele City	MT	Phillips	25.413	25.461	0.048	MT641	Marvan complex, 2 to 8 percent slopes	0.000	0.000	0.048	0.000	0.000	0.048	0.000	0.000	0.000
Steele City	MT	Phillips	25.461	25.757	0.296	MT641	Harlake-Havre clay loams, 0 to 2 percent slopes	0.000	0.000	0.192	0.296	0.006	0.296	0.000	0.000	0.000
Steele City	MT	Valley	25.757	25.997	0.240	MT105	Typic Fluvaquents, gently sloping	0.000	0.000	0.048	0.000	0.024	0.240	0.192	0.000	0.000
Steele City	MT	Valley	25.997	26.054	0.057	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.000	0.054	0.048	0.000	0.000	0.051	0.000	0.000	0.000
Steele City	MT	Valley	26.054	26.116	0.062	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.062	0.057	0.000	0.000	0.062	0.050	0.000	0.000
Steele City	MT	Valley	26.116	27.299	1.182	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	1.041	0.828	0.000	0.012	1.182	0.095	0.000	0.000
Steele City	MT	Valley	27.299	27.452	0.154	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.000	0.149	0.071	0.000	0.000	0.154	0.046	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	Valley	27.452	28.218	0.766	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.674	0.536	0.000	0.008	0.766	0.061	0.000	0.000
Steele City	MT	Valley	28.218	28.702	0.484	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.015	0.469	0.000	0.005	0.484	0.000	0.000	0.000
Steele City	MT	Valley	28.702	29.079	0.376	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.331	0.264	0.000	0.004	0.376	0.030	0.000	0.000
Steele City	MT	Valley	29.079	29.379	0.301	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.271	0.271	0.000	0.003	0.301	0.000	0.000	0.000
Steele City	MT	Valley	29.379	29.571	0.192	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.169	0.134	0.000	0.002	0.192	0.015	0.000	0.000
Steele City	MT	Valley	29.571	30.063	0.491	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.442	0.442	0.000	0.005	0.491	0.000	0.000	0.000
Steele City	MT	Valley	30.063	30.378	0.316	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.278	0.221	0.000	0.003	0.316	0.025	0.000	0.000
Steele City	MT	Valley	30.378	30.635	0.256	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.231	0.231	0.000	0.003	0.256	0.000	0.000	0.000
Steele City	MT	Valley	30.635	30.913	0.278	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.245	0.195	0.000	0.003	0.278	0.022	0.000	0.000
Steele City	MT	Valley	30.913	31.300	0.388	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.349	0.349	0.000	0.004	0.388	0.000	0.000	0.000
Steele City	MT	Valley	31.300	31.822	0.521	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.459	0.365	0.000	0.005	0.521	0.042	0.000	0.000
Steele City	MT	Valley	31.822	32.282	0.461	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.415	0.415	0.000	0.005	0.461	0.000	0.000	0.000
Steele City	MT	Valley	32.282	32.354	0.072	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.068	0.067	0.000	0.000	0.067	0.030	0.000	0.001
Steele City	MT	Valley	32.354	32.482	0.128	MT105	Elloam clay loam, 1 to 5 percent slopes	0.000	0.000	0.128	0.000	0.000	0.128	0.000	0.000	0.000
Steele City	MT	Valley	32.482	32.649	0.167	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.000	0.162	0.167	0.000	0.000	0.167	0.151	0.000	0.000
Steele City	MT	Valley	32.649	32.907	0.258	MT105	Thebo-Lisam clays, 2 to 15 percent slopes	0.000	0.240	0.253	0.000	0.000	0.253	0.000	0.000	0.000
Steele City	MT	Valley	32.907	32.931	0.024	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.023	0.022	0.000	0.000	0.022	0.010	0.000	0.000
Steele City	MT	Valley	32.931	33.038	0.107	MT105	Elloam clay loam, 1 to 5 percent slopes	0.000	0.000	0.107	0.000	0.000	0.107	0.000	0.000	0.000
Steele City	MT	Valley	33.038	33.838	0.801	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.721	0.721	0.000	0.008	0.801	0.000	0.000	0.000
Steele City	MT	Valley	33.838	33.954	0.115	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.000	0.112	0.053	0.000	0.000	0.115	0.035	0.000	0.000
Steele City	MT	Valley	33.954	34.586	0.632	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.569	0.569	0.000	0.006	0.632	0.000	0.000	0.000
Steele City	MT	Valley	34.586	34.635	0.049	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.000	0.048	0.030	0.000	0.000	0.049	0.021	0.000	0.000
Steele City	MT	Valley	34.635	34.689	0.054	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.049	0.049	0.000	0.001	0.054	0.000	0.000	0.000
Steele City	MT	Valley	34.689	35.167	0.477	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.000	0.468	0.286	0.000	0.005	0.477	0.205	0.000	0.000
Steele City	MT	Valley	35.167	35.317	0.150	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.135	0.135	0.000	0.002	0.150	0.000	0.000	0.000
Steele City	MT	Valley	35.317	35.433	0.116	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.000	0.114	0.070	0.000	0.001	0.116	0.050	0.000	0.000
Steele City	MT	Valley	35.433	35.510	0.077	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.002	0.075	0.000	0.001	0.077	0.000	0.000	0.000
Steele City	MT	Valley	35.510	35.587	0.078	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.000	0.075	0.066	0.000	0.000	0.070	0.000	0.000	0.000
Steele City	MT	Valley	35.587	35.855	0.268	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.008	0.260	0.000	0.003	0.268	0.000	0.000	0.000
Steele City	MT	Valley	35.855	36.069	0.213	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.203	0.198	0.000	0.000	0.198	0.090	0.000	0.004
Steele City	MT	Valley	36.069	36.263	0.194	MT105	Marmarth-Cabbart loams, 5 to 25 percent slopes	0.000	0.194	0.091	0.000	0.000	0.194	0.000	0.000	0.000
Steele City	MT	Valley	36.263	36.583	0.321	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.282	0.224	0.000	0.003	0.321	0.026	0.000	0.000
Steele City	MT	Valley	36.583	38.199	1.616	MT105	Scobey stony clay loams, 2 to 15 percent slopes	0.000	1.616	0.242	0.000	0.000	1.616	1.503	0.000	0.000
Steele City	MT	Valley	38.199	38.652	0.452	MT105	Scobey clay loam, 1 to 9 percent slopes	0.000	0.434	0.045	0.000	0.005	0.452	0.014	0.000	0.000
Steele City	MT	Valley	38.652	38.754	0.102	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.000	0.098	0.087	0.000	0.000	0.092	0.000	0.000	0.000
Steele City	MT	Valley	38.754	38.850	0.096	MT105	Scobey clay loam, 1 to 9 percent slopes	0.000	0.093	0.010	0.000	0.001	0.096	0.003	0.000	0.000
Steele City	MT	Valley	38.850	39.073	0.223	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.000	0.214	0.190	0.000	0.000	0.201	0.000	0.000	0.000
Steele City	MT	Valley	39.073	39.273	0.200	MT105	Ustic Torrifluvents, gently sloping	0.000	0.000	0.200	0.000	0.000	0.200	0.200	0.000	0.200
Steele City	MT	Valley	39.273	39.333	0.060	MT105	Havre-Glendive complex	0.000	0.000	0.060	0.060	0.000	0.060	0.000	0.000	0.000
Steele City	MT	Valley	39.333	39.599	0.266	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.000	0.255	0.226	0.000	0.000	0.239	0.000	0.000	0.000
Steele City	MT	Valley	39.599	40.079	0.480	MT105	Telstad loam, 1 to 9 percent slopes	0.000	0.451	0.456	0.000	0.005	0.480	0.000	0.000	0.000
Steele City	MT	Valley	40.079	40.355	0.276	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.000	0.265	0.234	0.000	0.000	0.248	0.000	0.000	0.000
Steele City	MT	Valley	40.355	40.782	0.427	MT105	Ustic Torrifluvents, gently sloping	0.000	0.000	0.427	0.000	0.000	0.427	0.427	0.000	0.427
Steele City	MT	Valley	40.782	40.912	0.129	MT105	Evanston loam, 2 to 9 percent slopes	0.000	0.124	0.013	0.000	0.000	0.129	0.000	0.000	0.000
Steele City	MT	Valley	40.912	41.058	0.146	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.146	0.135	0.000	0.000	0.146	0.117	0.000	0.000
Steele City	MT	Valley	41.058	41.092	0.034	MT105	Lonna-Marias complex, 1 to 3 percent slopes	0.000	0.000	0.033	0.000	0.000	0.034	0.000	0.000	0.000
Steele City	MT	Valley	41.092	41.211	0.118	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.118	0.109	0.000	0.000	0.118	0.095	0.000	0.000
Steele City	MT	Valley	41.211	41.446	0.235	MT105	Lonna-Marias complex, 1 to 3 percent slopes	0.000	0.000	0.228	0.000	0.000	0.235	0.000	0.000	0.000
Steele City	MT	Valley	41.446	41.508	0.063	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.000	0.060	0.053	0.000	0.000	0.056	0.000	0.000	0.000
Steele City	MT	Valley	41.508	41.637	0.129	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.129	0.119	0.000	0.000	0.129	0.103	0.000	0.000
Steele City	MT	Valley	41.637	42.352	0.715	MT105	Scobey clay loam, 1 to 9 percent slopes	0.000	0.686	0.071	0.000	0.007	0.715	0.021	0.000	0.000
Steele City	MT	Valley	42.352	42.437	0.085	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.085	0.078	0.000	0.000	0.085	0.068	0.000	0.000
Steele City	MT	Valley	42.437	42.563	0.127	MT105	Scobey clay loam, 1 to 9 percent slopes	0.000	0.122	0.013	0.000	0.001	0.127	0.004	0.000	0.000
Steele City	MT	Valley	42.563	42.828	0.264	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.000	0.256	0.122	0.000	0.000	0.264	0.079	0.000	0.000
Steele City	MT	Valley	42.828	42.975	0.147	MT105	Evanston loam, 2 to 9 percent slopes	0.000	0.141	0.015	0.000	0.000	0.147	0.000	0.000	0.000
Steele City	MT	Valley	42.975	43.156	0.181	MT105	Marmarth-Cabbart loams, 5 to 25 percent slopes	0.000	0.181	0.085	0.000	0.000	0.181	0.000	0.000	0.000
Steele City	MT	Valley	43.156	43.245	0.088	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.078	0.062	0.000	0.001	0.088	0.007	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	Valley	43.245	43.533	0.288	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.259	0.259	0.000	0.003	0.288	0.000	0.000	0.000
Steele City	MT	Valley	43.533	43.664	0.131	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.004	0.127	0.000	0.001	0.131	0.000	0.000	0.000
Steele City	MT	Valley	43.664	44.002	0.338	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.297	0.237	0.000	0.003	0.338	0.027	0.000	0.000
Steele City	MT	Valley	44.002	44.144	0.142	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.004	0.137	0.000	0.001	0.142	0.000	0.000	0.000
Steele City	MT	Valley	44.144	44.394	0.251	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.220	0.175	0.000	0.003	0.251	0.020	0.000	0.000
Steele City	MT	Valley	44.394	44.475	0.080	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.080	0.074	0.000	0.000	0.080	0.064	0.000	0.000
Steele City	MT	Valley	44.475	44.793	0.319	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.281	0.223	0.000	0.003	0.319	0.026	0.000	0.000
Steele City	MT	Valley	44.793	44.840	0.046	MT105	Marmarth-Cabbart loams, 5 to 25 percent slopes	0.000	0.046	0.022	0.000	0.000	0.046	0.000	0.000	0.000
Steele City	MT	Valley	44.840	44.912	0.072	MT105	Ustic Torrifluvents, gently sloping	0.000	0.000	0.072	0.000	0.000	0.072	0.072	0.000	0.072
Steele City	MT	Valley	44.912	45.060	0.149	MT105	Evanston loam, 2 to 9 percent slopes	0.000	0.143	0.015	0.000	0.000	0.149	0.000	0.000	0.000
Steele City	MT	Valley	45.060	45.197	0.136	MT105	Marmarth-Cabbart loams, 5 to 25 percent slopes	0.000	0.136	0.064	0.000	0.000	0.136	0.000	0.000	0.000
Steele City	MT	Valley	45.197	45.442	0.246	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.007	0.238	0.000	0.002	0.246	0.000	0.000	0.000
Steele City	MT	Valley	45.442	45.754	0.311	MT105	Elloam clay loam, 1 to 5 percent slopes	0.000	0.000	0.311	0.000	0.000	0.311	0.000	0.000	0.000
Steele City	MT	Valley	45.754	45.825	0.071	MT105	Marias clay, 1 to 9 percent slopes	0.000	0.068	0.071	0.000	0.000	0.071	0.001	0.000	0.000
Steele City	MT	Valley	45.825	46.136	0.311	MT105	Thebo clay, 2 to 9 percent slopes	0.000	0.311	0.311	0.000	0.000	0.311	0.000	0.000	0.000
Steele City	MT	Valley	46.136	46.172	0.036	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.000	0.000	0.036	0.000	0.000	0.036	0.000	0.000	0.000
Steele City	MT	Valley	46.172	46.305	0.134	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.000	0.131	0.080	0.000	0.001	0.134	0.057	0.000	0.000
Steele City	MT	Valley	46.305	46.599	0.294	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.000	0.000	0.294	0.000	0.003	0.294	0.000	0.000	0.000
Steele City	MT	Valley	46.599	46.914	0.314	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.299	0.292	0.000	0.000	0.292	0.132	0.000	0.006
Steele City	MT	Valley	46.914	46.927	0.013	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.000	0.000	0.013	0.000	0.000	0.013	0.000	0.000	0.000
Steele City	MT	Valley	46.927	47.006	0.079	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.075	0.073	0.000	0.000	0.073	0.033	0.000	0.002
Steele City	MT	Valley	47.006	47.278	0.272	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.000	0.000	0.272	0.000	0.003	0.272	0.000	0.000	0.000
Steele City	MT	Valley	47.278	47.554	0.276	MT105	Tinsley complex, 9 to 35 percent slopes	0.000	0.221	0.083	0.000	0.000	0.152	0.221	0.000	0.165
Steele City	MT	Valley	47.554	47.801	0.247	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.007	0.240	0.000	0.002	0.247	0.000	0.000	0.000
Steele City	MT	Valley	47.801	47.905	0.103	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.000	0.100	0.103	0.000	0.000	0.103	0.093	0.000	0.000
Steele City	MT	Valley	47.905	48.021	0.117	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.004	0.113	0.000	0.001	0.117	0.000	0.000	0.000
Steele City	MT	Valley	48.021	48.484	0.463	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.440	0.431	0.000	0.000	0.431	0.194	0.000	0.009
Steele City	MT	Valley	48.484	48.638	0.153	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.000	0.000	0.153	0.000	0.002	0.153	0.000	0.000	0.000
Steele City	MT	Valley	48.638	48.689	0.051	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.000	0.050	0.024	0.000	0.000	0.051	0.015	0.000	0.000
Steele City	MT	Valley	48.689	48.713	0.024	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.022	0.022	0.000	0.000	0.024	0.000	0.000	0.000
Steele City	MT	Valley	48.713	48.767	0.054	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.000	0.052	0.025	0.000	0.000	0.054	0.016	0.000	0.000
Steele City	MT	Valley	48.767	48.832	0.065	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.058	0.058	0.000	0.001	0.065	0.000	0.000	0.000
Steele City	MT	Valley	48.832	48.993	0.161	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.000	0.156	0.074	0.000	0.000	0.161	0.048	0.000	0.000
Steele City	MT	Valley	48.993	49.036	0.043	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.038	0.038	0.000	0.000	0.043	0.000	0.000	0.000
Steele City	MT	Valley	49.036	49.108	0.072	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.000	0.070	0.033	0.000	0.000	0.072	0.022	0.000	0.000
Steele City	MT	Valley	49.108	51.068	1.960	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	1.764	1.764	0.000	0.020	1.960	0.000	0.000	0.000
Steele City	MT	Valley	51.068	51.207	0.139	MT105	Absher-Vaeda complex, 1 to 5 percent slopes	0.000	0.000	0.139	0.000	0.000	0.139	0.000	0.000	0.000
Steele City	MT	Valley	51.207	51.478	0.271	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.258	0.252	0.000	0.000	0.252	0.114	0.000	0.005
Steele City	MT	Valley	51.478	51.554	0.076	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.000	0.000	0.076	0.000	0.001	0.076	0.000	0.000	0.000
Steele City	MT	Valley	51.554	51.721	0.167	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.159	0.155	0.000	0.000	0.155	0.070	0.000	0.003
Steele City	MT	Valley	51.721	52.135	0.413	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.000	0.000	0.413	0.000	0.004	0.413	0.000	0.000	0.000
Steele City	MT	Valley	52.135	52.273	0.138	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.131	0.128	0.000	0.000	0.128	0.058	0.000	0.003
Steele City	MT	Valley	52.273	52.371	0.098	MT105	Ustic Torrifluvents, gently sloping	0.000	0.000	0.098	0.000	0.000	0.098	0.098	0.000	0.098
Steele City	MT	Valley	52.371	52.440	0.069	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.066	0.064	0.000	0.000	0.064	0.029	0.000	0.001
Steele City	MT	Valley	52.440	52.878	0.438	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.394	0.394	0.000	0.004	0.438	0.000	0.000	0.000
Steele City	MT	Valley	52.878	52.947	0.069	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.065	0.064	0.000	0.000	0.064	0.029	0.000	0.001
Steele City	MT	Valley	52.947	53.125	0.178	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.161	0.161	0.000	0.002	0.178	0.000	0.000	0.000
Steele City	MT	Valley	53.125	53.207	0.082	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.078	0.076	0.000	0.000	0.076	0.034	0.000	0.002
Steele City	MT	Valley	53.207	53.254	0.047	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.000	0.046	0.047	0.000	0.000	0.047	0.042	0.000	0.000
Steele City	MT	Valley	53.254	53.474	0.220	MT105	Absher-Vaeda complex, 1 to 5 percent slopes	0.000	0.000	0.220	0.000	0.000	0.220	0.000	0.000	0.000
Steele City	MT	Valley	53.474	53.576	0.101	MT105	Thebo-Lisam clays, 2 to 15 percent slopes	0.000	0.094	0.099	0.000	0.000	0.099	0.000	0.000	0.000
Steele City	MT	Valley	53.576	54.011	0.435	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.413	0.404	0.000	0.000	0.404	0.183	0.000	0.009
Steele City	MT	Valley	54.011	54.303	0.293	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.000	0.000	0.293	0.000	0.003	0.293	0.000	0.000	0.000
Steele City	MT	Valley	54.303	54.745	0.442	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.398	0.398	0.000	0.004	0.442	0.000	0.000	0.000
Steele City	MT	Valley	54.745	55.201	0.456	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.433	0.424	0.000	0.000	0.424	0.191	0.000	0.009
Steele City	MT	Valley	55.201	55.297	0.097	MT105	Ustic Torrifluvents, gently sloping	0.000	0.000	0.097	0.000	0.000	0.097	0.097	0.000	0.097
Steele City	MT	Valley	55.297	55.651	0.354	MT105	Havre-Harlem silty clays	0.000	0.000	0.318	0.000	0.000	0.318	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	Valley	55.651	55.755	0.104	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.099	0.097	0.000	0.000	0.097	0.044	0.000	0.002
Steele City	MT	Valley	55.755	55.828	0.073	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.065	0.065	0.000	0.001	0.073	0.000	0.000	0.000
Steele City	MT	Valley	55.828	55.993	0.165	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.165	0.152	0.000	0.000	0.165	0.132	0.000	0.000
Steele City	MT	Valley	55.993	56.037	0.044	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.039	0.039	0.000	0.000	0.044	0.000	0.000	0.000
Steele City	MT	Valley	56.037	56.137	0.100	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.100	0.092	0.000	0.000	0.100	0.080	0.000	0.000
Steele City	MT	Valley	56.137	56.511	0.375	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.337	0.337	0.000	0.004	0.375	0.000	0.000	0.000
Steele City	MT	Valley	56.511	56.583	0.072	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.068	0.067	0.000	0.000	0.067	0.030	0.000	0.001
Steele City	MT	Valley	56.583	56.835	0.251	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.226	0.226	0.000	0.003	0.251	0.000	0.000	0.000
Steele City	MT	Valley	56.835	56.892	0.057	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.054	0.053	0.000	0.000	0.053	0.024	0.000	0.001
Steele City	MT	Valley	56.892	57.064	0.173	MT105	Aquic Ustifluvents, saline	0.000	0.000	0.173	0.000	0.009	0.173	0.000	0.000	0.000
Steele City	MT	Valley	57.064	57.205	0.140	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.000	0.136	0.140	0.000	0.000	0.140	0.126	0.000	0.000
Steele City	MT	Valley	57.205	57.270	0.065	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.000	0.064	0.039	0.000	0.001	0.065	0.028	0.000	0.000
Steele City	MT	Valley	57.270	57.337	0.067	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.064	0.062	0.000	0.000	0.062	0.028	0.000	0.001
Steele City	MT	Valley	57.337	57.402	0.065	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.000	0.064	0.039	0.000	0.001	0.065	0.028	0.000	0.000
Steele City	MT	Valley	57.402	57.596	0.195	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.185	0.181	0.000	0.000	0.181	0.082	0.000	0.004
Steele City	MT	Valley	57.596	57.799	0.203	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.182	0.182	0.000	0.002	0.203	0.000	0.000	0.000
Steele City	MT	Valley	57.799	58.380	0.581	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.000	0.564	0.581	0.000	0.000	0.581	0.523	0.000	0.000
Steele City	MT	Valley	58.380	59.245	0.865	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.000	0.000	0.865	0.000	0.009	0.865	0.000	0.000	0.000
Steele City	MT	Valley	59.245	59.359	0.114	MT105	Ustic Torrifluvents, gently sloping	0.000	0.000	0.114	0.000	0.000	0.114	0.114	0.000	0.114
Steele City	MT	Valley	59.359	59.463	0.104	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.000	0.101	0.104	0.000	0.000	0.104	0.093	0.000	0.000
Steele City	MT	Valley	59.463	59.629	0.167	MT105	Elloam clay loam, 1 to 5 percent slopes	0.000	0.000	0.167	0.000	0.000	0.167	0.000	0.000	0.000
Steele City	MT	Valley	59.629	59.752	0.122	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.000	0.119	0.122	0.000	0.000	0.122	0.110	0.000	0.000
Steele City	MT	Valley	59.752	59.925	0.174	MT105	Aquic Ustifluvents, saline	0.000	0.000	0.174	0.000	0.009	0.174	0.000	0.000	0.000
Steele City	MT	Valley	59.925	60.131	0.205	MT105	Redvale loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.205	0.000	0.205	0.197	0.000	0.197
Steele City	MT	Valley	60.131	61.142	1.012	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.000	0.000	1.012	0.000	0.010	1.012	0.000	0.000	0.000
Steele City	MT	Valley	61.142	61.581	0.438	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.000	0.425	0.202	0.000	0.000	0.438	0.132	0.000	0.000
Steele City	MT	Valley	61.581	61.725	0.145	MT105	Ustic Torrifluvents, gently sloping	0.000	0.000	0.145	0.000	0.000	0.145	0.145	0.000	0.145
Steele City	MT	Valley	61.725	61.933	0.207	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.000	0.201	0.095	0.000	0.000	0.207	0.062	0.000	0.000
Steele City	MT	Valley	61.933	63.224	1.292	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.000	0.000	1.292	0.000	0.013	1.292	0.000	0.000	0.000
Steele City	MT	Valley	63.224	63.632	0.407	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.358	0.285	0.000	0.004	0.407	0.033	0.000	0.000
Steele City	MT	Valley	63.632	64.157	0.526	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.016	0.510	0.000	0.005	0.526	0.000	0.000	0.000
Steele City	MT	Valley	64.157	64.948	0.791	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.000	0.000	0.791	0.000	0.008	0.791	0.000	0.000	0.000
Steele City	MT	Valley	64.948	66.849	1.900	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	1.672	1.330	0.000	0.019	1.900	0.152	0.000	0.000
Steele City	MT	Valley	66.849	66.890	0.041	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.000	0.040	0.019	0.000	0.000	0.041	0.012	0.000	0.000
Steele City	MT	Valley	66.890	66.978	0.088	MT105	Ustic Torrifluvents, gently sloping	0.000	0.000	0.088	0.000	0.000	0.088	0.088	0.000	0.088
Steele City	MT	Valley	66.978	67.142	0.163	MT105	Havre-Harlem silty clays	0.000	0.000	0.147	0.000	0.000	0.147	0.000	0.000	0.000
Steele City	MT	Valley	67.142	67.237	0.095	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.086	0.086	0.000	0.001	0.095	0.000	0.000	0.000
Steele City	MT	Valley	67.237	67.461	0.224	MT105	Redvale loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.224	0.000	0.224	0.215	0.000	0.215
Steele City	MT	Valley	67.461	67.603	0.142	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.128	0.128	0.000	0.001	0.142	0.000	0.000	0.000
Steele City	MT	Valley	67.603	67.807	0.204	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.179	0.143	0.000	0.002	0.204	0.016	0.000	0.000
Steele City	MT	Valley	67.807	68.031	0.223	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.000	0.000	0.223	0.000	0.002	0.223	0.000	0.000	0.000
Steele City	MT	Valley	68.031	68.333	0.302	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.266	0.211	0.000	0.003	0.302	0.024	0.000	0.000
Steele City	MT	Valley	68.333	68.456	0.123	MT105	Redvale loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.123	0.000	0.123	0.118	0.000	0.118
Steele City	MT	Valley	68.456	68.596	0.140	MT105	Ustic Torrifluvents, gently sloping	0.000	0.000	0.140	0.000	0.000	0.140	0.140	0.000	0.140
Steele City	MT	Valley	68.596	69.204	0.608	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.535	0.426	0.000	0.006	0.608	0.049	0.000	0.000
Steele City	MT	Valley	69.204	69.245	0.042	MT105	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	MT	Valley	69.245	69.439	0.194	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.171	0.136	0.000	0.002	0.194	0.016	0.000	0.000
Steele City	MT	Valley	69.439	70.256	0.817	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.000	0.000	0.817	0.000	0.008	0.817	0.000	0.000	0.000
Steele City	MT	Valley	70.256	70.414	0.158	MT105	Aquic Ustifluvents, saline	0.000	0.000	0.158	0.000	0.008	0.158	0.000	0.000	0.000
Steele City	MT	Valley	70.414	70.478	0.063	MT105	Havre-Rivra complex	0.000	0.000	0.035	0.000	0.000	0.051	0.022	0.000	0.022
Steele City	MT	Valley	70.478	70.568	0.090	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.090	0.083	0.000	0.000	0.090	0.072	0.000	0.000
Steele City	MT	Valley	70.568	70.784	0.216	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.190	0.151	0.000	0.002	0.216	0.017	0.000	0.000
Steele City	MT	Valley	70.784	70.862	0.078	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.078	0.072	0.000	0.000	0.078	0.063	0.000	0.000
Steele City	MT	Valley	70.862	71.047	0.185	MT105	Ustic Torrifluvents, gently sloping	0.000	0.000	0.185	0.000	0.000	0.185	0.185	0.000	0.185
Steele City	MT	Valley	71.047	72.909	1.862	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	1.638	1.303	0.000	0.019	1.862	0.149	0.000	0.000
Steele City	MT	Valley	72.909	73.437	0.528	MT105	Scobey clay loam, 1 to 9 percent slopes	0.000	0.507	0.053	0.000	0.005	0.528	0.016	0.000	0.000
Steele City	MT	Valley	73.437	73.535	0.098	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.086	0.068	0.000	0.001	0.098	0.008	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	Valley	73.535	73.606	0.071	MT105	Scobey clay loam, 1 to 9 percent slopes	0.000	0.068	0.007	0.000	0.001	0.071	0.002	0.000	0.000
Steele City	MT	Valley	73.606	75.808	2.202	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	1.938	1.542	0.000	0.022	2.202	0.176	0.000	0.000
Steele City	MT	Valley	75.808	75.875	0.067	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.067	0.062	0.000	0.000	0.067	0.053	0.000	0.000
Steele City	MT	Valley	75.875	75.936	0.061	MT105	Ustic Torrifluvents, gently sloping	0.000	0.000	0.061	0.000	0.000	0.061	0.061	0.000	0.061
Steele City	MT	Valley	75.936	75.986	0.050	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.050	0.046	0.000	0.000	0.050	0.040	0.000	0.000
Steele City	MT	Valley	75.986	76.489	0.503	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.442	0.352	0.000	0.005	0.503	0.040	0.000	0.000
Steele City	MT	Valley	76.489	76.514	0.026	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.026	0.024	0.000	0.000	0.026	0.021	0.000	0.000
Steele City	MT	Valley	76.514	77.759	1.245	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	1.096	0.872	0.000	0.012	1.245	0.100	0.000	0.000
Steele City	MT	Valley	77.759	77.837	0.078	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.078	0.072	0.000	0.000	0.078	0.062	0.000	0.000
Steele City	MT	Valley	77.837	77.893	0.055	MT105	Ustic Torrifluvents, gently sloping	0.000	0.000	0.055	0.000	0.000	0.055	0.055	0.000	0.055
Steele City	MT	Valley	77.893	77.922	0.029	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.029	0.027	0.000	0.000	0.029	0.024	0.000	0.000
Steele City	MT	Valley	77.922	78.056	0.133	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.117	0.093	0.000	0.001	0.133	0.011	0.000	0.000
Steele City	MT	Valley	78.056	78.287	0.231	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.231	0.213	0.000	0.000	0.231	0.185	0.000	0.000
Steele City	MT	Valley	78.287	78.684	0.397	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.350	0.278	0.000	0.004	0.397	0.032	0.000	0.000
Steele City	MT	Valley	78.684	78.856	0.172	MT105	Nishon loam	0.000	0.003	0.169	0.000	0.164	0.172	0.000	0.000	0.000
Steele City	MT	Valley	78.856	79.304	0.448	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.394	0.313	0.000	0.004	0.448	0.036	0.000	0.000
Steele City	MT	Valley	79.304	79.676	0.372	MT105	Scobey clay loam, 1 to 9 percent slopes	0.000	0.357	0.037	0.000	0.004	0.372	0.011	0.000	0.000
Steele City	MT	Valley	79.676	80.784	1.108	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.975	0.776	0.000	0.011	1.108	0.089	0.000	0.000
Steele City	MT	Valley	80.784	82.130	1.346	MT105	Redvale loam, 0 to 3 percent slopes	0.000	0.000	0.000	1.346	0.000	1.346	1.292	0.000	1.292
Steele City	MT	Valley	82.130	82.412	0.282	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.282	0.260	0.000	0.000	0.282	0.226	0.000	0.000
Steele City	MT	Valley	82.412	82.492	0.080	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.072	0.072	0.000	0.001	0.080	0.000	0.000	0.000
Steele City	MT	Valley	82.492	82.710	0.218	MT105	Havre silty clay loam	0.000	0.000	0.218	0.218	0.000	0.218	0.000	0.000	0.000
Steele City	MT	Valley	82.710	82.729	0.019	MT105	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	MT	Valley	82.729	84.851	2.122	MT105	Harlem clay	0.000	0.000	2.122	0.000	0.000	2.122	0.000	0.000	0.000
Steele City	MT	Valley	84.851	85.041	0.190	MT105	Hillon-Telstad loams, 9 to 15 percent slopes	0.000	0.190	0.087	0.000	0.000	0.183	0.008	0.000	0.008
Steele City	MT	Valley	85.041	85.289	0.248	MT105	Evanston-Lonna loams, 2 to 9 percent slopes	0.000	0.235	0.124	0.000	0.000	0.248	0.000	0.000	0.000
Steele City	MT	Valley	85.289	85.598	0.309	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.009	0.300	0.000	0.003	0.309	0.000	0.000	0.000
Steele City	MT	Valley	85.598	85.990	0.392	MT105	Evanston-Lonna loams, 2 to 9 percent slopes	0.000	0.372	0.196	0.000	0.000	0.392	0.000	0.000	0.000
Steele City	MT	Valley	85.990	86.155	0.164	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.005	0.159	0.000	0.002	0.164	0.000	0.000	0.000
Steele City	MT	Valley	86.155	86.986	0.831	MT105	Evanston-Lonna loams, 2 to 9 percent slopes	0.000	0.790	0.416	0.000	0.000	0.831	0.000	0.000	0.000
Steele City	MT	Valley	86.986	87.018	0.032	MT105	Hillon loam, 15 to 35 percent slopes	0.000	0.032	0.004	0.000	0.000	0.031	0.003	0.000	0.001
Steele City	MT	Valley	87.018	87.568	0.549	MT105	Havre-Harlem silty clays	0.000	0.000	0.495	0.000	0.000	0.495	0.000	0.000	0.000
Steele City	MT	Valley	87.568	87.956	0.388	MT105	Havre silty clay loam	0.000	0.000	0.388	0.388	0.000	0.388	0.000	0.000	0.000
Steele City	MT	Valley	87.956	88.123	0.167	MT105	Havre-Harlem silty clays	0.000	0.000	0.150	0.000	0.000	0.150	0.000	0.000	0.000
Steele City	MT	Valley	88.123	88.142	0.020	MT105	Havre silty clay loam	0.000	0.000	0.020	0.020	0.000	0.020	0.000	0.000	0.000
Steele City	MT	Valley	88.142	88.265	0.122	MT105	Havre-Harlem silty clays	0.000	0.000	0.110	0.000	0.000	0.110	0.000	0.000	0.000
Steele City	MT	Valley	88.265	88.453	0.188	MT105	Havre silty clay loam	0.000	0.000	0.188	0.188	0.000	0.188	0.000	0.000	0.000
Steele City	MT	Valley	88.453	88.876	0.423	MT105	Havre-Harlem silty clays	0.000	0.000	0.381	0.000	0.000	0.381	0.000	0.000	0.000
Steele City	MT	Valley	88.876	88.998	0.122	MT105	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	MT	McCone	88.998	89.092	0.094	MT055	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	MT	McCone	89.092	89.236	0.144	MT055	Havre silty clay loam	0.000	0.000	0.144	0.144	0.000	0.144	0.000	0.000	0.000
Steele City	MT	McCone	89.236	89.403	0.167	MT055	Glendive silty clay loam, protected	0.000	0.000	0.167	0.000	0.000	0.167	0.000	0.000	0.000
Steele City	MT	McCone	89.403	89.626	0.222	MT055	Havre silty clay loam, protected	0.000	0.000	0.022	0.222	0.000	0.222	0.000	0.000	0.000
Steele City	MT	McCone	89.626	89.725	0.099	MT055	Glendive silty clay loam, protected	0.000	0.000	0.099	0.000	0.000	0.099	0.000	0.000	0.000
Steele City	MT	McCone	89.725	89.858	0.133	MT055	Havre silty clay loam, protected	0.000	0.000	0.013	0.133	0.000	0.133	0.000	0.000	0.000
Steele City	MT	McCone	89.858	90.046	0.187	MT055	Harlem silty clay, protected	0.000	0.000	0.015	0.187	0.004	0.187	0.000	0.000	0.000
Steele City	MT	McCone	90.046	90.114	0.068	MT055	Neldore-Badland-Bascovy complex, 15 to 45 percent slopes	0.000	0.046	0.048	0.000	0.000	0.048	0.031	0.000	0.000
Steele City	MT	McCone	90.114	90.451	0.337	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.067	0.145	0.246	0.000	0.000	0.145	0.000	0.000	0.067
Steele City	MT	McCone	90.451	90.830	0.380	MT055	Neldore-Yamac-Badland complex, 15 to 45 percent slopes	0.023	0.285	0.273	0.000	0.000	0.273	0.140	0.000	0.011
Steele City	MT	McCone	90.830	90.883	0.052	MT055	Yamac loam, 8 to 15 percent slopes	0.002	0.047	0.051	0.000	0.000	0.049	0.000	0.000	0.002
Steele City	MT	McCone	90.883	90.976	0.093	MT055	Neldore-Yamac-Badland complex, 15 to 45 percent slopes	0.006	0.070	0.067	0.000	0.000	0.067	0.034	0.000	0.003
Steele City	MT	McCone	90.976	91.464	0.488	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.098	0.210	0.356	0.000	0.000	0.210	0.000	0.000	0.098
Steele City	MT	McCone	91.464	91.642	0.178	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.143	0.169	0.027	0.000	0.000	0.027	0.012	0.000	0.071
Steele City	MT	McCone	91.642	91.786	0.144	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.029	0.062	0.105	0.000	0.000	0.062	0.000	0.000	0.029
Steele City	MT	McCone	91.786	92.077	0.291	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.233	0.276	0.044	0.000	0.000	0.044	0.020	0.000	0.116
Steele City	MT	McCone	92.077	92.255	0.178	MT055	Twilight-Yetull fine sandy loams, 8 to 15 percent slopes	0.005	0.023	0.173	0.000	0.000	0.030	0.000	0.000	0.068
Steele City	MT	McCone	92.255	92.262	0.007	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.005	0.006	0.001	0.000	0.000	0.001	0.000	0.000	0.003

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	McCone	92.262	92.464	0.202	MT055	Twilight-Yetull fine sandy loams, 8 to 15 percent slopes	0.006	0.026	0.196	0.000	0.000	0.034	0.000	0.000	0.077
Steele City	MT	McCone	92.464	92.735	0.271	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.217	0.258	0.041	0.000	0.000	0.041	0.019	0.000	0.109
Steele City	MT	McCone	92.735	92.920	0.185	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.037	0.080	0.135	0.000	0.000	0.080	0.000	0.000	0.037
Steele City	MT	McCone	92.920	93.537	0.616	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.308	0.579	0.222	0.000	0.000	0.216	0.012	0.000	0.173
Steele City	MT	McCone	93.537	93.572	0.035	MT055	Aeric Fluvaquents, loamy	0.000	0.000	0.003	0.000	0.002	0.003	0.000	0.000	0.000
Steele City	MT	McCone	93.572	93.607	0.035	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.000	0.034	0.034	0.000	0.000	0.034	0.030	0.000	0.000
Steele City	MT	McCone	93.607	93.674	0.067	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.034	0.063	0.024	0.000	0.000	0.023	0.001	0.000	0.019
Steele City	MT	McCone	93.674	93.718	0.044	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.000	0.042	0.042	0.000	0.000	0.042	0.037	0.000	0.000
Steele City	MT	McCone	93.718	93.796	0.078	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.008	0.078	0.071	0.000	0.000	0.071	0.067	0.000	0.004
Steele City	MT	McCone	93.796	94.001	0.204	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.164	0.194	0.031	0.000	0.000	0.031	0.014	0.000	0.082
Steele City	MT	McCone	94.001	94.120	0.119	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.059	0.111	0.044	0.000	0.000	0.080	0.000	0.000	0.030
Steele City	MT	McCone	94.120	94.220	0.100	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.000	0.096	0.097	0.000	0.000	0.097	0.085	0.000	0.000
Steele City	MT	McCone	94.220	94.236	0.016	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.008	0.015	0.006	0.000	0.000	0.011	0.000	0.000	0.004
Steele City	MT	McCone	94.236	94.254	0.018	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.002	0.018	0.016	0.000	0.000	0.016	0.015	0.000	0.001
Steele City	MT	McCone	94.254	94.486	0.232	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.116	0.216	0.086	0.000	0.000	0.155	0.000	0.000	0.058
Steele City	MT	McCone	94.486	94.684	0.197	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.020	0.197	0.179	0.000	0.000	0.179	0.168	0.000	0.010
Steele City	MT	McCone	94.684	94.772	0.089	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.044	0.083	0.033	0.000	0.000	0.059	0.000	0.000	0.022
Steele City	MT	McCone	94.772	94.878	0.106	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.011	0.106	0.096	0.000	0.000	0.096	0.090	0.000	0.005
Steele City	MT	McCone	94.878	95.050	0.172	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.086	0.160	0.063	0.000	0.000	0.115	0.000	0.000	0.043
Steele City	MT	McCone	95.050	95.366	0.316	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.032	0.316	0.288	0.000	0.000	0.288	0.269	0.000	0.016
Steele City	MT	McCone	95.366	95.613	0.246	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.123	0.232	0.089	0.000	0.000	0.086	0.005	0.000	0.069
Steele City	MT	McCone	95.613	95.662	0.050	MT055	Hillon loam, 8 to 15 percent slopes	0.000	0.048	0.006	0.000	0.000	0.050	0.002	0.000	0.000
Steele City	MT	McCone	95.662	95.793	0.131	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.066	0.123	0.047	0.000	0.000	0.046	0.003	0.000	0.037
Steele City	MT	McCone	95.793	95.931	0.137	MT055	Hillon loam, 8 to 15 percent slopes	0.000	0.133	0.018	0.000	0.000	0.137	0.005	0.000	0.000
Steele City	MT	McCone	95.931	96.048	0.117	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.094	0.111	0.018	0.000	0.000	0.018	0.008	0.000	0.047
Steele City	MT	McCone	96.048	96.419	0.371	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.185	0.349	0.133	0.000	0.000	0.130	0.007	0.000	0.104
Steele City	MT	McCone	96.419	96.554	0.136	MT055	Busby fine sandy loam, 8 to 15 percent slopes	0.007	0.123	0.009	0.136	0.000	0.008	0.000	0.000	0.012
Steele City	MT	McCone	96.554	96.611	0.057	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.046	0.054	0.009	0.000	0.000	0.009	0.004	0.000	0.023
Steele City	MT	McCone	96.611	96.761	0.150	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.015	0.150	0.137	0.000	0.000	0.137	0.128	0.000	0.008
Steele City	MT	McCone	96.761	96.887	0.125	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.063	0.118	0.045	0.000	0.000	0.044	0.003	0.000	0.035
Steele City	MT	McCone	96.887	96.986	0.099	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.010	0.099	0.090	0.000	0.000	0.090	0.084	0.000	0.005
Steele City	MT	McCone	96.986	97.020	0.035	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.017	0.032	0.013	0.000	0.000	0.023	0.000	0.000	0.009
Steele City	MT	McCone	97.020	97.297	0.277	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.028	0.277	0.252	0.000	0.000	0.252	0.235	0.000	0.014
Steele City	MT	McCone	97.297	97.546	0.249	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.124	0.231	0.092	0.000	0.000	0.167	0.000	0.000	0.062
Steele City	MT	McCone	97.546	97.672	0.127	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.000	0.121	0.123	0.000	0.000	0.123	0.108	0.000	0.000
Steele City	MT	McCone	97.672	97.860	0.187	MT055	Kremlin loam, 0 to 4 percent slopes	0.000	0.000	0.007	0.187	0.000	0.178	0.000	0.000	0.009
Steele City	MT	McCone	97.860	97.970	0.110	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.055	0.103	0.041	0.000	0.000	0.074	0.000	0.000	0.028
Steele City	MT	McCone	97.970	98.032	0.062	MT055	Sunburst clay loam, 2 to 8 percent slopes	0.000	0.000	0.060	0.000	0.000	0.060	0.053	0.000	0.000
Steele City	MT	McCone	98.032	98.107	0.075	MT055	Yamac-Twilight complex, 2 to 8 percent slopes	0.004	0.004	0.067	0.000	0.000	0.045	0.000	0.000	0.004
Steele City	MT	McCone	98.107	98.239	0.131	MT055	Yamacall loam, 4 to 8 percent slopes	0.000	0.000	0.020	0.000	0.000	0.125	0.000	0.000	0.004
Steele City	MT	McCone	98.239	98.295	0.056	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.045	0.053	0.008	0.000	0.000	0.008	0.004	0.000	0.022
Steele City	MT	McCone	98.295	98.480	0.185	MT055	Yamacall loam, 4 to 8 percent slopes	0.000	0.000	0.028	0.000	0.000	0.176	0.000	0.000	0.006
Steele City	MT	McCone	98.480	98.680	0.199	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.160	0.189	0.030	0.000	0.000	0.030	0.014	0.000	0.080
Steele City	MT	McCone	98.680	98.875	0.195	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.098	0.184	0.070	0.000	0.000	0.068	0.004	0.000	0.055
Steele City	MT	McCone	98.875	99.021	0.146	MT055	Yamac loam, 8 to 15 percent slopes	0.004	0.130	0.142	0.000	0.000	0.136	0.000	0.000	0.004
Steele City	MT	McCone	99.021	99.195	0.174	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.139	0.165	0.026	0.000	0.000	0.026	0.012	0.000	0.070
Steele City	MT	McCone	99.195	99.323	0.128	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.026	0.055	0.093	0.000	0.000	0.055	0.000	0.000	0.026
Steele City	MT	McCone	99.323	99.327	0.004	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.000	0.004	0.004	0.000	0.000	0.004	0.003	0.000	0.000
Steele City	MT	McCone	99.327	99.383	0.056	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.011	0.024	0.041	0.000	0.000	0.024	0.000	0.000	0.011
Steele City	MT	McCone	99.383	99.468	0.084	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.067	0.080	0.013	0.000	0.000	0.013	0.006	0.000	0.034
Steele City	MT	McCone	99.468	99.503	0.035	MT055	Yamacall loam, 4 to 8 percent slopes	0.000	0.000	0.005	0.000	0.000	0.033	0.000	0.000	0.001
Steele City	MT	McCone	99.503	99.636	0.133	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.106	0.126	0.020	0.000	0.000	0.020	0.009	0.000	0.053
Steele City	MT	McCone	99.636	99.690	0.054	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.011	0.023	0.040	0.000	0.000	0.023	0.000	0.000	0.011
Steele City	MT	McCone	99.690	99.747	0.057	MT055	Rominell loam, 0 to 8 percent slopes	0.000	0.000	0.055	0.000	0.000	0.056	0.000	0.000	0.001
Steele City	MT	McCone	99.747	99.965	0.218	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.044	0.094	0.159	0.000	0.000	0.094	0.000	0.000	0.044
Steele City	MT	McCone	99.965	100.149	0.184	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.000	0.177	0.179	0.000	0.000	0.179	0.156	0.000	0.000
Steele City	MT	McCone	100.149	100.219	0.070	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.014	0.032	0.027	0.000	0.000	0.006	0.000	0.000	0.014

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	McCone	100.219	100.265	0.046	MT055	Kremlin loam, 0 to 4 percent slopes	0.000	0.000	0.002	0.046	0.000	0.044	0.000	0.000	0.002
Steele City	MT	McCone	100.265	100.308	0.042	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.000	0.040	0.041	0.000	0.000	0.041	0.036	0.000	0.000
Steele City	MT	McCone	100.308	100.334	0.026	MT055	Kremlin loam, 0 to 4 percent slopes	0.000	0.000	0.001	0.026	0.000	0.025	0.000	0.000	0.001
Steele City	MT	McCone	100.334	100.569	0.235	MT055	Telstad-Hillon loams, 2 to 8 percent slopes	0.000	0.000	0.136	0.000	0.000	0.235	0.000	0.000	0.000
Steele City	MT	McCone	100.569	100.641	0.072	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.036	0.068	0.026	0.000	0.000	0.025	0.001	0.000	0.020
Steele City	MT	McCone	100.641	100.760	0.119	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.060	0.111	0.044	0.000	0.000	0.080	0.000	0.000	0.030
Steele City	MT	McCone	100.760	100.863	0.103	MT055	Telstad loam, 2 to 8 percent slopes	0.000	0.000	0.007	0.000	0.000	0.103	0.000	0.000	0.000
Steele City	MT	McCone	100.863	101.071	0.209	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.104	0.194	0.077	0.000	0.000	0.140	0.000	0.000	0.052
Steele City	MT	McCone	101.071	101.252	0.181	MT055	Gerdrum-Yawdim-Fleak complex, 8 to 45 percent slopes	0.090	0.163	0.083	0.000	0.000	0.128	0.013	0.000	0.045
Steele City	MT	McCone	101.252	101.293	0.041	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.021	0.039	0.015	0.000	0.000	0.014	0.001	0.000	0.012
Steele City	MT	McCone	101.293	101.294	0.001	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.000
Steele City	MT	McCone	101.294	101.476	0.182	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.091	0.169	0.067	0.000	0.000	0.122	0.000	0.000	0.045
Steele City	MT	McCone	101.476	101.591	0.115	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.000	0.111	0.112	0.000	0.000	0.112	0.098	0.000	0.000
Steele City	MT	McCone	101.591	101.637	0.046	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.045	0.000	0.000	0.046	0.001	0.000	0.000
Steele City	MT	McCone	101.637	101.699	0.062	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.031	0.058	0.023	0.000	0.000	0.042	0.000	0.000	0.016
Steele City	MT	McCone	101.699	101.770	0.071	MT055	Evanston loam, 2 to 8 percent slopes	0.000	0.000	0.006	0.071	0.000	0.071	0.002	0.000	0.002
Steele City	MT	McCone	101.770	101.948	0.178	MT055	Creed-Gerdrum complex, 0 to 8 percent slopes	0.005	0.000	0.173	0.000	0.000	0.173	0.000	0.000	0.005
Steele City	MT	McCone	101.948	102.181	0.233	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.230	0.000	0.000	0.233	0.007	0.000	0.000
Steele City	MT	McCone	102.181	102.252	0.071	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.036	0.067	0.026	0.000	0.000	0.025	0.001	0.000	0.020
Steele City	MT	McCone	102.252	102.363	0.111	MT055	Rominell loam, 0 to 8 percent slopes	0.000	0.000	0.107	0.000	0.000	0.109	0.000	0.000	0.002
Steele City	MT	McCone	102.363	102.410	0.046	MT055	Chinook fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.005	0.046	0.000	0.005	0.000	0.000	0.042
Steele City	MT	McCone	102.410	102.460	0.051	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.001	0.000	0.050	0.000	0.002	0.037	0.000	0.000	0.001
Steele City	MT	McCone	102.460	102.490	0.029	MT055	Busby-Yetull fine sandy loams, 2 to 8 percent slopes	0.000	0.001	0.014	0.000	0.000	0.001	0.000	0.000	0.013
Steele City	MT	McCone	102.490	102.527	0.037	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.001	0.000	0.037	0.000	0.001	0.027	0.000	0.000	0.001
Steele City	MT	McCone	102.527	102.686	0.159	MT055	Busby-Yetull fine sandy loams, 2 to 8 percent slopes	0.000	0.005	0.075	0.000	0.000	0.005	0.000	0.000	0.068
Steele City	MT	McCone	102.686	102.817	0.131	MT055	Busby fine sandy loam, 2 to 8 percent slopes	0.004	0.000	0.020	0.131	0.000	0.012	0.000	0.000	0.004
Steele City	MT	McCone	102.817	102.865	0.048	MT055	Busby-Yetull fine sandy loams, 2 to 8 percent slopes	0.000	0.001	0.023	0.000	0.000	0.001	0.000	0.000	0.021
Steele City	MT	McCone	102.865	102.913	0.047	MT055	Rominell loam, gullied, 0 to 8 percent slopes	0.000	0.000	0.044	0.000	0.000	0.046	0.000	0.000	0.001
Steele City	MT	McCone	102.913	103.105	0.193	MT055	Busby-Yetull fine sandy loams, 2 to 8 percent slopes	0.000	0.006	0.091	0.000	0.000	0.006	0.000	0.000	0.083
Steele City	MT	McCone	103.105	103.150	0.044	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.002	0.000	0.041	0.000	0.000	0.043	0.000	0.000	0.002
Steele City	MT	McCone	103.150	103.335	0.185	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.183	0.000	0.000	0.185	0.006	0.000	0.000
Steele City	MT	McCone	103.335	103.371	0.037	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.001	0.000	0.034	0.000	0.000	0.035	0.000	0.000	0.001
Steele City	MT	McCone	103.371	103.443	0.072	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.071	0.000	0.000	0.072	0.002	0.000	0.000
Steele City	MT	McCone	103.443	103.835	0.392	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.016	0.000	0.361	0.000	0.000	0.377	0.000	0.000	0.016
Steele City	MT	McCone	103.835	103.892	0.057	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.056	0.000	0.000	0.057	0.002	0.000	0.000
Steele City	MT	McCone	103.892	104.070	0.178	MT055	Hillon loam, 15 to 45 percent slopes	0.000	0.165	0.014	0.000	0.000	0.173	0.000	0.000	0.000
Steele City	MT	McCone	104.070	104.218	0.149	MT055	Telstad-Hillon loams, 2 to 8 percent slopes	0.000	0.000	0.086	0.000	0.000	0.149	0.000	0.000	0.000
Steele City	MT	McCone	104.218	104.249	0.030	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.030	0.000	0.000	0.030	0.001	0.000	0.000
Steele City	MT	McCone	104.249	104.296	0.048	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.002	0.000	0.044	0.000	0.000	0.046	0.000	0.000	0.002
Steele City	MT	McCone	104.296	104.438	0.141	MT055	Telstad loam, 2 to 8 percent slopes	0.000	0.000	0.010	0.000	0.000	0.141	0.000	0.000	0.000
Steele City	MT	McCone	104.438	104.542	0.104	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.103	0.000	0.000	0.104	0.003	0.000	0.000
Steele City	MT	McCone	104.542	104.594	0.052	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.010	0.024	0.020	0.000	0.000	0.004	0.000	0.000	0.010
Steele City	MT	McCone	104.594	104.708	0.114	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.113	0.000	0.000	0.114	0.003	0.000	0.000
Steele City	MT	McCone	104.708	104.832	0.124	MT055	Ethridge silty clay loam, 4 to 8 percent slopes	0.000	0.000	0.009	0.124	0.000	0.124	0.000	0.000	0.000
Steele City	MT	McCone	104.832	105.261	0.430	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.426	0.000	0.000	0.430	0.013	0.000	0.000
Steele City	MT	McCone	105.261	105.365	0.104	MT055	Ustic torriorthents-Ustic torrifluvents association	0.000	0.006	0.012	0.000	0.002	0.016	0.000	0.000	0.000
Steele City	MT	McCone	105.365	105.379	0.014	MT055	Ethridge silty clay loam, 4 to 8 percent slopes	0.000	0.000	0.001	0.014	0.000	0.014	0.000	0.000	0.000
Steele City	MT	McCone	105.379	105.508	0.129	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.127	0.000	0.000	0.129	0.004	0.000	0.000
Steele City	MT	McCone	105.508	105.518	0.010	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.000	0.000	0.009	0.000	0.000	0.010	0.000	0.000	0.000
Steele City	MT	McCone	105.518	105.571	0.053	MT055	Ethridge silty clay loam, 4 to 8 percent slopes	0.000	0.000	0.004	0.053	0.000	0.053	0.000	0.000	0.000
Steele City	MT	McCone	105.571	105.697	0.126	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.125	0.000	0.000	0.126	0.004	0.000	0.000
Steele City	MT	McCone	105.697	105.749	0.052	MT055	Ethridge silty clay loam, 4 to 8 percent slopes	0.000	0.000	0.004	0.052	0.000	0.052	0.000	0.000	0.000
Steele City	MT	McCone	105.749	105.883	0.134	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.000	0.129	0.087	0.000	0.000	0.129	0.000	0.000	0.000
Steele City	MT	McCone	105.883	106.102	0.219	MT055	Ethridge silty clay loam, 4 to 8 percent slopes	0.000	0.000	0.015	0.219	0.000	0.219	0.000	0.000	0.000
Steele City	MT	McCone	106.102	106.248	0.146	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.000	0.140	0.095	0.000	0.000	0.140	0.000	0.000	0.000
Steele City	MT	McCone	106.248	106.486	0.238	MT055	Yawdim-Badland-Gerdrum association	0.019	0.157	0.076	0.000	0.000	0.148	0.000	0.000	0.010
Steele City	MT	McCone	106.486	106.607	0.121	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.024	0.056	0.046	0.000	0.000	0.010	0.000	0.000	0.024

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	McCone	106.607	106.687	0.080	MT055	Ustic torriorthents-Ustic torrifluvents association	0.000	0.005	0.010	0.000	0.002	0.012	0.000	0.000	0.000
Steele City	MT	McCone	106.687	106.841	0.154	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.077	0.145	0.055	0.000	0.000	0.054	0.003	0.000	0.043
Steele City	MT	McCone	106.841	106.889	0.049	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.048	0.000	0.000	0.049	0.001	0.000	0.000
Steele City	MT	McCone	106.889	106.977	0.088	MT055	Creed loam, 0 to 8 percent slopes	0.000	0.000	0.082	0.000	0.000	0.086	0.000	0.000	0.002
Steele City	MT	McCone	106.977	107.062	0.084	MT055	Telstad-Hillon loams, 2 to 8 percent slopes	0.000	0.000	0.049	0.000	0.000	0.084	0.000	0.000	0.000
Steele City	MT	McCone	107.062	107.441	0.379	MT055	Creed loam, 0 to 8 percent slopes	0.000	0.000	0.353	0.000	0.000	0.372	0.000	0.000	0.008
Steele City	MT	McCone	107.441	107.509	0.068	MT055	Ustic torriorthents-Ustic torrifluvents association	0.000	0.004	0.008	0.000	0.001	0.010	0.000	0.000	0.000
Steele City	MT	McCone	107.509	107.705	0.196	MT055	Creed loam, 0 to 8 percent slopes	0.000	0.000	0.182	0.000	0.000	0.192	0.000	0.000	0.004
Steele City	MT	McCone	107.705	108.220	0.515	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.510	0.000	0.000	0.515	0.015	0.000	0.000
Steele City	MT	McCone	108.220	108.606	0.386	MT055	Havre silt loam	0.000	0.000	0.039	0.386	0.008	0.386	0.000	0.000	0.000
Steele City	MT	McCone	108.606	108.665	0.058	MT055	Yawdim-Badland-Gerdrum association	0.005	0.039	0.019	0.000	0.000	0.036	0.000	0.000	0.002
Steele City	MT	McCone	108.665	108.730	0.065	MT055	Benz clay loam, 0 to 8 percent slopes	0.001	0.000	0.064	0.000	0.000	0.064	0.000	0.000	0.001
Steele City	MT	McCone	108.730	108.781	0.050	MT055	Chinook fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.005	0.050	0.000	0.005	0.000	0.000	0.045
Steele City	MT	McCone	108.781	108.806	0.026	MT055	Badland	0.000	0.003	0.004	0.000	0.000	0.004	0.001	0.000	0.000
Steele City	MT	McCone	108.806	108.906	0.099	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.040	0.000	0.000	0.099	0.000	0.000	0.000
Steele City	MT	McCone	108.906	108.967	0.061	MT055	Rominell loam, gullied, 0 to 8 percent slopes	0.000	0.000	0.057	0.000	0.000	0.059	0.000	0.000	0.002
Steele City	MT	McCone	108.967	109.075	0.109	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.044	0.000	0.000	0.109	0.000	0.000	0.000
Steele City	MT	McCone	109.075	109.156	0.081	MT055	Kremlin loam, 0 to 4 percent slopes	0.000	0.000	0.003	0.081	0.000	0.077	0.000	0.000	0.004
Steele City	MT	McCone	109.156	109.231	0.074	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.030	0.000	0.000	0.074	0.000	0.000	0.000
Steele City	MT	McCone	109.231	109.354	0.123	MT055	Busby-Twilight fine sandy loams, 2 to 8 percent slopes	0.005	0.004	0.044	0.000	0.000	0.007	0.000	0.000	0.011
Steele City	MT	McCone	109.354	109.458	0.104	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.021	0.048	0.039	0.000	0.000	0.008	0.000	0.000	0.021
Steele City	MT	McCone	109.458	109.550	0.092	MT055	Busby-Twilight fine sandy loams, 2 to 8 percent slopes	0.004	0.003	0.033	0.000	0.000	0.006	0.000	0.000	0.008
Steele City	MT	McCone	109.550	109.620	0.070	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.028	0.000	0.000	0.070	0.000	0.000	0.000
Steele City	MT	McCone	109.620	109.785	0.165	MT055	Busby-Twilight fine sandy loams, 2 to 8 percent slopes	0.007	0.005	0.060	0.000	0.000	0.010	0.000	0.000	0.015
Steele City	MT	McCone	109.785	109.826	0.041	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.016	0.000	0.000	0.041	0.000	0.000	0.000
Steele City	MT	McCone	109.826	109.918	0.092	MT055	Busby-Twilight fine sandy loams, 2 to 8 percent slopes	0.004	0.003	0.033	0.000	0.000	0.006	0.000	0.000	0.008
Steele City	MT	McCone	109.918	109.985	0.067	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.027	0.000	0.000	0.067	0.000	0.000	0.000
Steele City	MT	McCone	109.985	110.047	0.062	MT055	Busby-Twilight fine sandy loams, 2 to 8 percent slopes	0.002	0.002	0.022	0.000	0.000	0.004	0.000	0.000	0.006
Steele City	MT	McCone	110.047	110.372	0.325	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.065	0.150	0.124	0.000	0.000	0.026	0.000	0.000	0.065
Steele City	MT	McCone	110.372	110.506	0.135	MT055	Glendive loam	0.005	0.000	0.129	0.000	0.003	0.129	0.000	0.000	0.005
Steele City	MT	McCone	110.506	110.617	0.110	MT055	Lonna silty clay loam, 0 to 4 percent slopes	0.000	0.000	0.110	0.000	0.000	0.110	0.000	0.000	0.000
Steele City	MT	McCone	110.617	110.658	0.042	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.008	0.019	0.016	0.000	0.000	0.003	0.000	0.000	0.008
Steele City	MT	McCone	110.658	110.710	0.051	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.026	0.048	0.018	0.000	0.000	0.018	0.001	0.000	0.014
Steele City	MT	McCone	110.710	110.752	0.043	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.009	0.020	0.016	0.000	0.000	0.003	0.000	0.000	0.009
Steele City	MT	McCone	110.752	110.803	0.051	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.025	0.048	0.018	0.000	0.000	0.018	0.001	0.000	0.014
Steele City	MT	McCone	110.803	110.842	0.038	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.008	0.018	0.015	0.000	0.000	0.003	0.000	0.000	0.008
Steele City	MT	McCone	110.842	110.974	0.132	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.066	0.124	0.048	0.000	0.000	0.046	0.003	0.000	0.037
Steele City	MT	McCone	110.974	111.049	0.075	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.015	0.034	0.028	0.000	0.000	0.006	0.000	0.000	0.015
Steele City	MT	McCone	111.049	111.156	0.108	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.043	0.000	0.000	0.108	0.000	0.000	0.000
Steele City	MT	McCone	111.156	111.220	0.064	MT055	Kremlin loam, 0 to 4 percent slopes	0.000	0.000	0.003	0.064	0.000	0.061	0.000	0.000	0.003
Steele City	MT	McCone	111.220	111.330	0.110	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.044	0.000	0.000	0.110	0.000	0.000	0.000
Steele City	MT	McCone	111.330	111.366	0.036	MT055	Typic Ustifluvents, saline	0.000	0.000	0.003	0.000	0.001	0.004	0.000	0.000	0.000
Steele City	MT	McCone	111.366	111.376	0.010	MT055	Ustic torriorthents-Ustic torrifluvents association	0.000	0.001	0.001	0.000	0.000	0.001	0.000	0.000	0.000
Steele City	MT	McCone	111.376	111.415	0.039	MT055	Yamac loam, 0 to 4 percent slopes	0.000	0.000	0.038	0.039	0.000	0.037	0.000	0.000	0.001
Steele City	MT	McCone	111.415	111.524	0.109	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.004	0.000	0.100	0.000	0.000	0.104	0.000	0.000	0.004
Steele City	MT	McCone	111.524	111.567	0.044	MT055	Rominell loam, 0 to 8 percent slopes	0.000	0.000	0.042	0.000	0.000	0.043	0.000	0.000	0.001
Steele City	MT	McCone	111.567	111.630	0.063	MT055	Rominell loam, gullied, 0 to 8 percent slopes	0.000	0.000	0.058	0.000	0.000	0.061	0.000	0.000	0.002
Steele City	MT	McCone	111.630	111.693	0.063	MT055	Chinook fine sandy loam, 8 to 15 percent slopes	0.003	0.004	0.004	0.000	0.000	0.004	0.000	0.000	0.056
Steele City	MT	McCone	111.693	111.801	0.108	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.043	0.000	0.000	0.108	0.000	0.000	0.000
Steele City	MT	McCone	111.801	111.887	0.086	MT055	Rominell loam, gullied, 0 to 8 percent slopes	0.000	0.000	0.080	0.000	0.000	0.083	0.000	0.000	0.003
Steele City	MT	McCone	111.887	111.968	0.081	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.032	0.000	0.000	0.081	0.000	0.000	0.000
Steele City	MT	McCone	111.968	112.178	0.210	MT055	Rominell loam, gullied, 0 to 8 percent slopes	0.000	0.000	0.195	0.000	0.000	0.204	0.000	0.000	0.006
Steele City	MT	McCone	112.178	112.339	0.161	MT055	Badland	0.000	0.021	0.024	0.000	0.000	0.024	0.003	0.000	0.000
Steele City	MT	McCone	112.339	112.465	0.126	MT055	Rominell loam, gullied, 0 to 8 percent slopes	0.000	0.000	0.117	0.000	0.000	0.122	0.000	0.000	0.004
Steele City	MT	McCone	112.465	112.508	0.043	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.034	0.041	0.006	0.000	0.000	0.006	0.003	0.000	0.017
Steele City	MT	McCone	112.508	112.675	0.167	MT055	Yawdim-Badland-Cabbart association	0.017	0.117	0.058	0.000	0.000	0.109	0.008	0.000	0.008
Steele City	MT	McCone	112.675	112.712	0.038	MT055	Yamac loam, 8 to 15 percent slopes	0.001	0.034	0.037	0.000	0.000	0.035	0.000	0.000	0.001

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	McCone	112.712	112.817	0.104	MT055	Creed loam, 0 to 8 percent slopes	0.000	0.000	0.097	0.000	0.000	0.102	0.000	0.000	0.002
Steele City	MT	McCone	112.817	112.887	0.070	MT055	Yamac loam, 8 to 15 percent slopes	0.002	0.062	0.068	0.000	0.000	0.065	0.000	0.000	0.002
Steele City	MT	McCone	112.887	113.029	0.142	MT055	Creed loam, 0 to 8 percent slopes	0.000	0.000	0.132	0.000	0.000	0.139	0.000	0.000	0.003
Steele City	MT	McCone	113.029	113.084	0.055	MT055	Rominell-Yamac loams, 4 to 15 percent slopes	0.001	0.024	0.049	0.000	0.000	0.051	0.000	0.000	0.004
Steele City	MT	McCone	113.084	113.199	0.114	MT055	Rominell loam, 0 to 8 percent slopes	0.000	0.000	0.110	0.000	0.000	0.112	0.000	0.000	0.002
Steele City	MT	McCone	113.199	113.290	0.092	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.037	0.000	0.000	0.092	0.000	0.000	0.000
Steele City	MT	McCone	113.290	113.427	0.137	MT055	Hillon loam, 15 to 45 percent slopes	0.000	0.128	0.011	0.000	0.000	0.133	0.000	0.000	0.000
Steele City	MT	McCone	113.427	113.678	0.251	MT055	Hillon loam, 2 to 8 percent slopes	0.000	0.000	0.038	0.000	0.000	0.251	0.010	0.000	0.000
Steele City	MT	McCone	113.678	113.717	0.039	MT055	Yamacall loam, 4 to 8 percent slopes	0.000	0.000	0.006	0.000	0.000	0.037	0.000	0.000	0.001
Steele City	MT	McCone	113.717	113.785	0.068	MT055	Ustic torriorthents-Ustic torrifluvents association	0.000	0.004	0.008	0.000	0.001	0.010	0.000	0.000	0.000
Steele City	MT	McCone	113.785	113.895	0.110	MT055	Twilight-Yetull fine sandy loams, 8 to 15 percent slopes	0.003	0.014	0.107	0.000	0.000	0.019	0.000	0.000	0.042
Steele City	MT	McCone	113.895	113.945	0.050	MT055	Cabbart-Yawdim complex, 15 to 45 percent slopes	0.008	0.047	0.026	0.000	0.000	0.043	0.000	0.000	0.004
Steele City	MT	McCone	113.945	114.002	0.057	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.002	0.000	0.052	0.000	0.000	0.054	0.000	0.000	0.002
Steele City	MT	McCone	114.002	114.043	0.042	MT055	Cabbart-Yawdim complex, 15 to 45 percent slopes	0.007	0.039	0.021	0.000	0.000	0.036	0.000	0.000	0.003
Steele City	MT	McCone	114.043	114.076	0.033	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	0.000	0.022	0.031	0.000	0.000	0.022	0.000	0.000	0.000
Steele City	MT	McCone	114.076	114.099	0.023	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.022	0.000	0.000	0.023	0.001	0.000	0.000
Steele City	MT	McCone	114.099	114.152	0.053	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.002	0.000	0.049	0.000	0.000	0.051	0.000	0.000	0.002
Steele City	MT	McCone	114.152	114.213	0.061	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.060	0.000	0.000	0.061	0.002	0.000	0.000
Steele City	MT	McCone	114.213	114.291	0.078	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.002	0.000	0.076	0.000	0.002	0.057	0.000	0.000	0.002
Steele City	MT	McCone	114.291	114.383	0.092	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.091	0.000	0.000	0.092	0.003	0.000	0.000
Steele City	MT	McCone	114.383	114.795	0.412	MT055	Chinook fine sandy loam, gullied, 2 to 8 percent slopes	0.016	0.000	0.045	0.000	0.000	0.025	0.000	0.000	0.367
Steele City	MT	McCone	114.795	114.883	0.088	MT055	Yamac loam, 0 to 4 percent slopes	0.000	0.000	0.085	0.088	0.000	0.083	0.000	0.000	0.003
Steele City	MT	McCone	114.883	115.002	0.119	MT055	Badland	0.000	0.016	0.018	0.000	0.000	0.018	0.002	0.000	0.000
Steele City	MT	McCone	115.002	115.103	0.101	MT055	Benz clay loam, 0 to 8 percent slopes	0.002	0.000	0.098	0.000	0.000	0.099	0.000	0.000	0.002
Steele City	MT	McCone	115.103	115.384	0.280	MT055	Rominell loam, 0 to 8 percent slopes	0.000	0.000	0.269	0.000	0.000	0.275	0.000	0.000	0.006
Steele City	MT	McCone	115.384	115.397	0.013	MT055	Absher clay loam, 8 to 15 percent slopes	0.000	0.013	0.012	0.000	0.000	0.013	0.000	0.000	0.000
Steele City	MT	McCone	115.397	115.446	0.049	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.049	0.000	0.000	0.049	0.001	0.000	0.000
Steele City	MT	McCone	115.446	115.550	0.104	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.002	0.000	0.102	0.000	0.003	0.076	0.000	0.000	0.002
Steele City	MT	McCone	115.550	115.583	0.033	MT055	Ustic torriorthents-Ustic torrifluvents association	0.000	0.002	0.004	0.000	0.001	0.005	0.000	0.000	0.000
Steele City	MT	McCone	115.583	115.629	0.046	MT055	Hillon loam, 2 to 8 percent slopes	0.000	0.000	0.007	0.000	0.000	0.046	0.002	0.000	0.000
Steele City	MT	McCone	115.629	115.710	0.081	MT055	Yawdim silty clay, 2 to 8 percent slopes	0.000	0.000	0.010	0.000	0.000	0.079	0.000	0.000	0.000
Steele City	MT	McCone	115.710	115.827	0.117	MT055	Kremlin loam, 0 to 4 percent slopes	0.000	0.000	0.005	0.117	0.000	0.111	0.000	0.000	0.006
Steele City	MT	McCone	115.827	116.099	0.272	MT055	Rominell loam, 0 to 8 percent slopes	0.000	0.000	0.261	0.000	0.000	0.267	0.000	0.000	0.005
Steele City	MT	McCone	116.099	116.257	0.158	MT055	Yawdim-Badland-Gerdrum association	0.013	0.104	0.051	0.000	0.000	0.098	0.000	0.000	0.006
Steele City	MT	McCone	116.257	116.491	0.233	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.117	0.219	0.084	0.000	0.000	0.082	0.005	0.000	0.065
Steele City	MT	McCone	116.491	116.539	0.049	MT055	Weingart clay, 2 to 8 percent slopes	0.000	0.000	0.045	0.000	0.000	0.049	0.001	0.000	0.000
Steele City	MT	McCone	116.539	116.591	0.052	MT055	Badland	0.000	0.007	0.008	0.000	0.000	0.008	0.001	0.000	0.000
Steele City	MT	McCone	116.591	116.624	0.033	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.000	0.032	0.021	0.000	0.000	0.032	0.000	0.000	0.000
Steele City	MT	McCone	116.624	116.743	0.119	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.118	0.000	0.000	0.119	0.004	0.000	0.000
Steele City	MT	McCone	116.743	116.809	0.066	MT055	Hillon loam, 2 to 8 percent slopes	0.000	0.000	0.010	0.000	0.000	0.066	0.003	0.000	0.000
Steele City	MT	McCone	116.809	117.024	0.215	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.030	0.204	0.167	0.000	0.000	0.103	0.000	0.000	0.015
Steele City	MT	McCone	117.024	117.131	0.107	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.021	0.046	0.078	0.000	0.000	0.046	0.000	0.000	0.021
Steele City	MT	McCone	117.131	117.193	0.062	MT055	Telstad-Hillon loams, 2 to 8 percent slopes	0.000	0.000	0.036	0.000	0.000	0.062	0.000	0.000	0.000
Steele City	MT	McCone	117.193	117.266	0.073	MT055	Hillon loam, 8 to 15 percent slopes	0.000	0.071	0.009	0.000	0.000	0.073	0.003	0.000	0.000
Steele City	MT	McCone	117.266	117.359	0.093	MT055	Thoeny loam, 2 to 8 percent slopes	0.000	0.000	0.085	0.000	0.000	0.093	0.000	0.000	0.000
Steele City	MT	McCone	117.359	117.400	0.042	MT055	Yawdim-Kirby complex, 8 to 35 percent slopes	0.003	0.042	0.005	0.000	0.000	0.025	0.015	0.000	0.002
Steele City	MT	McCone	117.400	117.599	0.199	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.008	0.000	0.183	0.000	0.000	0.191	0.000	0.000	0.008
Steele City	MT	McCone	117.599	117.636	0.037	MT055	Telstad loam, 2 to 8 percent slopes	0.000	0.000	0.003	0.000	0.000	0.037	0.000	0.000	0.000
Steele City	MT	McCone	117.636	117.741	0.105	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.000	0.101	0.068	0.000	0.000	0.101	0.000	0.000	0.000
Steele City	MT	McCone	117.741	117.783	0.042	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.002	0.000	0.039	0.000	0.000	0.041	0.000	0.000	0.002
Steele City	MT	McCone	117.783	117.852	0.068	MT055	Cambeth silt loam, 2 to 8 percent slopes	0.000	0.000	0.063	0.000	0.000	0.066	0.000	0.000	0.000
Steele City	MT	McCone	117.852	118.205	0.354	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.014	0.000	0.325	0.000	0.000	0.340	0.000	0.000	0.014
Steele City	MT	McCone	118.205	118.286	0.081	MT055	Gerdrum-Yawdim-Fleak complex, 8 to 45 percent slopes	0.040	0.073	0.037	0.000	0.000	0.057	0.006	0.000	0.020
Steele City	MT	McCone	118.286	118.396	0.110	MT055	Typic Fluvaquents, saline	0.000	0.001	0.006	0.000	0.000	0.009	0.000	0.000	0.002
Steele City	MT	McCone	118.396	118.525	0.129	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	0.000	0.087	0.123	0.000	0.000	0.087	0.000	0.000	0.000
Steele City	MT	McCone	118.525	118.554	0.029	MT055	Yawdim silty clay, 2 to 8 percent slopes	0.000	0.000	0.003	0.000	0.000	0.028	0.000	0.000	0.000
Steele City	MT	McCone	118.554	118.578	0.023	MT055	Typic Fluvaquents, saline	0.000	0.000	0.001	0.000	0.000	0.002	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	McCone	118.578	118.740	0.163	MT055	Yawdim silty clay, 2 to 8 percent slopes	0.000	0.000	0.020	0.000	0.000	0.158	0.000	0.000	0.000
Steele City	MT	McCone	118.740	119.086	0.345	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.014	0.000	0.318	0.000	0.000	0.331	0.000	0.000	0.014
Steele City	MT	McCone	119.086	119.158	0.073	MT055	Ustic torriorthents-Ustic torrifluvents association	0.000	0.004	0.009	0.000	0.001	0.011	0.000	0.000	0.000
Steele City	MT	McCone	119.158	119.213	0.055	MT055	Kremlin loam, 0 to 4 percent slopes	0.000	0.000	0.002	0.055	0.000	0.052	0.000	0.000	0.003
Steele City	MT	McCone	119.213	119.280	0.067	MT055	Havre silt loam	0.000	0.000	0.007	0.067	0.001	0.067	0.000	0.000	0.000
Steele City	MT	McCone	119.280	119.393	0.113	MT055	Weingart clay, 2 to 8 percent slopes	0.000	0.000	0.105	0.000	0.000	0.113	0.003	0.000	0.000
Steele City	MT	McCone	119.393	119.593	0.200	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.080	0.000	0.000	0.200	0.000	0.000	0.000
Steele City	MT	McCone	119.593	119.635	0.042	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.000	0.041	0.027	0.000	0.000	0.041	0.000	0.000	0.000
Steele City	MT	McCone	119.635	119.923	0.287	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	0.000	0.193	0.273	0.000	0.000	0.193	0.000	0.000	0.000
Steele City	MT	McCone	119.923	119.987	0.064	MT055	Cabbart-Badland complex, 15 to 45 percent slopes	0.000	0.041	0.027	0.000	0.000	0.033	0.005	0.000	0.000
Steele City	MT	McCone	119.987	120.074	0.087	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.012	0.083	0.068	0.000	0.000	0.042	0.000	0.000	0.006
Steele City	MT	McCone	120.074	120.145	0.071	MT055	Cabbart-Badland complex, 15 to 45 percent slopes	0.000	0.045	0.030	0.000	0.000	0.037	0.006	0.000	0.000
Steele City	MT	McCone	120.145	120.187	0.042	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.034	0.040	0.006	0.000	0.000	0.006	0.003	0.000	0.017
Steele City	MT	McCone	120.187	120.268	0.081	MT055	Cabbart-Badland complex, 15 to 45 percent slopes	0.000	0.052	0.035	0.000	0.000	0.042	0.006	0.000	0.000
Steele City	MT	McCone	120.268	120.323	0.055	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.008	0.053	0.043	0.000	0.000	0.027	0.000	0.000	0.004
Steele City	MT	McCone	120.323	120.448	0.125	MT055	Rominell-Yamac loams, 4 to 15 percent slopes	0.002	0.054	0.111	0.000	0.000	0.115	0.000	0.000	0.010
Steele City	MT	McCone	120.448	120.576	0.128	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.018	0.122	0.100	0.000	0.000	0.062	0.000	0.000	0.009
Steele City	MT	McCone	120.576	120.594	0.017	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.007	0.000	0.000	0.017	0.000	0.000	0.000
Steele City	MT	McCone	120.594	120.666	0.073	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.010	0.069	0.057	0.000	0.000	0.035	0.000	0.000	0.005
Steele City	MT	McCone	120.666	120.707	0.040	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	0.000	0.027	0.038	0.000	0.000	0.027	0.000	0.000	0.000
Steele City	MT	McCone	120.707	120.785	0.078	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.077	0.000	0.000	0.078	0.002	0.000	0.000
Steele City	MT	McCone	120.785	120.828	0.043	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.042	0.000	0.000	0.042	0.001	0.000	0.001
Steele City	MT	McCone	120.828	120.890	0.062	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.009	0.059	0.048	0.000	0.000	0.030	0.000	0.000	0.004
Steele City	MT	McCone	120.890	120.933	0.044	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.043	0.000	0.000	0.043	0.001	0.000	0.001
Steele City	MT	McCone	120.933	121.064	0.131	MT055	Creed-Gerdrum complex, 0 to 8 percent slopes	0.004	0.000	0.127	0.000	0.000	0.127	0.000	0.000	0.004
Steele City	MT	McCone	121.064	121.085	0.021	MT055	Yawdim silty clay, 2 to 8 percent slopes	0.000	0.000	0.002	0.000	0.000	0.020	0.000	0.000	0.000
Steele City	MT	McCone	121.085	121.213	0.128	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.026	0.059	0.049	0.000	0.000	0.010	0.000	0.000	0.026
Steele City	MT	McCone	121.213	121.319	0.106	MT055	Ethridge silty clay loam, 0 to 4 percent slopes	0.000	0.000	0.007	0.106	0.000	0.106	0.000	0.000	0.000
Steele City	MT	McCone	121.319	121.425	0.106	MT055	Floweree silt loam, 0 to 4 percent slopes	0.000	0.000	0.010	0.000	0.000	0.103	0.000	0.000	0.000
Steele City	MT	McCone	121.425	122.072	0.647	MT055	Ethridge silty clay loam, 0 to 4 percent slopes	0.000	0.000	0.045	0.647	0.000	0.647	0.000	0.000	0.000
Steele City	MT	McCone	122.072	122.249	0.176	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.175	0.000	0.000	0.176	0.005	0.000	0.000
Steele City	MT	McCone	122.249	122.358	0.109	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.002	0.000	0.107	0.000	0.003	0.080	0.000	0.000	0.002
Steele City	MT	McCone	122.358	122.442	0.084	MT055	Evanston loam, 0 to 2 percent slopes	0.000	0.000	0.005	0.084	0.000	0.084	0.001	0.000	0.001
Steele City	MT	McCone	122.442	122.455	0.013	MT055	Floweree silt loam, 0 to 4 percent slopes	0.000	0.000	0.001	0.000	0.000	0.013	0.000	0.000	0.000
Steele City	MT	McCone	122.455	122.553	0.098	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.097	0.000	0.000	0.098	0.003	0.000	0.000
Steele City	MT	McCone	122.553	122.656	0.103	MT055	Rominell-Yamac loams, 4 to 15 percent slopes	0.002	0.044	0.092	0.000	0.000	0.095	0.000	0.000	0.008
Steele City	MT	McCone	122.656	122.711	0.055	MT055	Floweree silt loam, 0 to 4 percent slopes	0.000	0.000	0.005	0.000	0.000	0.054	0.000	0.000	0.000
Steele City	MT	McCone	122.711	122.758	0.047	MT055	Marias clay	0.000	0.000	0.047	0.000	0.000	0.047	0.000	0.000	0.000
Steele City	MT	McCone	122.758	122.787	0.028	MT055	Floweree silt loam, 0 to 4 percent slopes	0.000	0.000	0.003	0.000	0.000	0.028	0.000	0.000	0.000
Steele City	MT	McCone	122.787	122.881	0.094	MT055	Lonna silty clay loam, 0 to 4 percent slopes	0.000	0.000	0.094	0.000	0.000	0.094	0.000	0.000	0.000
Steele City	MT	McCone	122.881	122.886	0.005	MT055	Ethridge silty clay loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.005	0.000	0.005	0.000	0.000	0.000
Steele City	MT	McCone	122.886	122.994	0.108	MT055	Alona silt loam, 0 to 8 percent slopes	0.000	0.000	0.098	0.000	0.000	0.108	0.000	0.000	0.000
Steele City	MT	McCone	122.994	123.094	0.100	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.002	0.000	0.098	0.000	0.003	0.073	0.000	0.000	0.002
Steele City	MT	McCone	123.094	123.226	0.132	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000	0.000	0.130	0.000	0.000	0.132	0.004	0.000	0.000
Steele City	MT	McCone	123.226	123.304	0.078	MT055	Cambeth silt loam, 2 to 8 percent slopes	0.000	0.000	0.072	0.000	0.000	0.076	0.000	0.000	0.000
Steele City	MT	McCone	123.304	123.575	0.271	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.000	0.260	0.176	0.000	0.000	0.260	0.000	0.000	0.000
Steele City	MT	McCone	123.575	123.585	0.010	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.004	0.000	0.000	0.010	0.000	0.000	0.000
Steele City	MT	McCone	123.585	123.937	0.351	MT055	Kremlin loam, 4 to 8 percent slopes	0.000	0.000	0.025	0.351	0.000	0.341	0.000	0.000	0.011
Steele City	MT	McCone	123.937	124.005	0.068	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.000	0.065	0.044	0.000	0.000	0.065	0.000	0.000	0.000
Steele City	MT	McCone	124.005	124.065	0.060	MT055	Kremlin loam, 4 to 8 percent slopes	0.000	0.000	0.004	0.060	0.000	0.058	0.000	0.000	0.002
Steele City	MT	McCone	124.065	124.283	0.218	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.000	0.209	0.142	0.000	0.000	0.209	0.000	0.000	0.000
Steele City	MT	McCone	124.283	124.428	0.145	MT055	Floweree silt loam, 4 to 8 percent slopes	0.000	0.000	0.142	0.000	0.000	0.142	0.000	0.000	0.000
Steele City	MT	McCone	124.428	124.462	0.034	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.033	0.000	0.000	0.033	0.001	0.000	0.001
Steele City	MT	McCone	124.462	124.536	0.074	MT055	Ustic torriorthents-Ustic torrifluvents association	0.000	0.004	0.009	0.000	0.001	0.011	0.000	0.000	0.000
Steele City	MT	McCone	124.536	124.542	0.006	MT055	Floweree silt loam, 0 to 4 percent slopes	0.000	0.000	0.001	0.000	0.000	0.006	0.000	0.000	0.000
Steele City	MT	McCone	124.542	124.720	0.177	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.174	0.000	0.000	0.174	0.004	0.000	0.004
Steele City	MT	McCone	124.720	124.820	0.100	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	0.003	0.097	0.089	0.000	0.000	0.094	0.000	0.000	0.003

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	McCone	124.820	124.975	0.155	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.152	0.000	0.000	0.152	0.003	0.000	0.003
Steele City	MT	McCone	124.975	125.073	0.098	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	0.003	0.095	0.087	0.000	0.000	0.092	0.000	0.000	0.003
Steele City	MT	McCone	125.073	125.409	0.335	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.329	0.000	0.000	0.329	0.007	0.000	0.007
Steele City	MT	McCone	125.409	125.513	0.105	MT055	Floweree silt loam, 0 to 4 percent slopes	0.000	0.000	0.009	0.000	0.000	0.101	0.000	0.000	0.000
Steele City	MT	McCone	125.513	125.921	0.408	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.057	0.388	0.318	0.000	0.000	0.196	0.000	0.000	0.029
Steele City	MT	McCone	125.921	126.053	0.131	MT055	Floweree silt loam, 0 to 4 percent slopes	0.000	0.000	0.012	0.000	0.000	0.127	0.000	0.000	0.000
Steele City	MT	McCone	126.053	126.132	0.080	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.002	0.000	0.078	0.000	0.002	0.058	0.000	0.000	0.002
Steele City	MT	McCone	126.132	126.187	0.055	MT055	Ustic torriorthents-Ustic torrifluvents association	0.000	0.003	0.007	0.000	0.001	0.008	0.000	0.000	0.000
Steele City	MT	McCone	126.187	126.584	0.397	MT055	Floweree silt loam, 0 to 4 percent slopes	0.000	0.000	0.036	0.000	0.000	0.385	0.000	0.000	0.000
Steele City	MT	McCone	126.584	126.777	0.193	MT055	Cabbart silt loam, 15 to 25 percent slopes	0.012	0.189	0.168	0.000	0.000	0.176	0.000	0.000	0.006
Steele City	MT	McCone	126.777	126.871	0.094	MT055	Alona silt loam, 0 to 8 percent slopes	0.000	0.000	0.085	0.000	0.000	0.094	0.000	0.000	0.000
Steele City	MT	McCone	126.871	127.014	0.143	MT055	Lonna silty clay loam, 0 to 4 percent slopes	0.000	0.000	0.143	0.000	0.000	0.143	0.000	0.000	0.000
Steele City	MT	McCone	127.014	127.094	0.080	MT055	Cabbart silt loam, 15 to 25 percent slopes	0.005	0.079	0.070	0.000	0.000	0.073	0.000	0.000	0.002
Steele City	MT	McCone	127.094	127.179	0.085	MT055	Floweree silt loam, 0 to 4 percent slopes	0.000	0.000	0.008	0.000	0.000	0.083	0.000	0.000	0.000
Steele City	MT	McCone	127.179	127.253	0.073	MT055	Alona silt loam, 0 to 8 percent slopes	0.000	0.000	0.067	0.000	0.000	0.073	0.000	0.000	0.000
Steele City	MT	McCone	127.253	127.352	0.099	MT055	Floweree silt loam, 0 to 4 percent slopes	0.000	0.000	0.009	0.000	0.000	0.096	0.000	0.000	0.000
Steele City	MT	McCone	127.352	127.402	0.051	MT055	Alona silt loam, 0 to 8 percent slopes	0.000	0.000	0.046	0.000	0.000	0.051	0.000	0.000	0.000
Steele City	MT	McCone	127.402	127.493	0.091	MT055	Floweree silt loam, 0 to 4 percent slopes	0.000	0.000	0.008	0.000	0.000	0.088	0.000	0.000	0.000
Steele City	MT	McCone	127.493	127.501	0.008	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.000	0.000	0.007	0.000	0.000	0.007	0.000	0.000	0.000
Steele City	MT	McCone	127.501	127.549	0.048	MT055	Cabbart-Badland complex, 15 to 45 percent slopes	0.000	0.031	0.021	0.000	0.000	0.025	0.004	0.000	0.000
Steele City	MT	McCone	127.549	127.730	0.182	MT055	Alona silt loam, saline, 0 to 2 percent slopes	0.000	0.000	0.174	0.000	0.004	0.182	0.000	0.000	0.000
Steele City	MT	McCone	127.730	127.811	0.081	MT055	Floweree silt loam, 0 to 4 percent slopes	0.000	0.000	0.007	0.000	0.000	0.078	0.000	0.000	0.000
Steele City	MT	McCone	127.811	127.879	0.067	MT055	Kremlin loam, 4 to 8 percent slopes	0.000	0.000	0.005	0.067	0.000	0.065	0.000	0.000	0.002
Steele City	MT	McCone	127.879	128.054	0.175	MT055	Floweree silt loam, 0 to 4 percent slopes	0.000	0.000	0.016	0.000	0.000	0.170	0.000	0.000	0.000
Steele City	MT	McCone	128.054	128.117	0.063	MT055	Cambeth silt loam, 2 to 8 percent slopes	0.000	0.000	0.058	0.000	0.000	0.061	0.000	0.000	0.000
Steele City	MT	McCone	128.117	128.183	0.066	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	0.000	0.044	0.063	0.000	0.000	0.044	0.000	0.000	0.000
Steele City	MT	McCone	128.183	128.213	0.030	MT055	Floweree silt loam, 0 to 4 percent slopes	0.000	0.000	0.003	0.000	0.000	0.029	0.000	0.000	0.000
Steele City	MT	McCone	128.213	128.270	0.057	MT055	Cabbart silt loam, 15 to 25 percent slopes	0.003	0.056	0.050	0.000	0.000	0.052	0.000	0.000	0.002
Steele City	MT	McCone	128.270	128.270	0.000	MT055	Lonna silty clay loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	MT	McCone	128.270	128.451	0.181	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.145	0.172	0.027	0.000	0.000	0.027	0.013	0.000	0.073
Steele City	MT	McCone	128.451	128.550	0.099	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	0.000	0.066	0.094	0.000	0.000	0.066	0.000	0.000	0.000
Steele City	MT	McCone	128.550	128.727	0.176	MT055	Alona silt loam, 0 to 8 percent slopes	0.000	0.000	0.161	0.000	0.000	0.176	0.000	0.000	0.000
Steele City	MT	McCone	128.727	128.837	0.111	MT055	Cambeth silt loam, 2 to 8 percent slopes	0.000	0.000	0.102	0.000	0.000	0.107	0.000	0.000	0.000
Steele City	MT	McCone	128.837	128.895	0.057	MT055	Cabbart-Kirby complex, 8 to 45 percent slopes	0.000	0.056	0.034	0.000	0.000	0.037	0.020	0.000	0.000
Steele City	MT	McCone	128.895	128.918	0.023	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	0.001	0.023	0.021	0.000	0.000	0.022	0.000	0.000	0.001
Steele City	MT	McCone	128.918	128.957	0.039	MT055	Cabbart-Kirby complex, 8 to 45 percent slopes	0.000	0.038	0.023	0.000	0.000	0.025	0.014	0.000	0.000
Steele City	MT	McCone	128.957	129.017	0.061	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	0.002	0.059	0.054	0.000	0.000	0.057	0.000	0.000	0.002
Steele City	MT	McCone	129.017	129.028	0.011	MT055	Cabbart-Kirby complex, 8 to 45 percent slopes	0.000	0.011	0.007	0.000	0.000	0.007	0.004	0.000	0.000
Steele City	MT	McCone	129.028	129.063	0.034	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.027	0.033	0.005	0.000	0.000	0.005	0.002	0.000	0.014
Steele City	MT	McCone	129.063	129.179	0.117	MT055	Busby fine sandy loam, 2 to 8 percent slopes	0.003	0.000	0.017	0.117	0.000	0.010	0.000	0.000	0.003
Steele City	MT	McCone	129.179	129.472	0.293	MT055	Kremlin loam, 4 to 8 percent slopes	0.000	0.000	0.021	0.293	0.000	0.284	0.000	0.000	0.009
Steele City	MT	McCone	129.472	129.571	0.099	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.097	0.000	0.000	0.097	0.002	0.000	0.002
Steele City	MT	McCone	129.571	129.610	0.039	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	0.001	0.038	0.035	0.000	0.000	0.036	0.000	0.000	0.001
Steele City	MT	McCone	129.610	129.878	0.268	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.263	0.000	0.000	0.263	0.005	0.000	0.005
Steele City	MT	McCone	129.878	130.119	0.241	MT055	Cambeth silt loam, 2 to 8 percent slopes	0.000	0.000	0.221	0.000	0.000	0.234	0.000	0.000	0.000
Steele City	MT	McCone	130.119	130.241	0.122	MT055	Floweree silt loam, 4 to 8 percent slopes	0.000	0.000	0.120	0.000	0.000	0.120	0.000	0.000	0.000
Steele City	MT	McCone	130.241	130.296	0.055	MT055	Yamacall loam, 4 to 8 percent slopes	0.000	0.000	0.008	0.000	0.000	0.052	0.000	0.000	0.002
Steele City	MT	McCone	130.296	130.469	0.173	MT055	Floweree silt loam, 4 to 8 percent slopes	0.000	0.000	0.170	0.000	0.000	0.170	0.000	0.000	0.000
Steele City	MT	McCone	130.469	130.524	0.055	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.011	0.024	0.040	0.000	0.000	0.024	0.000	0.000	0.011
Steele City	MT	McCone	130.524	130.790	0.266	MT055	Floweree silt loam, 0 to 4 percent slopes	0.000	0.000	0.024	0.000	0.000	0.258	0.000	0.000	0.000
Steele City	MT	McCone	130.790	130.871	0.081	MT055	Cabbart silt loam, 15 to 25 percent slopes	0.005	0.080	0.071	0.000	0.000	0.074	0.000	0.000	0.002
Steele City	MT	McCone	130.871	130.979	0.108	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.106	0.000	0.000	0.106	0.002	0.000	0.002
Steele City	MT	McCone	130.979	131.099	0.120	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	0.004	0.117	0.107	0.000	0.000	0.113	0.000	0.000	0.004
Steele City	MT	McCone	131.099	131.198	0.099	MT055	Floweree silt loam, 0 to 4 percent slopes	0.000	0.000	0.009	0.000	0.000	0.096	0.000	0.000	0.000
Steele City	MT	McCone	131.198	131.255	0.057	MT055	Cabbart silt loam, 15 to 25 percent slopes	0.003	0.056	0.050	0.000	0.000	0.052	0.000	0.000	0.002
Steele City	MT	McCone	131.255	131.331	0.075	MT055	Yamacall loam, 4 to 8 percent slopes	0.000	0.000	0.011	0.000	0.000	0.072	0.000	0.000	0.002
Steele City	MT	McCone	131.331	131.400	0.069	MT055	Yamac loam, 8 to 15 percent slopes	0.002	0.062	0.067	0.000	0.000	0.064	0.000	0.000	0.002

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	McCone	131.400	131.572	0.172	MT055	Yamacall loam, 4 to 8 percent slopes	0.000	0.000	0.026	0.000	0.000	0.163	0.000	0.000	0.005
Steele City	MT	McCone	131.572	131.680	0.109	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.106	0.000	0.000	0.106	0.002	0.000	0.002
Steele City	MT	McCone	131.680	131.750	0.069	MT055	Yamacall loam, 4 to 8 percent slopes	0.000	0.000	0.010	0.000	0.000	0.066	0.000	0.000	0.002
Steele City	MT	McCone	131.750	131.793	0.043	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.043	0.000	0.000	0.043	0.001	0.000	0.001
Steele City	MT	McCone	131.793	131.873	0.080	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.000	0.055	0.049	0.000	0.000	0.055	0.000	0.000	0.005
Steele City	MT	McCone	131.873	131.942	0.069	MT055	Shambo-Cambert loams, 2 to 8 percent slopes	0.000	0.002	0.032	0.069	0.000	0.068	0.000	0.000	0.000
Steele City	MT	McCone	131.942	132.044	0.102	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.091	0.091	0.000	0.000	0.096	0.000	0.000	0.003
Steele City	MT	McCone	132.044	132.170	0.126	MT055	Shambo-Cambert loams, 2 to 8 percent slopes	0.000	0.004	0.058	0.126	0.000	0.123	0.000	0.000	0.000
Steele City	MT	McCone	132.170	132.300	0.130	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.004	0.056	0.130	0.000	0.126	0.000	0.000	0.000
Steele City	MT	McCone	132.300	132.345	0.045	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.041	0.045	0.000	0.044	0.001	0.000	0.001
Steele City	MT	McCone	132.345	132.373	0.027	MT055	Cabba loam, 15 to 25 percent slopes	0.000	0.026	0.024	0.000	0.000	0.025	0.000	0.000	0.000
Steele City	MT	McCone	132.373	132.477	0.105	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.094	0.105	0.000	0.100	0.002	0.000	0.002
Steele City	MT	McCone	132.477	132.663	0.185	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.006	0.080	0.185	0.000	0.180	0.000	0.000	0.000
Steele City	MT	McCone	132.663	132.756	0.094	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.084	0.094	0.000	0.090	0.002	0.000	0.002
Steele City	MT	McCone	132.756	133.370	0.614	MT055	Bryant silt loam, 0 to 4 percent slopes	0.000	0.000	0.037	0.614	0.000	0.614	0.000	0.000	0.000
Steele City	MT	McCone	133.370	133.531	0.161	MT055	Cherry silt loam, 0 to 4 percent slopes	0.000	0.000	0.011	0.161	0.000	0.161	0.000	0.000	0.000
Steele City	MT	McCone	133.531	133.588	0.057	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.051	0.057	0.000	0.055	0.001	0.000	0.001
Steele City	MT	McCone	133.588	133.713	0.125	MT055	Bryant silt loam, 0 to 4 percent slopes	0.000	0.000	0.007	0.125	0.000	0.125	0.000	0.000	0.000
Steele City	MT	McCone	133.713	133.771	0.058	MT055	Barkof silty clay, 2 to 8 percent slopes	0.000	0.002	0.051	0.000	0.000	0.055	0.000	0.000	0.000
Steele City	MT	McCone	133.771	134.047	0.276	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.248	0.276	0.000	0.265	0.006	0.000	0.006
Steele City	MT	McCone	134.047	134.289	0.241	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.007	0.104	0.241	0.000	0.234	0.000	0.000	0.000
Steele City	MT	McCone	134.289	134.377	0.088	MT055	Bryant silt loam, 0 to 4 percent slopes	0.000	0.000	0.005	0.088	0.000	0.088	0.000	0.000	0.000
Steele City	MT	McCone	134.377	134.427	0.050	MT055	Typic Ustorthents-Typic Ustifluvents association	0.000	0.002	0.003	0.000	0.001	0.006	0.002	0.000	0.002
Steele City	MT	McCone	134.427	134.673	0.246	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.222	0.246	0.000	0.236	0.005	0.000	0.005
Steele City	MT	McCone	134.673	134.842	0.169	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.005	0.073	0.169	0.000	0.164	0.000	0.000	0.000
Steele City	MT	McCone	134.842	134.963	0.122	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.109	0.122	0.000	0.117	0.002	0.000	0.002
Steele City	MT	McCone	134.963	135.015	0.052	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.002	0.022	0.052	0.000	0.051	0.000	0.000	0.000
Steele City	MT	McCone	135.015	135.097	0.081	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.072	0.072	0.000	0.000	0.076	0.000	0.000	0.002
Steele City	MT	McCone	135.097	135.247	0.150	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.005	0.065	0.150	0.000	0.146	0.000	0.000	0.000
Steele City	MT	McCone	135.247	135.266	0.019	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.017	0.019	0.000	0.019	0.000	0.000	0.000
Steele City	MT	McCone	135.266	135.334	0.068	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.002	0.029	0.068	0.000	0.066	0.000	0.000	0.000
Steele City	MT	McCone	135.334	135.372	0.038	MT055	Bryant silt loam, 0 to 4 percent slopes	0.000	0.000	0.002	0.038	0.000	0.038	0.000	0.000	0.000
Steele City	MT	McCone	135.372	135.436	0.063	MT055	Typic Ustorthents-Typic Ustifluvents association	0.000	0.002	0.003	0.000	0.001	0.007	0.002	0.000	0.003
Steele City	MT	McCone	135.436	135.726	0.290	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.009	0.125	0.290	0.000	0.282	0.000	0.000	0.000
Steele City	MT	McCone	135.726	135.986	0.260	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.000	0.179	0.158	0.000	0.000	0.179	0.000	0.000	0.016
Steele City	MT	McCone	135.986	136.109	0.123	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.004	0.053	0.123	0.000	0.119	0.000	0.000	0.000
Steele City	MT	McCone	136.109	136.183	0.074	MT055	Bryant silt loam, 0 to 4 percent slopes	0.000	0.000	0.004	0.074	0.000	0.074	0.000	0.000	0.000
Steele City	MT	McCone	136.183	136.225	0.042	MT055	Cherry silt loam, 0 to 4 percent slopes	0.000	0.000	0.003	0.042	0.000	0.042	0.000	0.000	0.000
Steele City	MT	McCone	136.225	136.292	0.067	MT055	Typic Ustorthents-Typic Ustifluvents association	0.000	0.002	0.003	0.000	0.001	0.007	0.002	0.000	0.003
Steele City	MT	McCone	136.292	136.458	0.166	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.005	0.072	0.166	0.000	0.161	0.000	0.000	0.000
Steele City	MT	McCone	136.458	136.649	0.191	MT055	Cambert-Barkof-Cabba complex, 4 to 15 percent slopes	0.000	0.172	0.172	0.000	0.000	0.184	0.000	0.000	0.000
Steele City	MT	McCone	136.649	136.817	0.168	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.005	0.072	0.168	0.000	0.163	0.000	0.000	0.000
Steele City	MT	McCone	136.817	136.953	0.136	MT055	Cambert-Barkof-Cabba complex, 4 to 15 percent slopes	0.000	0.122	0.122	0.000	0.000	0.131	0.000	0.000	0.000
Steele City	MT	McCone	136.953	137.029	0.076	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.002	0.033	0.076	0.000	0.074	0.000	0.000	0.000
Steele City	MT	McCone	137.029	137.204	0.175	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.158	0.175	0.000	0.168	0.004	0.000	0.004
Steele City	MT	McCone	137.204	137.252	0.047	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.001	0.020	0.047	0.000	0.046	0.000	0.000	0.000
Steele City	MT	McCone	137.252	137.384	0.132	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.119	0.132	0.000	0.127	0.003	0.000	0.003
Steele City	MT	McCone	137.384	137.637	0.253	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.008	0.109	0.253	0.000	0.245	0.000	0.000	0.000
Steele City	MT	McCone	137.637	138.012	0.375	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.000	0.259	0.229	0.000	0.000	0.259	0.000	0.000	0.022
Steele City	MT	McCone	138.012	138.155	0.142	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.128	0.142	0.000	0.137	0.003	0.000	0.003
Steele City	MT	McCone	138.155	138.268	0.114	MT055	Cherry silt loam, 0 to 4 percent slopes	0.000	0.000	0.008	0.114	0.000	0.114	0.000	0.000	0.000
Steele City	MT	McCone	138.268	138.354	0.085	MT055	Typic Ustorthents-Typic Ustifluvents association	0.000	0.003	0.004	0.000	0.002	0.009	0.003	0.000	0.003
Steele City	MT	McCone	138.354	138.420	0.067	MT055	Bryant silt loam, 0 to 4 percent slopes	0.000	0.000	0.004	0.067	0.000	0.067	0.000	0.000	0.000
Steele City	MT	McCone	138.420	138.498	0.078	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.000	0.054	0.047	0.000	0.000	0.054	0.000	0.000	0.005
Steele City	MT	McCone	138.498	138.632	0.134	MT055	Cherry silt loam, 0 to 4 percent slopes	0.000	0.000	0.009	0.134	0.000	0.134	0.000	0.000	0.000
Steele City	MT	McCone	138.632	138.705	0.073	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.000	0.050	0.044	0.000	0.000	0.050	0.000	0.000	0.004
Steele City	MT	McCone	138.705	138.761	0.056	MT055	Shambo loam, 0 to 4 percent slopes	0.000	0.000	0.001	0.056	0.000	0.055	0.000	0.000	0.002

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	McCone	138.761	138.796	0.035	MT055	Cherry silt loam, 0 to 4 percent slopes	0.000	0.000	0.002	0.035	0.000	0.035	0.000	0.000	0.000
Steele City	MT	McCone	138.796	138.852	0.056	MT055	Typic Ustorthents-Typic Ustifluvents association	0.000	0.002	0.003	0.000	0.001	0.006	0.002	0.000	0.002
Steele City	MT	McCone	138.852	138.869	0.017	MT055	Cherry silt loam, 0 to 4 percent slopes	0.000	0.000	0.001	0.017	0.000	0.017	0.000	0.000	0.000
Steele City	MT	McCone	138.869	139.061	0.192	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.173	0.192	0.000	0.184	0.004	0.000	0.004
Steele City	MT	McCone	139.061	139.215	0.154	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.137	0.137	0.000	0.000	0.145	0.000	0.000	0.005
Steele City	MT	McCone	139.215	139.302	0.087	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.003	0.038	0.087	0.000	0.085	0.000	0.000	0.000
Steele City	MT	McCone	139.302	139.356	0.053	MT055	Bryant silt loam, 0 to 4 percent slopes	0.000	0.000	0.003	0.053	0.000	0.053	0.000	0.000	0.000
Steele City	MT	McCone	139.356	139.404	0.048	MT055	Typic Ustorthents-Typic Ustifluvents association	0.000	0.001	0.002	0.000	0.001	0.005	0.001	0.000	0.002
Steele City	MT	McCone	139.404	139.554	0.150	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.135	0.150	0.000	0.144	0.003	0.000	0.003
Steele City	MT	McCone	139.554	139.663	0.109	MT055	Dast-Blanchard complex, 2 to 8 percent slopes	0.038	0.003	0.003	0.000	0.000	0.007	0.000	0.000	0.048
Steele City	MT	McCone	139.663	139.711	0.048	MT055	Dast fine sandy loam, 8 to 15 percent slopes	0.000	0.003	0.001	0.000	0.000	0.003	0.000	0.000	0.003
Steele City	MT	McCone	139.711	139.759	0.048	MT055	Bryant silt loam, 0 to 4 percent slopes	0.000	0.000	0.003	0.048	0.000	0.048	0.000	0.000	0.000
Steele City	MT	McCone	139.759	139.873	0.114	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.101	0.101	0.000	0.000	0.107	0.000	0.000	0.003
Steele City	MT	McCone	139.873	139.948	0.075	MT055	Bryant silt loam, 0 to 4 percent slopes	0.000	0.000	0.005	0.075	0.000	0.075	0.000	0.000	0.000
Steele City	MT	McCone	139.948	140.053	0.105	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.095	0.105	0.000	0.101	0.002	0.000	0.002
Steele City	MT	McCone	140.053	140.234	0.182	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.000	0.125	0.111	0.000	0.000	0.125	0.000	0.000	0.011
Steele City	MT	McCone	140.234	140.346	0.111	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.003	0.048	0.111	0.000	0.108	0.000	0.000	0.000
Steele City	MT	McCone	140.346	140.377	0.032	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.028	0.028	0.000	0.000	0.030	0.000	0.000	0.001
Steele City	MT	McCone	140.377	140.407	0.030	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.027	0.030	0.000	0.029	0.001	0.000	0.001
Steele City	MT	McCone	140.407	140.431	0.024	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.001	0.010	0.024	0.000	0.023	0.000	0.000	0.000
Steele City	MT	McCone	140.431	140.478	0.047	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.042	0.047	0.000	0.045	0.001	0.000	0.001
Steele City	MT	McCone	140.478	140.600	0.122	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.108	0.108	0.000	0.000	0.115	0.000	0.000	0.004
Steele City	MT	McCone	140.600	140.728	0.128	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.115	0.128	0.000	0.123	0.003	0.000	0.003
Steele City	MT	McCone	140.728	140.899	0.171	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.000	0.118	0.104	0.000	0.000	0.118	0.000	0.000	0.010
Steele City	MT	McCone	140.899	141.007	0.108	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.097	0.108	0.000	0.104	0.002	0.000	0.002
Steele City	MT	McCone	141.007	141.284	0.277	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.247	0.247	0.000	0.000	0.261	0.000	0.000	0.008
Steele City	MT	McCone	141.284	141.309	0.025	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.022	0.025	0.000	0.024	0.000	0.000	0.000
Steele City	MT	McCone	141.309	141.490	0.182	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.162	0.162	0.000	0.000	0.171	0.000	0.000	0.005
Steele City	MT	McCone	141.490	142.206	0.716	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.644	0.716	0.000	0.687	0.014	0.000	0.014
Steele City	MT	McCone	142.206	142.363	0.157	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.005	0.068	0.157	0.000	0.152	0.000	0.000	0.000
Steele City	MT	McCone	142.363	142.417	0.054	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.049	0.054	0.000	0.052	0.001	0.000	0.001
Steele City	MT	McCone	142.417	142.473	0.056	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.002	0.024	0.056	0.000	0.054	0.000	0.000	0.000
Steele City	MT	McCone	142.473	142.829	0.356	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.320	0.356	0.000	0.342	0.007	0.000	0.007
Steele City	MT	McCone	142.829	142.894	0.065	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.058	0.058	0.000	0.000	0.061	0.000	0.000	0.002
Steele City	MT	McCone	142.894	142.941	0.046	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.042	0.046	0.000	0.044	0.001	0.000	0.001
Steele City	MT	McCone	142.941	143.026	0.086	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.076	0.076	0.000	0.000	0.081	0.000	0.000	0.003
Steele City	MT	McCone	143.026	143.442	0.416	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.374	0.416	0.000	0.399	0.008	0.000	0.008
Steele City	MT	McCone	143.442	143.537	0.095	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.085	0.085	0.000	0.000	0.089	0.000	0.000	0.003
Steele City	MT	McCone	143.537	143.723	0.185	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.167	0.185	0.000	0.178	0.004	0.000	0.004
Steele City	MT	McCone	143.723	143.889	0.166	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.005	0.071	0.166	0.000	0.161	0.000	0.000	0.000
Steele City	MT	McCone	143.889	144.112	0.224	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.201	0.224	0.000	0.215	0.004	0.000	0.004
Steele City	MT	McCone	144.112	144.372	0.260	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.008	0.112	0.260	0.000	0.253	0.000	0.000	0.000
Steele City	MT	McCone	144.372	144.406	0.033	MT055	Cherry silt loam, 0 to 4 percent slopes	0.000	0.000	0.002	0.033	0.000	0.033	0.000	0.000	0.000
Steele City	MT	McCone	144.406	144.464	0.058	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.052	0.058	0.000	0.056	0.001	0.000	0.001
Steele City	MT	McCone	144.464	144.540	0.076	MT055	Cherry silt loam, 0 to 4 percent slopes	0.000	0.000	0.005	0.076	0.000	0.076	0.000	0.000	0.000
Steele City	MT	McCone	144.540	144.685	0.145	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.130	0.145	0.000	0.139	0.003	0.000	0.003
Steele City	MT	McCone	144.685	144.759	0.074	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.000	0.000	0.004	0.074	0.001	0.052	0.000	0.000	0.022
Steele City	MT	McCone	144.759	144.975	0.216	MT055	Cherry silt loam, 0 to 4 percent slopes	0.000	0.000	0.015	0.216	0.000	0.216	0.000	0.000	0.000
Steele City	MT	McCone	144.975	145.049	0.073	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.066	0.073	0.000	0.071	0.001	0.000	0.001
Steele City	MT	McCone	145.049	145.062	0.013	MT055	Cherry silt loam, 0 to 4 percent slopes	0.000	0.000	0.001	0.013	0.000	0.013	0.000	0.000	0.000
Steele City	MT	McCone	145.062	145.192	0.130	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.117	0.130	0.000	0.125	0.003	0.000	0.003
Steele City	MT	McCone	145.192	145.430	0.238	MT055	Cherry silt loam, 0 to 4 percent slopes	0.000	0.000	0.017	0.238	0.000	0.238	0.000	0.000	0.000
Steele City	MT	McCone	145.430	145.582	0.152	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.137	0.152	0.000	0.146	0.003	0.000	0.003
Steele City	MT	McCone	145.582	145.677	0.095	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	0.000	0.089	0.042	0.000	0.000	0.047	0.024	0.000	0.024
Steele City	MT	McCone	145.677	145.825	0.148	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.134	0.148	0.000	0.143	0.003	0.000	0.003
Steele City	MT	McCone	145.825	146.020	0.195	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	0.000	0.183	0.086	0.000	0.000	0.098	0.049	0.000	0.049
Steele City	MT	McCone	146.020	146.144	0.124	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.110	0.110	0.000	0.000	0.117	0.000	0.000	0.004

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	McCone	146.144	146.208	0.063	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.000	0.000	0.004	0.063	0.001	0.044	0.000	0.000	0.019
Steele City	MT	McCone	146.208	146.314	0.107	MT055	Havrelon loam	0.000	0.000	0.000	0.107	0.000	0.102	0.003	0.000	0.007
Steele City	MT	McCone	146.314	146.527	0.213	MT055	Trembles fine sandy loam	0.000	0.000	0.000	0.213	0.000	0.030	0.015	0.000	0.198
Steele City	MT	McCone	146.527	146.597	0.069	MT055	Typic Fluvaquents, frequently flooded	0.002	0.000	0.000	0.000	0.000	0.001	0.001	0.000	0.007
Steele City	MT	McCone	146.597	146.619	0.022	MT055	Trembles fine sandy loam	0.000	0.000	0.000	0.022	0.000	0.003	0.002	0.000	0.021
Steele City	MT	McCone	146.619	147.434	0.815	MT055	Cherry silt loam, 0 to 4 percent slopes	0.000	0.000	0.057	0.815	0.000	0.815	0.000	0.000	0.000
Steele City	MT	McCone	147.434	147.673	0.239	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.000	0.000	0.014	0.239	0.005	0.167	0.000	0.000	0.072
Steele City	MT	McCone	147.673	147.922	0.249	MT055	Cherry silt loam, 0 to 4 percent slopes	0.000	0.000	0.017	0.249	0.000	0.249	0.000	0.000	0.000
Steele City	MT	McCone	147.922	148.021	0.099	MT055	Bryant silt loam, 0 to 4 percent slopes	0.000	0.000	0.006	0.099	0.000	0.099	0.000	0.000	0.000
Steele City	MT	McCone	148.021	148.173	0.151	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.136	0.151	0.000	0.145	0.003	0.000	0.003
Steele City	MT	McCone	148.173	148.379	0.207	MT055	Bryant silt loam, 0 to 4 percent slopes	0.000	0.000	0.012	0.207	0.000	0.207	0.000	0.000	0.000
Steele City	MT	McCone	148.379	148.674	0.295	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.262	0.262	0.000	0.000	0.277	0.000	0.000	0.009
Steele City	MT	McCone	148.674	148.815	0.141	MT055	Bryant silt loam, 0 to 4 percent slopes	0.000	0.000	0.008	0.141	0.000	0.141	0.000	0.000	0.000
Steele City	MT	McCone	148.815	148.925	0.110	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.099	0.110	0.000	0.105	0.002	0.000	0.002
Steele City	MT	McCone	148.925	149.151	0.226	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.000	0.156	0.138	0.000	0.000	0.156	0.000	0.000	0.014
Steele City	MT	McCone	149.151	149.267	0.116	MT055	Cherry silt loam, 0 to 4 percent slopes	0.000	0.000	0.008	0.116	0.000	0.116	0.000	0.000	0.000
Steele City	MT	McCone	149.267	149.355	0.088	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.079	0.088	0.000	0.085	0.002	0.000	0.002
Steele City	MT	McCone	149.355	149.550	0.195	MT055	Macar loam, 4 to 8 percent slopes	0.000	0.006	0.010	0.195	0.000	0.187	0.002	0.000	0.004
Steele City	MT	McCone	149.550	149.717	0.166	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	0.000	0.156	0.073	0.000	0.000	0.083	0.042	0.000	0.042
Steele City	MT	McCone	149.717	149.771	0.055	MT055	Shambo loam, 4 to 8 percent slopes	0.000	0.002	0.004	0.055	0.000	0.054	0.001	0.001	0.002
Steele City	MT	McCone	149.771	149.889	0.118	MT055	Bryant silt loam, 0 to 4 percent slopes	0.000	0.000	0.007	0.118	0.000	0.118	0.000	0.000	0.000
Steele City	MT	McCone	149.889	149.962	0.073	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.000	0.000	0.004	0.073	0.001	0.051	0.000	0.000	0.022
Steele City	MT	McCone	149.962	150.190	0.228	MT055	Bryant silt loam, 0 to 4 percent slopes	0.000	0.000	0.014	0.228	0.000	0.228	0.000	0.000	0.000
Steele City	MT	McCone	150.190	150.453	0.264	MT055	Shambo loam, 4 to 8 percent slopes	0.000	0.011	0.021	0.264	0.000	0.258	0.005	0.005	0.011
Steele City	MT	McCone	150.453	150.488	0.034	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.000	0.024	0.021	0.000	0.000	0.024	0.000	0.000	0.002
Steele City	MT	McCone	150.488	150.490	0.002	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.000	0.000	0.000	0.002	0.000	0.001	0.000	0.000	0.001
Steele City	MT	McCone	150.490	150.569	0.079	MT055	Typic Fluvaquents, saline	0.000	0.001	0.004	0.000	0.000	0.006	0.000	0.000	0.002
Steele City	MT	McCone	150.569	150.856	0.287	MT055	Cherry silt loam, 0 to 4 percent slopes	0.000	0.000	0.020	0.287	0.000	0.287	0.000	0.000	0.000
Steele City	MT	McCone	150.856	151.032	0.176	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.159	0.176	0.000	0.169	0.004	0.000	0.004
Steele City	MT	McCone	151.032	151.316	0.284	MT055	Cherry silt loam, 0 to 4 percent slopes	0.000	0.000	0.020	0.284	0.000	0.284	0.000	0.000	0.000
Steele City	MT	McCone	151.316	151.359	0.044	MT055	Typic Ustorthents-Typic Ustifluvents association	0.000	0.001	0.002	0.000	0.001	0.005	0.001	0.000	0.002
Steele City	MT	McCone	151.359	151.763	0.404	MT055	Cherry silt loam, 0 to 4 percent slopes	0.000	0.000	0.028	0.404	0.000	0.404	0.000	0.000	0.000
Steele City	MT	McCone	151.763	151.825	0.062	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.000	0.000	0.004	0.062	0.001	0.044	0.000	0.000	0.019
Steele City	MT	McCone	151.825	152.033	0.208	MT055	Cherry silt loam, 0 to 4 percent slopes	0.000	0.000	0.015	0.208	0.000	0.208	0.000	0.000	0.000
Steele City	MT	McCone	152.033	152.300	0.267	MT055	Macar loam, 4 to 8 percent slopes	0.000	0.008	0.013	0.267	0.000	0.256	0.003	0.000	0.005
Steele City	MT	McCone	152.300	152.326	0.026	MT055	Cherry silt loam, 0 to 4 percent slopes	0.000	0.000	0.002	0.026	0.000	0.026	0.000	0.000	0.000
Steele City	MT	McCone	152.326	152.397	0.071	MT055	Macar loam, 4 to 8 percent slopes	0.000	0.002	0.004	0.071	0.000	0.068	0.001	0.000	0.001
Steele City	MT	McCone	152.397	152.435	0.037	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.033	0.033	0.000	0.000	0.035	0.000	0.000	0.001
Steele City	MT	McCone	152.435	152.488	0.054	MT055	Macar-Cambert loams, 2 to 8 percent slopes	0.000	0.000	0.025	0.054	0.000	0.051	0.000	0.000	0.000
Steele City	MT	McCone	152.488	152.893	0.404	MT055	Cambert loam, 2 to 8 percent slopes	0.000	0.000	0.364	0.404	0.000	0.388	0.008	0.000	0.008
Steele City	MT	McCone	152.893	153.140	0.247	MT055	Cherry silt loam, 0 to 4 percent slopes	0.000	0.000	0.017	0.247	0.000	0.247	0.000	0.000	0.000
Steele City	MT	McCone	153.140	153.196	0.056	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	0.000	0.053	0.025	0.000	0.000	0.028	0.014	0.000	0.014
Steele City	MT	McCone	153.196	153.225	0.029	MT055	Subwell-Peerless loams, 0 to 4 percent slopes	0.000	0.000	0.026	0.000	0.000	0.016	0.027	0.000	0.013
Steele City	MT	McCone	153.225	153.278	0.053	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	0.000	0.049	0.023	0.000	0.000	0.026	0.013	0.000	0.013
Steele City	MT	McCone	153.278	153.323	0.046	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.000	0.000	0.003	0.046	0.001	0.032	0.000	0.000	0.014
Steele City	MT	McCone	153.323	153.348	0.025	MT055	Cabba-Badland complex, 15 to 45 percent slopes	0.000	0.016	0.009	0.000	0.000	0.012	0.004	0.000	0.000
Steele City	MT	McCone	153.348	153.683	0.335	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.298	0.298	0.000	0.000	0.315	0.000	0.000	0.010
Steele City	MT	McCone	153.683	153.723	0.039	MT055	Macar loam, 8 to 15 percent slopes	0.000	0.038	0.004	0.000	0.000	0.038	0.001	0.000	0.000
Steele City	MT	McCone	153.723	154.159	0.437	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.013	0.188	0.437	0.000	0.424	0.000	0.000	0.000
Steele City	MT	McCone	154.159	154.355	0.195	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.174	0.174	0.000	0.000	0.184	0.000	0.000	0.006
Steele City	MT	McCone	154.355	154.499	0.144	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.004	0.062	0.144	0.000	0.140	0.000	0.000	0.000
Steele City	MT	McCone	154.499	154.807	0.308	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.274	0.274	0.000	0.000	0.289	0.000	0.000	0.009
Steele City	MT	McCone	154.807	154.971	0.164	MT055	Cabba-Barkof complex, 15 to 45 percent slopes	0.000	0.159	0.143	0.000	0.000	0.143	0.000	0.000	0.000
Steele City	MT	McCone	154.971	155.088	0.117	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.104	0.104	0.000	0.000	0.110	0.000	0.000	0.004
Steele City	MT	McCone	155.088	155.124	0.037	MT055	Shambo-Cambert loams, 2 to 8 percent slopes	0.000	0.001	0.017	0.037	0.000	0.036	0.000	0.000	0.000
Steele City	MT	McCone	155.124	155.631	0.507	MT055	Cabba-Barkof complex, 15 to 45 percent slopes	0.000	0.492	0.441	0.000	0.000	0.441	0.000	0.000	0.000
Steele City	MT	McCone	155.631	156.045	0.414	MT055	Macar loam, 4 to 8 percent slopes	0.000	0.012	0.021	0.414	0.000	0.397	0.004	0.000	0.008

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	McCone	156.045	156.259	0.214	MT055	Dast-Blanchard complex, 8 to 25 percent slopes	0.075	0.188	0.009	0.000	0.000	0.017	0.000	0.000	0.090
Steele City	MT	McCone	156.259	156.324	0.065	MT055	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.064	0.000	0.000	0.062	0.001	0.000	0.001
Steele City	MT	McCone	156.324	156.348	0.025	MT055	Cabba-Dast complex, 15 to 45 percent slopes	0.000	0.023	0.012	0.000	0.000	0.013	0.000	0.000	0.001
Steele City	MT	Dawson	156.348	156.424	0.076	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	0.027	0.069	0.041	0.000	0.000	0.042	0.000	0.000	0.030
Steele City	MT	Dawson	156.424	156.615	0.190	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	0.067	0.185	0.118	0.000	0.000	0.004	0.000	0.000	0.070
Steele City	MT	Dawson	156.615	156.729	0.115	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.003	0.000	0.045	0.000	0.006	0.077	0.001	0.000	0.038
Steele City	MT	Dawson	156.729	156.749	0.020	MT021	Terrace escarpments	0.000	0.020	0.000	0.000	0.000	0.000	0.020	0.000	0.020
Steele City	MT	Dawson	156.749	156.878	0.129	MT021	Attewan loam, 2 to 4 percent slopes	0.000	0.000	0.000	0.129	0.000	0.123	0.129	0.109	0.122
Steele City	MT	Dawson	156.878	156.915	0.037	MT021	Kremlin loam, 4 to 8 percent slopes	0.000	0.001	0.037	0.037	0.000	0.037	0.001	0.000	0.001
Steele City	MT	Dawson	156.915	156.973	0.058	MT021	Attewan loam, 2 to 4 percent slopes	0.000	0.000	0.000	0.058	0.000	0.055	0.058	0.049	0.055
Steele City	MT	Dawson	156.973	157.476	0.503	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.493	0.000	0.000	0.478	0.010	0.000	0.010
Steele City	MT	Dawson	157.476	157.649	0.173	MT021	Chinook fine sandy loam, 4 to 8 percent slopes	0.000	0.000	0.010	0.173	0.000	0.012	0.007	0.000	0.155
Steele City	MT	Dawson	157.649	157.718	0.070	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.066	0.066	0.000	0.000	0.066	0.001	0.000	0.001
Steele City	MT	Dawson	157.718	157.882	0.163	MT021	Twilight-Yetull complex, 2 to 8 percent slopes	0.057	0.000	0.101	0.000	0.000	0.003	0.000	0.000	0.062
Steele City	MT	Dawson	157.882	157.968	0.086	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	0.030	0.084	0.054	0.000	0.000	0.002	0.000	0.000	0.032
Steele City	MT	Dawson	157.968	158.265	0.297	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.009	0.000	0.000	0.000	0.000	0.143	0.155	0.134	0.155
Steele City	MT	Dawson	158.265	158.524	0.259	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	0.091	0.233	0.140	0.000	0.000	0.142	0.000	0.000	0.101
Steele City	MT	Dawson	158.524	158.640	0.116	MT021	Chinook fine sandy loam, 4 to 8 percent slopes	0.000	0.000	0.007	0.116	0.000	0.008	0.005	0.000	0.104
Steele City	MT	Dawson	158.640	158.728	0.088	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.000	0.088	0.084	0.000	0.000	0.086	0.082	0.000	0.003
Steele City	MT	Dawson	158.728	158.899	0.171	MT021	Lonna silt loam, 2 to 4 percent slopes	0.000	0.000	0.171	0.000	0.000	0.171	0.003	0.000	0.000
Steele City	MT	Dawson	158.899	159.027	0.127	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.001	0.076	0.073	0.000	0.000	0.073	0.001	0.000	0.001
Steele City	MT	Dawson	159.027	159.188	0.161	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	0.056	0.156	0.100	0.000	0.000	0.003	0.000	0.000	0.060
Steele City	MT	Dawson	159.188	159.207	0.019	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.000	0.011	0.011	0.000	0.000	0.011	0.000	0.000	0.000
Steele City	MT	Dawson	159.207	159.262	0.055	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.002	0.000	0.021	0.000	0.003	0.037	0.001	0.000	0.018
Steele City	MT	Dawson	159.262	159.309	0.048	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.000	0.029	0.027	0.000	0.000	0.027	0.000	0.000	0.000
Steele City	MT	Dawson	159.309	159.650	0.341	MT021	Twilight-Yetull complex, 2 to 8 percent slopes	0.119	0.000	0.211	0.000	0.000	0.007	0.000	0.000	0.129
Steele City	MT	Dawson	159.650	159.708	0.058	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.002	0.000	0.023	0.000	0.003	0.039	0.001	0.000	0.019
Steele City	MT	Dawson	159.708	160.151	0.443	MT021	Lonna silt loam, 2 to 4 percent slopes	0.000	0.000	0.443	0.000	0.000	0.443	0.009	0.000	0.000
Steele City	MT	Dawson	160.151	160.208	0.057	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.055	0.000	0.000	0.054	0.001	0.000	0.001
Steele City	MT	Dawson	160.208	160.299	0.091	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	0.004	0.091	0.052	0.000	0.000	0.080	0.004	0.000	0.004
Steele City	MT	Dawson	160.299	160.502	0.203	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.199	0.000	0.000	0.193	0.004	0.000	0.004
Steele City	MT	Dawson	160.502	160.657	0.155	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.147	0.147	0.000	0.000	0.147	0.003	0.000	0.003
Steele City	MT	Dawson	160.657	160.976	0.319	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	0.013	0.319	0.182	0.000	0.000	0.280	0.013	0.000	0.013
Steele City	MT	Dawson	160.976	161.062	0.086	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.001	0.052	0.049	0.000	0.000	0.049	0.001	0.000	0.001
Steele City	MT	Dawson	161.062	161.091	0.029	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.028	0.028	0.000	0.000	0.028	0.001	0.000	0.001
Steele City	MT	Dawson	161.091	161.126	0.035	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.000	0.021	0.020	0.000	0.000	0.020	0.000	0.000	0.000
Steele City	MT	Dawson	161.126	161.262	0.136	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.129	0.129	0.000	0.000	0.129	0.003	0.000	0.003
Steele City	MT	Dawson	161.262	161.352	0.090	MT021	Kremlin loam, 2 to 4 percent slopes	0.000	0.000	0.087	0.090	0.000	0.090	0.005	0.000	0.000
Steele City	MT	Dawson	161.352	161.627	0.275	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.269	0.000	0.000	0.261	0.005	0.000	0.005
Steele City	MT	Dawson	161.627	161.702	0.076	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	0.003	0.076	0.043	0.000	0.000	0.066	0.003	0.000	0.003
Steele City	MT	Dawson	161.702	161.969	0.267	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.261	0.000	0.000	0.253	0.005	0.000	0.005
Steele City	MT	Dawson	161.969	162.057	0.088	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.000	0.088	0.084	0.000	0.000	0.085	0.082	0.000	0.003
Steele City	MT	Dawson	162.057	162.346	0.290	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.284	0.000	0.000	0.275	0.006	0.000	0.006
Steele City	MT	Dawson	162.346	162.378	0.032	MT021	Attewan loam, 4 to 8 percent slopes	0.000	0.000	0.000	0.032	0.000	0.030	0.032	0.027	0.032
Steele City	MT	Dawson	162.378	162.432	0.054	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.053	0.000	0.000	0.051	0.001	0.000	0.001
Steele City	MT	Dawson	162.432	162.506	0.074	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.000	0.074	0.070	0.000	0.000	0.072	0.069	0.000	0.002
Steele City	MT	Dawson	162.506	162.666	0.160	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.157	0.000	0.000	0.152	0.003	0.000	0.003
Steele City	MT	Dawson	162.666	162.764	0.098	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.000	0.098	0.093	0.000	0.000	0.095	0.091	0.000	0.003
Steele City	MT	Dawson	162.764	163.085	0.321	MT021	Attewan loam, 2 to 4 percent slopes	0.000	0.000	0.000	0.321	0.000	0.308	0.321	0.272	0.305
Steele City	MT	Dawson	163.085	163.100	0.015	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.000	0.015	0.015	0.000	0.000	0.015	0.014	0.000	0.000
Steele City	MT	Dawson	163.100	163.211	0.111	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.003	0.000	0.043	0.000	0.006	0.074	0.001	0.000	0.037
Steele City	MT	Dawson	163.211	163.536	0.325	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.318	0.000	0.000	0.309	0.006	0.000	0.006
Steele City	MT	Dawson	163.536	163.676	0.140	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.133	0.133	0.000	0.000	0.133	0.003	0.000	0.003

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	Dawson	163.676	164.248	0.572	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.561	0.000	0.000	0.544	0.011	0.000	0.011
Steele City	MT	Dawson	164.248	164.382	0.134	MT021	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.123	0.126	0.000	0.000	0.125	0.000	0.000	0.004
Steele City	MT	Dawson	164.382	164.475	0.093	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.091	0.000	0.000	0.088	0.002	0.000	0.002
Steele City	MT	Dawson	164.475	164.537	0.062	MT021	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.057	0.058	0.000	0.000	0.057	0.000	0.000	0.002
Steele City	MT	Dawson	164.537	165.187	0.650	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.637	0.000	0.000	0.618	0.013	0.000	0.013
Steele City	MT	Dawson	165.187	165.264	0.077	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.073	0.073	0.000	0.000	0.073	0.002	0.000	0.002
Steele City	MT	Dawson	165.264	165.754	0.490	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.480	0.000	0.000	0.465	0.010	0.000	0.010
Steele City	MT	Dawson	165.754	166.099	0.345	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	0.000	0.000	0.311	0.000	0.000	0.190	0.328	0.000	0.155
Steele City	MT	Dawson	166.099	166.333	0.234	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.007	0.000	0.091	0.000	0.012	0.157	0.002	0.000	0.077
Steele City	MT	Dawson	166.333	166.360	0.026	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.025	0.025	0.000	0.000	0.025	0.001	0.000	0.001
Steele City	MT	Dawson	166.360	166.409	0.050	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.001	0.000	0.019	0.000	0.002	0.033	0.000	0.000	0.016
Steele City	MT	Dawson	166.409	166.680	0.271	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.258	0.258	0.000	0.000	0.258	0.005	0.000	0.005
Steele City	MT	Dawson	166.680	167.792	1.112	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	1.090	0.000	0.000	1.056	0.022	0.000	0.022
Steele City	MT	Dawson	167.792	168.439	0.647	MT021	Lonna silt loam, 2 to 4 percent slopes	0.000	0.000	0.647	0.000	0.000	0.647	0.013	0.000	0.000
Steele City	MT	Dawson	168.439	168.702	0.263	MT021	Subwell-Bigsheep complex, 4 to 15 percent slopes	0.000	0.100	0.184	0.000	0.000	0.131	0.231	0.000	0.131
Steele City	MT	Dawson	168.702	168.783	0.081	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	0.000	0.000	0.073	0.000	0.000	0.045	0.077	0.000	0.037
Steele City	MT	Dawson	168.783	169.065	0.283	MT021	Lonna silt loam, 2 to 4 percent slopes	0.000	0.000	0.283	0.000	0.000	0.283	0.006	0.000	0.000
Steele City	MT	Dawson	169.065	169.268	0.202	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.198	0.000	0.000	0.192	0.004	0.000	0.004
Steele City	MT	Dawson	169.268	169.422	0.154	MT021	Kremlin loam, 2 to 4 percent slopes	0.000	0.000	0.148	0.154	0.000	0.154	0.008	0.000	0.000
Steele City	MT	Dawson	169.422	169.787	0.366	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.358	0.000	0.000	0.347	0.007	0.000	0.007
Steele City	MT	Dawson	169.787	169.829	0.042	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.040	0.040	0.000	0.000	0.040	0.001	0.000	0.001
Steele City	MT	Dawson	169.829	169.869	0.039	MT021	Kremlin loam, 2 to 4 percent slopes	0.000	0.000	0.038	0.039	0.000	0.039	0.002	0.000	0.000
Steele City	MT	Dawson	169.869	170.026	0.157	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.149	0.149	0.000	0.000	0.149	0.003	0.000	0.003
Steele City	MT	Dawson	170.026	171.243	1.217	MT021	Lonna silt loam, 2 to 4 percent slopes	0.000	0.000	1.217	0.000	0.000	1.217	0.024	0.000	0.000
Steele City	MT	Dawson	171.243	171.332	0.089	MT021	Lonna silt loam, 0 to 2 percent slopes	0.000	0.000	0.089	0.000	0.000	0.089	0.000	0.000	0.000
Steele City	MT	Dawson	171.332	172.217	0.885	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.867	0.000	0.000	0.840	0.018	0.000	0.018
Steele City	MT	Dawson	172.217	172.404	0.187	MT021	Lonna silt loam, 2 to 4 percent slopes	0.000	0.000	0.187	0.000	0.000	0.187	0.004	0.000	0.000
Steele City	MT	Dawson	172.404	172.642	0.238	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.233	0.000	0.000	0.226	0.005	0.000	0.005
Steele City	MT	Dawson	172.642	172.745	0.104	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.099	0.099	0.000	0.000	0.099	0.002	0.000	0.002
Steele City	MT	Dawson	172.745	174.224	1.479	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	1.449	0.000	0.000	1.405	0.030	0.000	0.030
Steele City	MT	Dawson	174.224	174.275	0.051	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.048	0.048	0.000	0.000	0.048	0.001	0.000	0.001
Steele City	MT	Dawson	174.275	174.296	0.021	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.021	0.000	0.000	0.020	0.000	0.000	0.000
Steele City	MT	Dawson	174.296	174.346	0.050	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.047	0.047	0.000	0.000	0.047	0.001	0.000	0.001
Steele City	MT	Dawson	174.346	174.427	0.082	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.080	0.000	0.000	0.078	0.002	0.000	0.002
Steele City	MT	Dawson	174.427	174.581	0.154	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.146	0.146	0.000	0.000	0.146	0.003	0.000	0.003
Steele City	MT	Dawson	174.581	174.801	0.220	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.216	0.000	0.000	0.209	0.004	0.000	0.004
Steele City	MT	Dawson	174.801	175.141	0.339	MT021	Lonna silt loam, 2 to 4 percent slopes	0.000	0.000	0.339	0.000	0.000	0.339	0.007	0.000	0.000
Steele City	MT	Dawson	175.141	175.180	0.039	MT021	Lonna silt loam, 0 to 2 percent slopes	0.000	0.000	0.039	0.000	0.000	0.039	0.000	0.000	0.000
Steele City	MT	Dawson	175.180	175.359	0.179	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.005	0.000	0.070	0.000	0.009	0.120	0.002	0.000	0.059
Steele City	MT	Dawson	175.359	175.596	0.238	MT021	Lonna silt loam, 0 to 2 percent slopes	0.000	0.000	0.238	0.000	0.000	0.238	0.000	0.000	0.000
Steele City	MT	Dawson	175.596	175.615	0.019	MT021	Lonna silt loam, 2 to 4 percent slopes	0.000	0.000	0.019	0.000	0.000	0.019	0.000	0.000	0.000
Steele City	MT	Dawson	175.615	175.621	0.006	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.000	0.000	0.002	0.000	0.000	0.004	0.000	0.000	0.002
Steele City	MT	Dawson	175.621	175.770	0.149	MT021	Lonna silt loam, 2 to 4 percent slopes	0.000	0.000	0.149	0.000	0.000	0.149	0.003	0.000	0.000
Steele City	MT	Dawson	175.770	176.196	0.425	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.417	0.000	0.000	0.404	0.009	0.000	0.009
Steele City	MT	Dawson	176.196	176.386	0.191	MT021	Lonna silt loam, 2 to 4 percent slopes	0.000	0.000	0.191	0.000	0.000	0.191	0.004	0.000	0.000
Steele City	MT	Dawson	176.386	176.417	0.030	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.029	0.029	0.000	0.000	0.029	0.001	0.000	0.001
Steele City	MT	Dawson	176.417	176.477	0.061	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.059	0.000	0.000	0.058	0.001	0.000	0.001
Steele City	MT	Dawson	176.477	176.893	0.416	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.395	0.395	0.000	0.000	0.395	0.008	0.000	0.008
Steele City	MT	Dawson	176.893	177.231	0.339	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.332	0.000	0.000	0.322	0.007	0.000	0.007
Steele City	MT	Dawson	177.231	177.333	0.101	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.001	0.061	0.058	0.000	0.000	0.058	0.001	0.000	0.001
Steele City	MT	Dawson	177.333	177.542	0.209	MT021	Lonna silt loam, 0 to 2 percent slopes	0.000	0.000	0.209	0.000	0.000	0.209	0.000	0.000	0.000
Steele City	MT	Dawson	177.542	177.596	0.054	MT021	Lonna silt loam, 2 to 4 percent slopes	0.000	0.000	0.054	0.000	0.000	0.054	0.001	0.000	0.000
Steele City	MT	Dawson	177.596	177.890	0.294	MT021	Lonna silt loam, 0 to 2 percent slopes	0.000	0.000	0.294	0.000	0.000	0.294	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	Dawson	177.890	178.056	0.167	MT021	Lonna silt loam, 2 to 4 percent slopes	0.000	0.000	0.167	0.000	0.000	0.167	0.003	0.000	0.000
Steele City	MT	Dawson	178.056	178.139	0.083	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.079	0.079	0.000	0.000	0.079	0.002	0.000	0.002
Steele City	MT	Dawson	178.139	178.413	0.274	MT021	Lonna silt loam, 2 to 4 percent slopes	0.000	0.000	0.274	0.000	0.000	0.274	0.005	0.000	0.000
Steele City	MT	Dawson	178.413	178.922	0.509	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.499	0.000	0.000	0.483	0.010	0.000	0.010
Steele City	MT	Dawson	178.922	178.956	0.034	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.032	0.032	0.000	0.000	0.032	0.001	0.000	0.001
Steele City	MT	Dawson	178.956	179.028	0.071	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.000	0.071	0.068	0.000	0.000	0.069	0.066	0.000	0.002
Steele City	MT	Dawson	179.028	179.055	0.028	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.026	0.026	0.000	0.000	0.026	0.001	0.000	0.001
Steele City	MT	Dawson	179.055	179.639	0.584	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.000	0.584	0.554	0.000	0.000	0.566	0.543	0.000	0.018
Steele City	MT	Dawson	179.639	179.997	0.358	MT021	Lonna silt loam, 2 to 4 percent slopes	0.000	0.000	0.358	0.000	0.000	0.358	0.007	0.000	0.000
Steele City	MT	Dawson	179.997	180.088	0.091	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.089	0.000	0.000	0.086	0.002	0.000	0.002
Steele City	MT	Dawson	180.088	180.296	0.208	MT021	Lonna silt loam, 2 to 4 percent slopes	0.000	0.000	0.208	0.000	0.000	0.208	0.004	0.000	0.000
Steele City	MT	Dawson	180.296	180.592	0.295	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.280	0.280	0.000	0.000	0.280	0.006	0.000	0.006
Steele City	MT	Dawson	180.592	180.938	0.346	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.000	0.346	0.329	0.000	0.000	0.336	0.322	0.000	0.010
Steele City	MT	Dawson	180.938	181.573	0.635	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.032	0.571	0.190	0.000	0.000	0.222	0.571	0.032	0.413
Steele City	MT	Dawson	181.573	181.584	0.012	MT021	Kremlin loam, 4 to 8 percent slopes	0.000	0.000	0.011	0.012	0.000	0.011	0.000	0.000	0.000
Steele City	MT	Dawson	181.584	182.056	0.472	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.024	0.425	0.142	0.000	0.000	0.165	0.425	0.024	0.307
Steele City	MT	Dawson	182.056	182.175	0.119	MT021	Kremlin loam, 4 to 8 percent slopes	0.000	0.005	0.116	0.119	0.000	0.116	0.002	0.000	0.002
Steele City	MT	Dawson	182.175	182.212	0.037	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.000	0.000	0.028	0.037	0.000	0.037	0.011	0.000	0.000
Steele City	MT	Dawson	182.212	182.342	0.129	MT021	Kremlin loam, 4 to 8 percent slopes	0.000	0.005	0.127	0.129	0.000	0.127	0.003	0.000	0.003
Steele City	MT	Dawson	182.342	183.606	1.265	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.000	0.000	0.949	1.265	0.000	1.265	0.379	0.000	0.000
Steele City	MT	Dawson	183.606	183.706	0.099	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.003	0.000	0.000	0.000	0.000	0.048	0.052	0.045	0.052
Steele City	MT	Dawson	183.706	183.734	0.028	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.000	0.000	0.021	0.028	0.000	0.028	0.008	0.000	0.000
Steele City	MT	Dawson	183.734	183.873	0.139	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.004	0.000	0.000	0.000	0.000	0.067	0.072	0.063	0.072
Steele City	MT	Dawson	183.873	183.996	0.123	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.000	0.000	0.092	0.123	0.000	0.123	0.037	0.000	0.000
Steele City	MT	Dawson	183.996	184.067	0.071	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.002	0.000	0.000	0.000	0.000	0.034	0.037	0.032	0.037
Steele City	MT	Dawson	184.067	184.505	0.438	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.000	0.000	0.328	0.438	0.000	0.438	0.131	0.000	0.000
Steele City	MT	Dawson	184.505	184.639	0.134	MT021	Attewan loam, 2 to 4 percent slopes	0.000	0.000	0.000	0.134	0.000	0.129	0.134	0.114	0.127
Steele City	MT	Dawson	184.639	185.103	0.464	MT021	Attewan, thin solum complex, 4 to 15 percent slopes	0.000	0.037	0.037	0.000	0.000	0.441	0.427	0.023	0.394
Steele City	MT	Dawson	185.103	185.562	0.459	MT021	Subwell-Bigsheep complex, 4 to 15 percent slopes	0.000	0.174	0.321	0.000	0.000	0.229	0.404	0.000	0.229
Steele City	MT	Dawson	185.562	185.706	0.144	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	0.000	0.000	0.129	0.000	0.000	0.079	0.136	0.000	0.065
Steele City	MT	Dawson	185.706	185.828	0.123	MT021	Subwell-Bigsheep complex, 4 to 15 percent slopes	0.000	0.047	0.086	0.000	0.000	0.061	0.108	0.000	0.061
Steele City	MT	Dawson	185.828	186.005	0.176	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	0.000	0.000	0.159	0.000	0.000	0.097	0.168	0.000	0.079
Steele City	MT	Dawson	186.005	186.253	0.249	MT021	Kremlin loam, 4 to 8 percent slopes	0.000	0.010	0.244	0.249	0.000	0.244	0.005	0.000	0.005
Steele City	MT	Dawson	186.253	187.054	0.800	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	0.000	0.000	0.720	0.000	0.000	0.440	0.760	0.000	0.360
Steele City	MT	Dawson	187.054	187.216	0.163	MT021	Attewan loam, 2 to 4 percent slopes	0.000	0.000	0.000	0.163	0.000	0.156	0.163	0.138	0.154
Steele City	MT	Dawson	187.216	187.275	0.058	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	0.000	0.000	0.053	0.000	0.000	0.032	0.055	0.000	0.026
Steele City	MT	Dawson	187.275	187.341	0.066	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.003	0.060	0.020	0.000	0.000	0.023	0.060	0.003	0.043
Steele City	MT	Dawson	187.341	187.710	0.369	MT021	Attewan loam, 2 to 4 percent slopes	0.000	0.000	0.000	0.369	0.000	0.355	0.369	0.314	0.351
Steele City	MT	Dawson	187.710	187.820	0.110	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.006	0.099	0.033	0.000	0.000	0.039	0.099	0.006	0.072
Steele City	MT	Dawson	187.820	187.864	0.043	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.001	0.000	0.000	0.000	0.000	0.021	0.023	0.020	0.023
Steele City	MT	Dawson	187.864	188.070	0.206	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	0.000	0.000	0.006	0.000	0.000	0.200	0.200	0.114	0.192
Steele City	MT	Dawson	188.070	188.198	0.128	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.004	0.000	0.050	0.000	0.006	0.086	0.001	0.000	0.042
Steele City	MT	Dawson	188.198	188.265	0.067	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	0.000	0.000	0.002	0.000	0.000	0.065	0.065	0.037	0.063
Steele City	MT	Dawson	188.265	188.340	0.074	MT021	Kremlin loam, 4 to 8 percent slopes	0.000	0.003	0.073	0.074	0.000	0.073	0.001	0.000	0.001
Steele City	MT	Dawson	188.340	188.449	0.109	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	0.000	0.000	0.003	0.000	0.000	0.106	0.106	0.060	0.101
Steele City	MT	Dawson	188.449	188.515	0.066	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.002	0.000	0.000	0.000	0.000	0.032	0.035	0.030	0.035
Steele City	MT	Dawson	188.515	188.843	0.328	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.000	0.000	0.246	0.328	0.000	0.328	0.099	0.000	0.000
Steele City	MT	Dawson	188.843	189.165	0.322	MT021	Attewan loam, 2 to 4 percent slopes	0.000	0.000	0.000	0.322	0.000	0.309	0.322	0.274	0.306
Steele City	MT	Dawson	189.165	189.183	0.018	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	0.000	0.000	0.001	0.000	0.000	0.017	0.017	0.010	0.016
Steele City	MT	Dawson	189.183	189.293	0.110	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.003	0.000	0.000	0.000	0.000	0.053	0.057	0.050	0.057
Steele City	MT	Dawson	189.293	189.406	0.113	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.000	0.000	0.085	0.113	0.000	0.113	0.034	0.000	0.000
Steele City	MT	Dawson	189.406	189.461	0.054	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.002	0.000	0.000	0.000	0.000	0.026	0.028	0.024	0.028
Steele City	MT	Dawson	189.461	189.611	0.150	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.000	0.000	0.113	0.150	0.000	0.150	0.045	0.000	0.000
Steele City	MT	Dawson	189.611	189.790	0.179	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.005	0.000	0.000	0.000	0.000	0.086	0.093	0.080	0.093
Steele City	MT	Dawson	189.790	189.832	0.043	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	0.000	0.000	0.001	0.000	0.000	0.042	0.042	0.024	0.040
Steele City	MT	Dawson	189.832	189.914	0.081	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.002	0.000	0.000	0.000	0.000	0.039	0.042	0.037	0.042

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	Dawson	189.914	189.944	0.030	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	0.000	0.000	0.001	0.000	0.000	0.030	0.030	0.017	0.028
Steele City	MT	Dawson	189.944	190.303	0.359	MT021	Attewan loam, 2 to 4 percent slopes	0.000	0.000	0.000	0.359	0.000	0.345	0.359	0.305	0.341
Steele City	MT	Dawson	190.303	190.862	0.559	MT021	Chinook fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.028	0.559	0.000	0.056	0.028	0.028	0.531
Steele City	MT	Dawson	190.862	191.407	0.545	MT021	Kremlin loam, 4 to 8 percent slopes	0.000	0.022	0.534	0.545	0.000	0.534	0.011	0.000	0.011
Steele City	MT	Dawson	191.407	192.038	0.632	MT021	Attewan loam, 2 to 4 percent slopes	0.000	0.000	0.000	0.632	0.000	0.606	0.632	0.537	0.600
Steele City	MT	Dawson	192.038	192.651	0.612	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.031	0.551	0.184	0.000	0.000	0.214	0.551	0.031	0.398
Steele City	MT	Dawson	192.651	192.767	0.116	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	0.040	0.104	0.062	0.000	0.000	0.064	0.000	0.000	0.045
Steele City	MT	Dawson	192.767	192.844	0.078	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	0.027	0.075	0.048	0.000	0.000	0.002	0.000	0.000	0.029
Steele City	MT	Dawson	192.844	192.850	0.005	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	0.002	0.005	0.003	0.000	0.000	0.003	0.000	0.000	0.002
Steele City	MT	Dawson	192.850	192.898	0.049	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	0.017	0.047	0.030	0.000	0.000	0.001	0.000	0.000	0.018
Steele City	MT	Dawson	192.898	192.945	0.047	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	0.016	0.042	0.025	0.000	0.000	0.026	0.000	0.000	0.018
Steele City	MT	Dawson	192.945	193.157	0.212	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	0.074	0.205	0.131	0.000	0.000	0.004	0.000	0.000	0.078
Steele City	MT	Dawson	193.157	193.206	0.049	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	0.017	0.044	0.027	0.000	0.000	0.027	0.000	0.000	0.019
Steele City	MT	Dawson	193.206	193.573	0.367	MT021	Twilight-Yetull complex, 2 to 8 percent slopes	0.129	0.000	0.228	0.000	0.000	0.007	0.000	0.000	0.140
Steele City	MT	Dawson	193.573	193.659	0.085	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.004	0.077	0.026	0.000	0.000	0.030	0.077	0.004	0.056
Steele City	MT	Dawson	193.659	193.664	0.005	MT021	Glendive loam, 0 to 2 percent slopes, occasionally flooded	0.000	0.000	0.000	0.005	0.000	0.001	0.000	0.000	0.004
Steele City	MT	Dawson	193.664	194.254	0.590	MT021	Cherry silty clay loam, noncalcareous, 0 to 2 percent slopes	0.000	0.000	0.549	0.000	0.000	0.590	0.000	0.000	0.000
Steele City	MT	Dawson	194.254	194.262	0.008	MT021	Glendive loam, 0 to 2 percent slopes, occasionally flooded	0.000	0.000	0.000	0.008	0.000	0.001	0.000	0.000	0.007
Steele City	MT	Dawson	194.262	194.552	0.290	MT021	Glendive fine sandy loam, 0 to 2 percent slopes, occasionally flooded	0.012	0.000	0.020	0.290	0.000	0.032	0.000	0.000	0.258
Steele City	MT	Dawson	194.552	194.653	0.102	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.000	0.102	0.097	0.000	0.000	0.099	0.095	0.000	0.003
Steele City	MT	Dawson	194.653	194.751	0.098	MT021	Terrace escarpments	0.000	0.098	0.000	0.000	0.000	0.000	0.098	0.000	0.098
Steele City	MT	Dawson	194.751	194.987	0.236	MT021	Saline land	0.000	0.000	0.236	0.000	0.236	0.236	0.000	0.000	0.000
Steele City	MT	Dawson	194.987	195.013	0.026	MT021	Havre silt loam, 0 to 2 percent slopes	0.000	0.000	0.001	0.026	0.000	0.025	0.000	0.000	0.001
Steele City	MT	Dawson	195.013	195.302	0.289	MT021	Glendive loam, 0 to 2 percent slopes, occasionally flooded	0.000	0.000	0.012	0.289	0.000	0.043	0.000	0.000	0.246
Steele City	MT	Dawson	195.302	195.643	0.341	MT021	Havre silt loam, 0 to 2 percent slopes	0.000	0.000	0.014	0.341	0.000	0.331	0.000	0.000	0.010
Steele City	MT	Dawson	195.643	195.682	0.040	MT021	Hanly soils, 0 to 4 percent slopes, occasionally flooded	0.012	0.000	0.012	0.000	0.000	0.002	0.000	0.000	0.014
Steele City	MT	Dawson	195.682	195.721	0.038	MT021	Glendive loam, 0 to 2 percent slopes, occasionally flooded	0.000	0.000	0.002	0.038	0.000	0.006	0.000	0.000	0.032
Steele City	MT	Dawson	195.721	195.910	0.189	MT021	Hanly soils, 0 to 4 percent slopes, occasionally flooded	0.057	0.000	0.057	0.000	0.000	0.008	0.000	0.000	0.064
Steele City	MT	Dawson	195.910	195.936	0.026	MT021	Riverwash	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.001
Steele City	MT	Dawson	195.936	196.052	0.116	MT021	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	MT	Dawson	196.052	196.215	0.163	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	0.007	0.163	0.093	0.000	0.000	0.143	0.007	0.000	0.007
Steele City	MT	Dawson	196.215	196.290	0.075	MT021	Lonna silt loam, 0 to 2 percent slopes	0.000	0.000	0.075	0.000	0.000	0.075	0.000	0.000	0.000
Steele City	MT	Dawson	196.290	196.356	0.066	MT021	Lonna silt loam, 2 to 8 percent slopes	0.000	0.004	0.066	0.000	0.000	0.064	0.000	0.000	0.001
Steele City	MT	Dawson	196.356	196.477	0.121	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	0.005	0.121	0.069	0.000	0.000	0.106	0.005	0.000	0.005
Steele City	MT	Dawson	196.477	196.779	0.302	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.003	0.181	0.172	0.000	0.000	0.172	0.003	0.000	0.003
Steele City	MT	Dawson	196.779	197.009	0.231	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.012	0.208	0.069	0.000	0.000	0.081	0.208	0.012	0.150
Steele City	MT	Prairie	197.009	197.040	0.030	MT079	Lihen-Tinsley complex, 8 to 35 percent slopes	0.015	0.027	0.005	0.000	0.000	0.003	0.014	0.002	0.029
Steele City	MT	Prairie	197.040	197.082	0.043	MT079	Lihen loamy sand, 4 to 15 percent slopes	0.036	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.040
Steele City	MT	Prairie	197.082	197.147	0.065	MT079	Lihen-Yetull complex, 8 to 35 percent slopes	0.055	0.059	0.016	0.000	0.000	0.000	0.020	0.000	0.062
Steele City	MT	Prairie	197.147	197.374	0.227	MT079	Lihen loamy sand, 4 to 15 percent slopes	0.193	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.216
Steele City	MT	Prairie	197.374	197.536	0.162	MT079	Lihen-Yetull complex, 8 to 35 percent slopes	0.138	0.146	0.040	0.000	0.000	0.000	0.049	0.000	0.154
Steele City	MT	Prairie	197.536	197.631	0.095	MT079	Degrand loam, 0 to 4 percent slopes	0.000	0.000	0.005	0.095	0.000	0.086	0.081	0.081	0.086
Steele City	MT	Prairie	197.631	197.648	0.017	MT079	Lihen-Yetull complex, 8 to 35 percent slopes	0.014	0.015	0.004	0.000	0.000	0.000	0.005	0.000	0.016
Steele City	MT	Prairie	197.648	197.890	0.242	MT079	Degrand loam, 0 to 4 percent slopes	0.000	0.000	0.012	0.242	0.000	0.218	0.205	0.205	0.218
Steele City	MT	Prairie	197.890	198.046	0.156	MT079	Lihen-Parshall-Yetull complex, 4 to 15 percent slopes	0.086	0.000	0.023	0.000	0.000	0.000	0.039	0.000	0.140
Steele City	MT	Prairie	198.046	198.134	0.088	MT079	Lihen-Yetull complex, 8 to 35 percent slopes	0.075	0.079	0.022	0.000	0.000	0.000	0.026	0.000	0.084
Steele City	MT	Prairie	198.134	198.248	0.114	MT079	Lihen-Parshall-Yetull complex, 4 to 15 percent slopes	0.063	0.000	0.017	0.000	0.000	0.000	0.028	0.000	0.102
Steele City	MT	Prairie	198.248	198.314	0.067	MT079	Degrand loam, 0 to 4 percent slopes	0.000	0.000	0.003	0.067	0.000	0.060	0.057	0.057	0.060
Steele City	MT	Prairie	198.314	198.353	0.039	MT079	Lihen-Yetull complex, 8 to 35 percent slopes	0.033	0.035	0.010	0.000	0.000	0.000	0.012	0.000	0.037
Steele City	MT	Prairie	198.353	199.470	1.117	MT079	Degrand loam, 0 to 4 percent slopes	0.000	0.000	0.056	1.117	0.000	1.005	0.949	0.949	1.005
Steele City	MT	Prairie	199.470	199.606	0.136	MT079	Lihen loamy sand, 4 to 15 percent slopes	0.115	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.129
Steele City	MT	Prairie	199.606	199.762	0.156	MT079	Lihen-Tinsley complex, 8 to 35 percent slopes	0.078	0.141	0.023	0.000	0.000	0.016	0.070	0.008	0.149
Steele City	MT	Prairie	199.762	199.999	0.236	MT079	Busby-Twilight-Blackhall fine sandy loams, 4 to 15 percent slopes	0.012	0.118	0.177	0.000	0.000	0.012	0.000	0.000	0.118
Steele City	MT	Prairie	199.999	200.553	0.555	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.544	0.000	0.000	0.527	0.011	0.000	0.011
Steele City	MT	Prairie	200.553	200.586	0.033	MT079	Lihen loamy sand, 4 to 15 percent slopes	0.028	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.031
Steele City	MT	Prairie	200.586	200.925	0.339	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.332	0.000	0.000	0.322	0.007	0.000	0.007

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	Prairie	200.925	200.950	0.025	MT079	Yawdim-Cambeth, calcareous, complex, 2 to 8 percent slopes	0.000	0.002	0.011	0.000	0.000	0.025	0.000	0.000	0.000
Steele City	MT	Prairie	200.950	201.081	0.131	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.129	0.000	0.000	0.125	0.003	0.000	0.003
Steele City	MT	Prairie	201.081	201.254	0.173	MT079	Lihen-Parshall-Yetull complex, 4 to 15 percent slopes	0.095	0.000	0.026	0.000	0.000	0.000	0.043	0.000	0.156
Steele City	MT	Prairie	201.254	201.339	0.085	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.083	0.000	0.000	0.080	0.002	0.000	0.002
Steele City	MT	Prairie	201.339	201.408	0.069	MT079	Kremlin loam, 0 to 2 percent slopes	0.000	0.000	0.066	0.069	0.000	0.066	0.002	0.002	0.005
Steele City	MT	Prairie	201.408	201.481	0.074	MT079	Glendive fine sandy loam, 0 to 2 percent slopes	0.003	0.000	0.008	0.074	0.000	0.006	0.002	0.000	0.005
Steele City	MT	Prairie	201.481	201.719	0.237	MT079	Busby fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.237	0.237	0.000	0.036	0.000	0.000	0.202
Steele City	MT	Prairie	201.719	201.908	0.189	MT079	Busby fine sandy loam, 2 to 8 percent slopes	0.009	0.000	0.019	0.189	0.000	0.009	0.000	0.000	0.009
Steele City	MT	Prairie	201.908	201.954	0.046	MT079	Busby fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.046	0.046	0.000	0.007	0.000	0.000	0.039
Steele City	MT	Prairie	201.954	202.306	0.352	MT079	Glendive fine sandy loam, 0 to 2 percent slopes	0.014	0.000	0.039	0.352	0.000	0.028	0.011	0.000	0.025
Steele City	MT	Prairie	202.306	202.373	0.067	MT079	Yamac loam, 0 to 2 percent slopes	0.000	0.000	0.007	0.067	0.000	0.064	0.000	0.000	0.000
Steele City	MT	Prairie	202.373	202.534	0.161	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.010	0.161	0.000	0.000	0.157	0.000	0.000	0.003
Steele City	MT	Prairie	202.534	202.560	0.027	MT079	Floweree silt loam, calcareous, 0 to 2 percent slopes	0.000	0.000	0.004	0.027	0.000	0.027	0.000	0.000	0.000
Steele City	MT	Prairie	202.560	202.687	0.127	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.008	0.127	0.000	0.000	0.124	0.000	0.000	0.003
Steele City	MT	Prairie	202.687	202.832	0.145	MT079	Floweree silt loam, calcareous, 0 to 2 percent slopes	0.000	0.000	0.022	0.145	0.000	0.145	0.000	0.000	0.000
Steele City	MT	Prairie	202.832	203.203	0.371	MT079	Yamac loam, 0 to 2 percent slopes	0.000	0.000	0.037	0.371	0.000	0.353	0.000	0.000	0.000
Steele City	MT	Prairie	203.203	203.783	0.580	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.035	0.580	0.000	0.000	0.568	0.000	0.000	0.012
Steele City	MT	Prairie	203.783	204.076	0.293	MT079	Busby-Twilight-Blackhall fine sandy loams, 4 to 15 percent slopes	0.015	0.147	0.220	0.000	0.000	0.015	0.000	0.000	0.147
Steele City	MT	Prairie	204.076	204.239	0.162	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.154	0.154	0.000	0.000	0.154	0.003	0.000	0.003
Steele City	MT	Prairie	204.239	204.278	0.039	MT079	Chinook-Kremlin complex, 2 to 6 percent slopes	0.000	0.000	0.018	0.039	0.000	0.017	0.000	0.000	0.000
Steele City	MT	Prairie	204.278	204.688	0.410	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.025	0.410	0.000	0.000	0.402	0.000	0.000	0.008
Steele City	MT	Prairie	204.688	204.806	0.118	MT079	Delpoint-Busby-Blackhall complex, 4 to 15 percent slopes	0.006	0.082	0.053	0.000	0.000	0.047	0.000	0.000	0.006
Steele City	MT	Prairie	204.806	205.075	0.270	MT079	Degrand loam, 0 to 4 percent slopes	0.000	0.000	0.013	0.270	0.000	0.243	0.229	0.229	0.243
Steele City	MT	Prairie	205.075	205.191	0.116	MT079	Chinook-Twilight-Blackhall fine sandy loams, 8 to 15 percent slopes	0.000	0.009	0.034	0.000	0.000	0.009	0.000	0.000	0.000
Steele City	MT	Prairie	205.191	205.305	0.114	MT079	Kremlin loam, 2 to 8 percent slopes	0.000	0.000	0.011	0.114	0.000	0.108	0.000	0.000	0.000
Steele City	MT	Prairie	205.305	205.353	0.048	MT079	Lonna silt loam, 0 to 2 percent slopes	0.000	0.000	0.048	0.000	0.000	0.048	0.000	0.000	0.000
Steele City	MT	Prairie	205.353	205.563	0.211	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.206	0.000	0.000	0.200	0.004	0.000	0.004
Steele City	MT	Prairie	205.563	205.588	0.025	MT079	Parshall fine sandy loam, 2 to 6 percent slopes	0.001	0.000	0.001	0.025	0.000	0.001	0.001	0.000	0.024
Steele City	MT	Prairie	205.588	205.691	0.103	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.101	0.000	0.000	0.098	0.002	0.000	0.002
Steele City	MT	Prairie	205.691	205.927	0.236	MT079	Lonna silt loam, 0 to 2 percent slopes	0.000	0.000	0.236	0.000	0.000	0.236	0.000	0.000	0.000
Steele City	MT	Prairie	205.927	205.989	0.062	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.061	0.000	0.000	0.059	0.001	0.000	0.001
Steele City	MT	Prairie	205.989	206.210	0.221	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.210	0.210	0.000	0.000	0.210	0.004	0.000	0.004
Steele City	MT	Prairie	206.210	206.262	0.053	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.003	0.053	0.000	0.000	0.051	0.000	0.000	0.001
Steele City	MT	Prairie	206.262	206.527	0.264	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.251	0.251	0.000	0.000	0.251	0.005	0.000	0.005
Steele City	MT	Prairie	206.527	206.595	0.068	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.004	0.068	0.000	0.000	0.067	0.000	0.000	0.001
Steele City	MT	Prairie	206.595	206.665	0.070	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.066	0.066	0.000	0.000	0.066	0.001	0.000	0.001
Steele City	MT	Prairie	206.665	206.820	0.156	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.143	0.146	0.000	0.000	0.145	0.000	0.000	0.005
Steele City	MT	Prairie	206.820	206.945	0.124	MT079	Cambeth, calcareous-Cabbart-Yawdim complex, 4 to 25 percent slopes	0.000	0.121	0.096	0.000	0.000	0.121	0.000	0.000	0.000
Steele City	MT	Prairie	206.945	207.398	0.453	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.417	0.426	0.000	0.000	0.422	0.000	0.000	0.014
Steele City	MT	Prairie	207.398	207.679	0.281	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.267	0.267	0.000	0.000	0.267	0.006	0.000	0.006
Steele City	MT	Prairie	207.679	207.746	0.067	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.004	0.067	0.000	0.000	0.066	0.000	0.000	0.001
Steele City	MT	Prairie	207.746	207.920	0.174	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.165	0.165	0.000	0.000	0.165	0.003	0.000	0.003
Steele City	MT	Prairie	207.920	207.932	0.012	MT079	Ustic Torriorthents-Ustic Torrifluvents-Rock outcrop complex, 0 to 35 percent slopes	0.000	0.001	0.001	0.000	0.000	0.001	0.000	0.000	0.000
Steele City	MT	Prairie	207.932	208.034	0.102	MT079	Ismay silty clay loam, 0 to 2 percent slopes	0.000	0.000	0.102	0.000	0.003	0.099	0.000	0.000	0.000
Steele City	MT	Prairie	208.034	208.158	0.124	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.114	0.117	0.000	0.000	0.116	0.000	0.000	0.004
Steele City	MT	Prairie	208.158	208.377	0.219	MT079	Chinook-Twilight-Blackhall fine sandy loams, 8 to 15 percent slopes	0.000	0.018	0.064	0.000	0.000	0.018	0.000	0.000	0.000
Steele City	MT	Prairie	208.377	208.537	0.160	MT079	Chinook-Twilight fine sandy loams, 2 to 8 percent slopes	0.000	0.006	0.073	0.160	0.000	0.016	0.006	0.000	0.000
Steele City	MT	Prairie	208.537	208.613	0.077	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.005	0.077	0.000	0.000	0.075	0.000	0.000	0.002
Steele City	MT	Prairie	208.613	208.668	0.055	MT079	Chinook-Twilight-Blackhall fine sandy loams, 8 to 15 percent slopes	0.000	0.004	0.016	0.000	0.000	0.004	0.000	0.000	0.000
Steele City	MT	Prairie	208.668	208.900	0.231	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.014	0.231	0.000	0.000	0.226	0.000	0.000	0.005
Steele City	MT	Prairie	208.900	208.922	0.023	MT079	Ismay silty clay loam, 0 to 2 percent slopes	0.000	0.000	0.023	0.000	0.001	0.022	0.000	0.000	0.000
Steele City	MT	Prairie	208.922	208.976	0.054	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.003	0.054	0.000	0.000	0.053	0.000	0.000	0.001
Steele City	MT	Prairie	208.976	209.069	0.093	MT079	Ismay silty clay loam, 0 to 2 percent slopes	0.000	0.000	0.093	0.000	0.003	0.091	0.000	0.000	0.000
Steele City	MT	Prairie	209.069	209.189	0.119	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.110	0.112	0.000	0.000	0.111	0.000	0.000	0.004

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	Prairie	209.189	209.297	0.108	MT079	Cambeth, calcareous-Cabbart-Yawdim complex, 4 to 25 percent slopes	0.000	0.105	0.083	0.000	0.000	0.105	0.000	0.000	0.000
Steele City	MT	Prairie	209.297	209.553	0.256	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.235	0.241	0.000	0.000	0.238	0.000	0.000	0.008
Steele City	MT	Prairie	209.553	209.892	0.339	MT079	Cambeth, calcareous-Cabbart-Yawdim complex, 4 to 25 percent slopes	0.000	0.329	0.261	0.000	0.000	0.329	0.000	0.000	0.000
Steele City	MT	Prairie	209.892	210.179	0.287	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.000	0.253	0.215	0.000	0.000	0.218	0.066	0.000	0.000
Steele City	MT	Prairie	210.179	210.475	0.296	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.281	0.281	0.000	0.000	0.281	0.006	0.000	0.006
Steele City	MT	Prairie	210.475	210.868	0.393	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.000	0.346	0.294	0.000	0.000	0.298	0.090	0.000	0.000
Steele City	MT	Prairie	210.868	210.924	0.057	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.052	0.053	0.000	0.000	0.053	0.000	0.000	0.002
Steele City	MT	Prairie	210.924	211.058	0.134	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.000	0.118	0.101	0.000	0.000	0.102	0.031	0.000	0.000
Steele City	MT	Prairie	211.058	211.135	0.076	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.073	0.073	0.000	0.000	0.073	0.002	0.000	0.002
Steele City	MT	Prairie	211.135	211.218	0.083	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.000	0.073	0.062	0.000	0.000	0.063	0.019	0.000	0.000
Steele City	MT	Prairie	211.218	211.269	0.051	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.049	0.049	0.000	0.000	0.049	0.001	0.000	0.001
Steele City	MT	Prairie	211.269	211.345	0.076	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.000	0.067	0.057	0.000	0.000	0.058	0.017	0.000	0.000
Steele City	MT	Prairie	211.345	211.844	0.500	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.460	0.470	0.000	0.000	0.465	0.000	0.000	0.015
Steele City	MT	Prairie	211.844	212.056	0.212	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.201	0.201	0.000	0.000	0.201	0.004	0.000	0.004
Steele City	MT	Prairie	212.056	212.265	0.208	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.192	0.196	0.000	0.000	0.194	0.000	0.000	0.006
Steele City	MT	Prairie	212.265	212.319	0.055	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.052	0.052	0.000	0.000	0.052	0.001	0.000	0.001
Steele City	MT	Prairie	212.319	212.447	0.128	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.117	0.120	0.000	0.000	0.119	0.000	0.000	0.004
Steele City	MT	Prairie	212.447	213.050	0.603	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.573	0.573	0.000	0.000	0.573	0.012	0.000	0.012
Steele City	MT	Prairie	213.050	213.245	0.195	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.000	0.172	0.146	0.000	0.000	0.148	0.045	0.000	0.000
Steele City	MT	Prairie	213.245	213.621	0.377	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.358	0.358	0.000	0.000	0.358	0.008	0.000	0.008
Steele City	MT	Prairie	213.621	213.936	0.315	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.290	0.296	0.000	0.000	0.293	0.000	0.000	0.009
Steele City	MT	Prairie	213.936	213.966	0.029	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.028	0.028	0.000	0.000	0.028	0.001	0.000	0.001
Steele City	MT	Prairie	213.966	214.217	0.252	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.231	0.236	0.000	0.000	0.234	0.000	0.000	0.008
Steele City	MT	Prairie	214.217	214.337	0.120	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.114	0.114	0.000	0.000	0.114	0.002	0.000	0.002
Steele City	MT	Prairie	214.337	214.382	0.046	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.042	0.043	0.000	0.000	0.042	0.000	0.000	0.001
Steele City	MT	Prairie	214.382	214.455	0.073	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.069	0.069	0.000	0.000	0.069	0.001	0.000	0.001
Steele City	MT	Prairie	214.455	214.553	0.098	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.090	0.092	0.000	0.000	0.091	0.000	0.000	0.003
Steele City	MT	Prairie	214.553	214.744	0.190	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.000	0.187	0.000	0.000	0.181	0.004	0.000	0.004
Steele City	MT	Prairie	214.744	214.907	0.163	MT079	Lonna silt loam, 0 to 2 percent slopes	0.000	0.000	0.163	0.000	0.000	0.163	0.000	0.000	0.000
Steele City	MT	Prairie	214.907	215.007	0.100	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.092	0.094	0.000	0.000	0.093	0.000	0.000	0.003
Steele City	MT	Prairie	215.007	215.852	0.845	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.803	0.803	0.000	0.000	0.803	0.017	0.000	0.017
Steele City	MT	Prairie	215.852	216.148	0.296	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.018	0.296	0.000	0.000	0.290	0.000	0.000	0.006
Steele City	MT	Prairie	216.148	216.270	0.122	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.112	0.115	0.000	0.000	0.114	0.000	0.000	0.004
Steele City	MT	Prairie	216.270	216.347	0.077	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.005	0.077	0.000	0.000	0.075	0.000	0.000	0.002
Steele City	MT	Prairie	216.347	216.468	0.121	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.115	0.115	0.000	0.000	0.115	0.002	0.000	0.002
Steele City	MT	Prairie	216.468	216.606	0.138	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.127	0.130	0.000	0.000	0.129	0.000	0.000	0.004
Steele City	MT	Prairie	216.606	217.096	0.490	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.466	0.466	0.000	0.000	0.466	0.010	0.000	0.010
Steele City	MT	Prairie	217.096	217.297	0.201	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.185	0.189	0.000	0.000	0.187	0.000	0.000	0.006
Steele City	MT	Prairie	217.297	217.367	0.070	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.004	0.070	0.000	0.000	0.068	0.000	0.000	0.001
Steele City	MT	Prairie	217.367	217.635	0.268	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.247	0.252	0.000	0.000	0.250	0.000	0.000	0.008
Steele City	MT	Prairie	217.635	217.832	0.196	MT079	Cambeth, calcareous-Cabbart-Lonna silt loams, 15 to 35 percent slopes	0.000	0.187	0.177	0.000	0.000	0.177	0.000	0.000	0.020
Steele City	MT	Prairie	217.832	217.908	0.076	MT079	Cabbart-Rock outcrop-Yawdim complex, 15 to 70 percent slopes	0.000	0.053	0.038	0.000	0.000	0.051	0.000	0.000	0.002
Steele City	MT	Prairie	217.908	218.143	0.235	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.223	0.223	0.000	0.000	0.223	0.005	0.000	0.005
Steele City	MT	Fallon	218.143	218.317	0.174	MT025	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.167	0.169	0.000	0.000	0.143	0.000	0.000	0.000
Steele City	MT	Fallon	218.317	218.403	0.087	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.066	0.064	0.000	0.001	0.065	0.000	0.000	0.000
Steele City	MT	Fallon	218.403	218.444	0.040	MT025	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.039	0.039	0.000	0.000	0.033	0.000	0.000	0.000
Steele City	MT	Fallon	218.444	218.596	0.152	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.115	0.112	0.000	0.002	0.114	0.000	0.000	0.000
Steele City	MT	Fallon	218.596	218.643	0.047	MT025	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.046	0.046	0.000	0.000	0.039	0.000	0.000	0.000
Steele City	MT	Fallon	218.643	219.205	0.562	MT025	Lonna-Cabbart silt loams, 2 to 8 percent slopes	0.000	0.000	0.534	0.000	0.000	0.422	0.000	0.000	0.000
Steele City	MT	Fallon	219.205	219.885	0.680	MT025	Kremlin loam, 2 to 8 percent slopes	0.000	0.020	0.061	0.680	0.000	0.659	0.041	0.000	0.020
Steele City	MT	Fallon	219.885	219.955	0.070	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.000	0.064	0.067	0.000	0.000	0.042	0.000	0.000	0.000
Steele City	MT	Fallon	219.955	220.041	0.086	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.065	0.064	0.000	0.001	0.064	0.000	0.000	0.000
Steele City	MT	Fallon	220.041	220.221	0.180	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.000	0.164	0.171	0.000	0.000	0.108	0.000	0.000	0.000
Steele City	MT	Fallon	220.221	220.663	0.442	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.336	0.327	0.000	0.004	0.332	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	Fallon	220.663	220.844	0.181	MT025	Yamacall loam, 8 to 15 percent slopes	0.000	0.174	0.177	0.000	0.000	0.181	0.000	0.000	0.000
Steele City	MT	Fallon	220.844	221.394	0.550	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.511	0.517	0.000	0.005	0.517	0.000	0.000	0.000
Steele City	MT	Fallon	221.394	221.663	0.269	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.000	0.245	0.256	0.000	0.000	0.161	0.000	0.000	0.000
Steele City	MT	Fallon	221.663	221.858	0.195	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.000	0.004	0.189	0.000	0.000	0.141	0.000	0.000	0.000
Steele City	MT	Fallon	221.858	221.971	0.113	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.110	0.107	0.000	0.000	0.070	0.000	0.000	0.000
Steele City	MT	Fallon	221.971	222.057	0.086	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.000	0.002	0.083	0.000	0.000	0.062	0.000	0.000	0.000
Steele City	MT	Fallon	222.057	222.173	0.116	MT025	Lonna silt loam, 2 to 8 percent slopes	0.000	0.000	0.112	0.116	0.000	0.112	0.000	0.000	0.000
Steele City	MT	Fallon	222.173	222.286	0.113	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.003	0.113	0.113	0.000	0.110	0.000	0.000	0.000
Steele City	MT	Fallon	222.286	222.341	0.055	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.000	0.050	0.053	0.000	0.000	0.033	0.000	0.000	0.000
Steele City	MT	Fallon	222.341	222.407	0.066	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.002	0.066	0.066	0.000	0.064	0.000	0.000	0.000
Steele City	MT	Fallon	222.407	222.440	0.033	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.000	0.030	0.032	0.000	0.000	0.020	0.000	0.000	0.000
Steele City	MT	Fallon	222.440	222.527	0.086	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.003	0.086	0.086	0.000	0.084	0.000	0.000	0.000
Steele City	MT	Fallon	222.527	223.145	0.618	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.000	0.563	0.587	0.000	0.000	0.371	0.000	0.000	0.000
Steele City	MT	Fallon	223.145	223.318	0.173	MT025	Lonna silt loam, 2 to 8 percent slopes	0.000	0.000	0.168	0.173	0.000	0.168	0.000	0.000	0.000
Steele City	MT	Fallon	223.318	223.478	0.161	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.149	0.149	0.000	0.000	0.069	0.000	0.000	0.000
Steele City	MT	Fallon	223.478	223.522	0.044	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.000	0.040	0.042	0.000	0.000	0.026	0.000	0.000	0.000
Steele City	MT	Fallon	223.522	223.566	0.044	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.041	0.041	0.000	0.000	0.019	0.000	0.000	0.000
Steele City	MT	Fallon	223.566	223.652	0.086	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.000	0.078	0.081	0.000	0.000	0.051	0.000	0.000	0.000
Steele City	MT	Fallon	223.652	223.732	0.080	MT025	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.077	0.078	0.000	0.000	0.066	0.000	0.000	0.000
Steele City	MT	Fallon	223.732	224.057	0.325	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.302	0.302	0.000	0.000	0.140	0.000	0.000	0.000
Steele City	MT	Fallon	224.057	224.148	0.091	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.000	0.006	0.046	0.000	0.000	0.005	0.000	0.000	0.000
Steele City	MT	Fallon	224.148	224.242	0.093	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.091	0.088	0.000	0.000	0.058	0.000	0.000	0.000
Steele City	MT	Fallon	224.242	224.365	0.124	MT025	Yamacall loam, 8 to 15 percent slopes	0.000	0.119	0.121	0.000	0.000	0.124	0.000	0.000	0.000
Steele City	MT	Fallon	224.365	224.558	0.193	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.147	0.143	0.000	0.002	0.145	0.000	0.000	0.000
Steele City	MT	Fallon	224.558	224.796	0.238	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.221	0.221	0.000	0.000	0.102	0.000	0.000	0.000
Steele City	MT	Fallon	224.796	224.856	0.060	MT025	Orinoco-Yawdim silty clay loams, 4 to 15 percent slopes	0.000	0.058	0.037	0.000	0.000	0.056	0.000	0.000	0.000
Steele City	MT	Fallon	224.856	224.866	0.010	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.009	0.009	0.000	0.000	0.004	0.000	0.000	0.000
Steele City	MT	Fallon	224.866	224.939	0.073	MT025	Floweree silt loam, 2 to 8 percent slopes	0.000	0.000	0.073	0.073	0.000	0.073	0.000	0.000	0.000
Steele City	MT	Fallon	224.939	224.958	0.018	MT025	Orinoco-Yawdim silty clay loams, 4 to 15 percent slopes	0.000	0.018	0.011	0.000	0.000	0.017	0.000	0.000	0.000
Steele City	MT	Fallon	224.958	225.137	0.179	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.167	0.169	0.000	0.002	0.169	0.000	0.000	0.000
Steele City	MT	Fallon	225.137	225.204	0.067	MT025	Kremlin loam, 2 to 8 percent slopes	0.000	0.002	0.006	0.067	0.000	0.065	0.004	0.000	0.002
Steele City	MT	Fallon	225.204	225.271	0.067	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.062	0.063	0.000	0.001	0.063	0.000	0.000	0.000
Steele City	MT	Fallon	225.271	225.757	0.487	MT025	Kremlin-Cabbart complex, 2 to 8 percent slopes	0.000	0.000	0.462	0.000	0.000	0.292	0.000	0.000	0.000
Steele City	MT	Fallon	225.757	225.950	0.192	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.179	0.181	0.000	0.002	0.181	0.000	0.000	0.000
Steele City	MT	Fallon	225.950	226.051	0.102	MT025	Yamacall loam, 2 to 8 percent slopes	0.000	0.000	0.096	0.000	0.000	0.096	0.000	0.000	0.000
Steele City	MT	Fallon	226.051	226.173	0.122	MT025	Kremlin loam, 2 to 8 percent slopes	0.000	0.004	0.011	0.122	0.000	0.119	0.007	0.000	0.004
Steele City	MT	Fallon	226.173	226.232	0.058	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.056	0.055	0.000	0.000	0.036	0.000	0.000	0.000
Steele City	MT	Fallon	226.232	226.281	0.050	MT025	Kremlin loam, 2 to 8 percent slopes	0.000	0.001	0.004	0.050	0.000	0.048	0.003	0.000	0.001
Steele City	MT	Fallon	226.281	226.342	0.061	MT025	Lonna silt loam, 0 to 2 percent slopes	0.000	0.000	0.060	0.061	0.000	0.060	0.000	0.000	0.000
Steele City	MT	Fallon	226.342	226.440	0.097	MT025	Delpoint loam, 2 to 8 percent slopes	0.000	0.006	0.091	0.000	0.000	0.091	0.000	0.000	0.000
Steele City	MT	Fallon	226.440	226.678	0.238	MT025	Lonna silt loam, 2 to 8 percent slopes	0.000	0.000	0.231	0.238	0.000	0.231	0.000	0.000	0.000
Steele City	MT	Fallon	226.678	226.837	0.159	MT025	Lonna silt loam, 0 to 2 percent slopes	0.000	0.000	0.156	0.159	0.000	0.156	0.000	0.000	0.000
Steele City	MT	Fallon	226.837	227.014	0.177	MT025	Havre loam, 0 to 2 percent slopes	0.000	0.000	0.021	0.177	0.005	0.166	0.000	0.000	0.000
Steele City	MT	Fallon	227.014	227.283	0.270	MT025	Lonna silt loam, 0 to 2 percent slopes	0.000	0.000	0.264	0.270	0.000	0.264	0.000	0.000	0.000
Steele City	MT	Fallon	227.283	227.816	0.533	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.016	0.533	0.533	0.000	0.517	0.000	0.000	0.000
Steele City	MT	Fallon	227.816	227.936	0.120	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.112	0.112	0.000	0.000	0.052	0.000	0.000	0.000
Steele City	MT	Fallon	227.936	227.972	0.036	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.027	0.027	0.000	0.000	0.027	0.000	0.000	0.000
Steele City	MT	Fallon	227.972	228.000	0.028	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.026	0.026	0.000	0.000	0.012	0.000	0.000	0.000
Steele City	MT	Fallon	228.000	228.038	0.038	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.001	0.038	0.038	0.000	0.037	0.000	0.000	0.000
Steele City	MT	Fallon	228.038	228.076	0.038	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.035	0.035	0.000	0.000	0.016	0.000	0.000	0.000
Steele City	MT	Fallon	228.076	228.234	0.158	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.005	0.158	0.158	0.000	0.153	0.000	0.000	0.000
Steele City	MT	Fallon	228.234	228.305	0.071	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.066	0.066	0.000	0.000	0.030	0.000	0.000	0.000
Steele City	MT	Fallon	228.305	228.533	0.228	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.007	0.228	0.228	0.000	0.221	0.000	0.000	0.000
Steele City	MT	Fallon	228.533	228.585	0.052	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.000	0.049	0.020	0.000	0.000	0.004	0.027	0.000	0.000
Steele City	MT	Fallon	228.585	228.870	0.285	MT025	Lonna silt loam, 2 to 8 percent slopes	0.000	0.000	0.277	0.285	0.000	0.277	0.000	0.000	0.000
Steele City	MT	Fallon	228.870	228.916	0.046	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.043	0.043	0.000	0.000	0.020	0.000	0.000	0.000
Steele City	MT	Fallon	228.916	228.935	0.019	MT025	Alona silt loam, 2 to 8 percent slopes	0.000	0.000	0.019	0.000	0.000	0.019	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	Fallon	228.935	229.500	0.565	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.000	0.040	0.288	0.000	0.000	0.034	0.000	0.000	0.000
Steele City	MT	Fallon	229.500	229.626	0.127	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.000	0.120	0.049	0.000	0.000	0.009	0.067	0.000	0.000
Steele City	MT	Fallon	229.626	229.738	0.112	MT025	Lonna silt loam, 2 to 8 percent slopes	0.000	0.000	0.108	0.112	0.000	0.108	0.000	0.000	0.000
Steele City	MT	Fallon	229.738	229.954	0.215	MT025	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.207	0.209	0.000	0.000	0.177	0.000	0.000	0.000
Steele City	MT	Fallon	229.954	230.155	0.201	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.195	0.189	0.000	0.000	0.125	0.000	0.000	0.000
Steele City	MT	Fallon	230.155	230.209	0.054	MT025	Lonna silt loam, 2 to 8 percent slopes	0.000	0.000	0.053	0.054	0.000	0.053	0.000	0.000	0.000
Steele City	MT	Fallon	230.209	230.393	0.185	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.179	0.174	0.000	0.000	0.114	0.000	0.000	0.000
Steele City	MT	Fallon	230.393	230.473	0.080	MT025	Kobase silty clay loam, 2 to 8 percent slopes	0.000	0.000	0.075	0.080	0.000	0.078	0.000	0.000	0.000
Steele City	MT	Fallon	230.473	230.531	0.058	MT025	Cabbart silt loam, 4 to 15 percent slopes	0.000	0.053	0.055	0.000	0.000	0.005	0.000	0.000	0.000
Steele City	MT	Fallon	230.531	230.601	0.069	MT025	Gerdrum clay loam, 2 to 8 percent slopes	0.000	0.000	0.067	0.000	0.000	0.067	0.000	0.000	0.000
Steele City	MT	Fallon	230.601	230.899	0.298	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.226	0.220	0.000	0.003	0.223	0.000	0.000	0.000
Steele City	MT	Fallon	230.899	230.975	0.076	MT025	Yamacall loam, 2 to 8 percent slopes	0.000	0.000	0.072	0.000	0.000	0.072	0.000	0.000	0.000
Steele City	MT	Fallon	230.975	231.393	0.418	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.318	0.309	0.000	0.004	0.313	0.000	0.000	0.000
Steele City	MT	Fallon	231.393	231.633	0.240	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.232	0.225	0.000	0.000	0.149	0.000	0.000	0.000
Steele City	MT	Fallon	231.633	231.798	0.165	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.000	0.012	0.084	0.000	0.000	0.010	0.000	0.000	0.000
Steele City	MT	Fallon	231.798	231.974	0.176	MT025	Kremlin loam, 2 to 8 percent slopes	0.000	0.005	0.016	0.176	0.000	0.170	0.011	0.000	0.005
Steele City	MT	Fallon	231.974	232.005	0.032	MT025	Lonna silt loam, 2 to 8 percent slopes	0.000	0.000	0.031	0.032	0.000	0.031	0.000	0.000	0.000
Steele City	MT	Fallon	232.005	232.030	0.024	MT025	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	MT	Fallon	232.030	232.071	0.041	MT025	Lonna silt loam, 2 to 8 percent slopes	0.000	0.000	0.040	0.041	0.000	0.040	0.000	0.000	0.000
Steele City	MT	Fallon	232.071	232.708	0.637	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.019	0.089	0.637	0.000	0.631	0.000	0.000	0.000
Steele City	MT	Fallon	232.708	232.719	0.011	MT025	Havre-Harlake complex, 0 to 2 percent slopes	0.000	0.000	0.001	0.011	0.000	0.010	0.000	0.000	0.000
Steele City	MT	Fallon	232.719	232.865	0.146	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.138	0.000	0.000	0.138	0.000	0.000	0.000
Steele City	MT	Fallon	232.865	233.236	0.371	MT025	Gerdrum-Absher complex, 0 to 2 percent slopes	0.000	0.000	0.367	0.000	0.000	0.367	0.000	0.000	0.000
Steele City	MT	Fallon	233.236	233.364	0.128	MT025	Floweree silt loam, 0 to 2 percent slopes	0.000	0.000	0.128	0.128	0.000	0.128	0.000	0.000	0.000
Steele City	MT	Fallon	233.364	233.426	0.061	MT025	Archin-Absher complex, 0 to 2 percent slopes	0.000	0.000	0.059	0.000	0.000	0.061	0.000	0.000	0.000
Steele City	MT	Fallon	233.426	233.896	0.470	MT025	Floweree silt loam, 0 to 2 percent slopes	0.000	0.000	0.470	0.470	0.000	0.470	0.000	0.000	0.000
Steele City	MT	Fallon	233.896	234.282	0.387	MT025	Kremlin loam, 0 to 2 percent slopes	0.000	0.000	0.359	0.387	0.000	0.371	0.015	0.000	0.015
Steele City	MT	Fallon	234.282	234.389	0.106	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.105	0.000	0.000	0.105	0.000	0.000	0.000
Steele City	MT	Fallon	234.389	234.714	0.325	MT025	Havre-Harlake complex, 0 to 2 percent slopes	0.000	0.000	0.023	0.325	0.006	0.309	0.000	0.000	0.000
Steele City	MT	Fallon	234.714	234.832	0.119	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.117	0.000	0.000	0.117	0.000	0.000	0.000
Steele City	MT	Fallon	234.832	234.910	0.078	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	0.000	0.001	0.076	0.000	0.000	0.074	0.000	0.000	0.000
Steele City	MT	Fallon	234.910	234.979	0.069	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.068	0.000	0.000	0.068	0.000	0.000	0.000
Steele City	MT	Fallon	234.979	235.131	0.153	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	0.000	0.002	0.150	0.000	0.000	0.145	0.000	0.000	0.000
Steele City	MT	Fallon	235.131	235.337	0.205	MT025	Yamacall-Busby-Blacksheep complex, 4 to 15 percent slopes	0.000	0.158	0.090	0.000	0.000	0.090	0.000	0.000	0.000
Steele City	MT	Fallon	235.337	235.476	0.139	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.131	0.000	0.000	0.131	0.000	0.000	0.000
Steele City	MT	Fallon	235.476	235.535	0.060	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	0.000	0.001	0.059	0.000	0.000	0.057	0.000	0.000	0.000
Steele City	MT	Fallon	235.535	235.637	0.101	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.095	0.000	0.000	0.095	0.000	0.000	0.000
Steele City	MT	Fallon	235.637	235.729	0.093	MT025	Cambeth silt loam, 2 to 8 percent slopes	0.000	0.003	0.093	0.093	0.000	0.090	0.000	0.000	0.000
Steele City	MT	Fallon	235.729	235.905	0.176	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.166	0.000	0.000	0.166	0.000	0.000	0.000
Steele City	MT	Fallon	235.905	235.980	0.075	MT025	Yamacall loam, 2 to 8 percent slopes	0.000	0.000	0.071	0.000	0.000	0.071	0.000	0.000	0.000
Steele City	MT	Fallon	235.980	236.089	0.108	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.105	0.102	0.000	0.000	0.067	0.000	0.000	0.000
Steele City	MT	Fallon	236.089	236.201	0.112	MT025	Yamacall loam, 2 to 8 percent slopes	0.000	0.000	0.106	0.000	0.000	0.106	0.000	0.000	0.000
Steele City	MT	Fallon	236.201	236.260	0.059	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.057	0.056	0.000	0.000	0.037	0.000	0.000	0.000
Steele City	MT	Fallon	236.260	236.503	0.243	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.000	0.224	0.024	0.243	0.000	0.017	0.000	0.000	0.000
Steele City	MT	Fallon	236.503	236.551	0.048	MT025	Yamacall loam, 2 to 8 percent slopes	0.000	0.000	0.045	0.000	0.000	0.045	0.000	0.000	0.000
Steele City	MT	Fallon	236.551	236.722	0.172	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.005	0.024	0.172	0.000	0.170	0.000	0.000	0.000
Steele City	MT	Fallon	236.722	236.998	0.276	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.000	0.000	0.014	0.276	0.000	0.014	0.003	0.000	0.003
Steele City	MT	Fallon	236.998	237.231	0.232	MT025	Kremlin loam, 2 to 8 percent slopes	0.000	0.007	0.021	0.232	0.000	0.225	0.014	0.000	0.007
Steele City	MT	Fallon	237.231	237.419	0.189	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.000	0.000	0.009	0.189	0.000	0.009	0.002	0.000	0.002
Steele City	MT	Fallon	237.419	237.489	0.069	MT025	Twilight fine sandy loam, 8 to 15 percent slopes	0.000	0.004	0.061	0.069	0.000	0.002	0.000	0.000	0.000
Steele City	MT	Fallon	237.489	237.538	0.050	MT025	Yamacall loam, 2 to 8 percent slopes	0.000	0.000	0.047	0.000	0.000	0.047	0.000	0.000	0.000
Steele City	MT	Fallon	237.538	237.583	0.044	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.000	0.000	0.002	0.044	0.000	0.002	0.000	0.000	0.000
Steele City	MT	Fallon	237.583	237.594	0.011	MT025	Yamacall loam, 2 to 8 percent slopes	0.000	0.000	0.010	0.000	0.000	0.010	0.000	0.000	0.000
Steele City	MT	Fallon	237.594	237.673	0.079	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.000	0.000	0.004	0.079	0.000	0.004	0.001	0.000	0.001
Steele City	MT	Fallon	237.673	238.275	0.603	MT025	Yamacall loam, 2 to 8 percent slopes	0.000	0.000	0.573	0.000	0.000	0.573	0.000	0.000	0.000
Steele City	MT	Fallon	238.275	238.405	0.130	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.125	0.027	0.000	0.000	0.005	0.000	0.000	0.000
Steele City	MT	Fallon	238.405	238.507	0.101	MT025	Yamacall loam, 2 to 8 percent slopes	0.000	0.000	0.096	0.000	0.000	0.096	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	Fallon	238.507	238.585	0.078	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.076	0.074	0.000	0.000	0.049	0.000	0.000	0.000
Steele City	MT	Fallon	238.585	238.679	0.094	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.000	0.086	0.009	0.094	0.000	0.007	0.000	0.000	0.000
Steele City	MT	Fallon	238.679	238.759	0.081	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.000	0.002	0.007	0.081	0.000	0.005	0.000	0.000	0.000
Steele City	MT	Fallon	238.759	238.818	0.059	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.000	0.054	0.006	0.059	0.000	0.004	0.000	0.000	0.000
Steele City	MT	Fallon	238.818	238.839	0.021	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.001	0.003	0.021	0.000	0.021	0.000	0.000	0.000
Steele City	MT	Fallon	238.839	238.886	0.047	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.000	0.043	0.005	0.047	0.000	0.003	0.000	0.000	0.000
Steele City	MT	Fallon	238.886	238.995	0.109	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.000	0.000	0.005	0.109	0.000	0.005	0.001	0.000	0.001
Steele City	MT	Fallon	238.995	239.047	0.052	MT025	Assinniboine sandy clay loam, 2 to 8 percent slopes	0.000	0.000	0.006	0.052	0.000	0.050	0.000	0.000	0.000
Steele City	MT	Fallon	239.047	239.318	0.271	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.000	0.008	0.024	0.271	0.000	0.016	0.000	0.000	0.000
Steele City	MT	Fallon	239.318	239.449	0.131	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.000	0.000	0.007	0.131	0.000	0.007	0.001	0.000	0.001
Steele City	MT	Fallon	239.449	239.633	0.184	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.000	0.006	0.017	0.184	0.000	0.011	0.000	0.000	0.000
Steele City	MT	Fallon	239.633	239.732	0.099	MT025	Assinniboine sandy clay loam, 2 to 8 percent slopes	0.000	0.000	0.012	0.099	0.000	0.096	0.000	0.000	0.000
Steele City	MT	Fallon	239.732	239.961	0.229	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.000	0.007	0.021	0.229	0.000	0.014	0.000	0.000	0.000
Steele City	MT	Fallon	239.961	240.193	0.232	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.000	0.016	0.118	0.000	0.000	0.014	0.000	0.000	0.000
Steele City	MT	Fallon	240.193	240.260	0.067	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.000	0.002	0.006	0.067	0.000	0.004	0.000	0.000	0.000
Steele City	MT	Fallon	240.260	240.531	0.271	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.000	0.019	0.138	0.000	0.000	0.016	0.000	0.000	0.000
Steele City	MT	Fallon	240.531	240.571	0.040	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.038	0.037	0.000	0.000	0.025	0.000	0.000	0.000
Steele City	MT	Fallon	240.571	240.783	0.212	MT025	Twilight-Delpoint complex, 2 to 8 percent slopes	0.000	0.000	0.203	0.000	0.000	0.089	0.000	0.000	0.000
Steele City	MT	Fallon	240.783	240.831	0.049	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.047	0.046	0.000	0.000	0.030	0.000	0.000	0.000
Steele City	MT	Fallon	240.831	241.218	0.387	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.000	0.356	0.039	0.387	0.000	0.027	0.000	0.000	0.000
Steele City	MT	Fallon	241.218	241.435	0.216	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.000	0.015	0.110	0.000	0.000	0.013	0.000	0.000	0.000
Steele City	MT	Fallon	241.435	241.450	0.016	MT025	Blacksheep-Rock outcrop complex, 25 to 50 percent	0.000	0.011	0.001	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	MT	Fallon	241.450	241.758	0.308	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.000	0.022	0.157	0.000	0.000	0.018	0.000	0.000	0.000
Steele City	MT	Fallon	241.758	241.933	0.175	MT025	Bonfri loam, 8 to 15 percent slopes	0.000	0.165	0.170	0.000	0.000	0.168	0.000	0.000	0.000
Steele City	MT	Fallon	241.933	242.978	1.045	MT025	Gerdrum clay loam, 2 to 8 percent slopes	0.000	0.000	1.014	0.000	0.000	1.014	0.000	0.000	0.000
Steele City	MT	Fallon	242.978	243.043	0.065	MT025	Neldore-Bascovy clays, 4 to 15 percent slopes	0.000	0.064	0.061	0.000	0.001	0.063	0.031	0.000	0.000
Steele City	MT	Fallon	243.043	243.189	0.146	MT025	Gerdrum clay loam, 2 to 8 percent slopes	0.000	0.000	0.141	0.000	0.000	0.141	0.000	0.000	0.000
Steele City	MT	Fallon	243.189	243.487	0.298	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.289	0.280	0.000	0.000	0.184	0.000	0.000	0.000
Steele City	MT	Fallon	243.487	243.576	0.090	MT025	Marvan silty clay, 2 to 8 percent slopes	0.000	0.000	0.088	0.000	0.001	0.088	0.000	0.000	0.000
Steele City	MT	Fallon	243.576	243.628	0.051	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.048	0.049	0.000	0.000	0.030	0.000	0.000	0.000
Steele City	MT	Fallon	243.628	243.893	0.265	MT025	Bascovy clay, 2 to 8 percent slopes	0.000	0.008	0.255	0.000	0.000	0.255	0.008	0.000	0.000
Steele City	MT	Fallon	243.893	244.083	0.189	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.006	0.027	0.189	0.000	0.187	0.000	0.000	0.000
Steele City	MT	Fallon	244.083	244.256	0.174	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.172	0.000	0.000	0.172	0.000	0.000	0.000
Steele City	MT	Fallon	244.256	244.335	0.079	MT025	Havre loam, 0 to 2 percent slopes	0.000	0.000	0.009	0.079	0.002	0.074	0.000	0.000	0.000
Steele City	MT	Fallon	244.335	244.662	0.327	MT025	Bonfri loam, 2 to 8 percent slopes	0.000	0.003	0.318	0.327	0.000	0.318	0.000	0.000	0.000
Steele City	MT	Fallon	244.662	244.728	0.066	MT025	Bonfri-Cambeth complex, 2 to 8 percent slopes	0.000	0.001	0.063	0.066	0.000	0.063	0.000	0.000	0.000
Steele City	MT	Fallon	244.728	244.862	0.134	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.004	0.019	0.134	0.000	0.133	0.000	0.000	0.000
Steele City	MT	Fallon	244.862	245.398	0.536	MT025	Bonfri-Cambeth complex, 2 to 8 percent slopes	0.000	0.005	0.515	0.536	0.000	0.509	0.000	0.000	0.000
Steele City	MT	Fallon	245.398	245.474	0.076	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.071	0.073	0.000	0.000	0.045	0.000	0.000	0.000
Steele City	MT	Fallon	245.474	245.588	0.114	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.003	0.016	0.114	0.000	0.113	0.000	0.000	0.000
Steele City	MT	Fallon	245.588	245.666	0.078	MT025	Bonfri loam, 2 to 8 percent slopes	0.000	0.001	0.075	0.078	0.000	0.075	0.000	0.000	0.000
Steele City	MT	Fallon	245.666	246.111	0.445	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.013	0.062	0.445	0.000	0.441	0.000	0.000	0.000
Steele City	MT	Fallon	246.111	246.149	0.038	MT025	Tanna-Ethridge silty clay loams, 2 to 8 percent slopes	0.000	0.000	0.021	0.038	0.000	0.036	0.000	0.000	0.000
Steele City	MT	Fallon	246.149	246.160	0.011	MT025	Gerdrum clay loam, 2 to 8 percent slopes	0.000	0.000	0.011	0.000	0.000	0.011	0.000	0.000	0.000
Steele City	MT	Fallon	246.160	246.772	0.612	MT025	Tanna-Ethridge silty clay loams, 2 to 8 percent slopes	0.000	0.000	0.337	0.612	0.000	0.575	0.000	0.000	0.000
Steele City	MT	Fallon	246.772	247.326	0.554	MT025	Bonfri-Cambeth complex, 2 to 8 percent slopes	0.000	0.006	0.532	0.554	0.000	0.526	0.000	0.000	0.000
Steele City	MT	Fallon	247.326	247.402	0.076	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.000	0.072	0.030	0.000	0.000	0.005	0.040	0.000	0.000
Steele City	MT	Fallon	247.402	247.443	0.041	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.000	0.001	0.040	0.000	0.000	0.029	0.000	0.000	0.000
Steele City	MT	Fallon	247.443	247.667	0.224	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.209	0.209	0.000	0.000	0.096	0.000	0.000	0.000
Steele City	MT	Fallon	247.667	247.791	0.123	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.094	0.091	0.000	0.001	0.092	0.000	0.000	0.000
Steele City	MT	Fallon	247.791	248.107	0.316	MT025	Tanna-Ethridge silty clay loams, 2 to 8 percent slopes	0.000	0.000	0.174	0.316	0.000	0.297	0.000	0.000	0.000
Steele City	MT	Fallon	248.107	248.327	0.220	MT025	Tanna-Ethridge silty clay loams, 8 to 15 percent slopes	0.000	0.200	0.128	0.000	0.000	0.200	0.000	0.000	0.000
Steele City	MT	Fallon	248.327	248.405	0.078	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.060	0.058	0.000	0.001	0.059	0.000	0.000	0.000
Steele City	MT	Fallon	248.405	248.673	0.268	MT025	Tanna-Ethridge silty clay loams, 8 to 15 percent slopes	0.000	0.244	0.156	0.000	0.000	0.244	0.000	0.000	0.000
Steele City	MT	Fallon	248.673	248.800	0.127	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.096	0.094	0.000	0.001	0.095	0.000	0.000	0.000
Steele City	MT	Fallon	248.800	249.185	0.385	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.358	0.358	0.000	0.000	0.166	0.000	0.000	0.000
Steele City	MT	Fallon	249.185	249.521	0.336	MT025	Bonfri loam, 2 to 8 percent slopes	0.000	0.003	0.326	0.336	0.000	0.326	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	Fallon	249.521	249.586	0.064	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.061	0.062	0.000	0.000	0.038	0.000	0.000	0.000
Steele City	MT	Fallon	249.586	249.689	0.103	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.000	0.098	0.040	0.000	0.000	0.007	0.054	0.000	0.000
Steele City	MT	Fallon	249.689	249.712	0.023	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.022	0.022	0.000	0.000	0.014	0.000	0.000	0.000
Steele City	MT	Fallon	249.712	249.722	0.010	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.000	0.010	0.004	0.000	0.000	0.001	0.005	0.000	0.000
Steele City	MT	Fallon	249.722	249.729	0.007	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.006	0.007	0.000	0.000	0.004	0.000	0.000	0.000
Steele City	MT	Fallon	249.729	249.729	0.001	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	MT	Fallon	249.729	249.896	0.167	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.157	0.160	0.000	0.000	0.098	0.000	0.000	0.000
Steele City	MT	Fallon	249.896	250.039	0.143	MT025	Havre loam, 0 to 2 percent slopes	0.000	0.000	0.017	0.143	0.004	0.135	0.000	0.000	0.000
Steele City	MT	Fallon	250.039	250.123	0.083	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.000	0.079	0.032	0.000	0.000	0.006	0.044	0.000	0.000
Steele City	MT	Fallon	250.123	250.227	0.104	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.098	0.100	0.000	0.000	0.062	0.000	0.000	0.000
Steele City	MT	Fallon	250.227	250.306	0.079	MT025	Gerdrum clay loam, 2 to 8 percent slopes	0.000	0.000	0.077	0.000	0.000	0.077	0.000	0.000	0.000
Steele City	MT	Fallon	250.306	250.401	0.095	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.089	0.091	0.000	0.000	0.056	0.000	0.000	0.000
Steele City	MT	Fallon	250.401	250.619	0.219	MT025	Gerdrum clay loam, 2 to 8 percent slopes	0.000	0.000	0.212	0.000	0.000	0.212	0.000	0.000	0.000
Steele City	MT	Fallon	250.619	250.713	0.093	MT025	Havre loam, 0 to 2 percent slopes	0.000	0.000	0.011	0.093	0.003	0.088	0.000	0.000	0.000
Steele City	MT	Fallon	250.713	250.820	0.107	MT025	Bonfri-Cambeth complex, 2 to 8 percent slopes	0.000	0.001	0.103	0.107	0.000	0.102	0.000	0.000	0.000
Steele City	MT	Fallon	250.820	251.051	0.231	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.175	0.171	0.000	0.002	0.173	0.000	0.000	0.000
Steele City	MT	Fallon	251.051	251.129	0.079	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.074	0.075	0.000	0.000	0.046	0.000	0.000	0.000
Steele City	MT	Fallon	251.129	251.234	0.104	MT025	Cabbart silt loam, 4 to 15 percent slopes	0.000	0.095	0.098	0.000	0.000	0.009	0.000	0.000	0.000
Steele City	MT	Fallon	251.234	251.612	0.378	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.352	0.352	0.000	0.000	0.163	0.000	0.000	0.000
Steele City	MT	Fallon	251.612	251.671	0.059	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.045	0.044	0.000	0.001	0.044	0.000	0.000	0.000
Steele City	MT	Fallon	251.671	251.755	0.084	MT025	Tanna-Ethridge silty clay loams, 2 to 8 percent slopes	0.000	0.000	0.046	0.084	0.000	0.079	0.000	0.000	0.000
Steele City	MT	Fallon	251.755	251.983	0.227	MT025	Gerdrum clay loam, 2 to 8 percent slopes	0.000	0.000	0.220	0.000	0.000	0.220	0.000	0.000	0.000
Steele City	MT	Fallon	251.983	252.017	0.034	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.032	0.033	0.000	0.000	0.020	0.000	0.000	0.000
Steele City	MT	Fallon	252.017	252.128	0.112	MT025	Gerdrum clay loam, 2 to 8 percent slopes	0.000	0.000	0.108	0.000	0.000	0.108	0.000	0.000	0.000
Steele City	MT	Fallon	252.128	252.213	0.085	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.065	0.063	0.000	0.001	0.064	0.000	0.000	0.000
Steele City	MT	Fallon	252.213	252.602	0.389	MT025	Twilight fine sandy loam, 8 to 15 percent slopes	0.000	0.023	0.342	0.389	0.000	0.012	0.000	0.000	0.000
Steele City	MT	Fallon	252.602	253.070	0.467	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.439	0.448	0.000	0.000	0.276	0.000	0.000	0.000
Steele City	MT	Fallon	253.070	253.118	0.048	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.037	0.036	0.000	0.000	0.036	0.000	0.000	0.000
Steele City	MT	Fallon	253.118	253.303	0.185	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.174	0.178	0.000	0.000	0.109	0.000	0.000	0.000
Steele City	MT	Fallon	253.303	253.344	0.041	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.031	0.031	0.000	0.000	0.031	0.000	0.000	0.000
Steele City	MT	Fallon	253.344	253.465	0.120	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.113	0.116	0.000	0.000	0.071	0.000	0.000	0.000
Steele City	MT	Fallon	253.465	254.648	1.184	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.900	0.876	0.000	0.012	0.888	0.000	0.000	0.000
Steele City	MT	Fallon	254.648	254.831	0.182	MT025	Badland	0.000	0.027	0.027	0.000	0.000	0.027	0.000	0.000	0.000
Steele City	MT	Fallon	254.831	254.884	0.053	MT025	Yamacall-Delpoint loams, 2 to 8 percent slopes	0.000	0.002	0.051	0.000	0.000	0.050	0.000	0.000	0.000
Steele City	MT	Fallon	254.884	255.083	0.199	MT025	Badland	0.000	0.030	0.030	0.000	0.000	0.030	0.000	0.000	0.000
Steele City	MT	Fallon	255.083	255.160	0.077	MT025	Twilight fine sandy loam, 2 to 8 percent slopes	0.000	0.000	0.068	0.077	0.000	0.002	0.000	0.000	0.000
Steele City	MT	Fallon	255.160	255.191	0.031	MT025	Badland	0.000	0.005	0.005	0.000	0.000	0.005	0.000	0.000	0.000
Steele City	MT	Fallon	255.191	255.334	0.143	MT025	Twilight fine sandy loam, 2 to 8 percent slopes	0.000	0.000	0.126	0.143	0.000	0.004	0.000	0.000	0.000
Steele City	MT	Fallon	255.334	255.466	0.132	MT025	Badland	0.000	0.020	0.020	0.000	0.000	0.020	0.000	0.000	0.000
Steele City	MT	Fallon	255.466	255.622	0.156	MT025	Twilight fine sandy loam, 2 to 8 percent slopes	0.000	0.000	0.137	0.156	0.000	0.005	0.000	0.000	0.000
Steele City	MT	Fallon	255.622	255.762	0.140	MT025	Yamacall-Delpoint loams, 2 to 8 percent slopes	0.000	0.004	0.136	0.000	0.000	0.131	0.000	0.000	0.000
Steele City	MT	Fallon	255.762	255.887	0.126	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.118	0.000	0.000	0.118	0.000	0.000	0.000
Steele City	MT	Fallon	255.887	255.978	0.091	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.000	0.084	0.009	0.091	0.000	0.006	0.000	0.000	0.000
Steele City	MT	Fallon	255.978	256.139	0.161	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.000	0.000	0.087	0.000	0.000	0.087	0.000	0.000	0.000
Steele City	MT	Fallon	256.139	256.239	0.100	MT025	Creed loam, 2 to 8 percent slopes	0.000	0.000	0.097	0.000	0.000	0.097	0.000	0.000	0.000
Steele City	MT	Fallon	256.239	256.580	0.341	MT025	Carfall-Assinniboine complex, 2 to 8 percent slopes	0.000	0.000	0.038	0.341	0.000	0.314	0.000	0.000	0.000
Steele City	MT	Fallon	256.580	256.713	0.132	MT025	Carfall-Assinniboine complex, 8 to 15 percent slopes	0.000	0.124	0.012	0.000	0.000	0.120	0.000	0.000	0.000
Steele City	MT	Fallon	256.713	256.832	0.119	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.000	0.000	0.004	0.119	0.000	0.004	0.000	0.000	0.000
Steele City	MT	Fallon	256.832	256.860	0.028	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.026	0.000	0.000	0.027	0.000	0.000	0.000
Steele City	MT	Fallon	256.860	257.010	0.150	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.141	0.000	0.000	0.141	0.000	0.000	0.000
Steele City	MT	Fallon	257.010	257.324	0.314	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.000	0.000	0.169	0.000	0.000	0.169	0.000	0.000	0.000
Steele City	MT	Fallon	257.324	257.541	0.216	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.000	0.000	0.006	0.216	0.000	0.006	0.000	0.000	0.000
Steele City	MT	Fallon	257.541	257.754	0.213	MT025	Carfall-Assinniboine complex, 2 to 8 percent slopes	0.000	0.000	0.023	0.213	0.000	0.196	0.000	0.000	0.000
Steele City	MT	Fallon	257.754	257.834	0.080	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.000	0.000	0.002	0.080	0.000	0.002	0.000	0.000	0.000
Steele City	MT	Fallon	257.834	258.018	0.184	MT025	Carfall-Assinniboine complex, 8 to 15 percent slopes	0.000	0.173	0.017	0.000	0.000	0.168	0.000	0.000	0.000
Steele City	MT	Fallon	258.018	258.141	0.123	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.116	0.000	0.000	0.116	0.000	0.000	0.000
Steele City	MT	Fallon	258.141	258.176	0.035	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.000	0.000	0.002	0.035	0.000	0.002	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	Fallon	258.176	258.248	0.072	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.067	0.000	0.000	0.069	0.000	0.000	0.000
Steele City	MT	Fallon	258.248	258.310	0.062	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.059	0.000	0.000	0.059	0.000	0.000	0.000
Steele City	MT	Fallon	258.310	258.341	0.031	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.029	0.000	0.000	0.030	0.000	0.000	0.000
Steele City	MT	Fallon	258.341	258.458	0.117	MT025	Havre loam, saline, 0 to 2 percent slopes	0.000	0.000	0.114	0.000	0.001	0.108	0.000	0.000	0.000
Steele City	MT	Fallon	258.458	258.584	0.126	MT025	Archin-Absher complex, 0 to 2 percent slopes	0.000	0.000	0.123	0.000	0.000	0.126	0.000	0.000	0.000
Steele City	MT	Fallon	258.584	258.693	0.109	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.102	0.000	0.000	0.102	0.000	0.000	0.000
Steele City	MT	Fallon	258.693	258.826	0.133	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.125	0.000	0.000	0.129	0.000	0.000	0.000
Steele City	MT	Fallon	258.826	258.887	0.061	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.000	0.000	0.033	0.000	0.000	0.033	0.000	0.000	0.000
Steele City	MT	Fallon	258.887	258.954	0.067	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.063	0.000	0.000	0.065	0.000	0.000	0.000
Steele City	MT	Fallon	258.954	259.115	0.162	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.150	0.152	0.000	0.002	0.152	0.000	0.000	0.000
Steele City	MT	Fallon	259.115	259.321	0.205	MT025	Twilight-Bonfri complex, 8 to 15 percent slopes	0.000	0.086	0.193	0.000	0.000	0.074	0.000	0.000	0.000
Steele City	MT	Fallon	259.321	259.509	0.188	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.000	0.000	0.102	0.000	0.000	0.102	0.000	0.000	0.000
Steele City	MT	Fallon	259.509	259.610	0.101	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.097	0.021	0.000	0.000	0.004	0.000	0.000	0.000
Steele City	MT	Fallon	259.610	259.643	0.032	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.000	0.000	0.017	0.000	0.000	0.017	0.000	0.000	0.000
Steele City	MT	Fallon	259.643	259.753	0.111	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.104	0.000	0.000	0.104	0.000	0.000	0.000
Steele City	MT	Fallon	259.753	259.900	0.147	MT025	Twilight-Bonfri complex, 8 to 15 percent slopes	0.000	0.062	0.138	0.000	0.000	0.053	0.000	0.000	0.000
Steele City	MT	Fallon	259.900	260.338	0.438	MT025	Carfall-Assinniboine complex, 2 to 8 percent slopes	0.000	0.000	0.048	0.438	0.000	0.403	0.000	0.000	0.000
Steele City	MT	Fallon	260.338	260.419	0.082	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.077	0.000	0.000	0.079	0.000	0.000	0.000
Steele City	MT	Fallon	260.419	260.626	0.207	MT025	Carfall-Assinniboine complex, 8 to 15 percent slopes	0.000	0.194	0.019	0.000	0.000	0.188	0.000	0.000	0.000
Steele City	MT	Fallon	260.626	260.813	0.187	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.000	0.000	0.101	0.000	0.000	0.101	0.000	0.000	0.000
Steele City	MT	Fallon	260.813	260.937	0.124	MT025	Carfall loam, 2 to 8 percent slopes	0.000	0.000	0.007	0.124	0.000	0.116	0.000	0.000	0.000
Steele City	MT	Fallon	260.937	261.046	0.109	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.000	0.000	0.059	0.000	0.000	0.059	0.000	0.000	0.000
Steele City	MT	Fallon	261.046	261.114	0.069	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.065	0.000	0.000	0.067	0.000	0.000	0.000
Steele City	MT	Fallon	261.114	261.274	0.159	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.150	0.000	0.000	0.150	0.000	0.000	0.000
Steele City	MT	Fallon	261.274	261.344	0.071	MT025	Eapa-Yamacall loams, 2 to 8 percent slopes	0.000	0.002	0.039	0.000	0.000	0.071	0.000	0.000	0.000
Steele City	MT	Fallon	261.344	261.565	0.221	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.000	0.000	0.007	0.221	0.000	0.007	0.000	0.000	0.000
Steele City	MT	Fallon	261.565	262.119	0.554	MT025	Ynot sandy loam, 0 to 2 percent slopes	0.000	0.000	0.039	0.554	0.000	0.028	0.000	0.000	0.022
Steele City	MT	Fallon	262.119	262.365	0.246	MT025	Carfall loam, 2 to 8 percent slopes	0.000	0.000	0.015	0.246	0.000	0.232	0.000	0.000	0.000
Steele City	MT	Fallon	262.365	262.711	0.346	MT025	Hanly-Ryell fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.152	0.000	0.014	0.017	0.121	0.000	0.294
Steele City	MT	Fallon	262.711	262.767	0.056	MT025	Yawdim-Blacksheep-Rock outcrop complex, 15 to 45 percent slopes	0.000	0.043	0.003	0.000	0.000	0.026	0.000	0.000	0.000
Steele City	MT	Fallon	262.767	263.041	0.274	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.000	0.000	0.008	0.274	0.000	0.008	0.000	0.000	0.000
Steele City	MT	Fallon	263.041	263.477	0.436	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.000	0.000	0.201	0.000	0.000	0.201	0.000	0.000	0.000
Steele City	MT	Fallon	263.477	263.540	0.063	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.000	0.000	0.002	0.063	0.000	0.002	0.000	0.000	0.000
Steele City	MT	Fallon	263.540	263.591	0.051	MT025	Chinook sandy loam, 8 to 15 percent slopes	0.000	0.005	0.004	0.051	0.000	0.004	0.000	0.000	0.000
Steele City	MT	Fallon	263.591	263.625	0.034	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.000	0.000	0.001	0.034	0.000	0.001	0.000	0.000	0.000
Steele City	MT	Fallon	263.625	263.650	0.024	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.000	0.000	0.011	0.000	0.000	0.011	0.000	0.000	0.000
Steele City	MT	Fallon	263.650	263.693	0.043	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.000	0.000	0.001	0.043	0.000	0.001	0.000	0.000	0.000
Steele City	MT	Fallon	263.693	264.101	0.408	MT025	Chinook-Assinniboine complex, 2 to 8 percent slopes	0.000	0.000	0.024	0.408	0.000	0.188	0.000	0.000	0.000
Steele City	MT	Fallon	264.101	264.192	0.091	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.000	0.000	0.042	0.000	0.000	0.042	0.000	0.000	0.000
Steele City	MT	Fallon	264.192	264.270	0.078	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.000	0.000	0.004	0.078	0.000	0.004	0.001	0.000	0.001
Steele City	MT	Fallon	264.270	264.502	0.232	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.000	0.000	0.107	0.000	0.000	0.107	0.000	0.000	0.000
Steele City	MT	Fallon	264.502	264.618	0.115	MT025	Badland	0.000	0.017	0.017	0.000	0.000	0.017	0.000	0.000	0.000
Steele City	MT	Fallon	264.618	265.019	0.401	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.000	0.000	0.184	0.000	0.000	0.184	0.000	0.000	0.000
Steele City	MT	Fallon	265.019	265.129	0.110	MT025	Badland	0.000	0.017	0.017	0.000	0.000	0.017	0.000	0.000	0.000
Steele City	MT	Fallon	265.129	265.179	0.050	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.000	0.000	0.023	0.000	0.000	0.023	0.000	0.000	0.000
Steele City	MT	Fallon	265.179	265.611	0.432	MT025	Zeona-Blacksheep-Rock outcrop complex, 4 to 15 percent slopes	0.173	0.048	0.048	0.000	0.000	0.035	0.000	0.000	0.173
Steele City	MT	Fallon	265.611	265.637	0.025	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.000	0.000	0.012	0.000	0.000	0.012	0.000	0.000	0.000
Steele City	MT	Fallon	265.637	265.745	0.108	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.107	0.000	0.000	0.107	0.000	0.000	0.000
Steele City	MT	Fallon	265.745	266.152	0.407	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.000	0.000	0.187	0.000	0.000	0.187	0.000	0.000	0.000
Steele City	MT	Fallon	266.152	266.681	0.529	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.497	0.000	0.000	0.513	0.000	0.000	0.000
Steele City	MT	Fallon	266.681	266.867	0.186	MT025	Chinook-Assinniboine complex, 2 to 8 percent slopes	0.000	0.000	0.011	0.186	0.000	0.086	0.000	0.000	0.000
Steele City	MT	Fallon	266.867	267.043	0.176	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.169	0.037	0.000	0.000	0.007	0.000	0.000	0.000
Steele City	MT	Fallon	267.043	267.341	0.298	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.000	0.000	0.137	0.000	0.000	0.137	0.000	0.000	0.000
Steele City	MT	Fallon	267.341	267.462	0.121	MT025	Archin, gullied-Delpoint complex, 4 to 15 percent slopes	0.000	0.059	0.117	0.000	0.000	0.114	0.000	0.000	0.000
Steele City	MT	Fallon	267.462	267.612	0.150	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.144	0.032	0.000	0.000	0.006	0.000	0.000	0.000
Steele City	MT	Fallon	267.612	267.837	0.225	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.000	0.000	0.011	0.225	0.000	0.011	0.002	0.000	0.002
Steele City	MT	Fallon	267.837	268.158	0.321	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.308	0.067	0.000	0.000	0.013	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	Fallon	268.158	268.247	0.089	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.000	0.000	0.004	0.089	0.000	0.004	0.001	0.000	0.001
Steele City	MT	Fallon	268.247	268.916	0.669	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.629	0.000	0.000	0.649	0.000	0.000	0.000
Steele City	MT	Fallon	268.916	268.945	0.030	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.001	0.030	0.030	0.000	0.029	0.000	0.000	0.000
Steele City	MT	Fallon	268.945	269.163	0.217	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.209	0.046	0.000	0.000	0.009	0.000	0.000	0.000
Steele City	MT	Fallon	269.163	269.358	0.195	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.000	0.000	0.090	0.000	0.000	0.090	0.000	0.000	0.000
Steele City	MT	Fallon	269.358	269.403	0.045	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.042	0.000	0.000	0.043	0.000	0.000	0.000
Steele City	MT	Fallon	269.403	269.418	0.016	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.000	0.000	0.007	0.000	0.000	0.007	0.000	0.000	0.000
Steele City	MT	Fallon	269.418	269.518	0.099	MT025	Blacksheep-Twilight fine sandy loams, 15 to 45 percent slopes	0.000	0.094	0.046	0.000	0.000	0.004	0.000	0.000	0.000
Steele City	MT	Fallon	269.518	269.609	0.091	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.087	0.019	0.000	0.000	0.004	0.000	0.000	0.000
Steele City	MT	Fallon	269.609	269.612	0.003	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000
Steele City	MT	Fallon	269.612	269.623	0.011	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.010	0.002	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	MT	Fallon	269.623	269.734	0.112	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.000	0.003	0.010	0.112	0.000	0.007	0.000	0.000	0.000
Steele City	MT	Fallon	269.734	269.815	0.081	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.000	0.074	0.008	0.081	0.000	0.006	0.000	0.000	0.000
Steele City	MT	Fallon	269.815	269.832	0.017	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.000	0.000	0.009	0.000	0.000	0.009	0.000	0.000	0.000
Steele City	MT	Fallon	269.832	269.885	0.053	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.000	0.049	0.005	0.053	0.000	0.004	0.000	0.000	0.000
Steele City	MT	Fallon	269.885	269.921	0.036	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.000	0.000	0.019	0.000	0.000	0.019	0.000	0.000	0.000
Steele City	MT	Fallon	269.921	270.025	0.104	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.100	0.022	0.000	0.000	0.004	0.000	0.000	0.000
Steele City	MT	Fallon	270.025	270.201	0.176	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.000	0.005	0.016	0.176	0.000	0.011	0.000	0.000	0.000
Steele City	MT	Fallon	270.201	270.243	0.042	MT025	Yawdim-Blacksheep-Rock outcrop complex, 15 to 45 percent slopes	0.000	0.032	0.003	0.000	0.000	0.020	0.000	0.000	0.000
Steele City	MT	Fallon	270.243	270.293	0.050	MT025	Blacksheep-Twilight fine sandy loams, 15 to 45 percent slopes	0.000	0.047	0.023	0.000	0.000	0.002	0.000	0.000	0.000
Steele City	MT	Fallon	270.293	270.374	0.081	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.076	0.000	0.000	0.079	0.000	0.000	0.000
Steele City	MT	Fallon	270.374	270.451	0.077	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.073	0.000	0.000	0.073	0.000	0.000	0.000
Steele City	MT	Fallon	270.451	270.484	0.033	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.031	0.000	0.000	0.032	0.000	0.000	0.000
Steele City	MT	Fallon	270.484	270.599	0.114	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.108	0.000	0.000	0.108	0.000	0.000	0.000
Steele City	MT	Fallon	270.599	270.680	0.081	MT025	Ynot sandy loam, 8 to 15 percent slopes	0.000	0.010	0.006	0.081	0.000	0.004	0.000	0.000	0.000
Steele City	MT	Fallon	270.680	270.866	0.186	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.179	0.039	0.000	0.000	0.007	0.000	0.000	0.000
Steele City	MT	Fallon	270.866	270.970	0.104	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.000	0.000	0.048	0.000	0.000	0.048	0.000	0.000	0.000
Steele City	MT	Fallon	270.970	271.071	0.101	MT025	Twilight-Delpoint complex, 2 to 8 percent slopes	0.000	0.000	0.097	0.000	0.000	0.042	0.000	0.000	0.000
Steele City	MT	Fallon	271.071	271.135	0.064	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.061	0.013	0.000	0.000	0.003	0.000	0.000	0.000
Steele City	MT	Fallon	271.135	271.242	0.107	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.000	0.000	0.049	0.000	0.000	0.049	0.000	0.000	0.000
Steele City	MT	Fallon	271.242	271.681	0.439	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.000	0.000	0.022	0.439	0.000	0.022	0.004	0.000	0.004
Steele City	MT	Fallon	271.681	271.776	0.096	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.000	0.000	0.044	0.000	0.000	0.044	0.000	0.000	0.000
Steele City	MT	Fallon	271.776	271.791	0.015	MT025	Badland	0.000	0.002	0.002	0.000	0.000	0.002	0.000	0.000	0.000
Steele City	MT	Fallon	271.791	271.978	0.187	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.000	0.000	0.086	0.000	0.000	0.086	0.000	0.000	0.000
Steele City	MT	Fallon	271.978	272.064	0.086	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.000	0.000	0.004	0.086	0.000	0.004	0.001	0.000	0.001
Steele City	MT	Fallon	272.064	272.204	0.140	MT025	Busby, gullied-Delpoint-Yawdim complex, 8 to 25 percent slopes	0.000	0.134	0.059	0.000	0.001	0.090	0.000	0.000	0.000
Steele City	MT	Fallon	272.204	272.237	0.033	MT025	Twilight fine sandy loam, 2 to 8 percent slopes	0.000	0.000	0.029	0.033	0.000	0.001	0.000	0.000	0.000
Steele City	MT	Fallon	272.237	272.435	0.198	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.000	0.014	0.101	0.000	0.000	0.012	0.000	0.000	0.000
Steele City	MT	Fallon	272.435	272.537	0.102	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.000	0.000	0.047	0.000	0.000	0.047	0.000	0.000	0.000
Steele City	MT	Fallon	272.537	272.722	0.185	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.000	0.000	0.009	0.185	0.000	0.009	0.002	0.000	0.002
Steele City	MT	Fallon	272.722	272.855	0.133	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.000	0.000	0.061	0.000	0.000	0.061	0.000	0.000	0.000
Steele City	MT	Fallon	272.855	272.982	0.127	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.120	0.000	0.000	0.120	0.000	0.000	0.000
Steele City	MT	Fallon	272.982	273.086	0.104	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.103	0.000	0.000	0.103	0.000	0.000	0.000
Steele City	MT	Fallon	273.086	273.144	0.057	MT025	Twilight-Cabbart complex, 8 to 15 percent slopes	0.000	0.026	0.055	0.000	0.000	0.005	0.000	0.000	0.000
Steele City	MT	Fallon	273.144	273.286	0.142	MT025	Ynot sandy loam, 8 to 15 percent slopes	0.000	0.017	0.011	0.142	0.000	0.007	0.000	0.000	0.000
Steele City	MT	Fallon	273.286	273.346	0.060	MT025	Assinniboine-Ynot complex, 2 to 8 percent slopes	0.000	0.001	0.004	0.060	0.000	0.036	0.000	0.000	0.000
Steele City	MT	Fallon	273.346	273.421	0.075	MT025	Twilight-Cabbart complex, 8 to 15 percent slopes	0.000	0.034	0.071	0.000	0.000	0.007	0.000	0.000	0.000
Steele City	MT	Fallon	273.421	273.527	0.106	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.105	0.000	0.000	0.105	0.000	0.000	0.000
Steele City	MT	Fallon	273.527	273.624	0.097	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.003	0.014	0.097	0.000	0.096	0.000	0.000	0.000
Steele City	MT	Fallon	273.624	273.704	0.079	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.078	0.000	0.000	0.078	0.000	0.000	0.000
Steele City	MT	Fallon	273.704	273.734	0.030	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.029	0.000	0.000	0.029	0.000	0.000	0.000
Steele City	MT	Fallon	273.734	273.945	0.211	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.000	0.004	0.205	0.000	0.000	0.152	0.000	0.000	0.000
Steele City	MT	Fallon	273.945	274.031	0.086	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.003	0.012	0.086	0.000	0.085	0.000	0.000	0.000
Steele City	MT	Fallon	274.031	274.092	0.062	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.000	0.001	0.060	0.000	0.000	0.045	0.000	0.000	0.000
Steele City	MT	Fallon	274.092	274.115	0.023	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.001	0.003	0.023	0.000	0.023	0.000	0.000	0.000
Steele City	MT	Fallon	274.115	274.187	0.071	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.000	0.001	0.069	0.000	0.000	0.051	0.000	0.000	0.000
Steele City	MT	Fallon	274.187	274.228	0.041	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.001	0.006	0.041	0.000	0.041	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	Fallon	274.228	274.276	0.048	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.000	0.001	0.046	0.000	0.000	0.034	0.000	0.000	0.000
Steele City	MT	Fallon	274.276	274.342	0.067	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.002	0.009	0.067	0.000	0.066	0.000	0.000	0.000
Steele City	MT	Fallon	274.342	274.662	0.320	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.301	0.307	0.000	0.000	0.189	0.000	0.000	0.000
Steele City	MT	Fallon	274.662	274.777	0.115	MT025	Tanna-Ethridge silty clay loams, 2 to 8 percent slopes	0.000	0.000	0.063	0.115	0.000	0.108	0.000	0.000	0.000
Steele City	MT	Fallon	274.777	274.977	0.200	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.196	0.000	0.000	0.196	0.000	0.000	0.000
Steele City	MT	Fallon	274.977	275.036	0.059	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.056	0.000	0.000	0.057	0.000	0.000	0.000
Steele City	MT	Fallon	275.036	275.129	0.092	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.000	0.000	0.043	0.000	0.000	0.043	0.000	0.000	0.000
Steele City	MT	Fallon	275.129	275.177	0.048	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.045	0.000	0.000	0.046	0.000	0.000	0.000
Steele City	MT	Fallon	275.177	275.244	0.067	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.063	0.063	0.000	0.001	0.063	0.000	0.000	0.000
Steele City	MT	Fallon	275.244	275.265	0.021	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.020	0.000	0.000	0.020	0.000	0.000	0.000
Steele City	MT	Fallon	275.265	275.293	0.029	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.001	0.004	0.029	0.000	0.028	0.000	0.000	0.000
Steele City	MT	Fallon	275.293	275.377	0.084	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.082	0.000	0.000	0.082	0.000	0.000	0.000
Steele City	MT	Fallon	275.377	275.396	0.018	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.017	0.017	0.000	0.000	0.017	0.000	0.000	0.000
Steele City	MT	Fallon	275.396	275.483	0.088	MT025	Carfall-Assinniboine complex, 2 to 8 percent slopes	0.000	0.000	0.010	0.088	0.000	0.081	0.000	0.000	0.000
Steele City	MT	Fallon	275.483	275.669	0.185	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.182	0.000	0.000	0.182	0.000	0.000	0.000
Steele City	MT	Fallon	275.669	276.200	0.532	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.494	0.500	0.000	0.005	0.500	0.000	0.000	0.000
Steele City	MT	Fallon	276.200	276.284	0.083	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.082	0.000	0.000	0.082	0.000	0.000	0.000
Steele City	MT	Fallon	276.284	276.372	0.089	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.082	0.083	0.000	0.001	0.083	0.000	0.000	0.000
Steele City	MT	Fallon	276.372	277.002	0.630	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.624	0.000	0.000	0.624	0.000	0.000	0.000
Steele City	MT	Fallon	277.002	277.041	0.039	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.038	0.000	0.000	0.038	0.000	0.000	0.000
Steele City	MT	Fallon	277.041	277.605	0.564	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.000	0.000	0.304	0.000	0.000	0.304	0.000	0.000	0.000
Steele City	MT	Fallon	277.605	277.705	0.100	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.000	0.000	0.003	0.100	0.000	0.003	0.000	0.000	0.000
Steele City	MT	Fallon	277.705	277.992	0.287	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.000	0.000	0.155	0.000	0.000	0.155	0.000	0.000	0.000
Steele City	MT	Fallon	277.992	278.377	0.384	MT025	Archin-Absher complex, 0 to 2 percent slopes	0.000	0.000	0.373	0.000	0.000	0.384	0.000	0.000	0.000
Steele City	MT	Fallon	278.377	278.655	0.278	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.000	0.000	0.150	0.000	0.000	0.150	0.000	0.000	0.000
Steele City	MT	Fallon	278.655	278.802	0.147	MT025	Archin-Absher complex, 0 to 2 percent slopes	0.000	0.000	0.143	0.000	0.000	0.147	0.000	0.000	0.000
Steele City	MT	Fallon	278.802	278.805	0.003	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.000	0.000	0.002	0.000	0.000	0.002	0.000	0.000	0.000
Steele City	MT	Fallon	278.805	279.071	0.266	MT025	Archin-Absher complex, 0 to 2 percent slopes	0.000	0.000	0.258	0.000	0.000	0.266	0.000	0.000	0.000
Steele City	MT	Fallon	279.071	279.196	0.125	MT025	Gerdrum-Absher complex, 0 to 2 percent slopes	0.000	0.000	0.124	0.000	0.000	0.124	0.000	0.000	0.000
Steele City	MT	Fallon	279.196	279.393	0.197	MT025	Busby, gullied-Delpoint-Yawdim complex, 8 to 25 percent slopes	0.000	0.189	0.083	0.000	0.002	0.126	0.000	0.000	0.000
Steele City	MT	Fallon	279.393	279.424	0.031	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.029	0.000	0.000	0.029	0.000	0.000	0.000
Steele City	MT	Fallon	279.424	279.593	0.170	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.166	0.000	0.000	0.166	0.000	0.000	0.000
Steele City	MT	Fallon	279.593	279.637	0.044	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.041	0.000	0.000	0.041	0.000	0.000	0.000
Steele City	MT	Fallon	279.637	279.732	0.095	MT025	Eapa-Yamacall loams, 2 to 8 percent slopes	0.000	0.003	0.052	0.000	0.000	0.095	0.000	0.000	0.000
Steele City	MT	Fallon	279.732	279.808	0.076	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	0.000	0.001	0.074	0.000	0.000	0.072	0.000	0.000	0.000
Steele City	MT	Fallon	279.808	279.904	0.096	MT025	Eapa-Yamacall loams, 2 to 8 percent slopes	0.000	0.003	0.053	0.000	0.000	0.096	0.000	0.000	0.000
Steele City	MT	Fallon	279.904	280.036	0.132	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	0.000	0.001	0.129	0.000	0.000	0.125	0.000	0.000	0.000
Steele City	MT	Fallon	280.036	280.247	0.211	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.198	0.000	0.000	0.198	0.000	0.000	0.000
Steele City	MT	Fallon	280.247	280.279	0.032	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.030	0.000	0.000	0.031	0.000	0.000	0.000
Steele City	MT	Fallon	280.279	280.462	0.184	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.173	0.000	0.000	0.173	0.000	0.000	0.000
Steele City	MT	Fallon	280.462	280.512	0.050	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.047	0.000	0.000	0.048	0.000	0.000	0.000
Steele City	MT	Fallon	280.512	280.691	0.179	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.173	0.168	0.000	0.000	0.111	0.000	0.000	0.000
Steele City	MT	Fallon	280.691	280.801	0.111	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.000	0.000	0.104	0.000	0.000	0.107	0.000	0.000	0.000
Steele City	MT	Fallon	280.801	281.042	0.241	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	0.000	0.000	0.236	0.000	0.000	0.236	0.000	0.000	0.000
Steele City	MT	Fallon	281.042	281.102	0.060	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.056	0.056	0.000	0.001	0.056	0.000	0.000	0.000
Steele City	MT	Fallon	281.102	281.181	0.078	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.074	0.000	0.000	0.074	0.000	0.000	0.000
Steele City	MT	Fallon	281.181	281.236	0.055	MT025	Assinniboine sandy clay loam, 0 to 2 percent slopes	0.000	0.000	0.008	0.055	0.000	0.055	0.000	0.000	0.000
Steele City	MT	Fallon	281.236	281.315	0.079	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.075	0.000	0.000	0.075	0.000	0.000	0.000
Steele City	MT	Fallon	281.315	281.424	0.109	MT025	Glendive sandy loam, 0 to 2 percent slopes	0.000	0.000	0.096	0.109	0.003	0.007	0.000	0.000	0.007
Steele City	MT	Fallon	281.424	281.436	0.012	MT025	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	MT	Fallon	281.436	281.478	0.042	MT025	Glendive sandy loam, 0 to 2 percent slopes	0.000	0.000	0.037	0.042	0.001	0.003	0.000	0.000	0.003
Steele City	MT	Fallon	281.478	281.862	0.384	MT025	Eapa-Yamacall loams, 2 to 8 percent slopes	0.000	0.012	0.211	0.000	0.000	0.384	0.000	0.000	0.000
Steele City	MT	Fallon	281.862	281.980	0.118	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.110	0.111	0.000	0.001	0.111	0.000	0.000	0.000
Steele City	MT	Fallon	281.980	282.070	0.090	MT025	Parchin-Bullock complex, 2 to 8 percent slopes	0.000	0.003	0.087	0.000	0.000	0.087	0.000	0.000	0.000
Steele City	MT	Fallon	282.070	282.176	0.106	MT025	Archin loam, 2 to 8 percent slopes	0.000	0.000	0.100	0.000	0.000	0.100	0.000	0.000	0.000
Steele City	MT	Fallon	282.176	282.403	0.227	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	0.000	0.002	0.222	0.000	0.000	0.216	0.000	0.000	0.000
Steele City	MT	Fallon	282.403	282.465	0.061	MT025	Parchin-Bullock complex, 2 to 8 percent slopes	0.000	0.002	0.060	0.000	0.000	0.060	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	MT	Fallon	282.465	282.518	0.053	MT025	Twilight-Bonfri complex, 2 to 8 percent slopes	0.000	0.000	0.050	0.053	0.000	0.019	0.000	0.000	0.000
Steele City	SD	Harding	282.518	282.546	0.028	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.011	0.010	0.000	0.000	0.011	0.000	0.000	0.024
Steele City	SD	Harding	282.546	282.719	0.173	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.005	0.138	0.000	0.000	0.152	0.000	0.000	0.067
Steele City	SD	Harding	282.719	282.809	0.090	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.014	0.078	0.000	0.000	0.084	0.000	0.000	0.048
Steele City	SD	Harding	282.809	282.967	0.158	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.016	0.071	0.000	0.000	0.055	0.000	0.000	0.040
Steele City	SD	Harding	282.967	283.036	0.068	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.010	0.059	0.000	0.000	0.064	0.000	0.000	0.036
Steele City	SD	Harding	283.036	283.112	0.076	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.008	0.034	0.000	0.000	0.027	0.000	0.000	0.019
Steele City	SD	Harding	283.112	283.603	0.491	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.196	0.172	0.000	0.000	0.196	0.000	0.000	0.417
Steele City	SD	Harding	283.603	283.812	0.209	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.198	0.017	0.000	0.000	0.134	0.058	0.052	0.000
Steele City	SD	Harding	283.812	284.039	0.228	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.091	0.080	0.000	0.000	0.091	0.000	0.000	0.193
Steele City	SD	Harding	284.039	284.198	0.159	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.005	0.127	0.000	0.000	0.140	0.000	0.000	0.062
Steele City	SD	Harding	284.198	284.589	0.390	SD063	Badlands	0.000	0.371	0.051	0.000	0.000	0.043	0.347	0.000	0.000
Steele City	SD	Harding	284.589	284.944	0.356	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.011	0.285	0.000	0.000	0.313	0.000	0.000	0.139
Steele City	SD	Harding	284.944	284.965	0.021	SD063	Cabbart-Delridge loams, 15 to 40 percent slopes	0.000	0.019	0.002	0.000	0.000	0.019	0.001	0.000	0.001
Steele City	SD	Harding	284.965	285.059	0.094	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.003	0.075	0.000	0.000	0.083	0.000	0.000	0.037
Steele City	SD	Harding	285.059	285.108	0.049	SD063	Cabbart-Delridge loams, 15 to 40 percent slopes	0.000	0.045	0.004	0.000	0.000	0.043	0.001	0.000	0.001
Steele City	SD	Harding	285.108	285.194	0.086	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.003	0.069	0.000	0.000	0.076	0.000	0.000	0.033
Steele City	SD	Harding	285.194	285.220	0.027	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.004	0.023	0.000	0.000	0.025	0.000	0.000	0.014
Steele City	SD	Harding	285.220	285.575	0.355	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.011	0.284	0.000	0.000	0.312	0.000	0.000	0.138
Steele City	SD	Harding	285.575	285.681	0.105	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.016	0.091	0.000	0.000	0.098	0.000	0.000	0.056
Steele City	SD	Harding	285.681	285.742	0.061	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.024	0.021	0.000	0.000	0.024	0.000	0.000	0.052
Steele City	SD	Harding	285.742	285.763	0.022	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.001	0.017	0.000	0.000	0.019	0.000	0.000	0.008
Steele City	SD	Harding	285.763	285.829	0.066	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.026	0.023	0.000	0.000	0.026	0.000	0.000	0.056
Steele City	SD	Harding	285.829	286.215	0.385	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.012	0.308	0.000	0.000	0.339	0.000	0.000	0.150
Steele City	SD	Harding	286.215	286.276	0.061	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.009	0.052	0.000	0.000	0.057	0.000	0.000	0.032
Steele City	SD	Harding	286.276	286.323	0.048	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.001	0.038	0.000	0.000	0.042	0.000	0.000	0.019
Steele City	SD	Harding	286.323	286.346	0.022	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.003	0.019	0.000	0.000	0.021	0.000	0.000	0.012
Steele City	SD	Harding	286.346	286.464	0.118	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.004	0.094	0.000	0.000	0.104	0.000	0.000	0.046
Steele City	SD	Harding	286.464	286.544	0.080	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.012	0.069	0.000	0.000	0.074	0.000	0.000	0.042
Steele City	SD	Harding	286.544	286.718	0.175	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.005	0.140	0.000	0.000	0.154	0.000	0.000	0.068
Steele City	SD	Harding	286.718	286.876	0.158	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	0.000	0.142	0.016	0.000	0.000	0.063	0.079	0.032	0.016
Steele City	SD	Harding	286.876	286.994	0.118	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.018	0.102	0.000	0.000	0.110	0.000	0.000	0.063
Steele City	SD	Harding	286.994	287.083	0.089	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	0.000	0.080	0.009	0.000	0.000	0.035	0.044	0.018	0.009
Steele City	SD	Harding	287.083	287.184	0.101	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.041	0.035	0.000	0.000	0.041	0.000	0.000	0.086
Steele City	SD	Harding	287.184	287.279	0.095	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	0.000	0.085	0.009	0.000	0.000	0.038	0.047	0.019	0.009
Steele City	SD	Harding	287.279	287.641	0.363	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.145	0.127	0.000	0.000	0.073	0.000	0.000	0.236
Steele City	SD	Harding	287.641	287.711	0.070	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	0.000	0.063	0.007	0.000	0.000	0.028	0.035	0.014	0.007
Steele City	SD	Harding	287.711	287.754	0.043	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.017	0.015	0.000	0.000	0.009	0.000	0.000	0.028
Steele City	SD	Harding	287.754	287.923	0.168	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.025	0.145	0.000	0.000	0.156	0.000	0.000	0.089
Steele City	SD	Harding	287.923	287.942	0.019	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.019	0.011	0.000	0.000	0.019	0.000	0.000	0.000
Steele City	SD	Harding	287.942	287.991	0.049	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.007	0.042	0.000	0.000	0.046	0.000	0.000	0.026
Steele City	SD	Harding	287.991	288.038	0.047	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.045	0.026	0.000	0.000	0.046	0.000	0.000	0.000
Steele City	SD	Harding	288.038	288.226	0.188	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.028	0.162	0.000	0.000	0.175	0.000	0.000	0.100
Steele City	SD	Harding	288.226	288.263	0.037	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.001	0.030	0.000	0.000	0.033	0.000	0.000	0.015
Steele City	SD	Harding	288.263	288.375	0.112	SD063	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.105	0.011	0.000	0.000	0.105	0.000	0.000	0.008
Steele City	SD	Harding	288.375	288.443	0.068	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.064	0.038	0.000	0.000	0.066	0.000	0.000	0.000
Steele City	SD	Harding	288.443	288.663	0.220	SD063	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.207	0.022	0.000	0.000	0.207	0.000	0.000	0.015
Steele City	SD	Harding	288.663	288.748	0.085	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.081	0.048	0.000	0.000	0.082	0.000	0.000	0.000
Steele City	SD	Harding	288.748	288.953	0.205	SD063	Gerdrum silt loam, 0 to 4 percent slopes	0.000	0.000	0.205	0.000	0.000	0.205	0.000	0.000	0.000
Steele City	SD	Harding	288.953	288.983	0.030	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.028	0.017	0.000	0.000	0.029	0.000	0.000	0.000
Steele City	SD	Harding	288.983	289.057	0.075	SD063	Gerdrum silt loam, 0 to 4 percent slopes	0.000	0.000	0.075	0.000	0.000	0.075	0.000	0.000	0.000
Steele City	SD	Harding	289.057	289.167	0.110	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.105	0.062	0.000	0.000	0.107	0.000	0.000	0.000
Steele City	SD	Harding	289.167	289.282	0.114	SD063	Gerdrum silt loam, 0 to 4 percent slopes	0.000	0.000	0.114	0.000	0.000	0.114	0.000	0.000	0.000
Steele City	SD	Harding	289.282	289.441	0.160	SD063	Eapa-Archin complex, 0 to 3 percent slopes	0.000	0.000	0.150	0.000	0.000	0.150	0.000	0.000	0.010
Steele City	SD	Harding	289.441	289.498	0.056	SD063	Sage loam	0.000	0.000	0.056	0.000	0.048	0.056	0.000	0.000	0.000
Steele City	SD	Harding	289.498	289.672	0.174	SD063	Korchea loam, channeled	0.000	0.000	0.028	0.000	0.007	0.167	0.000	0.000	0.000
Steele City	SD	Harding	289.672	289.923	0.252	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.239	0.020	0.000	0.000	0.161	0.070	0.063	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Harding	289.923	289.955	0.032	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.005	0.027	0.000	0.000	0.030	0.000	0.000	0.017
Steele City	SD	Harding	289.955	289.973	0.018	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.002	0.008	0.000	0.000	0.006	0.000	0.000	0.005
Steele City	SD	Harding	289.973	290.024	0.051	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.008	0.044	0.000	0.000	0.047	0.000	0.000	0.027
Steele City	SD	Harding	290.024	290.206	0.181	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.018	0.082	0.000	0.000	0.063	0.000	0.000	0.045
Steele City	SD	Harding	290.206	290.675	0.470	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.070	0.404	0.000	0.000	0.437	0.000	0.000	0.249
Steele City	SD	Harding	290.675	290.755	0.079	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.008	0.036	0.000	0.000	0.028	0.000	0.000	0.020
Steele City	SD	Harding	290.755	290.907	0.153	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.023	0.131	0.000	0.000	0.142	0.000	0.000	0.081
Steele City	SD	Harding	290.907	290.931	0.024	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.009	0.008	0.000	0.000	0.009	0.000	0.000	0.020
Steele City	SD	Harding	290.931	291.031	0.100	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.015	0.086	0.000	0.000	0.093	0.000	0.000	0.053
Steele City	SD	Harding	291.031	291.187	0.156	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.005	0.125	0.000	0.000	0.137	0.000	0.000	0.061
Steele City	SD	Harding	291.187	291.271	0.084	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.034	0.030	0.000	0.000	0.034	0.000	0.000	0.072
Steele City	SD	Harding	291.271	291.414	0.143	SD063	Bullock-Slickspots complex, 0 to 4 percent slopes	0.000	0.000	0.126	0.000	0.000	0.137	0.000	0.000	0.016
Steele City	SD	Harding	291.414	291.722	0.308	SD063	Gerdrum silt loam, 0 to 4 percent slopes	0.000	0.000	0.308	0.000	0.000	0.308	0.000	0.000	0.000
Steele City	SD	Harding	291.722	291.883	0.161	SD063	Havre loam	0.000	0.000	0.156	0.161	0.005	0.156	0.000	0.000	0.000
Steele City	SD	Harding	291.883	292.058	0.174	SD063	Glendive fine sandy loam	0.000	0.000	0.174	0.174	0.009	0.174	0.000	0.000	0.000
Steele City	SD	Harding	292.058	292.093	0.035	SD063	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	SD	Harding	292.093	292.122	0.029	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.028	0.002	0.000	0.000	0.019	0.008	0.007	0.000
Steele City	SD	Harding	292.122	292.438	0.316	SD063	Havre-Harlake complex	0.000	0.000	0.297	0.313	0.028	0.297	0.000	0.000	0.000
Steele City	SD	Harding	292.438	292.460	0.022	SD063	Glendive fine sandy loam	0.000	0.000	0.022	0.022	0.001	0.022	0.000	0.000	0.000
Steele City	SD	Harding	292.460	292.584	0.123	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.117	0.010	0.000	0.000	0.079	0.035	0.031	0.000
Steele City	SD	Harding	292.584	292.822	0.238	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.036	0.205	0.000	0.000	0.222	0.000	0.000	0.126
Steele City	SD	Harding	292.822	293.265	0.443	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.177	0.155	0.000	0.000	0.089	0.000	0.000	0.288
Steele City	SD	Harding	293.265	293.320	0.055	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.007	0.005	0.000	0.000	0.007	0.000	0.000	0.050
Steele City	SD	Harding	293.320	293.947	0.627	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.251	0.220	0.000	0.000	0.251	0.000	0.000	0.533
Steele City	SD	Harding	293.947	293.964	0.016	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.015	0.001	0.000	0.000	0.010	0.005	0.004	0.000
Steele City	SD	Harding	293.964	294.010	0.046	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.018	0.016	0.000	0.000	0.018	0.000	0.000	0.039
Steele City	SD	Harding	294.010	294.113	0.103	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.098	0.008	0.000	0.000	0.066	0.029	0.026	0.000
Steele City	SD	Harding	294.113	294.119	0.006	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.001	0.005	0.000	0.000	0.006	0.000	0.000	0.003
Steele City	SD	Harding	294.119	294.204	0.085	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.081	0.048	0.000	0.000	0.083	0.000	0.000	0.000
Steele City	SD	Harding	294.204	294.257	0.053	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.008	0.046	0.000	0.000	0.049	0.000	0.000	0.028
Steele City	SD	Harding	294.257	294.288	0.031	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.029	0.017	0.000	0.000	0.030	0.000	0.000	0.000
Steele City	SD	Harding	294.288	294.351	0.063	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.009	0.054	0.000	0.000	0.059	0.000	0.000	0.033
Steele City	SD	Harding	294.351	294.403	0.051	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.049	0.029	0.000	0.000	0.050	0.000	0.000	0.000
Steele City	SD	Harding	294.403	294.519	0.116	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.017	0.100	0.000	0.000	0.108	0.000	0.000	0.061
Steele City	SD	Harding	294.519	294.614	0.096	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.091	0.054	0.000	0.000	0.093	0.000	0.000	0.000
Steele City	SD	Harding	294.614	294.680	0.066	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.010	0.057	0.000	0.000	0.061	0.000	0.000	0.035
Steele City	SD	Harding	294.680	294.997	0.316	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.300	0.177	0.000	0.000	0.307	0.000	0.000	0.000
Steele City	SD	Harding	294.997	295.077	0.081	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.012	0.069	0.000	0.000	0.075	0.000	0.000	0.043
Steele City	SD	Harding	295.077	295.216	0.139	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.132	0.078	0.000	0.000	0.135	0.000	0.000	0.000
Steele City	SD	Harding	295.216	295.346	0.129	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.019	0.111	0.000	0.000	0.120	0.000	0.000	0.068
Steele City	SD	Harding	295.346	295.423	0.078	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.074	0.044	0.000	0.000	0.076	0.000	0.000	0.000
Steele City	SD	Harding	295.423	295.545	0.121	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.004	0.097	0.000	0.000	0.107	0.000	0.000	0.047
Steele City	SD	Harding	295.545	295.602	0.057	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.009	0.049	0.000	0.000	0.053	0.000	0.000	0.030
Steele City	SD	Harding	295.602	295.757	0.156	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.005	0.125	0.000	0.000	0.137	0.000	0.000	0.061
Steele City	SD	Harding	295.757	296.084	0.326	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.042	0.111	0.000	0.000	0.284	0.000	0.000	0.095
Steele City	SD	Harding	296.084	296.384	0.300	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.045	0.258	0.000	0.000	0.279	0.000	0.000	0.159
Steele City	SD	Harding	296.384	296.734	0.350	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.140	0.123	0.000	0.000	0.140	0.000	0.000	0.298
Steele City	SD	Harding	296.734	297.013	0.279	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.265	0.156	0.000	0.000	0.271	0.000	0.000	0.000
Steele City	SD	Harding	297.013	297.255	0.242	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.036	0.208	0.000	0.000	0.225	0.000	0.000	0.128
Steele City	SD	Harding	297.255	297.605	0.349	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.332	0.196	0.000	0.000	0.339	0.000	0.000	0.000
Steele City	SD	Harding	297.605	297.834	0.229	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.199	0.000	0.000	0.215	0.000	0.000	0.030
Steele City	SD	Harding	297.834	297.962	0.129	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.052	0.045	0.000	0.000	0.052	0.000	0.000	0.109
Steele City	SD	Harding	297.962	298.037	0.075	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.030	0.026	0.000	0.000	0.015	0.000	0.000	0.049
Steele City	SD	Harding	298.037	298.200	0.163	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.065	0.057	0.000	0.000	0.065	0.000	0.000	0.138
Steele City	SD	Harding	298.200	298.274	0.074	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.010	0.025	0.000	0.000	0.064	0.000	0.000	0.021
Steele City	SD	Harding	298.274	298.488	0.214	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.086	0.075	0.000	0.000	0.086	0.000	0.000	0.182
Steele City	SD	Harding	298.488	299.094	0.605	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.091	0.521	0.000	0.000	0.563	0.000	0.000	0.321

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Harding	299.094	299.175	0.082	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.008	0.037	0.000	0.000	0.029	0.000	0.000	0.020
Steele City	SD	Harding	299.175	299.605	0.429	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.064	0.369	0.000	0.000	0.399	0.000	0.000	0.228
Steele City	SD	Harding	299.605	299.736	0.132	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.053	0.046	0.000	0.000	0.053	0.000	0.000	0.112
Steele City	SD	Harding	299.736	299.782	0.046	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.018	0.016	0.000	0.000	0.009	0.000	0.000	0.030
Steele City	SD	Harding	299.782	299.829	0.047	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.019	0.016	0.000	0.000	0.019	0.000	0.000	0.040
Steele City	SD	Harding	299.829	299.926	0.098	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.010	0.044	0.000	0.000	0.034	0.000	0.000	0.024
Steele City	SD	Harding	299.926	299.979	0.052	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.008	0.045	0.000	0.000	0.048	0.000	0.000	0.028
Steele City	SD	Harding	299.979	300.010	0.031	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.003	0.014	0.000	0.000	0.011	0.000	0.000	0.008
Steele City	SD	Harding	300.010	300.053	0.043	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.006	0.037	0.000	0.000	0.040	0.000	0.000	0.023
Steele City	SD	Harding	300.053	300.174	0.121	SD063	Sage loam	0.000	0.000	0.121	0.000	0.103	0.121	0.000	0.000	0.000
Steele City	SD	Harding	300.174	300.235	0.061	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.024	0.021	0.000	0.000	0.024	0.000	0.000	0.052
Steele City	SD	Harding	300.235	300.359	0.125	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.004	0.100	0.000	0.000	0.110	0.000	0.000	0.049
Steele City	SD	Harding	300.359	300.441	0.082	SD063	Sage loam	0.000	0.000	0.082	0.000	0.069	0.082	0.000	0.000	0.000
Steele City	SD	Harding	300.441	300.744	0.303	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.121	0.106	0.000	0.000	0.121	0.000	0.000	0.258
Steele City	SD	Harding	300.744	300.826	0.082	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.012	0.070	0.000	0.000	0.076	0.000	0.000	0.043
Steele City	SD	Harding	300.826	300.993	0.167	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.067	0.058	0.000	0.000	0.033	0.000	0.000	0.108
Steele City	SD	Harding	300.993	301.214	0.221	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.088	0.077	0.000	0.000	0.088	0.000	0.000	0.188
Steele City	SD	Harding	301.214	301.276	0.062	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.059	0.035	0.000	0.000	0.060	0.000	0.000	0.000
Steele City	SD	Harding	301.276	301.450	0.175	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.026	0.150	0.000	0.000	0.162	0.000	0.000	0.093
Steele City	SD	Harding	301.450	301.538	0.088	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.083	0.049	0.000	0.000	0.085	0.000	0.000	0.000
Steele City	SD	Harding	301.538	301.797	0.258	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.008	0.207	0.000	0.000	0.227	0.000	0.000	0.101
Steele City	SD	Harding	301.797	302.019	0.222	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.022	0.100	0.000	0.000	0.078	0.000	0.000	0.056
Steele City	SD	Harding	302.019	302.214	0.195	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.078	0.068	0.000	0.000	0.039	0.000	0.000	0.127
Steele City	SD	Harding	302.214	302.696	0.482	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.458	0.039	0.000	0.000	0.309	0.135	0.121	0.000
Steele City	SD	Harding	302.696	302.726	0.029	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.004	0.025	0.000	0.000	0.027	0.000	0.000	0.016
Steele City	SD	Harding	302.726	303.245	0.520	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.208	0.182	0.000	0.000	0.208	0.000	0.000	0.442
Steele City	SD	Harding	303.245	303.396	0.151	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.143	0.085	0.000	0.000	0.147	0.000	0.000	0.000
Steele City	SD	Harding	303.396	303.805	0.409	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.163	0.143	0.000	0.000	0.082	0.000	0.000	0.266
Steele City	SD	Harding	303.805	303.893	0.088	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.035	0.031	0.000	0.000	0.035	0.000	0.000	0.075
Steele City	SD	Harding	303.893	304.121	0.228	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.217	0.018	0.000	0.000	0.146	0.064	0.057	0.000
Steele City	SD	Harding	304.121	304.251	0.130	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.123	0.073	0.000	0.000	0.126	0.000	0.000	0.000
Steele City	SD	Harding	304.251	304.431	0.179	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.027	0.154	0.000	0.000	0.167	0.000	0.000	0.095
Steele City	SD	Harding	304.431	304.601	0.170	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.063	0.000	0.000	0.170	0.012	0.000	0.097
Steele City	SD	Harding	304.601	304.668	0.067	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.002	0.054	0.000	0.000	0.059	0.000	0.000	0.026
Steele City	SD	Harding	304.668	304.869	0.201	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.191	0.112	0.000	0.000	0.195	0.000	0.000	0.000
Steele City	SD	Harding	304.869	305.174	0.305	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.009	0.244	0.000	0.000	0.268	0.000	0.000	0.119
Steele City	SD	Harding	305.174	305.283	0.109	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.044	0.038	0.000	0.000	0.044	0.000	0.000	0.093
Steele City	SD	Harding	305.283	305.360	0.078	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.009	0.007	0.000	0.000	0.009	0.000	0.000	0.071
Steele City	SD	Harding	305.360	305.474	0.114	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.011	0.051	0.000	0.000	0.040	0.000	0.000	0.028
Steele City	SD	Harding	305.474	305.729	0.255	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.031	0.023	0.000	0.000	0.031	0.000	0.000	0.232
Steele City	SD	Harding	305.729	306.062	0.333	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.033	0.150	0.000	0.000	0.116	0.000	0.000	0.083
Steele City	SD	Harding	306.062	306.512	0.451	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.392	0.000	0.000	0.424	0.000	0.000	0.059
Steele City	SD	Harding	306.512	306.541	0.028	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.011	0.000	0.000	0.028	0.002	0.000	0.016
Steele City	SD	Harding	306.541	306.717	0.176	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.168	0.099	0.000	0.000	0.171	0.000	0.000	0.000
Steele City	SD	Harding	306.717	307.079	0.361	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.036	0.163	0.000	0.000	0.126	0.000	0.000	0.090
Steele City	SD	Harding	307.079	307.185	0.106	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.043	0.037	0.000	0.000	0.043	0.000	0.000	0.091
Steele City	SD	Harding	307.185	307.379	0.194	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.029	0.167	0.000	0.000	0.180	0.000	0.000	0.103
Steele City	SD	Harding	307.379	307.494	0.116	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.110	0.065	0.000	0.000	0.112	0.000	0.000	0.000
Steele City	SD	Harding	307.494	307.601	0.106	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.016	0.091	0.000	0.000	0.099	0.000	0.000	0.056
Steele City	SD	Harding	307.601	307.830	0.229	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.007	0.183	0.000	0.000	0.201	0.000	0.000	0.089
Steele City	SD	Harding	307.830	307.947	0.118	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.047	0.041	0.000	0.000	0.047	0.000	0.000	0.100
Steele City	SD	Harding	307.947	308.031	0.084	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.013	0.072	0.000	0.000	0.078	0.000	0.000	0.044
Steele City	SD	Harding	308.031	308.108	0.076	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.030	0.027	0.000	0.000	0.015	0.000	0.000	0.050
Steele City	SD	Harding	308.108	308.620	0.512	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.015	0.410	0.000	0.000	0.451	0.000	0.000	0.200
Steele City	SD	Harding	308.620	308.670	0.051	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.048	0.004	0.000	0.000	0.032	0.014	0.013	0.000
Steele City	SD	Harding	308.670	308.772	0.102	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.097	0.057	0.000	0.000	0.099	0.000	0.000	0.000
Steele City	SD	Harding	308.772	308.963	0.191	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.025	0.065	0.000	0.000	0.166	0.000	0.000	0.055

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Harding	308.963	309.210	0.247	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.235	0.138	0.000	0.000	0.240	0.000	0.000	0.000
Steele City	SD	Harding	309.210	309.420	0.210	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.006	0.168	0.000	0.000	0.185	0.000	0.000	0.082
Steele City	SD	Harding	309.420	309.575	0.155	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.147	0.012	0.000	0.000	0.099	0.043	0.039	0.000
Steele City	SD	Harding	309.575	310.006	0.431	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.172	0.151	0.000	0.000	0.086	0.000	0.000	0.280
Steele City	SD	Harding	310.006	310.105	0.100	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.095	0.008	0.000	0.000	0.064	0.028	0.025	0.000
Steele City	SD	Harding	310.105	310.305	0.199	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.080	0.070	0.000	0.000	0.040	0.000	0.000	0.130
Steele City	SD	Harding	310.305	310.564	0.260	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.039	0.223	0.000	0.000	0.242	0.000	0.000	0.138
Steele City	SD	Harding	310.564	310.601	0.037	SD063	Badlands	0.000	0.035	0.005	0.000	0.000	0.004	0.033	0.000	0.000
Steele City	SD	Harding	310.601	310.648	0.047	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.001	0.037	0.000	0.000	0.041	0.000	0.000	0.018
Steele City	SD	Harding	310.648	310.838	0.191	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.076	0.067	0.000	0.000	0.076	0.000	0.000	0.162
Steele City	SD	Harding	310.838	311.140	0.301	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.286	0.024	0.000	0.000	0.193	0.084	0.075	0.000
Steele City	SD	Harding	311.140	311.419	0.279	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.112	0.098	0.000	0.000	0.112	0.000	0.000	0.238
Steele City	SD	Harding	311.419	311.600	0.181	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.027	0.156	0.000	0.000	0.168	0.000	0.000	0.096
Steele City	SD	Harding	311.600	311.884	0.284	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.114	0.099	0.000	0.000	0.114	0.000	0.000	0.242
Steele City	SD	Harding	311.884	312.030	0.145	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.022	0.125	0.000	0.000	0.135	0.000	0.000	0.077
Steele City	SD	Harding	312.030	312.666	0.636	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.255	0.223	0.000	0.000	0.255	0.000	0.000	0.541
Steele City	SD	Harding	312.666	312.866	0.200	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.030	0.172	0.000	0.000	0.186	0.000	0.000	0.106
Steele City	SD	Harding	312.866	313.152	0.286	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.009	0.229	0.000	0.000	0.252	0.000	0.000	0.112
Steele City	SD	Harding	313.152	313.314	0.161	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.000	0.008	0.024	0.161	0.000	0.024	0.000	0.000	0.008
Steele City	SD	Harding	313.314	313.372	0.059	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.002	0.047	0.000	0.000	0.052	0.000	0.000	0.023
Steele City	SD	Harding	313.372	313.514	0.142	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.057	0.050	0.000	0.000	0.057	0.000	0.000	0.121
Steele City	SD	Harding	313.514	313.673	0.159	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.064	0.056	0.000	0.000	0.032	0.000	0.000	0.103
Steele City	SD	Harding	313.673	313.773	0.100	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.010	0.045	0.000	0.000	0.035	0.000	0.000	0.025
Steele City	SD	Harding	313.773	313.869	0.096	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.011	0.009	0.000	0.000	0.011	0.000	0.000	0.087
Steele City	SD	Harding	313.869	313.970	0.101	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.010	0.045	0.000	0.000	0.035	0.000	0.000	0.025
Steele City	SD	Harding	313.970	314.278	0.308	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.123	0.108	0.000	0.000	0.123	0.000	0.000	0.262
Steele City	SD	Harding	314.278	314.406	0.128	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.015	0.011	0.000	0.000	0.015	0.000	0.000	0.116
Steele City	SD	Harding	314.406	314.696	0.291	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	0.218	0.049	0.049	0.000	0.000	0.049	0.000	0.000	0.265
Steele City	SD	Harding	314.696	314.781	0.085	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.034	0.030	0.000	0.000	0.034	0.000	0.000	0.072
Steele City	SD	Harding	314.781	314.879	0.098	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.039	0.034	0.000	0.000	0.020	0.000	0.000	0.064
Steele City	SD	Harding	314.879	314.912	0.033	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.004	0.003	0.000	0.000	0.004	0.000	0.000	0.030
Steele City	SD	Harding	314.912	315.098	0.186	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.000	0.009	0.028	0.186	0.000	0.028	0.000	0.000	0.009
Steele City	SD	Harding	315.098	315.284	0.186	SD063	Marmarth fine sandy loam, 2 to 6 percent slopes	0.000	0.011	0.017	0.186	0.000	0.174	0.000	0.000	0.011
Steele City	SD	Harding	315.284	315.342	0.058	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.006	0.026	0.000	0.000	0.020	0.000	0.000	0.015
Steele City	SD	Harding	315.342	315.462	0.121	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.000	0.006	0.018	0.121	0.000	0.018	0.000	0.000	0.006
Steele City	SD	Harding	315.462	315.579	0.117	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.012	0.052	0.000	0.000	0.041	0.000	0.000	0.029
Steele City	SD	Harding	315.579	315.866	0.287	SD063	Assinniboine fine sandy loam, 3 to 6 percent slopes	0.000	0.000	0.032	0.287	0.000	0.287	0.000	0.000	0.244
Steele City	SD	Harding	315.866	315.950	0.084	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.013	0.072	0.000	0.000	0.078	0.000	0.000	0.044
Steele City	SD	Harding	315.950	316.353	0.404	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.048	0.036	0.000	0.000	0.048	0.000	0.000	0.367
Steele City	SD	Harding	316.353	316.591	0.238	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.024	0.107	0.000	0.000	0.083	0.000	0.000	0.059
Steele City	SD	Harding	316.591	316.739	0.148	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.141	0.083	0.000	0.000	0.144	0.000	0.000	0.000
Steele City	SD	Harding	316.739	317.243	0.504	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.050	0.227	0.000	0.000	0.176	0.000	0.000	0.126
Steele City	SD	Harding	317.243	317.503	0.260	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.247	0.146	0.000	0.000	0.253	0.000	0.000	0.000
Steele City	SD	Harding	317.503	317.780	0.276	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.008	0.221	0.000	0.000	0.243	0.000	0.000	0.108
Steele City	SD	Harding	317.780	318.027	0.247	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.099	0.087	0.000	0.000	0.099	0.000	0.000	0.210
Steele City	SD	Harding	318.027	318.040	0.014	SD063	Hanly fine sandy loam	0.000	0.000	0.002	0.000	0.001	0.002	0.000	0.000	0.000
Steele City	SD	Harding	318.040	318.143	0.103	SD063	Hanly-Dogiecreek fine sandy loams	0.000	0.000	0.054	0.000	0.036	0.021	0.000	0.000	0.000
Steele City	SD	Harding	318.143	318.359	0.216	SD063	Trey-Parchin-Bullock complex, 2 to 9 percent slopes	0.095	0.009	0.102	0.000	0.000	0.099	0.000	0.000	0.162
Steele City	SD	Harding	318.359	318.420	0.060	SD063	Zeona-Blownout land complex, 2 to 15 percent slopes	0.036	0.003	0.003	0.000	0.000	0.003	0.000	0.000	0.042
Steele City	SD	Harding	318.420	318.544	0.124	SD063	Trey-Parchin-Bullock complex, 2 to 9 percent slopes	0.055	0.005	0.058	0.000	0.000	0.057	0.000	0.000	0.093
Steele City	SD	Harding	318.544	318.602	0.058	SD063	Zeona-Blownout land complex, 2 to 15 percent slopes	0.035	0.003	0.003	0.000	0.000	0.003	0.000	0.000	0.041
Steele City	SD	Harding	318.602	318.820	0.217	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	0.193	0.017	0.017	0.000	0.000	0.017	0.000	0.000	0.209
Steele City	SD	Harding	318.820	319.486	0.666	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	0.500	0.113	0.113	0.000	0.000	0.113	0.000	0.000	0.606
Steele City	SD	Harding	319.486	319.855	0.369	SD063	Zeona loamy fine sand, 9 to 25 percent slopes	0.332	0.369	0.037	0.000	0.000	0.037	0.000	0.000	0.351
Steele City	SD	Harding	319.855	319.928	0.072	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	0.054	0.012	0.012	0.000	0.000	0.012	0.000	0.000	0.066
Steele City	SD	Harding	319.928	320.009	0.081	SD063	Zeona loamy fine sand, 9 to 25 percent slopes	0.073	0.081	0.008	0.000	0.000	0.008	0.000	0.000	0.077
Steele City	SD	Harding	320.009	320.064	0.055	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	0.042	0.009	0.009	0.000	0.000	0.009	0.000	0.000	0.051

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Harding	320.064	320.607	0.543	SD063	Zeona loamy fine sand, 9 to 25 percent slopes	0.489	0.543	0.054	0.000	0.000	0.054	0.000	0.000	0.516
Steele City	SD	Harding	320.607	320.725	0.118	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	0.105	0.009	0.009	0.000	0.000	0.009	0.000	0.000	0.114
Steele City	SD	Harding	320.725	321.763	1.037	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.124	0.093	0.000	0.000	0.124	0.000	0.000	0.944
Steele City	SD	Harding	321.763	321.809	0.047	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	0.042	0.004	0.004	0.000	0.000	0.004	0.000	0.000	0.045
Steele City	SD	Harding	321.809	321.875	0.066	SD063	Chinook fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.007	0.066	0.000	0.010	0.003	0.000	0.059
Steele City	SD	Harding	321.875	321.946	0.070	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	0.063	0.006	0.006	0.000	0.000	0.006	0.000	0.000	0.068
Steele City	SD	Harding	321.946	322.051	0.106	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.000	0.005	0.016	0.106	0.000	0.016	0.000	0.000	0.005
Steele City	SD	Harding	322.051	322.143	0.092	SD063	Chinook fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.010	0.092	0.000	0.014	0.004	0.000	0.082
Steele City	SD	Harding	322.143	322.637	0.494	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.000	0.025	0.074	0.494	0.000	0.074	0.000	0.000	0.025
Steele City	SD	Harding	322.637	322.797	0.160	SD063	Chinook-Archin fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.064	0.000	0.000	0.072	0.008	0.000	0.096
Steele City	SD	Harding	322.797	323.017	0.219	SD063	Chinook fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.024	0.219	0.000	0.033	0.009	0.000	0.195
Steele City	SD	Harding	323.017	323.108	0.092	SD063	Hanly-Dogiecreek fine sandy loams	0.000	0.000	0.049	0.000	0.032	0.018	0.000	0.000	0.000
Steele City	SD	Harding	323.108	323.209	0.100	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	0.089	0.008	0.008	0.000	0.000	0.008	0.000	0.000	0.096
Steele City	SD	Harding	323.209	323.250	0.042	SD063	Zeona-Blownout land complex, 2 to 15 percent slopes	0.025	0.002	0.002	0.000	0.000	0.002	0.000	0.000	0.029
Steele City	SD	Harding	323.250	323.315	0.065	SD063	Trey-Parchin-Bullock complex, 2 to 9 percent slopes	0.029	0.003	0.031	0.000	0.000	0.030	0.000	0.000	0.049
Steele City	SD	Harding	323.315	323.478	0.162	SD063	Hanly-Slickspots complex	0.097	0.000	0.065	0.000	0.002	0.063	0.000	0.000	0.097
Steele City	SD	Harding	323.478	323.547	0.069	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	0.061	0.006	0.006	0.000	0.000	0.006	0.000	0.000	0.066
Steele City	SD	Harding	323.547	323.740	0.193	SD063	Fleak-Trey-Rock outcrop complex, 15 to 50 percent slopes	0.232	0.174	0.019	0.000	0.000	0.019	0.039	0.039	0.135
Steele City	SD	Harding	323.740	324.028	0.288	SD063	Trey loamy fine sand, 2 to 9 percent slopes	0.265	0.023	0.023	0.000	0.000	0.023	0.000	0.000	0.277
Steele City	SD	Harding	324.028	324.561	0.534	SD063	Fleak-Trey-Rock outcrop complex, 15 to 50 percent slopes	0.640	0.480	0.053	0.000	0.000	0.053	0.107	0.107	0.374
Steele City	SD	Harding	324.561	324.956	0.395	SD063	Zeona-Blownout land complex, 2 to 15 percent slopes	0.237	0.020	0.020	0.000	0.000	0.020	0.000	0.000	0.276
Steele City	SD	Harding	324.956	325.176	0.220	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	0.165	0.037	0.037	0.000	0.000	0.037	0.000	0.000	0.200
Steele City	SD	Harding	325.176	325.481	0.305	SD063	Fleak-Trey-Rock outcrop complex, 15 to 50 percent slopes	0.366	0.274	0.030	0.000	0.000	0.030	0.061	0.061	0.213
Steele City	SD	Harding	325.481	325.567	0.086	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.010	0.008	0.000	0.000	0.010	0.000	0.000	0.078
Steele City	SD	Harding	325.567	325.619	0.052	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.005	0.023	0.000	0.000	0.018	0.000	0.000	0.013
Steele City	SD	Harding	325.619	325.663	0.044	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.005	0.004	0.000	0.000	0.005	0.000	0.000	0.040
Steele City	SD	Harding	325.663	326.001	0.339	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.034	0.152	0.000	0.000	0.118	0.000	0.000	0.085
Steele City	SD	Harding	326.001	326.301	0.300	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.000	0.015	0.045	0.300	0.000	0.045	0.000	0.000	0.015
Steele City	SD	Harding	326.301	326.416	0.114	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.014	0.010	0.000	0.000	0.014	0.000	0.000	0.104
Steele City	SD	Harding	326.416	326.663	0.248	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.092	0.000	0.000	0.248	0.017	0.000	0.141
Steele City	SD	Harding	326.663	326.702	0.039	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.004	0.018	0.000	0.000	0.014	0.000	0.000	0.010
Steele City	SD	Harding	326.702	326.875	0.172	SD063	Assinniboine fine sandy loam, 3 to 6 percent slopes	0.000	0.000	0.019	0.172	0.000	0.172	0.000	0.000	0.147
Steele City	SD	Harding	326.875	326.908	0.033	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.012	0.000	0.000	0.033	0.002	0.000	0.019
Steele City	SD	Harding	326.908	327.167	0.259	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.039	0.223	0.000	0.000	0.241	0.000	0.000	0.137
Steele City	SD	Harding	327.167	327.366	0.199	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.020	0.089	0.000	0.000	0.070	0.000	0.000	0.050
Steele City	SD	Harding	327.366	327.625	0.259	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.000	0.013	0.039	0.259	0.000	0.039	0.000	0.000	0.013
Steele City	SD	Harding	327.625	327.724	0.099	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.015	0.085	0.000	0.000	0.092	0.000	0.000	0.053
Steele City	SD	Harding	327.724	328.152	0.428	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.000	0.021	0.064	0.428	0.000	0.064	0.000	0.000	0.021
Steele City	SD	Harding	328.152	328.202	0.050	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.044	0.000	0.000	0.047	0.000	0.000	0.007
Steele City	SD	Harding	328.202	328.373	0.170	SD063	Gerdrum silt loam, 0 to 4 percent slopes	0.000	0.000	0.170	0.000	0.000	0.170	0.000	0.000	0.000
Steele City	SD	Harding	328.373	328.390	0.018	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.015	0.000	0.000	0.017	0.000	0.000	0.002
Steele City	SD	Harding	328.390	328.397	0.007	SD063	Gerdrum silt loam, 0 to 4 percent slopes	0.000	0.000	0.007	0.000	0.000	0.007	0.000	0.000	0.000
Steele City	SD	Harding	328.397	328.514	0.117	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.111	0.065	0.000	0.000	0.113	0.000	0.000	0.000
Steele City	SD	Harding	328.514	328.581	0.067	SD063	Korchea loam	0.000	0.000	0.010	0.067	0.001	0.067	0.000	0.000	0.000
Steele City	SD	Harding	328.581	328.945	0.363	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.345	0.203	0.000	0.000	0.352	0.000	0.000	0.000
Steele City	SD	Harding	328.945	329.068	0.123	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.117	0.010	0.000	0.000	0.079	0.035	0.031	0.000
Steele City	SD	Harding	329.068	329.131	0.063	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.009	0.054	0.000	0.000	0.058	0.000	0.000	0.033
Steele City	SD	Harding	329.131	329.207	0.076	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.072	0.006	0.000	0.000	0.049	0.021	0.019	0.000
Steele City	SD	Harding	329.207	329.335	0.128	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.004	0.103	0.000	0.000	0.113	0.000	0.000	0.050
Steele City	SD	Harding	329.335	329.483	0.148	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.022	0.127	0.000	0.000	0.138	0.000	0.000	0.078
Steele City	SD	Harding	329.483	329.646	0.164	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.005	0.131	0.000	0.000	0.144	0.000	0.000	0.064
Steele City	SD	Harding	329.646	329.693	0.047	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.007	0.040	0.000	0.000	0.044	0.000	0.000	0.025
Steele City	SD	Harding	329.693	329.761	0.068	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.002	0.055	0.000	0.000	0.060	0.000	0.000	0.027
Steele City	SD	Harding	329.761	329.839	0.078	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.012	0.067	0.000	0.000	0.072	0.000	0.000	0.041
Steele City	SD	Harding	329.839	330.339	0.500	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.015	0.400	0.000	0.000	0.440	0.000	0.000	0.195
Steele City	SD	Harding	330.339	330.405	0.067	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.027	0.023	0.000	0.000	0.027	0.000	0.000	0.057
Steele City	SD	Harding	330.405	330.429	0.023	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.020	0.000	0.000	0.022	0.000	0.000	0.003

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Harding	330.429	330.457	0.029	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.001	0.023	0.000	0.000	0.025	0.000	0.000	0.011
Steele City	SD	Harding	330.457	330.628	0.171	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.149	0.000	0.000	0.161	0.000	0.000	0.022
Steele City	SD	Harding	330.628	330.731	0.103	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.098	0.058	0.000	0.000	0.100	0.000	0.000	0.000
Steele City	SD	Harding	330.731	330.854	0.123	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.107	0.000	0.000	0.116	0.000	0.000	0.016
Steele City	SD	Harding	330.854	330.948	0.093	SD063	Cabbart loam, 6 to 60 percent slopes, extremely stony	0.000	0.086	0.080	0.000	0.000	0.086	0.074	0.000	0.005
Steele City	SD	Harding	330.948	331.053	0.105	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.014	0.036	0.000	0.000	0.091	0.000	0.000	0.030
Steele City	SD	Harding	331.053	331.539	0.486	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.015	0.389	0.000	0.000	0.428	0.000	0.000	0.190
Steele City	SD	Harding	331.539	331.846	0.308	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.292	0.172	0.000	0.000	0.298	0.000	0.000	0.000
Steele City	SD	Harding	331.846	332.259	0.412	SD063	Tanna-Rhoades complex, 2 to 9 percent slopes	0.000	0.412	0.371	0.000	0.000	0.412	0.000	0.000	0.000
Steele City	SD	Harding	332.259	332.524	0.265	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.040	0.228	0.000	0.000	0.246	0.000	0.000	0.140
Steele City	SD	Harding	332.524	332.577	0.053	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.050	0.030	0.000	0.000	0.052	0.000	0.000	0.000
Steele City	SD	Harding	332.577	333.068	0.491	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.015	0.393	0.000	0.000	0.432	0.000	0.000	0.191
Steele City	SD	Harding	333.068	333.101	0.033	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.005	0.028	0.000	0.000	0.031	0.000	0.000	0.017
Steele City	SD	Harding	333.101	333.131	0.031	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.001	0.024	0.000	0.000	0.027	0.000	0.000	0.012
Steele City	SD	Harding	333.131	333.339	0.208	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.031	0.179	0.000	0.000	0.193	0.000	0.000	0.110
Steele City	SD	Harding	333.339	333.589	0.249	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.032	0.085	0.000	0.000	0.217	0.000	0.000	0.072
Steele City	SD	Harding	333.589	333.659	0.071	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.002	0.057	0.000	0.000	0.062	0.000	0.000	0.028
Steele City	SD	Harding	333.659	333.745	0.086	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.011	0.029	0.000	0.000	0.075	0.000	0.000	0.025
Steele City	SD	Harding	333.745	333.901	0.155	SD063	Marmarth-Twilight fine sandy loams, 9 to 15 percent slopes	0.000	0.109	0.030	0.000	0.000	0.098	0.000	0.000	0.056
Steele City	SD	Harding	333.901	334.072	0.172	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.069	0.060	0.000	0.000	0.069	0.000	0.000	0.146
Steele City	SD	Harding	334.072	334.170	0.098	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.093	0.008	0.000	0.000	0.063	0.027	0.024	0.000
Steele City	SD	Harding	334.170	334.235	0.065	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.006	0.029	0.000	0.000	0.023	0.000	0.000	0.016
Steele City	SD	Harding	334.235	334.389	0.154	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.005	0.123	0.000	0.000	0.136	0.000	0.000	0.060
Steele City	SD	Harding	334.389	334.489	0.101	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.040	0.035	0.000	0.000	0.040	0.000	0.000	0.086
Steele City	SD	Harding	334.489	334.537	0.048	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.007	0.041	0.000	0.000	0.044	0.000	0.000	0.025
Steele City	SD	Harding	334.537	335.651	1.114	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.446	0.390	0.000	0.000	0.446	0.000	0.000	0.947
Steele City	SD	Harding	335.651	335.747	0.096	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.038	0.034	0.000	0.000	0.019	0.000	0.000	0.062
Steele City	SD	Harding	335.747	335.884	0.137	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.055	0.048	0.000	0.000	0.055	0.000	0.000	0.117
Steele City	SD	Harding	335.884	336.030	0.146	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.058	0.051	0.000	0.000	0.029	0.000	0.000	0.095
Steele City	SD	Harding	336.030	336.193	0.162	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.065	0.057	0.000	0.000	0.065	0.000	0.000	0.138
Steele City	SD	Harding	336.193	336.348	0.156	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.023	0.134	0.000	0.000	0.145	0.000	0.000	0.082
Steele City	SD	Harding	336.348	336.526	0.178	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.005	0.142	0.000	0.000	0.156	0.000	0.000	0.069
Steele City	SD	Harding	336.526	336.626	0.100	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.040	0.035	0.000	0.000	0.020	0.000	0.000	0.065
Steele City	SD	Harding	336.626	336.792	0.165	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.066	0.058	0.000	0.000	0.066	0.000	0.000	0.141
Steele City	SD	Harding	336.792	336.958	0.167	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.025	0.143	0.000	0.000	0.155	0.000	0.000	0.088
Steele City	SD	Harding	336.958	337.122	0.164	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.066	0.057	0.000	0.000	0.033	0.000	0.000	0.106
Steele City	SD	Harding	337.122	337.207	0.084	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.011	0.029	0.000	0.000	0.073	0.000	0.000	0.024
Steele City	SD	Harding	337.207	337.346	0.140	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.021	0.120	0.000	0.000	0.130	0.000	0.000	0.074
Steele City	SD	Harding	337.346	337.425	0.079	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.010	0.027	0.000	0.000	0.069	0.000	0.000	0.023
Steele City	SD	Harding	337.425	337.546	0.120	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.018	0.104	0.000	0.000	0.112	0.000	0.000	0.064
Steele City	SD	Harding	337.546	337.973	0.427	SD063	Gerdrum silt loam, 0 to 4 percent slopes	0.000	0.000	0.427	0.000	0.000	0.427	0.000	0.000	0.000
Steele City	SD	Harding	337.973	338.069	0.096	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.038	0.034	0.000	0.000	0.038	0.000	0.000	0.082
Steele City	SD	Harding	338.069	338.237	0.168	SD063	Gerdrum silt loam, 0 to 4 percent slopes	0.000	0.000	0.168	0.000	0.000	0.168	0.000	0.000	0.000
Steele City	SD	Harding	338.237	338.405	0.168	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.025	0.144	0.000	0.000	0.156	0.000	0.000	0.089
Steele City	SD	Harding	338.405	338.544	0.139	SD063	Cabbart-Delridge loams, 15 to 40 percent slopes	0.000	0.128	0.013	0.000	0.000	0.124	0.004	0.000	0.004
Steele City	SD	Harding	338.544	338.714	0.171	SD063	Korchea loam, channeled	0.000	0.000	0.027	0.000	0.007	0.164	0.000	0.000	0.000
Steele City	SD	Harding	338.714	338.814	0.099	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.010	0.045	0.000	0.000	0.035	0.000	0.000	0.025
Steele City	SD	Harding	338.814	338.952	0.139	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.004	0.111	0.000	0.000	0.122	0.000	0.000	0.054
Steele City	SD	Harding	338.952	339.045	0.093	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.009	0.042	0.000	0.000	0.033	0.000	0.000	0.023
Steele City	SD	Harding	339.045	339.251	0.205	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.076	0.000	0.000	0.205	0.014	0.000	0.117
Steele City	SD	Harding	339.251	339.440	0.189	SD063	Gerdrum silt loam, 0 to 4 percent slopes	0.000	0.000	0.189	0.000	0.000	0.189	0.000	0.000	0.000
Steele City	SD	Harding	339.440	339.527	0.087	SD063	Assinniboine fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.013	0.087	0.000	0.087	0.000	0.000	0.074
Steele City	SD	Harding	339.527	339.630	0.103	SD063	Havre-Harlake complex	0.000	0.000	0.097	0.102	0.009	0.097	0.000	0.000	0.000
Steele City	SD	Harding	339.630	339.710	0.080	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.008	0.036	0.000	0.000	0.028	0.000	0.000	0.020
Steele City	SD	Harding	339.710	340.008	0.298	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.110	0.000	0.000	0.298	0.021	0.000	0.170
Steele City	SD	Harding	340.008	340.190	0.182	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.159	0.000	0.000	0.171	0.000	0.000	0.024
Steele City	SD	Harding	340.190	340.440	0.250	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.238	0.140	0.000	0.000	0.243	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Harding	340.440	340.577	0.137	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.055	0.048	0.000	0.000	0.055	0.000	0.000	0.116
Steele City	SD	Harding	340.577	340.610	0.033	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.005	0.028	0.000	0.000	0.031	0.000	0.000	0.018
Steele City	SD	Harding	340.610	340.658	0.048	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.019	0.017	0.000	0.000	0.019	0.000	0.000	0.041
Steele City	SD	Harding	340.658	340.718	0.061	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.009	0.052	0.000	0.000	0.056	0.000	0.000	0.032
Steele City	SD	Harding	340.718	340.773	0.055	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.048	0.000	0.000	0.052	0.000	0.000	0.007
Steele City	SD	Harding	340.773	340.881	0.108	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.016	0.092	0.000	0.000	0.100	0.000	0.000	0.057
Steele City	SD	Harding	340.881	341.605	0.724	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.630	0.000	0.000	0.681	0.000	0.000	0.094
Steele City	SD	Harding	341.605	341.664	0.059	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.022	0.000	0.000	0.059	0.004	0.000	0.033
Steele City	SD	Harding	341.664	341.727	0.063	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.055	0.000	0.000	0.059	0.000	0.000	0.008
Steele City	SD	Harding	341.727	341.830	0.103	SD063	Assinniboine fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.015	0.103	0.000	0.103	0.000	0.000	0.088
Steele City	SD	Harding	341.830	341.993	0.163	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.142	0.000	0.000	0.153	0.000	0.000	0.021
Steele City	SD	Harding	341.993	342.073	0.080	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.002	0.064	0.000	0.000	0.070	0.000	0.000	0.031
Steele City	SD	Harding	342.073	342.156	0.083	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.073	0.000	0.000	0.078	0.000	0.000	0.011
Steele City	SD	Harding	342.156	342.271	0.116	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.110	0.065	0.000	0.000	0.112	0.000	0.000	0.000
Steele City	SD	Harding	342.271	342.380	0.108	SD063	Bullock-Slickspots complex, 0 to 4 percent slopes	0.000	0.000	0.095	0.000	0.000	0.104	0.000	0.000	0.012
Steele City	SD	Harding	342.380	342.570	0.190	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.025	0.065	0.000	0.000	0.165	0.000	0.000	0.055
Steele City	SD	Harding	342.570	342.819	0.250	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.037	0.215	0.000	0.000	0.232	0.000	0.000	0.132
Steele City	SD	Harding	342.819	342.938	0.118	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.004	0.095	0.000	0.000	0.104	0.000	0.000	0.046
Steele City	SD	Harding	342.938	343.150	0.213	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.032	0.183	0.000	0.000	0.198	0.000	0.000	0.113
Steele City	SD	Harding	343.150	343.277	0.126	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.051	0.044	0.000	0.000	0.051	0.000	0.000	0.108
Steele City	SD	Harding	343.277	343.690	0.413	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.153	0.000	0.000	0.413	0.029	0.000	0.236
Steele City	SD	Harding	343.690	343.749	0.059	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.009	0.051	0.000	0.000	0.055	0.000	0.000	0.031
Steele City	SD	Harding	343.749	343.836	0.087	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.009	0.039	0.000	0.000	0.030	0.000	0.000	0.022
Steele City	SD	Harding	343.836	344.091	0.255	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.008	0.204	0.000	0.000	0.224	0.000	0.000	0.099
Steele City	SD	Harding	344.091	344.149	0.058	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.007	0.005	0.000	0.000	0.007	0.000	0.000	0.053
Steele City	SD	Harding	344.149	344.414	0.265	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.040	0.228	0.000	0.000	0.246	0.000	0.000	0.140
Steele City	SD	Harding	344.414	344.423	0.010	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.000	0.008	0.000	0.000	0.008	0.000	0.000	0.004
Steele City	SD	Harding	344.423	344.625	0.202	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.030	0.174	0.000	0.000	0.188	0.000	0.000	0.107
Steele City	SD	Harding	344.625	344.684	0.059	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.007	0.005	0.000	0.000	0.007	0.000	0.000	0.053
Steele City	SD	Harding	344.684	344.917	0.233	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.035	0.201	0.000	0.000	0.217	0.000	0.000	0.124
Steele City	SD	Harding	344.917	344.999	0.082	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.008	0.037	0.000	0.000	0.029	0.000	0.000	0.020
Steele City	SD	Harding	344.999	345.192	0.193	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.077	0.068	0.000	0.000	0.077	0.000	0.000	0.164
Steele City	SD	Harding	345.192	345.338	0.146	SD063	Chinook fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.016	0.146	0.000	0.022	0.006	0.000	0.130
Steele City	SD	Harding	345.338	345.468	0.129	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.052	0.045	0.000	0.000	0.052	0.000	0.000	0.110
Steele City	SD	Harding	345.468	346.286	0.818	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.082	0.368	0.000	0.000	0.286	0.000	0.000	0.205
Steele City	SD	Harding	346.286	346.338	0.052	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.002	0.041	0.000	0.000	0.046	0.000	0.000	0.020
Steele City	SD	Harding	346.338	346.362	0.024	SD063	Bullock-Slickspots complex, 0 to 4 percent slopes	0.000	0.000	0.021	0.000	0.000	0.023	0.000	0.000	0.003
Steele City	SD	Harding	346.362	346.514	0.153	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.005	0.122	0.000	0.000	0.134	0.000	0.000	0.059
Steele City	SD	Harding	346.514	346.649	0.135	SD063	Bullock-Slickspots complex, 0 to 4 percent slopes	0.000	0.000	0.119	0.000	0.000	0.130	0.000	0.000	0.015
Steele City	SD	Harding	346.649	346.747	0.098	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.003	0.078	0.000	0.000	0.086	0.000	0.000	0.038
Steele City	SD	Harding	346.747	346.791	0.044	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.017	0.015	0.000	0.000	0.017	0.000	0.000	0.037
Steele City	SD	Harding	346.791	346.863	0.072	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.007	0.032	0.000	0.000	0.025	0.000	0.000	0.018
Steele City	SD	Harding	346.863	346.884	0.021	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.008	0.007	0.000	0.000	0.008	0.000	0.000	0.018
Steele City	SD	Harding	346.884	347.000	0.117	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.111	0.065	0.000	0.000	0.113	0.000	0.000	0.000
Steele City	SD	Harding	347.000	347.062	0.062	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.025	0.022	0.000	0.000	0.012	0.000	0.000	0.040
Steele City	SD	Harding	347.062	347.140	0.078	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.031	0.027	0.000	0.000	0.031	0.000	0.000	0.066
Steele City	SD	Harding	347.140	347.158	0.018	SD063	Hanly loamy fine sand	0.015	0.000	0.002	0.000	0.001	0.002	0.000	0.000	0.015
Steele City	SD	Harding	347.158	347.352	0.195	SD063	Sage loam	0.000	0.000	0.195	0.000	0.165	0.195	0.000	0.000	0.000
Steele City	SD	Harding	347.352	347.456	0.103	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.041	0.036	0.000	0.000	0.021	0.000	0.000	0.067
Steele City	SD	Harding	347.456	347.780	0.324	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.308	0.181	0.000	0.000	0.314	0.000	0.000	0.000
Steele City	SD	Harding	347.780	347.899	0.120	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.048	0.042	0.000	0.000	0.024	0.000	0.000	0.078
Steele City	SD	Harding	347.899	347.969	0.069	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.066	0.039	0.000	0.000	0.067	0.000	0.000	0.000
Steele City	SD	Harding	347.969	348.051	0.082	SD063	Cabbart-Delridge loams, 15 to 40 percent slopes	0.000	0.075	0.007	0.000	0.000	0.073	0.002	0.000	0.002
Steele City	SD	Harding	348.051	348.225	0.175	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.166	0.014	0.000	0.000	0.112	0.049	0.044	0.000
Steele City	SD	Harding	348.225	348.371	0.146	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.127	0.000	0.000	0.137	0.000	0.000	0.019
Steele City	SD	Harding	348.371	348.383	0.012	SD063	Chinook-Archin fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.005	0.000	0.000	0.006	0.001	0.000	0.007
Steele City	SD	Harding	348.383	348.406	0.023	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.022	0.013	0.000	0.000	0.022	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Harding	348.406	348.459	0.053	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.051	0.004	0.000	0.000	0.034	0.015	0.013	0.000
Steele City	SD	Harding	348.459	348.540	0.081	SD063	Chinook-Archin fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.032	0.000	0.000	0.036	0.004	0.000	0.049
Steele City	SD	Harding	348.540	348.828	0.288	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.250	0.000	0.000	0.270	0.000	0.000	0.037
Steele City	SD	Harding	348.828	349.028	0.200	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.030	0.172	0.000	0.000	0.186	0.000	0.000	0.106
Steele City	SD	Harding	349.028	349.099	0.071	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.028	0.025	0.000	0.000	0.014	0.000	0.000	0.046
Steele City	SD	Harding	349.099	349.446	0.347	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.052	0.299	0.000	0.000	0.323	0.000	0.000	0.184
Steele City	SD	Harding	349.446	349.469	0.023	SD063	Trey-Parchin-Bullock complex, 2 to 9 percent slopes	0.010	0.001	0.011	0.000	0.000	0.011	0.000	0.000	0.017
Steele City	SD	Harding	349.469	349.769	0.300	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.045	0.258	0.000	0.000	0.279	0.000	0.000	0.159
Steele City	SD	Harding	349.769	349.868	0.098	SD063	Bullock fine sandy loam, 6 to 20 percent slopes, extremely stony	0.000	0.089	0.090	0.000	0.000	0.092	0.084	0.000	0.002
Steele City	SD	Harding	349.868	349.906	0.038	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.015	0.013	0.000	0.000	0.015	0.000	0.000	0.033
Steele City	SD	Harding	349.906	349.954	0.048	SD063	Cabbart loam, 6 to 60 percent slopes, extremely stony	0.000	0.044	0.041	0.000	0.000	0.044	0.038	0.000	0.002
Steele City	SD	Harding	349.954	350.429	0.476	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.190	0.167	0.000	0.000	0.190	0.000	0.000	0.404
Steele City	SD	Harding	350.429	350.538	0.109	SD063	Korchea-Archin complex	0.000	0.000	0.047	0.000	0.000	0.109	0.000	0.000	0.000
Steele City	SD	Harding	350.538	350.569	0.031	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.030	0.003	0.000	0.000	0.020	0.009	0.008	0.000
Steele City	SD	Harding	350.569	350.586	0.016	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.006	0.006	0.000	0.000	0.003	0.000	0.000	0.010
Steele City	SD	Harding	350.586	350.760	0.175	SD063	Rhoades-Daglum loams, 2 to 9 percent slopes	0.000	0.159	0.154	0.000	0.000	0.169	0.000	0.000	0.000
Steele City	SD	Harding	350.760	351.132	0.371	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.011	0.297	0.000	0.000	0.327	0.000	0.000	0.145
Steele City	SD	Harding	351.132	351.303	0.171	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.017	0.077	0.000	0.000	0.060	0.000	0.000	0.043
Steele City	SD	Harding	351.303	351.485	0.182	SD063	Bullock-Slickspots complex, 0 to 4 percent slopes	0.000	0.000	0.160	0.000	0.000	0.174	0.000	0.000	0.020
Steele City	SD	Harding	351.485	351.517	0.033	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.005	0.028	0.000	0.000	0.030	0.000	0.000	0.017
Steele City	SD	Harding	351.517	351.645	0.128	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.013	0.058	0.000	0.000	0.045	0.000	0.000	0.032
Steele City	SD	Harding	351.645	351.807	0.162	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.005	0.130	0.000	0.000	0.143	0.000	0.000	0.063
Steele City	SD	Harding	351.807	351.835	0.027	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.004	0.023	0.000	0.000	0.025	0.000	0.000	0.014
Steele City	SD	Harding	351.835	351.912	0.077	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.002	0.062	0.000	0.000	0.068	0.000	0.000	0.030
Steele City	SD	Harding	351.912	352.351	0.439	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.044	0.198	0.000	0.000	0.154	0.000	0.000	0.110
Steele City	SD	Harding	352.351	352.392	0.041	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.006	0.035	0.000	0.000	0.038	0.000	0.000	0.022
Steele City	SD	Harding	352.392	352.459	0.067	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.007	0.030	0.000	0.000	0.023	0.000	0.000	0.017
Steele City	SD	Harding	352.459	352.533	0.074	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.030	0.026	0.000	0.000	0.015	0.000	0.000	0.048
Steele City	SD	Harding	352.533	352.599	0.066	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.063	0.005	0.000	0.000	0.042	0.019	0.017	0.000
Steele City	SD	Harding	352.599	352.751	0.152	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.015	0.069	0.000	0.000	0.053	0.000	0.000	0.038
Steele City	SD	Harding	352.751	352.787	0.036	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.001	0.029	0.000	0.000	0.031	0.000	0.000	0.014
Steele City	SD	Harding	352.787	352.937	0.150	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.015	0.067	0.000	0.000	0.052	0.000	0.000	0.037
Steele City	SD	Harding	352.937	352.961	0.024	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.001	0.019	0.000	0.000	0.021	0.000	0.000	0.009
Steele City	SD	Harding	352.961	353.254	0.293	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.029	0.132	0.000	0.000	0.103	0.000	0.000	0.073
Steele City	SD	Harding	353.254	353.409	0.155	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.147	0.087	0.000	0.000	0.150	0.000	0.000	0.000
Steele City	SD	Harding	353.409	353.466	0.057	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	0.043	0.010	0.010	0.000	0.000	0.010	0.000	0.000	0.052
Steele City	SD	Harding	353.466	353.540	0.074	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.070	0.041	0.000	0.000	0.072	0.000	0.000	0.000
Steele City	SD	Harding	353.540	353.575	0.035	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.014	0.012	0.000	0.000	0.007	0.000	0.000	0.023
Steele City	SD	Harding	353.575	353.612	0.038	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.036	0.021	0.000	0.000	0.037	0.000	0.000	0.000
Steele City	SD	Harding	353.612	353.858	0.246	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.025	0.111	0.000	0.000	0.086	0.000	0.000	0.061
Steele City	SD	Harding	353.858	353.883	0.025	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.022	0.000	0.000	0.024	0.000	0.000	0.003
Steele City	SD	Harding	353.883	353.905	0.022	SD063	Bullock-Slickspots complex, 0 to 4 percent slopes	0.000	0.000	0.019	0.000	0.000	0.021	0.000	0.000	0.002
Steele City	SD	Butte	353.905	353.975	0.070	SD019	Absher-Slickspots complex, 0 to 9 percent slopes	0.000	0.038	0.061	0.000	0.000	0.067	0.000	0.000	0.006
Steele City	SD	Butte	353.975	354.096	0.121	SD019	Zeona loamy fine sand, 0 to 6 percent slopes	0.097	0.000	0.024	0.000	0.000	0.024	0.000	0.000	0.097
Steele City	SD	Butte	354.096	354.294	0.198	SD019	Absher-Slickspots complex, 0 to 9 percent slopes	0.000	0.107	0.175	0.000	0.000	0.190	0.000	0.000	0.016
Steele City	SD	Butte	354.294	354.321	0.027	SD019	Zeona loamy fine sand, 0 to 6 percent slopes	0.021	0.000	0.005	0.000	0.000	0.005	0.000	0.000	0.021
Steele City	SD	Butte	354.321	354.370	0.049	SD019	Absher-Slickspots complex, 0 to 9 percent slopes	0.000	0.027	0.043	0.000	0.000	0.047	0.000	0.000	0.004
Steele City	SD	Butte	354.370	354.616	0.246	SD019	Zeona loamy fine sand, 0 to 6 percent slopes	0.197	0.000	0.049	0.000	0.000	0.049	0.000	0.000	0.197
Steele City	SD	Butte	354.616	354.759	0.143	SD019	Badland	0.000	0.132	0.011	0.000	0.000	0.024	0.107	0.000	0.013
Steele City	SD	Butte	354.759	354.948	0.189	SD019	Twilight fine sandy loam, 3 to 25 percent slopes	0.000	0.161	0.038	0.000	0.000	0.038	0.000	0.000	0.151
Steele City	SD	Butte	354.948	355.240	0.292	SD019	Badland	0.000	0.268	0.023	0.000	0.000	0.050	0.219	0.000	0.026
Steele City	SD	Butte	355.240	355.653	0.412	SD019	Sorum fine sandy loam, 0 to 6 percent slopes	0.000	0.000	0.351	0.000	0.000	0.371	0.000	0.000	0.041
Steele City	SD	Butte	355.653	355.716	0.063	SD019	Archin-Slickspots complex, 0 to 3 percent slopes	0.000	0.000	0.059	0.000	0.000	0.061	0.000	0.000	0.003
Steele City	SD	Butte	355.716	355.913	0.197	SD019	Twilight fine sandy loam, 3 to 25 percent slopes	0.000	0.168	0.039	0.000	0.000	0.039	0.000	0.000	0.158
Steele City	SD	Butte	355.913	356.233	0.320	SD019	Sorum fine sandy loam, 0 to 6 percent slopes	0.000	0.000	0.272	0.000	0.000	0.288	0.000	0.000	0.032
Steele City	SD	Butte	356.233	356.292	0.059	SD019	Twilight-Blackhall fine sandy loams, 6 to 18 percent slopes	0.000	0.054	0.022	0.000	0.000	0.009	0.000	0.000	0.034
Steele City	SD	Butte	356.292	356.408	0.116	SD019	Sorum fine sandy loam, 0 to 6 percent slopes	0.000	0.000	0.098	0.000	0.000	0.104	0.000	0.000	0.012

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Butte	356.408	356.505	0.097	SD019	Hanly loamy fine sand,	0.087	0.000	0.005	0.000	0.005	0.010	0.000	0.000	0.087
Steele City	SD	Butte	356.505	357.481	0.976	SD019	Zeona loamy fine sand, 0 to 6 percent slopes	0.781	0.000	0.195	0.000	0.000	0.195	0.000	0.000	0.781
Steele City	SD	Butte	357.481	357.542	0.061	SD019	Archin-Slickspots complex, 0 to 3 percent slopes	0.000	0.000	0.057	0.000	0.000	0.059	0.000	0.000	0.002
Steele City	SD	Butte	357.542	357.607	0.065	SD019	Badland	0.000	0.060	0.005	0.000	0.000	0.011	0.049	0.000	0.006
Steele City	SD	Butte	357.607	357.638	0.030	SD019	Twilight fine sandy loam, 3 to 25 percent slopes	0.000	0.026	0.006	0.000	0.000	0.006	0.000	0.000	0.024
Steele City	SD	Perkins	357.638	357.669	0.032	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.010	0.010	0.000	0.000	0.018	0.000	0.000	0.021
Steele City	SD	Perkins	357.669	357.762	0.093	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.011	0.083	0.000	0.000	0.086	0.000	0.000	0.003
Steele City	SD	Perkins	357.762	358.199	0.436	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.135	0.144	0.000	0.004	0.253	0.000	0.000	0.284
Steele City	SD	Perkins	358.199	358.378	0.180	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.022	0.160	0.000	0.000	0.167	0.000	0.000	0.005
Steele City	SD	Perkins	358.378	358.416	0.037	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.012	0.012	0.000	0.000	0.022	0.000	0.000	0.024
Steele City	SD	Perkins	358.416	358.454	0.038	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.005	0.034	0.000	0.000	0.036	0.000	0.000	0.001
Steele City	SD	Perkins	358.454	358.570	0.116	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.036	0.038	0.000	0.001	0.067	0.000	0.000	0.076
Steele City	SD	Perkins	358.570	359.498	0.928	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.111	0.825	0.000	0.000	0.863	0.000	0.000	0.028
Steele City	SD	Perkins	359.498	359.763	0.266	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.082	0.088	0.000	0.003	0.154	0.000	0.000	0.173
Steele City	SD	Perkins	359.763	359.836	0.073	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.009	0.065	0.000	0.000	0.067	0.000	0.000	0.002
Steele City	SD	Perkins	359.836	360.034	0.198	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.188	0.000	0.000	0.198	0.000	0.000	0.059
Steele City	SD	Perkins	360.034	360.063	0.029	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.009	0.010	0.000	0.000	0.017	0.000	0.000	0.019
Steele City	SD	Perkins	360.063	360.154	0.091	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.086	0.000	0.000	0.091	0.000	0.000	0.027
Steele City	SD	Perkins	360.154	360.563	0.409	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.127	0.135	0.000	0.004	0.237	0.000	0.000	0.266
Steele City	SD	Perkins	360.563	360.647	0.083	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.079	0.000	0.000	0.083	0.000	0.000	0.025
Steele City	SD	Perkins	360.647	360.656	0.009	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.003	0.003	0.000	0.000	0.005	0.000	0.000	0.006
Steele City	SD	Perkins	360.656	360.695	0.039	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.037	0.000	0.000	0.039	0.000	0.000	0.012
Steele City	SD	Perkins	360.695	360.930	0.235	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.073	0.077	0.000	0.002	0.136	0.000	0.000	0.153
Steele City	SD	Perkins	360.930	360.958	0.028	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.026	0.000	0.000	0.028	0.000	0.000	0.008
Steele City	SD	Perkins	360.958	361.115	0.157	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.049	0.052	0.000	0.002	0.091	0.000	0.000	0.102
Steele City	SD	Perkins	361.115	361.370	0.256	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.243	0.000	0.000	0.256	0.000	0.000	0.077
Steele City	SD	Perkins	361.370	361.398	0.028	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.009	0.009	0.000	0.000	0.016	0.000	0.000	0.018
Steele City	SD	Perkins	361.398	361.510	0.112	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.107	0.000	0.000	0.112	0.000	0.000	0.034
Steele City	SD	Perkins	361.510	361.532	0.021	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.003	0.019	0.000	0.000	0.020	0.000	0.000	0.001
Steele City	SD	Perkins	361.532	361.577	0.045	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.043	0.000	0.000	0.045	0.000	0.000	0.014
Steele City	SD	Perkins	361.577	361.685	0.108	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.013	0.096	0.000	0.000	0.100	0.000	0.000	0.003
Steele City	SD	Perkins	361.685	361.834	0.149	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.141	0.000	0.000	0.149	0.000	0.000	0.045
Steele City	SD	Perkins	361.834	361.974	0.140	SD105	Shambo loam, channeled	0.000	0.000	0.011	0.000	0.001	0.010	0.010	0.000	0.010
Steele City	SD	Perkins	361.974	362.248	0.274	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.261	0.000	0.000	0.274	0.000	0.000	0.082
Steele City	SD	Perkins	362.248	362.433	0.185	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.057	0.061	0.000	0.002	0.107	0.000	0.000	0.120
Steele City	SD	Perkins	362.433	362.660	0.227	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.215	0.000	0.000	0.227	0.000	0.000	0.068
Steele City	SD	Perkins	362.660	362.759	0.099	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.012	0.088	0.000	0.000	0.092	0.000	0.000	0.003
Steele City	SD	Perkins	362.759	362.849	0.089	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.085	0.000	0.000	0.089	0.000	0.000	0.027
Steele City	SD	Perkins	362.849	362.889	0.041	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.005	0.036	0.000	0.000	0.038	0.000	0.000	0.001
Steele City	SD	Perkins	362.889	363.097	0.208	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.197	0.000	0.000	0.208	0.000	0.000	0.062
Steele City	SD	Perkins	363.097	363.340	0.243	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.029	0.216	0.000	0.000	0.226	0.000	0.000	0.007
Steele City	SD	Perkins	363.340	363.836	0.497	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.472	0.000	0.000	0.497	0.000	0.000	0.149
Steele City	SD	Perkins	363.836	364.060	0.224	SD105	Wabek sandy loam, 9 to 35 percent slopes	0.000	0.201	0.000	0.000	0.000	0.000	0.212	0.000	0.212
Steele City	SD	Perkins	364.060	364.295	0.235	SD105	Lohler-Trembles complex	0.012	0.000	0.167	0.235	0.002	0.164	0.009	0.000	0.012
Steele City	SD	Perkins	364.295	364.352	0.057	SD105	Trembles fine sandy loam	0.002	0.000	0.003	0.057	0.001	0.000	0.000	0.000	0.002
Steele City	SD	Perkins	364.352	364.484	0.132	SD105	Banks loamy fine sand	0.125	0.000	0.126	0.000	0.001	0.000	0.000	0.000	0.125
Steele City	SD	Perkins	364.484	364.519	0.035	SD105	Trembles fine sandy loam	0.001	0.000	0.002	0.035	0.000	0.000	0.000	0.000	0.001
Steele City	SD	Perkins	364.519	364.677	0.159	SD105	Lohler-Trembles complex	0.008	0.000	0.113	0.159	0.002	0.111	0.006	0.000	0.008
Steele City	SD	Perkins	364.677	365.087	0.410	SD105	Blackhall-Cabbart complex, 15 to 40 percent slopes	0.000	0.348	0.205	0.000	0.000	0.225	0.000	0.000	0.020
Steele City	SD	Perkins	365.087	365.175	0.088	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.083	0.000	0.000	0.088	0.000	0.000	0.026
Steele City	SD	Perkins	365.175	365.254	0.079	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.010	0.070	0.000	0.000	0.074	0.000	0.000	0.002
Steele City	SD	Perkins	365.254	365.340	0.086	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.082	0.000	0.000	0.086	0.000	0.000	0.026
Steele City	SD	Perkins	365.340	365.397	0.057	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.007	0.050	0.000	0.000	0.053	0.000	0.000	0.002
Steele City	SD	Perkins	365.397	365.600	0.203	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.193	0.000	0.000	0.203	0.000	0.000	0.061
Steele City	SD	Perkins	365.600	365.612	0.012	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.001	0.010	0.000	0.000	0.011	0.000	0.000	0.000
Steele City	SD	Perkins	365.612	365.633	0.021	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.020	0.000	0.000	0.021	0.000	0.000	0.006
Steele City	SD	Perkins	365.633	365.929	0.297	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.036	0.264	0.000	0.000	0.276	0.000	0.000	0.009

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Perkins	365.929	365.930	0.001	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.000
Steele City	SD	Perkins	365.930	366.072	0.142	SD105	Trembles soils, channeled	0.000	0.000	0.014	0.000	0.009	0.006	0.000	0.000	0.000
Steele City	SD	Perkins	366.072	366.237	0.165	SD105	Shambo loam	0.000	0.000	0.000	0.165	0.000	0.155	0.148	0.000	0.005
Steele City	SD	Perkins	366.237	366.469	0.231	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.028	0.206	0.000	0.000	0.215	0.000	0.000	0.007
Steele City	SD	Perkins	366.469	366.542	0.074	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.023	0.024	0.000	0.001	0.043	0.000	0.000	0.048
Steele City	SD	Perkins	366.542	366.602	0.059	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.007	0.053	0.000	0.000	0.055	0.000	0.000	0.002
Steele City	SD	Perkins	366.602	366.665	0.064	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.020	0.021	0.000	0.001	0.037	0.000	0.000	0.042
Steele City	SD	Perkins	366.665	366.700	0.035	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.004	0.031	0.000	0.000	0.032	0.000	0.000	0.001
Steele City	SD	Perkins	366.700	366.720	0.019	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.006	0.006	0.000	0.000	0.011	0.000	0.000	0.013
Steele City	SD	Perkins	366.720	367.155	0.436	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.052	0.388	0.000	0.000	0.405	0.000	0.000	0.013
Steele City	SD	Perkins	367.155	367.273	0.118	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.036	0.039	0.000	0.001	0.068	0.000	0.000	0.076
Steele City	SD	Perkins	367.273	367.586	0.313	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.038	0.278	0.000	0.000	0.291	0.000	0.000	0.009
Steele City	SD	Perkins	367.586	367.856	0.270	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.084	0.089	0.000	0.003	0.157	0.000	0.000	0.175
Steele City	SD	Perkins	367.856	367.893	0.038	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.005	0.034	0.000	0.000	0.035	0.000	0.000	0.001
Steele City	SD	Perkins	367.893	368.101	0.208	SD105	Rhoades-Rock outcrop complex, 6 to 20 percent slopes	0.000	0.195	0.123	0.000	0.000	0.123	0.000	0.000	0.000
Steele City	SD	Perkins	368.101	368.135	0.034	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.032	0.000	0.000	0.034	0.000	0.000	0.010
Steele City	SD	Perkins	368.135	368.178	0.044	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.005	0.039	0.000	0.000	0.041	0.000	0.000	0.001
Steele City	SD	Perkins	368.178	368.268	0.090	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.085	0.000	0.000	0.090	0.000	0.000	0.027
Steele City	SD	Perkins	368.268	368.463	0.195	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.023	0.174	0.000	0.000	0.181	0.000	0.000	0.006
Steele City	SD	Perkins	368.463	368.545	0.082	SD105	Rhoades-Rock outcrop complex, 6 to 20 percent slopes	0.000	0.077	0.048	0.000	0.000	0.048	0.000	0.000	0.000
Steele City	SD	Perkins	368.545	369.044	0.499	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.060	0.444	0.000	0.000	0.464	0.000	0.000	0.015
Steele City	SD	Perkins	369.044	369.161	0.118	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.036	0.039	0.000	0.001	0.068	0.000	0.000	0.076
Steele City	SD	Perkins	369.161	369.240	0.079	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.075	0.000	0.000	0.079	0.000	0.000	0.024
Steele City	SD	Perkins	369.240	369.368	0.128	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.015	0.114	0.000	0.000	0.119	0.000	0.000	0.004
Steele City	SD	Perkins	369.368	369.809	0.441	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.419	0.000	0.000	0.441	0.000	0.000	0.132
Steele City	SD	Perkins	369.809	369.953	0.144	SD105	Blackhall-Cabbart complex, 15 to 40 percent slopes	0.000	0.122	0.072	0.000	0.000	0.079	0.000	0.000	0.007
Steele City	SD	Perkins	369.953	370.050	0.098	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.012	0.087	0.000	0.000	0.091	0.000	0.000	0.003
Steele City	SD	Perkins	370.050	370.237	0.187	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.058	0.062	0.000	0.002	0.108	0.000	0.000	0.121
Steele City	SD	Perkins	370.237	370.509	0.272	SD105	Rhoades-Rock outcrop complex, 6 to 20 percent slopes	0.000	0.256	0.160	0.000	0.000	0.160	0.000	0.000	0.000
Steele City	SD	Perkins	370.509	370.566	0.057	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.054	0.000	0.000	0.057	0.000	0.000	0.017
Steele City	SD	Perkins	370.566	370.744	0.179	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.055	0.059	0.000	0.002	0.104	0.000	0.000	0.116
Steele City	SD	Perkins	370.744	370.960	0.215	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.205	0.000	0.000	0.215	0.000	0.000	0.065
Steele City	SD	Perkins	370.960	370.970	0.010	SD105	Blackhall-Cabbart complex, 15 to 40 percent slopes	0.000	0.009	0.005	0.000	0.000	0.006	0.000	0.000	0.001
Steele City	SD	Perkins	370.970	371.185	0.215	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.067	0.071	0.000	0.002	0.125	0.000	0.000	0.140
Steele City	SD	Perkins	371.185	371.272	0.087	SD105	Blackhall-Cabbart complex, 15 to 40 percent slopes	0.000	0.074	0.043	0.000	0.000	0.048	0.000	0.000	0.004
Steele City	SD	Perkins	371.272	371.285	0.013	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.013	0.000	0.000	0.013	0.000	0.000	0.004
Steele City	SD	Perkins	371.285	371.337	0.052	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.016	0.017	0.000	0.001	0.030	0.000	0.000	0.034
Steele City	SD	Perkins	371.337	371.413	0.076	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.000	0.000	0.073	0.000	0.000	0.076	0.000	0.000	0.023
Steele City	SD	Perkins	371.413	371.804	0.390	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.121	0.129	0.000	0.004	0.226	0.000	0.000	0.254
Steele City	SD	Perkins	371.804	372.137	0.333	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	0.000	0.007	0.317	0.333	0.003	0.333	0.000	0.000	0.000
Steele City	SD	Perkins	372.137	372.261	0.123	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.038	0.041	0.000	0.001	0.072	0.000	0.000	0.080
Steele City	SD	Perkins	372.261	372.572	0.312	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	0.000	0.006	0.296	0.312	0.003	0.312	0.000	0.000	0.000
Steele City	SD	Perkins	372.572	372.636	0.064	SD105	Marmarth loam, 2 to 6 percent slopes	0.000	0.005	0.005	0.064	0.000	0.059	0.000	0.000	0.004
Steele City	SD	Perkins	372.636	372.740	0.104	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	0.000	0.002	0.099	0.104	0.001	0.104	0.000	0.000	0.000
Steele City	SD	Perkins	372.740	372.857	0.117	SD105	Marmarth loam, 2 to 6 percent slopes	0.000	0.009	0.009	0.117	0.000	0.108	0.000	0.000	0.008
Steele City	SD	Perkins	372.857	372.883	0.026	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	0.000	0.001	0.024	0.026	0.000	0.026	0.000	0.000	0.000
Steele City	SD	Meade	372.883	372.910	0.028	SD601	Tanna-Savo complex, 2 to 6 percent slopes	0.000	0.002	0.017	0.028	0.000	0.028	0.000	0.000	0.000
Steele City	SD	Meade	372.910	373.043	0.132	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.000	0.000	0.119	0.132	0.000	0.132	0.000	0.000	0.000
Steele City	SD	Meade	373.043	373.233	0.190	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.165	0.000	0.002	0.179	0.000	0.000	0.057
Steele City	SD	Meade	373.233	373.524	0.291	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.073	0.102	0.000	0.000	0.151	0.000	0.000	0.058
Steele City	SD	Meade	373.524	373.762	0.238	SD601	Eapa-Delridge loams, 2 to 6 percent slopes	0.000	0.019	0.160	0.238	0.000	0.238	0.000	0.000	0.000
Steele City	SD	Meade	373.762	373.865	0.103	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.000	0.000	0.093	0.103	0.000	0.103	0.000	0.000	0.000
Steele City	SD	Meade	373.865	373.994	0.129	SD601	Gerdrum loam, 0 to 4 percent slopes	0.000	0.000	0.118	0.000	0.000	0.125	0.000	0.000	0.000
Steele City	SD	Meade	373.994	374.293	0.299	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.000	0.000	0.269	0.299	0.000	0.299	0.000	0.000	0.000
Steele City	SD	Meade	374.293	374.347	0.055	SD601	Gerdrum loam, 0 to 4 percent slopes	0.000	0.000	0.050	0.000	0.000	0.053	0.000	0.000	0.000
Steele City	SD	Meade	374.347	374.558	0.211	SD601	Eapa-Delridge loams, 2 to 6 percent slopes	0.000	0.017	0.141	0.211	0.000	0.211	0.000	0.000	0.000
Steele City	SD	Meade	374.558	374.765	0.207	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.000	0.000	0.186	0.000	0.000	0.186	0.000	0.000	0.124

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Meade	374.765	374.856	0.091	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.000	0.000	0.082	0.091	0.000	0.091	0.000	0.000	0.000
Steele City	SD	Meade	374.856	374.905	0.049	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.000	0.000	0.044	0.000	0.000	0.044	0.000	0.000	0.029
Steele City	SD	Meade	374.905	375.027	0.122	SD601	Tanna-Savo complex, 6 to 9 percent slopes	0.000	0.122	0.074	0.000	0.000	0.122	0.000	0.000	0.000
Steele City	SD	Meade	375.027	375.248	0.221	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.000	0.000	0.199	0.221	0.000	0.221	0.000	0.000	0.000
Steele City	SD	Meade	375.248	375.551	0.303	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.000	0.000	0.273	0.000	0.000	0.273	0.000	0.000	0.182
Steele City	SD	Meade	375.551	375.579	0.028	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.007	0.010	0.000	0.000	0.014	0.000	0.000	0.006
Steele City	SD	Meade	375.579	375.610	0.031	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.027	0.000	0.000	0.030	0.000	0.000	0.009
Steele City	SD	Meade	375.610	376.150	0.540	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.135	0.189	0.000	0.000	0.281	0.000	0.000	0.108
Steele City	SD	Meade	376.150	376.397	0.247	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.215	0.000	0.002	0.232	0.000	0.000	0.074
Steele City	SD	Meade	376.397	376.422	0.025	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.000	0.000	0.023	0.000	0.000	0.023	0.000	0.000	0.015
Steele City	SD	Meade	376.422	376.469	0.048	SD601	Bullock-Slickspots complex, 0 to 4 percent slopes	0.000	0.000	0.044	0.000	0.000	0.047	0.000	0.000	0.001
Steele City	SD	Meade	376.469	376.986	0.516	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.000	0.000	0.464	0.000	0.000	0.464	0.000	0.000	0.310
Steele City	SD	Meade	376.986	377.048	0.063	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.055	0.000	0.001	0.059	0.000	0.000	0.019
Steele City	SD	Meade	377.048	377.141	0.093	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.000	0.000	0.084	0.000	0.000	0.084	0.000	0.000	0.056
Steele City	SD	Meade	377.141	377.217	0.076	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.066	0.000	0.001	0.071	0.000	0.000	0.023
Steele City	SD	Meade	377.217	377.376	0.159	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.000	0.000	0.143	0.000	0.000	0.143	0.000	0.000	0.095
Steele City	SD	Meade	377.376	377.479	0.103	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.090	0.000	0.001	0.097	0.000	0.000	0.031
Steele City	SD	Meade	377.479	377.715	0.236	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.000	0.000	0.212	0.000	0.000	0.212	0.000	0.000	0.142
Steele City	SD	Meade	377.715	377.794	0.079	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.069	0.000	0.001	0.075	0.000	0.000	0.024
Steele City	SD	Meade	377.794	377.930	0.136	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.034	0.048	0.000	0.000	0.071	0.000	0.000	0.027
Steele City	SD	Meade	377.930	377.983	0.053	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.046	0.000	0.001	0.050	0.000	0.000	0.016
Steele City	SD	Meade	377.983	378.060	0.077	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.019	0.027	0.000	0.000	0.040	0.000	0.000	0.015
Steele City	SD	Meade	378.060	378.216	0.156	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.136	0.000	0.002	0.147	0.000	0.000	0.047
Steele City	SD	Meade	378.216	378.371	0.155	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.000	0.000	0.139	0.000	0.000	0.139	0.000	0.000	0.093
Steele City	SD	Meade	378.371	378.716	0.345	SD601	Bullock-Slickspots complex, 0 to 4 percent slopes	0.000	0.000	0.318	0.000	0.003	0.338	0.000	0.000	0.010
Steele City	SD	Meade	378.716	378.907	0.191	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.048	0.067	0.000	0.000	0.099	0.000	0.000	0.038
Steele City	SD	Meade	378.907	379.033	0.125	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.000	0.000	0.113	0.000	0.000	0.113	0.000	0.000	0.075
Steele City	SD	Meade	379.033	379.059	0.026	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.007	0.009	0.000	0.000	0.014	0.000	0.000	0.005
Steele City	SD	Meade	379.059	379.163	0.104	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.090	0.000	0.001	0.098	0.000	0.000	0.031
Steele City	SD	Meade	379.163	379.316	0.153	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.000	0.000	0.137	0.000	0.000	0.137	0.000	0.000	0.092
Steele City	SD	Meade	379.316	379.570	0.254	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.221	0.000	0.003	0.239	0.000	0.000	0.076
Steele City	SD	Meade	379.570	379.796	0.226	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.000	0.000	0.204	0.000	0.000	0.204	0.000	0.000	0.136
Steele City	SD	Meade	379.796	379.981	0.185	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.161	0.000	0.002	0.173	0.000	0.000	0.055
Steele City	SD	Meade	379.981	380.099	0.119	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.030	0.042	0.000	0.000	0.062	0.000	0.000	0.024
Steele City	SD	Meade	380.099	380.137	0.037	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.033	0.000	0.000	0.035	0.000	0.000	0.011
Steele City	SD	Meade	380.137	380.175	0.038	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.000	0.000	0.034	0.000	0.000	0.034	0.000	0.000	0.023
Steele City	SD	Meade	380.175	380.240	0.065	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.057	0.000	0.001	0.061	0.000	0.000	0.020
Steele City	SD	Meade	380.240	380.316	0.076	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.000	0.000	0.069	0.000	0.000	0.069	0.000	0.000	0.046
Steele City	SD	Meade	380.316	380.514	0.197	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.172	0.000	0.002	0.185	0.000	0.000	0.059
Steele City	SD	Meade	380.514	380.526	0.013	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.000	0.000	0.011	0.000	0.000	0.011	0.000	0.000	0.008
Steele City	SD	Meade	380.526	380.559	0.033	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.029	0.000	0.000	0.031	0.000	0.000	0.010
Steele City	SD	Meade	380.559	380.624	0.064	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.000	0.000	0.058	0.000	0.000	0.058	0.000	0.000	0.039
Steele City	SD	Meade	380.624	380.764	0.140	SD601	Bullock-Slickspots complex, 0 to 4 percent slopes	0.000	0.000	0.129	0.000	0.001	0.138	0.000	0.000	0.004
Steele City	SD	Meade	380.764	380.912	0.148	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.129	0.000	0.001	0.139	0.000	0.000	0.045
Steele City	SD	Meade	380.912	381.401	0.488	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.000	0.000	0.440	0.000	0.000	0.440	0.000	0.000	0.293
Steele City	SD	Meade	381.401	382.182	0.781	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.679	0.000	0.008	0.734	0.000	0.000	0.234
Steele City	SD	Meade	382.182	382.264	0.082	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.000	0.000	0.074	0.000	0.000	0.074	0.000	0.000	0.049
Steele City	SD	Meade	382.264	382.818	0.554	SD601	Gerdrum loam, 0 to 4 percent slopes	0.000	0.000	0.504	0.000	0.000	0.538	0.000	0.000	0.000
Steele City	SD	Meade	382.818	383.023	0.205	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.000	0.127	0.031	0.205	0.000	0.127	0.000	0.000	0.000
Steele City	SD	Meade	383.023	383.168	0.144	SD601	Gerdrum loam, 0 to 4 percent slopes	0.000	0.000	0.131	0.000	0.000	0.140	0.000	0.000	0.000
Steele City	SD	Meade	383.168	383.290	0.123	SD601	Havre loam, channeled	0.000	0.000	0.123	0.000	0.001	0.123	0.000	0.000	0.000
Steele City	SD	Meade	383.290	383.567	0.277	SD601	Gerdrum loam, 0 to 4 percent slopes	0.000	0.000	0.252	0.000	0.000	0.269	0.000	0.000	0.000
Steele City	SD	Meade	383.567	383.848	0.281	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	0.000	0.000	0.247	0.000	0.000	0.281	0.000	0.000	0.000
Steele City	SD	Meade	383.848	383.904	0.055	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.000	0.000	0.004	0.055	0.001	0.055	0.000	0.000	0.000
Steele City	SD	Meade	383.904	384.034	0.130	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	0.000	0.000	0.114	0.000	0.000	0.130	0.000	0.000	0.000
Steele City	SD	Meade	384.034	384.532	0.498	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.433	0.000	0.005	0.468	0.000	0.000	0.149
Steele City	SD	Meade	384.532	384.664	0.132	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	0.000	0.000	0.117	0.000	0.000	0.132	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Meade	384.664	384.866	0.202	SD601	Gerdrum loam, 0 to 4 percent slopes	0.000	0.000	0.184	0.000	0.000	0.196	0.000	0.000	0.000
Steele City	SD	Meade	384.866	384.995	0.128	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.032	0.045	0.000	0.000	0.067	0.000	0.000	0.026
Steele City	SD	Meade	384.995	385.008	0.014	SD601	Gerdrum loam, 0 to 4 percent slopes	0.000	0.000	0.012	0.000	0.000	0.013	0.000	0.000	0.000
Steele City	SD	Meade	385.008	385.209	0.200	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.174	0.000	0.002	0.188	0.000	0.000	0.060
Steele City	SD	Meade	385.209	385.350	0.142	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.035	0.050	0.000	0.000	0.074	0.000	0.000	0.028
Steele City	SD	Meade	385.350	385.395	0.045	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.039	0.000	0.000	0.042	0.000	0.000	0.013
Steele City	SD	Meade	385.395	385.486	0.091	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.023	0.032	0.000	0.000	0.047	0.000	0.000	0.018
Steele City	SD	Meade	385.486	385.560	0.074	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.000	0.000	0.066	0.000	0.000	0.066	0.000	0.000	0.044
Steele City	SD	Meade	385.560	385.627	0.067	SD601	Bullock-Slickspots complex, 0 to 4 percent slopes	0.000	0.000	0.061	0.000	0.001	0.065	0.000	0.000	0.002
Steele City	SD	Meade	385.627	385.728	0.101	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.025	0.035	0.000	0.000	0.053	0.000	0.000	0.020
Steele City	SD	Meade	385.728	385.866	0.138	SD601	Gerdrum loam, 0 to 4 percent slopes	0.000	0.000	0.125	0.000	0.000	0.134	0.000	0.000	0.000
Steele City	SD	Meade	385.866	385.949	0.083	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	0.000	0.000	0.073	0.000	0.000	0.083	0.000	0.000	0.000
Steele City	SD	Meade	385.949	385.994	0.045	SD601	Gerdrum loam, 0 to 4 percent slopes	0.000	0.000	0.041	0.000	0.000	0.044	0.000	0.000	0.000
Steele City	SD	Meade	385.994	386.053	0.059	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.051	0.000	0.001	0.055	0.000	0.000	0.018
Steele City	SD	Meade	386.053	386.134	0.081	SD601	Eapa loam, 2 to 6 percent slopes	0.000	0.000	0.077	0.081	0.001	0.081	0.000	0.000	0.000
Steele City	SD	Meade	386.134	386.257	0.123	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.107	0.000	0.001	0.115	0.000	0.000	0.037
Steele City	SD	Meade	386.257	386.318	0.062	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.015	0.022	0.000	0.000	0.032	0.000	0.000	0.012
Steele City	SD	Meade	386.318	386.525	0.206	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	0.000	0.000	0.182	0.000	0.000	0.206	0.000	0.000	0.000
Steele City	SD	Meade	386.525	386.578	0.053	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.013	0.019	0.000	0.000	0.028	0.000	0.000	0.011
Steele City	SD	Meade	386.578	386.661	0.083	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	0.000	0.000	0.073	0.000	0.000	0.083	0.000	0.000	0.000
Steele City	SD	Meade	386.661	387.211	0.550	SD601	Eapa-Delridge loams, 2 to 6 percent slopes	0.000	0.044	0.369	0.550	0.000	0.550	0.000	0.000	0.000
Steele City	SD	Meade	387.211	387.223	0.012	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.003	0.004	0.000	0.000	0.006	0.000	0.000	0.002
Steele City	SD	Meade	387.223	387.398	0.174	SD601	Grail silt loam	0.000	0.000	0.167	0.174	0.000	0.174	0.000	0.000	0.000
Steele City	SD	Meade	387.398	387.440	0.042	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.011	0.015	0.000	0.000	0.022	0.000	0.000	0.008
Steele City	SD	Meade	387.440	387.476	0.036	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	0.000	0.000	0.032	0.000	0.000	0.036	0.000	0.000	0.000
Steele City	SD	Meade	387.476	387.523	0.047	SD601	Grail silt loam	0.000	0.000	0.045	0.047	0.000	0.047	0.000	0.000	0.000
Steele City	SD	Meade	387.523	387.829	0.306	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	0.000	0.000	0.269	0.000	0.000	0.306	0.000	0.000	0.000
Steele City	SD	Meade	387.829	388.547	0.718	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.000	0.000	0.057	0.718	0.007	0.718	0.000	0.000	0.000
Steele City	SD	Meade	388.547	388.743	0.197	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.049	0.069	0.000	0.000	0.102	0.000	0.000	0.039
Steele City	SD	Meade	388.743	388.798	0.054	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	0.000	0.000	0.048	0.000	0.000	0.054	0.000	0.000	0.000
Steele City	SD	Meade	388.798	388.853	0.055	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.014	0.019	0.000	0.000	0.029	0.000	0.000	0.011
Steele City	SD	Meade	388.853	389.599	0.746	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.000	0.000	0.060	0.746	0.007	0.746	0.000	0.000	0.000
Steele City	SD	Meade	389.599	389.738	0.139	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.000	0.086	0.021	0.139	0.000	0.086	0.000	0.000	0.000
Steele City	SD	Meade	389.738	389.993	0.255	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.000	0.000	0.020	0.255	0.003	0.255	0.000	0.000	0.000
Steele City	SD	Meade	389.993	390.200	0.207	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.000	0.134	0.120	0.000	0.000	0.017	0.014	0.000	0.000
Steele City	SD	Meade	390.200	390.366	0.166	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.000	0.000	0.013	0.166	0.002	0.166	0.000	0.000	0.000
Steele City	SD	Meade	390.366	390.400	0.035	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.000	0.022	0.020	0.000	0.000	0.003	0.002	0.000	0.000
Steele City	SD	Meade	390.400	390.510	0.109	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.000	0.000	0.009	0.109	0.001	0.109	0.000	0.000	0.000
Steele City	SD	Meade	390.510	390.552	0.042	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.000	0.026	0.006	0.042	0.000	0.026	0.000	0.000	0.000
Steele City	SD	Meade	390.552	390.588	0.035	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.000	0.000	0.003	0.035	0.000	0.035	0.000	0.000	0.000
Steele City	SD	Meade	390.588	390.658	0.071	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.000	0.044	0.011	0.071	0.000	0.044	0.000	0.000	0.000
Steele City	SD	Meade	390.658	390.880	0.221	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.000	0.000	0.018	0.221	0.002	0.221	0.000	0.000	0.000
Steele City	SD	Meade	390.880	391.240	0.360	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.000	0.223	0.054	0.360	0.000	0.223	0.000	0.000	0.000
Steele City	SD	Meade	391.240	391.752	0.512	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.000	0.000	0.041	0.512	0.005	0.512	0.000	0.000	0.000
Steele City	SD	Meade	391.752	391.758	0.006	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.000	0.004	0.001	0.006	0.000	0.004	0.000	0.000	0.000
Steele City	SD	Meade	391.758	391.821	0.062	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.000	0.000	0.005	0.062	0.001	0.062	0.000	0.000	0.000
Steele City	SD	Meade	391.821	391.970	0.149	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.000	0.092	0.022	0.149	0.000	0.092	0.000	0.000	0.000
Steele City	SD	Meade	391.970	392.168	0.199	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.000	0.129	0.115	0.000	0.000	0.016	0.014	0.000	0.000
Steele City	SD	Meade	392.168	392.441	0.272	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.000	0.000	0.022	0.272	0.003	0.272	0.000	0.000	0.000
Steele City	SD	Meade	392.441	392.533	0.092	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.000	0.060	0.053	0.000	0.000	0.007	0.006	0.000	0.000
Steele City	SD	Meade	392.533	392.626	0.093	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.093	0.000	0.000	0.000	0.093	0.000	0.000	0.000
Steele City	SD	Meade	392.626	392.664	0.038	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.000	0.025	0.022	0.000	0.000	0.003	0.003	0.000	0.000
Steele City	SD	Meade	392.664	392.784	0.120	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.000	0.074	0.018	0.120	0.000	0.074	0.000	0.000	0.000
Steele City	SD	Meade	392.784	392.915	0.132	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.000	0.086	0.076	0.000	0.000	0.011	0.009	0.000	0.000
Steele City	SD	Meade	392.915	393.075	0.160	SD601	Assinniboine fine sandy loam, 6 to 9 percent slopes	0.000	0.152	0.016	0.160	0.000	0.152	0.000	0.000	0.000
Steele City	SD	Meade	393.075	393.268	0.193	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.000	0.125	0.112	0.000	0.000	0.015	0.013	0.000	0.000
Steele City	SD	Meade	393.268	393.556	0.287	SD601	Assinniboine fine sandy loam, 6 to 9 percent slopes	0.000	0.273	0.029	0.287	0.000	0.273	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Meade	393.556	393.785	0.229	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.218	0.034	0.000	0.000	0.229	0.000	0.000	0.011
Steele City	SD	Meade	393.785	393.904	0.119	SD601	Assinniboine fine sandy loam, 6 to 9 percent slopes	0.000	0.113	0.012	0.119	0.000	0.113	0.000	0.000	0.000
Steele City	SD	Meade	393.904	394.064	0.160	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.160	0.000	0.000	0.000	0.160	0.000	0.000	0.000
Steele City	SD	Meade	394.064	394.201	0.137	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.000	0.007	0.096	0.137	0.000	0.137	0.000	0.000	0.000
Steele City	SD	Meade	394.201	394.444	0.243	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.243	0.000	0.000	0.000	0.243	0.000	0.000	0.000
Steele City	SD	Meade	394.444	394.532	0.088	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.083	0.013	0.000	0.000	0.088	0.000	0.000	0.004
Steele City	SD	Meade	394.532	394.548	0.016	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.016	0.000	0.000	0.000	0.016	0.000	0.000	0.000
Steele City	SD	Meade	394.548	394.643	0.095	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.090	0.200	0.000	0.000	0.095	0.000	0.000	0.005
Steele City	SD	Meade	394.643	394.680	0.037	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.037	0.200	0.000	0.000	0.037	0.000	0.000	0.000
Steele City	SD	Meade	394.680	394.818	0.138	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.138	0.001	0.138	0.000	0.000	0.000
Steele City	SD	Meade	394.818	394.879	0.061	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.061	0.200	0.000	0.000	0.061	0.000	0.000	0.000
Steele City	SD	Meade	394.879	395.003	0.124	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.000	0.077	0.200	0.124	0.000	0.077	0.000	0.000	0.000
Steele City	SD	Meade	395.003	395.496	0.493	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.493	0.200	0.000	0.000	0.493	0.000	0.000	0.000
Steele City	SD	Meade	395.496	395.661	0.166	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.000	0.108	0.200	0.000	0.000	0.013	0.012	0.000	0.000
Steele City	SD	Meade	395.661	395.750	0.089	SD601	Blackhall-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.076	0.200	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	SD	Meade	395.750	395.888	0.137	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.000	0.089	0.200	0.000	0.000	0.011	0.010	0.000	0.000
Steele City	SD	Meade	395.888	396.090	0.202	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.192	0.200	0.000	0.000	0.202	0.000	0.000	0.010
Steele City	SD	Meade	396.090	396.244	0.154	SD601	Eapa loam, 6 to 9 percent slopes	0.000	0.154	0.200	0.154	0.000	0.154	0.000	0.000	0.000
Steele City	SD	Meade	396.244	396.709	0.465	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.465	0.200	0.000	0.000	0.465	0.000	0.000	0.000
Steele City	SD	Meade	396.709	396.767	0.058	SD601	Eapa-Delridge loams, 6 to 9 percent slopes	0.000	0.058	0.200	0.000	0.000	0.058	0.000	0.000	0.000
Steele City	SD	Meade	396.767	397.368	0.600	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.600	0.200	0.000	0.000	0.600	0.000	0.000	0.000
Steele City	SD	Meade	397.368	397.390	0.022	SD601	Gerdrum loam, 0 to 4 percent slopes	0.000	0.000	0.200	0.000	0.000	0.022	0.000	0.000	0.000
Steele City	SD	Meade	397.390	397.419	0.029	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.029	0.200	0.000	0.000	0.029	0.000	0.000	0.000
Steele City	SD	Meade	397.419	397.775	0.356	SD601	Gerdrum loam, 0 to 4 percent slopes	0.000	0.000	0.200	0.000	0.000	0.346	0.000	0.000	0.000
Steele City	SD	Meade	397.775	397.907	0.132	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.132	0.200	0.000	0.000	0.132	0.000	0.000	0.000
Steele City	SD	Meade	397.907	398.233	0.326	SD601	Gerdrum loam, 0 to 4 percent slopes	0.000	0.000	0.200	0.000	0.000	0.317	0.000	0.000	0.000
Steele City	SD	Meade	398.233	398.258	0.025	SD601	Lohmiller silty clay loam	0.001	0.000	0.200	0.025	0.000	0.023	0.000	0.000	0.001
Steele City	SD	Meade	398.258	398.287	0.029	SD601	Gerdrum loam, 0 to 4 percent slopes	0.000	0.000	0.200	0.000	0.000	0.029	0.000	0.000	0.000
Steele City	SD	Meade	398.287	398.533	0.246	SD601	Lohmiller silty clay loam	0.007	0.000	0.200	0.246	0.002	0.231	0.000	0.000	0.007
Steele City	SD	Meade	398.533	398.913	0.380	SD601	Abor silty clay, 2 to 6 percent slopes	0.000	0.019	0.200	0.380	0.000	0.380	0.000	0.000	0.000
Steele City	SD	Meade	398.913	399.072	0.159	SD601	Lohmiller silty clay loam	0.005	0.000	0.200	0.159	0.002	0.150	0.000	0.000	0.005
Steele City	SD	Meade	399.072	399.429	0.357	SD601	Havre loam	0.000	0.000	0.200	0.357	0.004	0.357	0.000	0.000	0.000
Steele City	SD	Meade	399.429	399.586	0.157	SD601	Havre loam, channeled	0.000	0.000	0.200	0.000	0.002	0.157	0.000	0.000	0.000
Steele City	SD	Meade	399.586	400.054	0.468	SD601	Lawther silty clay, 2 to 6 percent slopes	0.000	0.033	0.200	0.468	0.000	0.468	0.000	0.000	0.000
Steele City	SD	Meade	400.054	400.113	0.060	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.200	0.000	0.001	0.056	0.000	0.000	0.018
Steele City	SD	Meade	400.113	400.155	0.042	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.040	0.200	0.000	0.000	0.042	0.000	0.000	0.002
Steele City	SD	Meade	400.155	400.182	0.027	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.200	0.000	0.000	0.025	0.000	0.000	0.008
Steele City	SD	Meade	400.182	400.409	0.227	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.227	0.200	0.000	0.000	0.227	0.000	0.000	0.000
Steele City	SD	Meade	400.409	400.596	0.188	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.178	0.200	0.000	0.000	0.188	0.000	0.000	0.009
Steele City	SD	Meade	400.596	400.658	0.062	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.062	0.200	0.000	0.000	0.062	0.000	0.000	0.000
Steele City	SD	Meade	400.658	400.668	0.010	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.009	0.200	0.000	0.000	0.010	0.000	0.000	0.000
Steele City	SD	Meade	400.668	401.150	0.482	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.482	0.200	0.000	0.000	0.482	0.000	0.000	0.000
Steele City	SD	Meade	401.150	401.887	0.737	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.700	0.200	0.000	0.000	0.737	0.000	0.000	0.037
Steele City	SD	Meade	401.887	401.895	0.008	SD601	Eapa loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.008	0.000	0.008	0.000	0.000	0.000
Steele City	SD	Meade	401.895	403.352	1.458	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	1.385	0.200	0.000	0.000	1.458	0.000	0.000	0.073
Steele City	SD	Meade	403.352	403.611	0.259	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.259	0.000	0.259	0.000	0.000	0.000
Steele City	SD	Meade	403.611	403.639	0.028	SD601	Eapa-Grail complex, 6 to 9 percent slopes	0.000	0.028	0.200	0.028	0.000	0.028	0.000	0.000	0.000
Steele City	SD	Meade	403.639	403.702	0.063	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.060	0.200	0.000	0.000	0.063	0.000	0.000	0.003
Steele City	SD	Meade	403.702	403.993	0.291	SD601	Eapa-Grail complex, 6 to 9 percent slopes	0.000	0.291	0.200	0.291	0.000	0.291	0.000	0.000	0.000
Steele City	SD	Meade	403.993	404.732	0.739	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.739	0.000	0.739	0.000	0.000	0.000
Steele City	SD	Meade	404.732	404.846	0.114	SD601	Eapa-Grail complex, 6 to 9 percent slopes	0.000	0.114	0.200	0.114	0.000	0.114	0.000	0.000	0.000
Steele City	SD	Meade	404.846	404.882	0.036	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.036	0.000	0.036	0.000	0.000	0.000
Steele City	SD	Meade	404.882	404.982	0.100	SD601	Eapa-Grail complex, 6 to 9 percent slopes	0.000	0.100	0.200	0.100	0.000	0.100	0.000	0.000	0.000
Steele City	SD	Meade	404.982	405.046	0.064	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.064	0.000	0.064	0.000	0.000	0.000
Steele City	SD	Meade	405.046	405.264	0.218	SD601	Eapa-Grail complex, 6 to 9 percent slopes	0.000	0.218	0.200	0.218	0.000	0.218	0.000	0.000	0.000
Steele City	SD	Meade	405.264	406.002	0.738	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.701	0.200	0.000	0.000	0.738	0.000	0.000	0.037
Steele City	SD	Meade	406.002	406.010	0.008	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.008	0.200	0.000	0.000	0.008	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)	Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
Steele City	SD	Meade	406.010	406.037	0.026	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.025	0.200	0.000	0.000	0.026	0.000	0.000	0.001
Steele City	SD	Meade	406.037	406.099	0.062	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.062	0.200	0.000	0.000	0.062	0.000	0.000	0.000
Steele City	SD	Meade	406.099	406.135	0.036	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.034	0.200	0.000	0.000	0.036	0.000	0.000	0.002
Steele City	SD	Meade	406.135	406.336	0.202	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.202	0.000	0.202	0.000	0.000	0.000
Steele City	SD	Meade	406.336	406.650	0.314	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.298	0.200	0.000	0.000	0.314	0.000	0.000	0.016
Steele City	SD	Meade	406.650	406.840	0.190	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.190	0.000	0.190	0.000	0.000	0.000
Steele City	SD	Meade	406.840	407.032	0.192	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.182	0.200	0.000	0.000	0.192	0.000	0.000	0.010
Steele City	SD	Meade	407.032	407.055	0.024	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.024	0.000	0.024	0.000	0.000	0.000
Steele City	SD	Meade	407.055	407.143	0.087	SD601	Eapa loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.087	0.001	0.087	0.000	0.000	0.000
Steele City	SD	Meade	407.143	407.840	0.697	SD601	Eapa loam, 0 to 2 percent slopes	0.000	0.000	0.200	0.697	0.007	0.697	0.000	0.000	0.000
Steele City	SD	Meade	407.840	407.889	0.049	SD601	Nihill-Attewan complex, 4 to 20 percent slopes	0.000	0.032	0.200	0.000	0.000	0.046	0.042	0.000	0.015
Steele City	SD	Meade	407.889	407.954	0.064	SD601	Gerdrum loam, 0 to 4 percent slopes	0.000	0.000	0.200	0.000	0.000	0.063	0.000	0.000	0.000
Steele City	SD	Meade	407.954	408.006	0.052	SD601	Havre loam, channeled	0.000	0.000	0.200	0.000	0.001	0.052	0.000	0.000	0.000
Steele City	SD	Meade	408.006	408.313	0.307	SD601	Havre loam	0.000	0.000	0.200	0.307	0.003	0.307	0.000	0.000	0.000
Steele City	SD	Meade	408.313	408.510	0.197	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.197	0.000	0.197	0.000	0.000	0.000
Steele City	SD	Meade	408.510	408.571	0.060	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000	0.000	0.200	0.000	0.001	0.057	0.000	0.000	0.018
Steele City	SD	Meade	408.571	408.612	0.041	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.039	0.200	0.000	0.000	0.041	0.000	0.000	0.002
Steele City	SD	Meade	408.612	408.799	0.187	SD601	Tanna-Savo complex, 2 to 6 percent slopes	0.000	0.013	0.200	0.187	0.000	0.187	0.000	0.000	0.000
Steele City	SD	Meade	408.799	409.090	0.291	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.291	0.000	0.291	0.000	0.000	0.000
Steele City	SD	Meade	409.090	409.189	0.099	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.094	0.200	0.000	0.000	0.099	0.000	0.000	0.005
Steele City	SD	Meade	409.189	409.537	0.348	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.348	0.000	0.348	0.000	0.000	0.000
Steele City	SD	Meade	409.537	409.709	0.172	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.172	0.200	0.000	0.000	0.172	0.000	0.000	0.000
Steele City	SD	Meade	409.709	410.035	0.326	SD601	Gerdrum loam, 0 to 4 percent slopes	0.000	0.000	0.200	0.000	0.000	0.316	0.000	0.000	0.000
Steele City	SD	Meade	410.035	410.267	0.232	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.221	0.200	0.000	0.000	0.232	0.000	0.000	0.012
Steele City	SD	Meade	410.267	410.472	0.205	SD601	Tanna-Savo complex, 2 to 6 percent slopes	0.000	0.014	0.200	0.205	0.000	0.205	0.000	0.000	0.000
Steele City	SD	Meade	410.472	410.685	0.213	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.213	0.000	0.213	0.000	0.000	0.000
Steele City	SD	Meade	410.685	410.732	0.047	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.044	0.200	0.000	0.000	0.047	0.000	0.000	0.002
Steele City	SD	Meade	410.732	410.908	0.176	SD601	Tanna-Savo complex, 2 to 6 percent slopes	0.000	0.012	0.200	0.176	0.000	0.176	0.000	0.000	0.000
Steele City	SD	Meade	410.908	411.160	0.252	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.239	0.200	0.000	0.000	0.252	0.000	0.000	0.013
Steele City	SD	Meade	411.160	411.273	0.113	SD601	Abor silty clay, 6 to 9 percent slopes	0.000	0.113	0.200	0.113	0.000	0.113	0.000	0.000	0.000
Steele City	SD	Meade	411.273	411.365	0.092	SD601	Lawther silty clay, 2 to 6 percent slopes	0.000	0.006	0.200	0.092	0.000	0.092	0.000	0.000	0.000
Steele City	SD	Meade	411.365	411.568	0.203	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.193	0.200	0.000	0.000	0.203	0.000	0.000	0.010
Steele City	SD	Meade	411.568	411.626	0.058	SD601	Abor silty clay, 2 to 6 percent slopes	0.000	0.003	0.200	0.058	0.000	0.058	0.000	0.000	0.000
Steele City	SD	Meade	411.626	411.744	0.118	SD601	Lawther silty clay, 2 to 6 percent slopes	0.000	0.008	0.200	0.118	0.000	0.118	0.000	0.000	0.000
Steele City	SD	Meade	411.744	411.750	0.006	SD601	Abor silty clay, 2 to 6 percent slopes	0.000	0.000	0.200	0.006	0.000	0.006	0.000	0.000	0.000
Steele City	SD	Meade	411.750	411.816	0.066	SD601	Lawther silty clay, 2 to 6 percent slopes	0.000	0.005	0.200	0.066	0.000	0.066	0.000	0.000	0.000
Steele City	SD	Meade	411.816	411.894	0.078	SD601	Abor silty clay, 2 to 6 percent slopes	0.000	0.004	0.200	0.078	0.000	0.078	0.000	0.000	0.000
Steele City	SD	Meade	411.894	411.922	0.028	SD601	Lawther silty clay, 2 to 6 percent slopes	0.000	0.002	0.200	0.028	0.000	0.028	0.000	0.000	0.000
Steele City	SD	Meade	411.922	412.136	0.214	SD601	Abor silty clay, 2 to 6 percent slopes	0.000	0.011	0.200	0.214	0.000	0.214	0.000	0.000	0.000
Steele City	SD	Meade	412.136	412.178	0.042	SD601	Lawther silty clay, 2 to 6 percent slopes	0.000	0.003	0.200	0.042	0.000	0.042	0.000	0.000	0.000
Steele City	SD	Meade	412.178	412.220	0.042	SD601	Abor silty clay, 2 to 6 percent slopes	0.000	0.002	0.200	0.042	0.000	0.042	0.000	0.000	0.000
Steele City	SD	Meade	412.220	412.346	0.126	SD601	Lawther silty clay, 2 to 6 percent slopes	0.000	0.009	0.200	0.126	0.000	0.126	0.000	0.000	0.000
Steele City	SD	Meade	412.346	412.379	0.033	SD601	Abor silty clay, 2 to 6 percent slopes	0.000	0.002	0.200	0.033	0.000	0.033	0.000	0.000	0.000
Steele City	SD	Meade	412.379	413.151	0.771	SD601	Abor silty clay, 6 to 9 percent slopes	0.000	0.771	0.200	0.771	0.000	0.771	0.000	0.000	0.000
Steele City	SD	Meade	413.151	413.263	0.112	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.106	0.200	0.000	0.000	0.112	0.000	0.000	0.006
Steele City	SD	Meade	413.263	413.461	0.198	SD601	Abor silty clay, 6 to 9 percent slopes	0.000	0.198	0.200	0.198	0.000	0.198	0.000	0.000	0.000
Steele City	SD	Meade	413.461	413.495	0.034	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.033	0.200	0.000	0.000	0.034	0.000	0.000	0.002
Steele City	SD	Meade	413.495	413.736	0.241	SD601	Abor silty clay, 6 to 9 percent slopes	0.000	0.241	0.200	0.241	0.000	0.241	0.000	0.000	0.000
Steele City	SD	Meade	413.736	413.839	0.103	SD601	Abor silty clay, 2 to 6 percent slopes	0.000	0.005	0.200	0.103	0.000	0.103	0.000	0.000	0.000
Steele City	SD	Meade	413.839	414.759	0.919	SD601	Abor silty clay, 6 to 9 percent slopes	0.000	0.919	0.200	0.919	0.000	0.919	0.000	0.000	0.000
Steele City	SD	Meade	414.759	414.887	0.128	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.122	0.200	0.000	0.000	0.128	0.000	0.000	0.006
Steele City	SD	Meade	414.887	415.020	0.133	SD601	Lawther silty clay, 2 to 6 percent slopes	0.000	0.009	0.200	0.133	0.000	0.133	0.000	0.000	0.000
Steele City	SD	Meade	415.020	415.177	0.157	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.149	0.200	0.000	0.000	0.157	0.000	0.000	0.008
Steele City	SD	Meade	415.177	415.210	0.033	SD601	Abor silty clay, 6 to 9 percent slopes	0.000	0.033	0.200	0.033	0.000	0.033	0.000	0.000	0.000
Steele City	SD	Meade	415.210	415.392	0.182	SD601	Gerdrum loam, 0 to 4 percent slopes	0.000	0.000	0.200	0.000	0.000	0.177	0.000	0.000	0.000
Steele City	SD	Meade	415.392	415.477	0.085	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.000	0.004	0.200	0.085	0.000	0.085	0.000	0.000	0.000
Steele City	SD	Meade	415.477	415.512	0.036	SD601	Gerdrum loam, 0 to 4 percent slopes	0.000	0.000	0.200	0.000	0.000	0.035	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Meade	415.512	415.526	0.013	SD601	Tanna-Savo complex, 6 to 9 percent slopes	0.000	0.013	0.200	0.000	0.000	0.013	0.000	0.000	0.000
Steele City	SD	Meade	415.526	415.566	0.040	SD601	Gerdrum loam, 0 to 4 percent slopes	0.000	0.000	0.200	0.000	0.000	0.039	0.000	0.000	0.000
Steele City	SD	Meade	415.566	415.897	0.332	SD601	Tanna-Savo complex, 6 to 9 percent slopes	0.000	0.332	0.200	0.000	0.000	0.332	0.000	0.000	0.000
Steele City	SD	Meade	415.897	416.086	0.188	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.000	0.009	0.200	0.188	0.000	0.188	0.000	0.000	0.000
Steele City	SD	Meade	416.086	416.154	0.069	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.065	0.200	0.000	0.000	0.069	0.000	0.000	0.003
Steele City	SD	Meade	416.154	416.189	0.035	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.000	0.002	0.200	0.035	0.000	0.035	0.000	0.000	0.000
Steele City	SD	Meade	416.189	416.478	0.289	SD601	Abor silty clay, 2 to 6 percent slopes	0.000	0.014	0.200	0.289	0.000	0.289	0.000	0.000	0.000
Steele City	SD	Meade	416.478	416.487	0.009	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.009	0.200	0.000	0.000	0.009	0.000	0.000	0.000
Steele City	SD	Meade	416.487	416.828	0.341	SD601	Abor silty clay, 2 to 6 percent slopes	0.000	0.017	0.200	0.341	0.000	0.341	0.000	0.000	0.000
Steele City	SD	Meade	416.828	416.975	0.147	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.000	0.007	0.200	0.147	0.000	0.147	0.000	0.000	0.000
Steele City	SD	Meade	416.975	417.147	0.172	SD601	Nunn clay loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.172	0.002	0.172	0.146	0.000	0.000
Steele City	SD	Meade	417.147	417.386	0.240	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.221	0.200	0.000	0.000	0.233	0.007	0.000	0.000
Steele City	SD	Meade	417.386	417.467	0.081	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.000	0.004	0.200	0.081	0.000	0.081	0.000	0.000	0.000
Steele City	SD	Meade	417.467	417.650	0.182	SD601	Nunn clay loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.182	0.002	0.182	0.155	0.000	0.000
Steele City	SD	Meade	417.650	418.021	0.372	SD601	Pierre-Samsil clays, 6 to 15 percent slopes	0.000	0.316	0.200	0.000	0.000	0.353	0.019	0.000	0.000
Steele City	SD	Meade	418.021	418.123	0.102	SD601	Nunn clay loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.102	0.001	0.102	0.086	0.000	0.000
Steele City	SD	Meade	418.123	418.324	0.201	SD601	Tanna-Savo complex, 2 to 6 percent slopes	0.000	0.014	0.200	0.201	0.000	0.201	0.000	0.000	0.000
Steele City	SD	Meade	418.324	419.074	0.750	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.690	0.200	0.000	0.000	0.727	0.022	0.000	0.000
Steele City	SD	Meade	419.074	419.117	0.043	SD601	Stetter clay	0.000	0.000	0.200	0.043	0.000	0.043	0.000	0.000	0.000
Steele City	SD	Meade	419.117	419.466	0.349	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.321	0.200	0.000	0.000	0.338	0.010	0.000	0.000
Steele City	SD	Meade	419.466	419.573	0.107	SD601	Samsil-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.099	0.200	0.000	0.000	0.064	0.043	0.000	0.000
Steele City	SD	Meade	419.573	419.904	0.331	SD601	Stetter clay	0.000	0.000	0.200	0.331	0.003	0.331	0.000	0.000	0.000
Steele City	SD	Meade	419.904	420.223	0.320	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.294	0.200	0.000	0.000	0.310	0.010	0.000	0.000
Steele City	SD	Meade	420.223	420.314	0.091	SD601	Stetter clay	0.000	0.000	0.200	0.091	0.001	0.091	0.000	0.000	0.000
Steele City	SD	Meade	420.314	420.494	0.179	SD601	Samsil-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.167	0.200	0.000	0.000	0.108	0.072	0.000	0.000
Steele City	SD	Meade	420.494	420.739	0.245	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.226	0.200	0.000	0.000	0.238	0.007	0.000	0.000
Steele City	SD	Meade	420.739	420.780	0.041	SD601	Samsil-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.038	0.200	0.000	0.000	0.025	0.016	0.000	0.000
Steele City	SD	Meade	420.780	420.901	0.121	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.111	0.200	0.000	0.000	0.117	0.004	0.000	0.000
Steele City	SD	Meade	420.901	420.942	0.042	SD601	Pierre-Samsil clays, 6 to 15 percent slopes	0.000	0.035	0.200	0.000	0.000	0.039	0.002	0.000	0.000
Steele City	SD	Meade	420.942	421.677	0.734	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.676	0.200	0.000	0.000	0.712	0.022	0.000	0.000
Steele City	SD	Meade	421.677	421.760	0.083	SD601	Lohmiller silty clay loam, channeled	0.000	0.000	0.200	0.000	0.001	0.083	0.000	0.000	0.000
Steele City	SD	Meade	421.760	421.852	0.093	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.085	0.200	0.000	0.000	0.090	0.003	0.000	0.000
Steele City	SD	Meade	421.852	422.104	0.251	SD601	Lohmiller silty clay loam, channeled	0.000	0.000	0.200	0.000	0.003	0.251	0.000	0.000	0.000
Steele City	SD	Meade	422.104	422.267	0.163	SD601	Lohmiller silty clay loam	0.005	0.000	0.200	0.163	0.002	0.153	0.000	0.000	0.005
Steele City	SD	Meade	422.267	422.658	0.392	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.360	0.200	0.000	0.000	0.380	0.012	0.000	0.000
Steele City	SD	Meade	422.658	422.750	0.092	SD601	Lohmiller silty clay loam, channeled	0.000	0.000	0.200	0.000	0.001	0.092	0.000	0.000	0.000
Steele City	SD	Meade	422.750	422.952	0.202	SD601	Lohmiller silty clay loam	0.006	0.000	0.200	0.202	0.002	0.190	0.000	0.000	0.006
Steele City	SD	Meade	422.952	423.283	0.331	SD601	Lohmiller silty clay loam, channeled	0.000	0.000	0.200	0.000	0.003	0.331	0.000	0.000	0.000
Steele City	SD	Meade	423.283	423.329	0.046	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.043	0.200	0.000	0.000	0.045	0.001	0.000	0.000
Steele City	SD	Meade	423.329	423.607	0.278	SD601	Lohmiller silty clay loam, channeled	0.000	0.000	0.200	0.000	0.003	0.278	0.000	0.000	0.000
Steele City	SD	Meade	423.607	423.667	0.059	SD601	Pierre-Samsil clays, 6 to 15 percent slopes	0.000	0.050	0.200	0.000	0.000	0.056	0.003	0.000	0.000
Steele City	SD	Meade	423.667	423.878	0.211	SD601	Kyle clay, 0 to 2 percent slopes	0.000	0.000	0.200	0.000	0.002	0.211	0.000	0.000	0.000
Steele City	SD	Meade	423.878	424.155	0.277	SD601	Kyle clay, 2 to 6 percent slopes	0.000	0.014	0.200	0.000	0.003	0.277	0.000	0.000	0.000
Steele City	SD	Meade	424.155	424.431	0.277	SD601	Pierre-Samsil clays, 6 to 15 percent slopes	0.000	0.235	0.200	0.000	0.000	0.263	0.014	0.000	0.000
Steele City	SD	Meade	424.431	424.496	0.064	SD601	Pierre clay, 2 to 6 percent slopes	0.000	0.004	0.200	0.000	0.000	0.064	0.000	0.000	0.000
Steele City	SD	Meade	424.496	424.655	0.160	SD601	Lohmiller silty clay loam, channeled	0.000	0.000	0.200	0.000	0.002	0.160	0.000	0.000	0.000
Steele City	SD	Meade	424.655	424.670	0.015	SD601	Lohmiller silty clay loam	0.000	0.000	0.200	0.015	0.000	0.014	0.000	0.000	0.000
Steele City	SD	Meade	424.670	424.695	0.025	SD601	Swanboy clay	0.000	0.000	0.200	0.000	0.000	0.025	0.000	0.000	0.000
Steele City	SD	Meade	424.695	424.769	0.074	SD601	Lohmiller silty clay loam	0.002	0.000	0.200	0.074	0.001	0.069	0.000	0.000	0.002
Steele City	SD	Meade	424.769	424.852	0.083	SD601	Swanboy clay	0.000	0.000	0.200	0.000	0.001	0.083	0.000	0.000	0.000
Steele City	SD	Meade	424.852	424.912	0.060	SD601	Lohmiller silty clay loam	0.002	0.000	0.200	0.060	0.001	0.057	0.000	0.000	0.002
Steele City	SD	Meade	424.912	425.058	0.146	SD601	Kyle clay, 2 to 6 percent slopes	0.000	0.007	0.200	0.000	0.001	0.146	0.000	0.000	0.000
Steele City	SD	Meade	425.058	425.177	0.119	SD601	Lohmiller silty clay loam	0.004	0.000	0.200	0.119	0.001	0.112	0.000	0.000	0.004
Steele City	SD	Meade	425.177	425.422	0.244	SD601	Glenberg fine sandy loam	0.020	0.000	0.200	0.244	0.000	0.017	0.000	0.000	0.020
Steele City	SD	Meade	425.422	425.544	0.122	SD601	Bankard loamy fine sand	0.110	0.000	0.200	0.000	0.000	0.006	0.000	0.000	0.110
Steele City	SD	Meade	425.544	425.597	0.053	SD601	Bankard gravelly loamy sand	0.047	0.000	0.200	0.000	0.000	0.000	0.047	0.000	0.047
Steele City	SD	Meade	425.597	425.605	0.008	SD601	Water	0.000	0.000	0.200	0.000	0.000	0.000	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Pennington	425.605	425.629	0.024	SD605	Water	0.000	0.000	0.200	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	SD	Pennington	425.629	425.927	0.299	SD605	Riverwash	0.278	0.000	0.200	0.000	0.254	0.000	0.024	0.000	0.278
Steele City	SD	Pennington	425.927	425.987	0.059	SD605	Lohmiller silty clay	0.000	0.000	0.200	0.059	0.001	0.059	0.003	0.000	0.000
Steele City	SD	Haakon	426.056	426.340	0.285	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.000	0.276	0.200	0.000	0.000	0.265	0.020	0.000	0.011
Steele City	SD	Haakon	426.340	426.443	0.102	SD055	Samsil clay, 25 to 60 percent slopes	0.000	0.099	0.200	0.000	0.000	0.095	0.007	0.000	0.004
Steele City	SD	Haakon	426.443	426.500	0.057	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.000	0.056	0.200	0.000	0.000	0.053	0.004	0.000	0.002
Steele City	SD	Haakon	426.500	426.746	0.246	SD055	Samsil clay, 25 to 60 percent slopes	0.000	0.238	0.200	0.000	0.000	0.228	0.017	0.000	0.010
Steele City	SD	Haakon	426.746	426.819	0.073	SD055	Schamber-Samsil complex, 6 to 60 percent slopes	0.000	0.073	0.200	0.000	0.000	0.034	0.042	0.000	0.039
Steele City	SD	Haakon	426.819	427.701	0.882	SD055	Kirley clay loam, 0 to 2 percent slopes	0.000	0.000	0.200	0.882	0.044	0.882	0.000	0.000	0.000
Steele City	SD	Haakon	427.701	428.047	0.347	SD055	Ree-Vivian complex, 6 to 15 percent slopes	0.000	0.243	0.200	0.000	0.000	0.243	0.121	0.000	0.208
Steele City	SD	Haakon	428.047	428.092	0.045	SD055	Ree loam, 0 to 2 percent slopes	0.000	0.000	0.200	0.045	0.000	0.045	0.000	0.000	0.043
Steele City	SD	Haakon	428.092	428.216	0.124	SD055	Schamber-Samsil complex, 6 to 60 percent slopes	0.000	0.124	0.200	0.000	0.000	0.057	0.071	0.000	0.066
Steele City	SD	Haakon	428.216	428.466	0.251	SD055	Samsil clay, 25 to 60 percent slopes	0.000	0.243	0.200	0.000	0.000	0.233	0.018	0.000	0.010
Steele City	SD	Haakon	428.466	428.684	0.218	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.000	0.211	0.200	0.000	0.000	0.202	0.015	0.000	0.009
Steele City	SD	Haakon	428.684	428.730	0.046	SD055	Kyle clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.046	0.000	0.046	0.000	0.000	0.000
Steele City	SD	Haakon	428.730	428.735	0.005	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.000	0.005	0.200	0.000	0.000	0.005	0.000	0.000	0.000
Steele City	SD	Haakon	428.735	428.864	0.129	SD055	Kyle clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.129	0.001	0.129	0.000	0.000	0.000
Steele City	SD	Haakon	428.864	428.949	0.085	SD055	Lohmiller silty clay, channeled	0.000	0.002	0.200	0.000	0.001	0.085	0.000	0.000	0.000
Steele City	SD	Haakon	428.949	429.076	0.127	SD055	Kyle clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.127	0.001	0.127	0.000	0.000	0.000
Steele City	SD	Haakon	429.076	429.101	0.025	SD055	Lohmiller silty clay, channeled	0.000	0.000	0.200	0.000	0.000	0.025	0.000	0.000	0.000
Steele City	SD	Haakon	429.101	429.141	0.040	SD055	Kyle clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.040	0.000	0.040	0.000	0.000	0.000
Steele City	SD	Haakon	429.141	429.562	0.421	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.000	0.409	0.200	0.000	0.000	0.392	0.030	0.000	0.017
Steele City	SD	Haakon	429.562	429.707	0.145	SD055	Samsil-Rock outcrop complex, 15 to 60 percent slopes	0.000	0.145	0.200	0.000	0.000	0.090	0.055	0.000	0.012
Steele City	SD	Haakon	429.707	429.863	0.155	SD055	Schamber-Samsil complex, 6 to 60 percent slopes	0.000	0.155	0.200	0.000	0.000	0.071	0.088	0.000	0.082
Steele City	SD	Haakon	429.863	430.008	0.145	SD055	Ree-Hoven complex	0.000	0.000	0.200	0.145	0.022	0.145	0.000	0.000	0.116
Steele City	SD	Haakon	430.008	431.762	1.754	SD055	Ree loam, 0 to 2 percent slopes	0.000	0.000	0.200	1.754	0.018	1.754	0.000	0.000	1.666
Steele City	SD	Haakon	431.762	431.951	0.189	SD055	Ree-Canning loams, 6 to 9 percent slopes	0.000	0.170	0.200	0.189	0.000	0.170	0.095	0.000	0.170
Steele City	SD	Haakon	431.951	432.158	0.207	SD055	Ree loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.207	0.006	0.207	0.000	0.000	0.186
Steele City	SD	Haakon	432.158	432.975	0.817	SD055	Ree loam, 0 to 2 percent slopes	0.000	0.000	0.200	0.817	0.008	0.817	0.000	0.000	0.776
Steele City	SD	Haakon	432.975	435.130	2.155	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.000	0.000	0.200	2.155	0.022	2.155	0.000	0.000	0.000
Steele City	SD	Haakon	435.130	435.164	0.034	SD055	Samsil clay, 25 to 60 percent slopes	0.000	0.033	0.200	0.000	0.000	0.031	0.002	0.000	0.001
Steele City	SD	Haakon	435.164	435.574	0.411	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.411	0.004	0.411	0.000	0.000	0.000
Steele City	SD	Haakon	435.574	435.696	0.122	SD055	Kirley clay loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.122	0.001	0.122	0.000	0.000	0.000
Steele City	SD	Haakon	435.696	435.815	0.118	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.000	0.000	0.200	0.000	0.004	0.118	0.000	0.000	0.000
Steele City	SD	Haakon	435.815	436.760	0.945	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.945	0.009	0.945	0.000	0.000	0.000
Steele City	SD	Haakon	436.760	436.934	0.174	SD055	Capa silt loam, 0 to 6 percent slopes	0.000	0.000	0.200	0.000	0.000	0.174	0.000	0.000	0.000
Steele City	SD	Haakon	436.934	437.152	0.218	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.218	0.002	0.218	0.000	0.000	0.000
Steele City	SD	Haakon	437.152	437.237	0.085	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.000	0.000	0.200	0.000	0.003	0.085	0.000	0.000	0.000
Steele City	SD	Haakon	437.237	437.329	0.092	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.092	0.001	0.092	0.000	0.000	0.000
Steele City	SD	Haakon	437.329	437.595	0.266	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.000	0.000	0.200	0.000	0.008	0.266	0.000	0.000	0.000
Steele City	SD	Haakon	437.595	437.821	0.227	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.227	0.011	0.227	0.000	0.000	0.000
Steele City	SD	Haakon	437.821	437.922	0.101	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.000	0.000	0.200	0.000	0.003	0.101	0.000	0.000	0.000
Steele City	SD	Haakon	437.922	438.008	0.085	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.077	0.200	0.000	0.000	0.085	0.000	0.000	0.000
Steele City	SD	Haakon	438.008	438.368	0.360	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.360	0.018	0.360	0.000	0.000	0.000
Steele City	SD	Haakon	438.368	438.583	0.215	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.200	0.200	0.000	0.006	0.215	0.000	0.000	0.000
Steele City	SD	Haakon	438.583	438.952	0.369	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.369	0.018	0.369	0.000	0.000	0.000
Steele City	SD	Haakon	438.952	439.293	0.341	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.307	0.200	0.000	0.000	0.341	0.000	0.000	0.000
Steele City	SD	Haakon	439.293	440.256	0.963	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.963	0.010	0.963	0.000	0.000	0.000
Steele City	SD	Haakon	440.256	440.611	0.355	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.320	0.200	0.000	0.000	0.355	0.000	0.000	0.000
Steele City	SD	Haakon	440.611	440.876	0.266	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.266	0.021	0.266	0.000	0.000	0.000
Steele City	SD	Haakon	440.876	440.906	0.030	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.030	0.000	0.030	0.000	0.000	0.000
Steele City	SD	Haakon	440.906	441.016	0.110	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.110	0.009	0.110	0.000	0.000	0.000
Steele City	SD	Haakon	441.016	441.056	0.041	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.000	0.000	0.200	0.000	0.001	0.041	0.000	0.000	0.000
Steele City	SD	Haakon	441.056	441.149	0.092	SD055	Wendte-Herdcamp silty clays, channeled	0.000	0.000	0.200	0.000	0.032	0.092	0.000	0.000	0.000
Steele City	SD	Haakon	441.149	441.181	0.032	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.000	0.000	0.200	0.000	0.001	0.032	0.000	0.000	0.000
Steele City	SD	Haakon	441.181	441.230	0.049	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.049	0.002	0.049	0.000	0.000	0.000
Steele City	SD	Haakon	441.230	442.739	1.510	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	1.510	0.015	1.510	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Haakon	442.739	442.800	0.060	SD055	Kolls clay	0.000	0.000	0.200	0.000	0.054	0.060	0.000	0.000	0.000
Steele City	SD	Haakon	442.800	443.255	0.455	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.455	0.005	0.455	0.000	0.000	0.000
Steele City	SD	Haakon	443.255	443.399	0.144	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.129	0.200	0.000	0.000	0.144	0.000	0.000	0.000
Steele City	SD	Haakon	443.399	443.582	0.183	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.170	0.200	0.000	0.005	0.183	0.000	0.000	0.000
Steele City	SD	Haakon	443.582	443.694	0.112	SD055	Wendte-Herdcamp silty clays, channeled	0.000	0.000	0.200	0.000	0.039	0.112	0.000	0.000	0.000
Steele City	SD	Haakon	443.694	443.805	0.111	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.000	0.108	0.200	0.000	0.000	0.103	0.008	0.000	0.004
Steele City	SD	Haakon	443.805	443.999	0.194	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.184	0.200	0.000	0.004	0.194	0.000	0.000	0.000
Steele City	SD	Haakon	443.999	444.019	0.020	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.020	0.001	0.020	0.000	0.000	0.000
Steele City	SD	Haakon	444.019	444.039	0.020	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.019	0.200	0.000	0.000	0.020	0.000	0.000	0.000
Steele City	SD	Haakon	444.039	444.353	0.314	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.314	0.016	0.314	0.000	0.000	0.000
Steele City	SD	Haakon	444.353	444.781	0.428	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.406	0.200	0.000	0.009	0.428	0.000	0.000	0.000
Steele City	SD	Haakon	444.781	444.993	0.212	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.212	0.011	0.212	0.000	0.000	0.000
Steele City	SD	Haakon	444.993	445.091	0.098	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.093	0.200	0.000	0.002	0.098	0.000	0.000	0.000
Steele City	SD	Haakon	445.091	446.243	1.152	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	1.152	0.058	1.152	0.000	0.000	0.000
Steele City	SD	Haakon	446.243	446.282	0.040	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.040	0.003	0.040	0.000	0.000	0.000
Steele City	SD	Haakon	446.282	446.773	0.491	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.491	0.025	0.491	0.000	0.000	0.000
Steele City	SD	Haakon	446.773	447.229	0.456	SD055	Ottumwa-Razor-Savo complex, 6 to 15 percent slopes	0.000	0.433	0.200	0.000	0.000	0.456	0.000	0.000	0.000
Steele City	SD	Haakon	447.229	447.348	0.119	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.119	0.006	0.119	0.000	0.000	0.000
Steele City	SD	Haakon	447.348	447.417	0.069	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.062	0.200	0.000	0.000	0.069	0.000	0.000	0.000
Steele City	SD	Haakon	447.417	447.628	0.211	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.211	0.002	0.211	0.000	0.000	0.000
Steele City	SD	Haakon	447.628	447.881	0.253	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.235	0.200	0.000	0.008	0.253	0.000	0.000	0.000
Steele City	SD	Haakon	447.881	448.154	0.274	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.260	0.200	0.000	0.005	0.274	0.000	0.000	0.000
Steele City	SD	Haakon	448.154	448.206	0.051	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.000	0.000	0.200	0.000	0.002	0.051	0.000	0.000	0.000
Steele City	SD	Haakon	448.206	448.271	0.065	SD055	Capa-Wendte, channeled, complex	0.000	0.000	0.200	0.000	0.003	0.065	0.000	0.000	0.000
Steele City	SD	Haakon	448.271	448.344	0.073	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.068	0.200	0.000	0.002	0.073	0.000	0.000	0.000
Steele City	SD	Haakon	448.344	448.622	0.278	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.278	0.003	0.278	0.000	0.000	0.000
Steele City	SD	Haakon	448.622	448.642	0.019	SD055	Opal-Promise clays, 6 to 9 percent slopes	0.000	0.017	0.200	0.000	0.000	0.019	0.000	0.000	0.000
Steele City	SD	Haakon	448.642	448.783	0.141	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.141	0.001	0.141	0.000	0.000	0.000
Steele City	SD	Haakon	448.783	448.861	0.078	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.073	0.200	0.000	0.002	0.078	0.000	0.000	0.000
Steele City	SD	Haakon	448.861	449.136	0.275	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.275	0.003	0.275	0.000	0.000	0.000
Steele City	SD	Haakon	449.136	449.247	0.110	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.103	0.200	0.000	0.003	0.110	0.000	0.000	0.000
Steele City	SD	Haakon	449.247	449.425	0.179	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.179	0.002	0.179	0.000	0.000	0.000
Steele City	SD	Haakon	449.425	449.529	0.104	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.097	0.200	0.000	0.003	0.104	0.000	0.000	0.000
Steele City	SD	Haakon	449.529	449.701	0.172	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.172	0.002	0.172	0.000	0.000	0.000
Steele City	SD	Haakon	449.701	449.906	0.204	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.190	0.200	0.000	0.006	0.204	0.000	0.000	0.000
Steele City	SD	Haakon	449.906	449.963	0.058	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.055	0.200	0.000	0.001	0.058	0.000	0.000	0.000
Steele City	SD	Haakon	449.963	450.451	0.487	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.487	0.024	0.487	0.000	0.000	0.000
Steele City	SD	Haakon	450.451	450.692	0.242	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.242	0.002	0.242	0.000	0.000	0.000
Steele City	SD	Haakon	450.692	450.752	0.060	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.054	0.200	0.000	0.000	0.060	0.000	0.000	0.000
Steele City	SD	Haakon	450.752	451.187	0.434	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.434	0.004	0.434	0.000	0.000	0.000
Steele City	SD	Haakon	451.187	451.565	0.379	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.379	0.004	0.379	0.000	0.000	0.000
Steele City	SD	Haakon	451.565	451.619	0.053	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.053	0.003	0.053	0.000	0.000	0.000
Steele City	SD	Haakon	451.619	451.760	0.142	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.127	0.200	0.000	0.000	0.142	0.000	0.000	0.000
Steele City	SD	Haakon	451.760	452.046	0.286	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.286	0.003	0.286	0.000	0.000	0.000
Steele City	SD	Haakon	452.046	452.499	0.453	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.453	0.023	0.453	0.000	0.000	0.000
Steele City	SD	Haakon	452.499	452.591	0.092	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.086	0.200	0.000	0.003	0.092	0.000	0.000	0.000
Steele City	SD	Haakon	452.591	453.578	0.987	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.987	0.010	0.987	0.000	0.000	0.000
Steele City	SD	Haakon	453.578	453.754	0.175	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.175	0.014	0.175	0.000	0.000	0.000
Steele City	SD	Haakon	453.754	453.857	0.103	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.103	0.001	0.103	0.000	0.000	0.000
Steele City	SD	Haakon	453.857	454.055	0.198	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.198	0.002	0.198	0.000	0.000	0.000
Steele City	SD	Haakon	454.055	454.520	0.465	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.418	0.200	0.000	0.000	0.465	0.000	0.000	0.000
Steele City	SD	Haakon	454.520	454.690	0.170	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.000	0.000	0.170	0.000	0.000	0.000
Steele City	SD	Haakon	454.690	454.957	0.267	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.241	0.200	0.000	0.000	0.267	0.000	0.000	0.000
Steele City	SD	Haakon	454.957	455.131	0.173	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.161	0.200	0.000	0.005	0.173	0.000	0.000	0.000
Steele City	SD	Haakon	455.131	455.247	0.116	SD055	Capa-Wendte, channeled, complex	0.000	0.000	0.200	0.000	0.006	0.116	0.000	0.000	0.000
Steele City	SD	Haakon	455.247	455.285	0.039	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.036	0.200	0.000	0.001	0.039	0.000	0.000	0.000
Steele City	SD	Haakon	455.285	455.370	0.085	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.076	0.200	0.000	0.000	0.085	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Haakon	455.370	455.700	0.330	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.307	0.200	0.000	0.010	0.330	0.000	0.000	0.000
Steele City	SD	Haakon	455.700	455.803	0.103	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.103	0.001	0.103	0.000	0.000	0.000
Steele City	SD	Haakon	455.803	456.026	0.224	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.201	0.200	0.000	0.000	0.224	0.000	0.000	0.000
Steele City	SD	Haakon	456.026	456.148	0.122	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.122	0.006	0.122	0.000	0.000	0.000
Steele City	SD	Haakon	456.148	456.248	0.100	SD055	Opal-Promise clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.100	0.005	0.100	0.000	0.000	0.000
Steele City	SD	Haakon	456.248	456.329	0.082	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.082	0.004	0.082	0.000	0.000	0.000
Steele City	SD	Haakon	456.329	456.515	0.186	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.000	0.000	0.186	0.000	0.000	0.000
Steele City	SD	Haakon	456.515	456.566	0.051	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.046	0.200	0.000	0.000	0.051	0.000	0.000	0.000
Steele City	SD	Haakon	456.566	456.626	0.060	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.000	0.000	0.060	0.000	0.000	0.000
Steele City	SD	Haakon	456.626	456.850	0.223	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.201	0.200	0.000	0.000	0.223	0.000	0.000	0.000
Steele City	SD	Haakon	456.850	457.073	0.223	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.000	0.000	0.223	0.000	0.000	0.000
Steele City	SD	Haakon	457.073	457.387	0.314	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.292	0.200	0.000	0.009	0.314	0.000	0.000	0.000
Steele City	SD	Haakon	457.387	457.536	0.150	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.135	0.200	0.000	0.000	0.150	0.000	0.000	0.000
Steele City	SD	Haakon	457.536	457.663	0.126	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.126	0.006	0.126	0.000	0.000	0.000
Steele City	SD	Haakon	457.663	457.718	0.055	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.050	0.200	0.000	0.000	0.055	0.000	0.000	0.000
Steele City	SD	Haakon	457.718	457.946	0.228	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.228	0.002	0.228	0.000	0.000	0.000
Steele City	SD	Haakon	457.946	457.989	0.043	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.038	0.200	0.000	0.000	0.043	0.000	0.000	0.000
Steele City	SD	Haakon	457.989	458.237	0.248	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.248	0.002	0.248	0.000	0.000	0.000
Steele City	SD	Haakon	458.237	458.380	0.144	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.129	0.200	0.000	0.000	0.144	0.000	0.000	0.000
Steele City	SD	Haakon	458.380	458.462	0.082	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.082	0.001	0.082	0.000	0.000	0.000
Steele City	SD	Haakon	458.462	458.485	0.022	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.020	0.200	0.000	0.000	0.022	0.000	0.000	0.000
Steele City	SD	Haakon	458.485	458.527	0.043	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.043	0.000	0.043	0.000	0.000	0.000
Steele City	SD	Haakon	458.527	458.580	0.053	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.047	0.200	0.000	0.000	0.053	0.000	0.000	0.000
Steele City	SD	Haakon	458.580	459.000	0.420	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.391	0.200	0.000	0.013	0.420	0.000	0.000	0.000
Steele City	SD	Haakon	459.000	459.016	0.016	SD055	Water	0.000	0.000	0.200	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	SD	Haakon	459.016	459.321	0.304	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.283	0.200	0.000	0.009	0.304	0.000	0.000	0.000
Steele City	SD	Haakon	459.321	459.425	0.104	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.104	0.001	0.104	0.000	0.000	0.000
Steele City	SD	Haakon	459.425	459.789	0.364	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.346	0.200	0.000	0.007	0.364	0.000	0.000	0.000
Steele City	SD	Haakon	459.789	460.285	0.496	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.496	0.005	0.496	0.000	0.000	0.000
Steele City	SD	Haakon	460.285	460.660	0.374	SD055	Kirley clay loam, 0 to 2 percent slopes	0.000	0.000	0.200	0.374	0.019	0.374	0.000	0.000	0.000
Steele City	SD	Haakon	460.660	460.708	0.049	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.000	0.034	0.200	0.000	0.000	0.034	0.015	0.000	0.000
Steele City	SD	Haakon	460.708	460.766	0.058	SD055	Capa-Wendte, channeled, complex	0.000	0.000	0.200	0.000	0.003	0.058	0.000	0.000	0.000
Steele City	SD	Haakon	460.766	461.005	0.239	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.216	0.200	0.000	0.000	0.239	0.000	0.000	0.000
Steele City	SD	Haakon	461.005	461.034	0.029	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.029	0.000	0.029	0.000	0.000	0.000
Steele City	SD	Haakon	461.034	461.101	0.067	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.000	0.047	0.200	0.000	0.000	0.047	0.020	0.000	0.000
Steele City	SD	Haakon	461.101	461.208	0.107	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.107	0.001	0.107	0.000	0.000	0.000
Steele City	SD	Haakon	461.208	461.259	0.051	SD055	Kirley clay loam, 0 to 2 percent slopes	0.000	0.000	0.200	0.051	0.003	0.051	0.000	0.000	0.000
Steele City	SD	Haakon	461.259	461.375	0.116	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.116	0.001	0.116	0.000	0.000	0.000
Steele City	SD	Haakon	461.375	461.493	0.119	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.110	0.200	0.000	0.004	0.119	0.000	0.000	0.000
Steele City	SD	Haakon	461.493	461.573	0.079	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.000	0.000	0.079	0.000	0.000	0.000
Steele City	SD	Haakon	461.573	461.584	0.011	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.010	0.200	0.000	0.000	0.011	0.000	0.000	0.000
Steele City	SD	Haakon	461.584	461.958	0.374	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.000	0.000	0.374	0.000	0.000	0.000
Steele City	SD	Haakon	461.958	462.120	0.162	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.162	0.013	0.162	0.000	0.000	0.000
Steele City	SD	Haakon	462.120	462.149	0.029	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.029	0.001	0.029	0.000	0.000	0.000
Steele City	SD	Haakon	462.149	462.199	0.050	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.050	0.004	0.050	0.000	0.000	0.000
Steele City	SD	Haakon	462.199	462.432	0.233	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.233	0.012	0.233	0.000	0.000	0.000
Steele City	SD	Haakon	462.432	462.655	0.224	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.000	0.000	0.224	0.000	0.000	0.000
Steele City	SD	Haakon	462.655	462.694	0.038	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.038	0.002	0.038	0.000	0.000	0.000
Steele City	SD	Haakon	462.694	462.766	0.072	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.000	0.000	0.072	0.000	0.000	0.000
Steele City	SD	Haakon	462.766	462.912	0.146	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.138	0.200	0.000	0.003	0.146	0.000	0.000	0.000
Steele City	SD	Haakon	462.912	462.943	0.031	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.029	0.200	0.000	0.001	0.031	0.000	0.000	0.000
Steele City	SD	Haakon	462.943	463.485	0.542	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.515	0.200	0.000	0.011	0.542	0.000	0.000	0.000
Steele City	SD	Haakon	463.485	463.747	0.261	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.261	0.003	0.261	0.000	0.000	0.000
Steele City	SD	Haakon	463.747	463.997	0.250	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.237	0.200	0.000	0.005	0.250	0.000	0.000	0.000
Steele City	SD	Haakon	463.997	464.418	0.421	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.421	0.004	0.421	0.000	0.000	0.000
Steele City	SD	Haakon	464.418	464.617	0.199	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.179	0.200	0.000	0.000	0.199	0.000	0.000	0.000
Steele City	SD	Haakon	464.617	464.779	0.163	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.163	0.008	0.163	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Haakon	464.779	464.916	0.136	SD055	Egas silty clay loam	0.000	0.000	0.200	0.000	0.123	0.136	0.000	0.000	0.000
Steele City	SD	Haakon	464.916	465.086	0.171	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.159	0.200	0.000	0.005	0.171	0.000	0.000	0.000
Steele City	SD	Haakon	465.086	465.211	0.125	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.112	0.200	0.000	0.000	0.125	0.000	0.000	0.000
Steele City	SD	Haakon	465.211	465.372	0.160	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.160	0.008	0.160	0.000	0.000	0.000
Steele City	SD	Haakon	465.372	465.501	0.130	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.000	0.000	0.130	0.000	0.000	0.000
Steele City	SD	Haakon	465.501	465.564	0.063	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.063	0.001	0.063	0.000	0.000	0.000
Steele City	SD	Haakon	465.564	465.787	0.223	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.207	0.200	0.000	0.007	0.223	0.000	0.000	0.000
Steele City	SD	Haakon	465.787	465.853	0.066	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.000	0.000	0.066	0.000	0.000	0.000
Steele City	SD	Haakon	465.853	466.503	0.651	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.605	0.200	0.000	0.020	0.651	0.000	0.000	0.000
Steele City	SD	Haakon	466.503	466.567	0.064	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.000	0.000	0.064	0.000	0.000	0.000
Steele City	SD	Haakon	466.567	466.644	0.077	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000	0.000	0.200	0.077	0.001	0.077	0.000	0.000	0.000
Steele City	SD	Haakon	466.644	466.992	0.349	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.000	0.000	0.349	0.000	0.000	0.000
Steele City	SD	Haakon	466.992	468.096	1.104	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	1.104	0.055	1.104	0.000	0.000	0.000
Steele City	SD	Haakon	468.096	468.110	0.014	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.000	0.000	0.014	0.000	0.000	0.000
Steele City	SD	Haakon	468.110	468.233	0.123	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.114	0.200	0.000	0.004	0.123	0.000	0.000	0.000
Steele City	SD	Haakon	468.233	468.272	0.039	SD055	Capa-Wendte, channeled, complex	0.000	0.000	0.200	0.000	0.002	0.039	0.000	0.000	0.000
Steele City	SD	Haakon	468.272	468.461	0.189	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.176	0.200	0.000	0.006	0.189	0.000	0.000	0.000
Steele City	SD	Haakon	468.461	468.705	0.244	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.000	0.171	0.200	0.000	0.000	0.171	0.073	0.000	0.000
Steele City	SD	Haakon	468.705	468.959	0.254	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.254	0.013	0.254	0.000	0.000	0.000
Steele City	SD	Haakon	468.959	469.013	0.054	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.052	0.200	0.000	0.001	0.054	0.000	0.000	0.000
Steele City	SD	Haakon	469.013	469.220	0.207	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.192	0.200	0.000	0.006	0.207	0.000	0.000	0.000
Steele City	SD	Haakon	469.220	469.289	0.069	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.066	0.200	0.000	0.001	0.069	0.000	0.000	0.000
Steele City	SD	Haakon	469.289	469.584	0.294	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.274	0.200	0.000	0.009	0.294	0.000	0.000	0.000
Steele City	SD	Haakon	469.584	469.915	0.331	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.315	0.200	0.000	0.007	0.331	0.000	0.000	0.000
Steele City	SD	Haakon	469.915	469.976	0.061	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.061	0.005	0.061	0.000	0.000	0.000
Steele City	SD	Haakon	469.976	470.216	0.240	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.240	0.012	0.240	0.000	0.000	0.000
Steele City	SD	Haakon	470.216	470.500	0.284	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.270	0.200	0.000	0.006	0.284	0.000	0.000	0.000
Steele City	SD	Haakon	470.500	470.613	0.113	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.105	0.200	0.000	0.003	0.113	0.000	0.000	0.000
Steele City	SD	Haakon	470.613	470.710	0.097	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.097	0.005	0.097	0.000	0.000	0.000
Steele City	SD	Haakon	470.710	470.870	0.160	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.149	0.200	0.000	0.005	0.160	0.000	0.000	0.000
Steele City	SD	Haakon	470.870	471.050	0.180	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.171	0.200	0.000	0.004	0.180	0.000	0.000	0.000
Steele City	SD	Haakon	471.050	471.325	0.275	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.275	0.014	0.275	0.000	0.000	0.000
Steele City	SD	Haakon	471.325	471.401	0.076	SD055	Kirley-Ottumwa complex, 6 to 9 percent slopes	0.000	0.071	0.200	0.000	0.000	0.076	0.000	0.000	0.000
Steele City	SD	Haakon	471.401	471.673	0.272	SD055	Kirley clay loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.272	0.003	0.272	0.000	0.000	0.000
Steele City	SD	Haakon	471.673	471.851	0.178	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.166	0.200	0.000	0.000	0.173	0.005	0.000	0.000
Steele City	SD	Haakon	471.851	471.874	0.023	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.000	0.023	0.200	0.000	0.000	0.016	0.007	0.000	0.001
Steele City	SD	Haakon	471.874	472.128	0.254	SD055	Kirley clay loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.254	0.003	0.254	0.000	0.000	0.000
Steele City	SD	Haakon	472.128	472.257	0.129	SD055	Kirley clay loam, 0 to 2 percent slopes	0.000	0.000	0.200	0.129	0.006	0.129	0.000	0.000	0.000
Steele City	SD	Haakon	472.257	472.333	0.076	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.000	0.076	0.200	0.000	0.000	0.053	0.023	0.000	0.005
Steele City	SD	Haakon	472.333	472.514	0.181	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.168	0.200	0.000	0.005	0.181	0.000	0.000	0.000
Steele City	SD	Haakon	472.514	472.562	0.048	SD055	Capa-Wendte, channeled, complex	0.000	0.000	0.200	0.000	0.002	0.048	0.000	0.000	0.000
Steele City	SD	Haakon	472.562	472.594	0.032	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.030	0.200	0.000	0.001	0.032	0.000	0.000	0.000
Steele City	SD	Haakon	472.594	472.649	0.055	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.050	0.200	0.000	0.000	0.055	0.000	0.000	0.000
Steele City	SD	Haakon	472.649	472.926	0.277	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.257	0.200	0.000	0.008	0.277	0.000	0.000	0.000
Steele City	SD	Haakon	472.926	473.050	0.124	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.000	0.124	0.200	0.000	0.000	0.087	0.037	0.000	0.007
Steele City	SD	Haakon	473.050	473.137	0.087	SD055	Kirley clay loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.087	0.001	0.087	0.000	0.000	0.000
Steele City	SD	Haakon	473.137	473.550	0.413	SD055	Kirley clay loam, 0 to 2 percent slopes	0.000	0.000	0.200	0.413	0.021	0.413	0.000	0.000	0.000
Steele City	SD	Haakon	473.550	473.774	0.224	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.000	0.224	0.200	0.000	0.000	0.157	0.067	0.000	0.013
Steele City	SD	Haakon	473.774	473.928	0.154	SD055	Pierre clay, 6 to 9 percent slopes	0.000	0.146	0.200	0.000	0.000	0.154	0.000	0.000	0.000
Steele City	SD	Haakon	473.928	474.150	0.222	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.207	0.200	0.000	0.007	0.222	0.000	0.000	0.000
Steele City	SD	Haakon	474.150	474.207	0.057	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.000	0.057	0.200	0.000	0.000	0.040	0.017	0.000	0.003
Steele City	SD	Haakon	474.207	474.414	0.207	SD055	Kirley clay loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.207	0.002	0.207	0.000	0.000	0.000
Steele City	SD	Haakon	474.414	474.677	0.263	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.244	0.200	0.000	0.000	0.255	0.008	0.000	0.000
Steele City	SD	Haakon	474.677	474.889	0.212	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.212	0.000	0.202	0.096	0.000	0.085
Steele City	SD	Haakon	474.889	474.922	0.033	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.031	0.200	0.000	0.000	0.032	0.001	0.000	0.000
Steele City	SD	Haakon	474.922	475.420	0.497	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.497	0.000	0.473	0.224	0.000	0.199
Steele City	SD	Haakon	475.420	476.205	0.785	SD055	Kirley clay loam, 0 to 2 percent slopes	0.000	0.000	0.200	0.785	0.039	0.785	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)	Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
Steele City	SD	Haakon	476.205	476.279	0.074	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.074	0.000	0.070	0.033	0.000	0.030
Steele City	SD	Haakon	476.279	476.421	0.143	SD055	Kirley clay loam, 0 to 2 percent slopes	0.000	0.000	0.200	0.143	0.007	0.143	0.000	0.000	0.000
Steele City	SD	Haakon	476.421	476.515	0.094	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.094	0.000	0.089	0.042	0.000	0.038
Steele City	SD	Haakon	476.515	476.606	0.090	SD055	Kirley clay loam, 0 to 2 percent slopes	0.000	0.000	0.200	0.090	0.005	0.090	0.000	0.000	0.000
Steele City	SD	Haakon	476.606	476.885	0.280	SD055	Kirley-Mosher complex, 0 to 2 percent slopes	0.000	0.000	0.200	0.000	0.006	0.280	0.000	0.000	0.000
Steele City	SD	Haakon	476.885	477.028	0.142	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.142	0.000	0.135	0.064	0.000	0.057
Steele City	SD	Haakon	477.028	477.169	0.142	SD055	Kirley clay loam, 0 to 2 percent slopes	0.000	0.000	0.200	0.142	0.007	0.142	0.000	0.000	0.000
Steele City	SD	Haakon	477.169	477.347	0.178	SD055	Mosher silt loam	0.000	0.000	0.200	0.000	0.000	0.178	0.000	0.000	0.000
Steele City	SD	Haakon	477.347	477.478	0.131	SD055	Kirley clay loam, 0 to 2 percent slopes	0.000	0.000	0.200	0.131	0.007	0.131	0.000	0.000	0.000
Steele City	SD	Haakon	477.478	477.613	0.135	SD055	Hoven silt loam	0.000	0.000	0.200	0.000	0.121	0.135	0.000	0.000	0.000
Steele City	SD	Haakon	477.613	478.012	0.400	SD055	Kirley clay loam, 0 to 2 percent slopes	0.000	0.000	0.200	0.400	0.020	0.400	0.000	0.000	0.000
Steele City	SD	Haakon	478.012	478.324	0.312	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.000	0.218	0.200	0.000	0.000	0.218	0.093	0.000	0.000
Steele City	SD	Haakon	478.324	478.621	0.297	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.000	0.297	0.200	0.000	0.000	0.208	0.089	0.000	0.018
Steele City	SD	Haakon	478.621	478.798	0.177	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.165	0.200	0.000	0.005	0.177	0.000	0.000	0.000
Steele City	SD	Haakon	478.798	478.908	0.110	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.000	0.000	0.200	0.000	0.003	0.110	0.000	0.000	0.000
Steele City	SD	Haakon	478.908	479.091	0.183	SD055	Nimbro silty clay loam, channeled	0.000	0.000	0.200	0.000	0.002	0.183	0.000	0.000	0.000
Steele City	SD	Haakon	479.091	479.126	0.036	SD055	Nimbro silty clay loam	0.000	0.000	0.200	0.036	0.000	0.036	0.000	0.000	0.000
Steele City	SD	Haakon	479.126	479.260	0.133	SD055	Promise clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.133	0.004	0.133	0.000	0.000	0.000
Steele City	SD	Haakon	479.260	479.554	0.294	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.274	0.200	0.000	0.000	0.286	0.009	0.000	0.000
Steele City	SD	Haakon	479.554	479.690	0.137	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.000	0.137	0.200	0.000	0.000	0.096	0.041	0.000	0.008
Steele City	SD	Haakon	479.690	480.065	0.375	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.000	0.262	0.200	0.000	0.000	0.262	0.112	0.000	0.000
Steele City	SD	Haakon	480.065	480.275	0.209	SD055	Schamber-Samsil complex, 6 to 60 percent slopes	0.000	0.209	0.200	0.000	0.000	0.096	0.119	0.000	0.111
Steele City	SD	Haakon	480.275	480.702	0.427	SD055	Sansarc-0pal clays, 9 to 40 percent slopes	0.000	0.385	0.200	0.000	0.013	0.427	0.000	0.000	0.000
Steele City	SD	Haakon	480.702	480.756	0.054	SD055	Albaton silty clay, depressional	0.000	0.000	0.200	0.000	0.049	0.054	0.000	0.000	0.000
Steele City	SD	Haakon	480.756	480.858	0.102	SD055	Nimbro silty clay loam, channeled	0.000	0.000	0.200	0.000	0.001	0.102	0.000	0.000	0.000
Steele City	SD	Haakon	480.858	481.289	0.430	SD055	Nimbro silty clay loam	0.000	0.000	0.200	0.430	0.004	0.430	0.000	0.000	0.000
Steele City	SD	Haakon	481.289	481.348	0.059	SD055	Nimbro silty clay loam, channeled	0.000	0.000	0.200	0.000	0.001	0.059	0.000	0.000	0.000
Steele City	SD	Haakon	481.348	481.544	0.196	SD055	Bullcreek clay, 0 to 6 percent slopes	0.000	0.000	0.200	0.000	0.014	0.196	0.000	0.000	0.000
Steele City	SD	Haakon	481.544	482.009	0.465	SD055	Sansarc-0pal clays, 9 to 40 percent slopes	0.000	0.418	0.200	0.000	0.014	0.465	0.000	0.000	0.000
Steele City	SD	Haakon	482.009	482.386	0.377	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.351	0.200	0.000	0.000	0.366	0.011	0.000	0.000
Steele City	SD	Haakon	482.386	482.486	0.100	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.000	0.000	0.200	0.100	0.000	0.095	0.045	0.000	0.040
Steele City	SD	Haakon	482.486	482.604	0.118	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.110	0.200	0.000	0.000	0.114	0.004	0.000	0.000
Steele City	SD	Haakon	482.604	482.690	0.086	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.080	0.200	0.000	0.003	0.086	0.000	0.000	0.000
Steele City	SD	Haakon	482.690	482.701	0.011	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.011	0.200	0.000	0.000	0.011	0.000	0.000	0.000
Steele City	SD	Haakon	482.701	482.797	0.096	SD055	Sansarc-0pal clays, 9 to 40 percent slopes	0.000	0.086	0.200	0.000	0.003	0.096	0.000	0.000	0.000
Steele City	SD	Haakon	482.797	483.033	0.236	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.219	0.200	0.000	0.000	0.229	0.007	0.000	0.000
Steele City	SD	Haakon	483.033	483.396	0.363	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.000	0.000	0.363	0.000	0.000	0.000
Steele City	SD	Haakon	483.396	483.427	0.030	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.028	0.200	0.000	0.000	0.029	0.001	0.000	0.000
Steele City	SD	Haakon	483.427	484.135	0.709	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.000	0.000	0.709	0.000	0.000	0.000
Steele City	SD	Haakon	484.135	484.245	0.110	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.000	0.110	0.200	0.000	0.000	0.077	0.033	0.000	0.007
Steele City	SD	Haakon	484.245	484.300	0.055	SD055	Kirley clay loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.055	0.001	0.055	0.000	0.000	0.000
Steele City	SD	Haakon	484.300	484.353	0.052	SD055	Kirley clay loam, 6 to 15 percent slopes	0.000	0.051	0.200	0.000	0.000	0.052	0.000	0.000	0.000
Steele City	SD	Haakon	484.353	484.484	0.131	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.000	0.092	0.200	0.000	0.000	0.092	0.039	0.000	0.000
Steele City	SD	Haakon	484.484	484.797	0.313	SD055	Kirley clay loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.313	0.003	0.313	0.000	0.000	0.000
Steele City	SD	Haakon	484.797	484.874	0.076	SD055	Kirley clay loam, 6 to 15 percent slopes	0.000	0.074	0.200	0.000	0.000	0.076	0.000	0.000	0.000
Steele City	SD	Haakon	484.874	484.931	0.057	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.000	0.040	0.200	0.000	0.000	0.040	0.017	0.000	0.000
Steele City	SD	Jones	484.931	484.953	0.023	SD075	Kirley-Vivian complex, 9 to 25 percent slopes	0.000	0.023	0.200	0.000	0.000	0.016	0.007	0.000	0.000
Steele City	SD	Jones	484.953	485.092	0.139	SD075	Kirley-Mosher complex, 0 to 6 percent slopes	0.000	0.000	0.200	0.000	0.008	0.139	0.000	0.000	0.000
Steele City	SD	Jones	485.092	485.132	0.040	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.038	0.200	0.000	0.001	0.039	0.001	0.000	0.000
Steele City	SD	Jones	485.132	485.208	0.075	SD075	Kirley-Mosher complex, 0 to 6 percent slopes	0.000	0.000	0.200	0.000	0.005	0.075	0.000	0.000	0.000
Steele City	SD	Jones	485.208	485.647	0.439	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.373	0.200	0.000	0.022	0.417	0.022	0.000	0.000
Steele City	SD	Jones	485.647	485.708	0.061	SD075	Kirley-Vivian complex, 9 to 25 percent slopes	0.000	0.061	0.200	0.000	0.000	0.043	0.018	0.000	0.000
Steele City	SD	Jones	485.708	485.848	0.140	SD075	Kirley-Mosher complex, 0 to 6 percent slopes	0.000	0.000	0.200	0.000	0.008	0.140	0.000	0.000	0.000
Steele City	SD	Jones	485.848	485.957	0.109	SD075	Kirley clay loam, 9 to 15 percent slopes	0.000	0.104	0.200	0.000	0.000	0.107	0.002	0.000	0.000
Steele City	SD	Jones	485.957	486.066	0.109	SD075	Kirley-Mosher complex, 0 to 6 percent slopes	0.000	0.000	0.200	0.000	0.007	0.109	0.000	0.000	0.000
Steele City	SD	Jones	486.066	486.238	0.172	SD075	Kirley clay loam, 9 to 15 percent slopes	0.000	0.163	0.200	0.000	0.000	0.169	0.003	0.000	0.000
Steele City	SD	Jones	486.238	486.684	0.445	SD075	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	0.000	0.254	0.200	0.000	0.013	0.445	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Jones	486.684	486.830	0.146	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.124	0.200	0.000	0.007	0.139	0.007	0.000	0.000
Steele City	SD	Jones	486.830	486.944	0.114	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.114	0.001	0.114	0.000	0.000	0.000
Steele City	SD	Jones	486.944	487.234	0.291	SD075	Kirley clay loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.291	0.009	0.291	0.000	0.000	0.000
Steele City	SD	Jones	487.234	487.261	0.027	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.027	0.000	0.027	0.000	0.000	0.000
Steele City	SD	Jones	487.261	487.431	0.170	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.151	0.200	0.000	0.005	0.170	0.000	0.000	0.000
Steele City	SD	Jones	487.431	487.592	0.161	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.150	0.200	0.000	0.003	0.156	0.005	0.000	0.000
Steele City	SD	Jones	487.592	487.715	0.123	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.105	0.200	0.000	0.006	0.117	0.006	0.000	0.000
Steele City	SD	Jones	487.715	488.243	0.527	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.490	0.200	0.000	0.011	0.512	0.016	0.000	0.000
Steele City	SD	Jones	488.243	489.163	0.921	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.783	0.200	0.000	0.046	0.875	0.046	0.000	0.000
Steele City	SD	Jones	489.163	489.293	0.130	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.115	0.200	0.000	0.004	0.130	0.000	0.000	0.000
Steele City	SD	Jones	489.293	489.463	0.170	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.144	0.200	0.000	0.008	0.161	0.008	0.000	0.000
Steele City	SD	Jones	489.463	489.720	0.257	SD075	Kirley clay loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.257	0.008	0.257	0.000	0.000	0.000
Steele City	SD	Jones	489.720	489.736	0.016	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.015	0.200	0.000	0.000	0.016	0.000	0.000	0.000
Steele City	SD	Jones	489.736	489.935	0.199	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.169	0.200	0.000	0.010	0.189	0.010	0.000	0.000
Steele City	SD	Jones	489.935	490.138	0.203	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.189	0.200	0.000	0.004	0.197	0.006	0.000	0.000
Steele City	SD	Jones	490.138	490.543	0.405	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.345	0.200	0.000	0.020	0.385	0.020	0.000	0.000
Steele City	SD	Jones	490.543	490.788	0.245	SD075	Kirley clay loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.245	0.007	0.245	0.000	0.000	0.000
Steele City	SD	Jones	490.788	490.866	0.078	SD075	Ree loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.078	0.002	0.078	0.000	0.000	0.000
Steele City	SD	Jones	490.866	491.004	0.138	SD075	Ree loam, 0 to 2 percent slopes	0.000	0.000	0.200	0.138	0.001	0.138	0.000	0.000	0.000
Steele City	SD	Jones	491.004	491.210	0.206	SD075	Ree loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.206	0.006	0.206	0.000	0.000	0.000
Steele City	SD	Jones	491.210	491.220	0.010	SD075	Kirley-Vivian complex, 9 to 25 percent slopes	0.000	0.010	0.200	0.000	0.000	0.007	0.003	0.000	0.000
Steele City	SD	Jones	491.220	491.263	0.043	SD075	Ree loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.043	0.001	0.043	0.000	0.000	0.000
Steele City	SD	Jones	491.263	491.457	0.194	SD075	Kirley-Vivian complex, 9 to 25 percent slopes	0.000	0.194	0.200	0.000	0.000	0.136	0.058	0.000	0.000
Steele City	SD	Jones	491.457	491.847	0.390	SD075	Kirley clay loam, 9 to 15 percent slopes	0.000	0.370	0.200	0.000	0.000	0.382	0.008	0.000	0.000
Steele City	SD	Jones	491.847	492.153	0.306	SD075	Opal clay loam, 6 to 15 percent slopes	0.000	0.275	0.200	0.000	0.015	0.306	0.000	0.000	0.000
Steele City	SD	Jones	492.153	492.271	0.119	SD075	Opal clay loam, 6 to 9 percent slopes	0.000	0.113	0.200	0.119	0.006	0.119	0.000	0.000	0.000
Steele City	SD	Jones	492.271	492.364	0.093	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.079	0.200	0.000	0.005	0.088	0.005	0.000	0.000
Steele City	SD	Jones	492.364	492.454	0.091	SD075	Lakoma-Vivian complex, 9 to 25 percent slopes	0.000	0.091	0.200	0.000	0.000	0.064	0.027	0.000	0.000
Steele City	SD	Jones	492.454	492.480	0.026	SD075	Opal clay loam, 6 to 9 percent slopes	0.000	0.025	0.200	0.026	0.001	0.026	0.000	0.000	0.000
Steele City	SD	Jones	492.480	493.177	0.697	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.592	0.200	0.000	0.035	0.662	0.035	0.000	0.000
Steele City	SD	Jones	493.177	493.468	0.291	SD075	Kirley clay loam, 0 to 2 percent slopes	0.000	0.000	0.200	0.291	0.009	0.291	0.000	0.000	0.000
Steele City	SD	Jones	493.468	493.589	0.120	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.102	0.200	0.000	0.006	0.114	0.006	0.000	0.000
Steele City	SD	Jones	493.589	493.634	0.045	SD075	Promise-Capa complex	0.000	0.000	0.200	0.000	0.001	0.045	0.000	0.000	0.000
Steele City	SD	Jones	493.634	493.850	0.216	SD075	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	0.000	0.123	0.200	0.000	0.006	0.216	0.000	0.000	0.000
Steele City	SD	Jones	493.850	493.959	0.108	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.092	0.200	0.000	0.005	0.103	0.005	0.000	0.000
Steele City	SD	Jones	493.959	493.987	0.028	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.026	0.200	0.000	0.001	0.027	0.001	0.000	0.000
Steele City	SD	Jones	493.987	494.156	0.170	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.144	0.200	0.000	0.008	0.161	0.008	0.000	0.000
Steele City	SD	Jones	494.156	494.262	0.106	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.106	0.001	0.106	0.000	0.000	0.000
Steele City	SD	Jones	494.262	494.347	0.084	SD075	Mosher silt loam	0.000	0.000	0.200	0.000	0.003	0.084	0.000	0.000	0.000
Steele City	SD	Jones	494.347	494.420	0.073	SD075	Kirley clay loam, 0 to 2 percent slopes	0.000	0.000	0.200	0.073	0.002	0.073	0.000	0.000	0.000
Steele City	SD	Jones	494.420	494.555	0.135	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.115	0.200	0.000	0.007	0.128	0.007	0.000	0.000
Steele City	SD	Jones	494.555	494.935	0.380	SD075	Kirley clay loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.380	0.011	0.380	0.000	0.000	0.000
Steele City	SD	Jones	494.935	495.225	0.290	SD075	Mosher-Capa silt loams	0.000	0.000	0.200	0.000	0.009	0.290	0.000	0.000	0.000
Steele City	SD	Jones	495.225	495.355	0.129	SD075	Promise clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.129	0.003	0.129	0.000	0.000	0.000
Steele City	SD	Jones	495.355	495.373	0.018	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.016	0.200	0.000	0.001	0.018	0.000	0.000	0.000
Steele City	SD	Jones	495.373	495.556	0.183	SD075	Promise clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.183	0.004	0.183	0.000	0.000	0.000
Steele City	SD	Jones	495.556	496.233	0.677	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.576	0.200	0.000	0.034	0.643	0.034	0.000	0.000
Steele City	SD	Jones	496.233	496.312	0.079	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.070	0.200	0.000	0.002	0.079	0.000	0.000	0.000
Steele City	SD	Jones	496.312	496.341	0.029	SD075	Promise clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.029	0.001	0.029	0.000	0.000	0.000
Steele City	SD	Jones	496.341	496.346	0.006	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.005	0.200	0.000	0.000	0.006	0.000	0.000	0.000
Steele City	SD	Jones	496.346	496.668	0.322	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.274	0.200	0.000	0.016	0.306	0.016	0.000	0.000
Steele City	SD	Jones	496.668	496.782	0.114	SD075	Kirley clay loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.114	0.003	0.114	0.000	0.000	0.000
Steele City	SD	Jones	496.782	497.126	0.344	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.306	0.200	0.000	0.010	0.344	0.000	0.000	0.000
Steele City	SD	Jones	497.126	497.274	0.148	SD075	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	0.000	0.084	0.200	0.000	0.004	0.148	0.000	0.000	0.000
Steele City	SD	Jones	497.274	497.346	0.072	SD075	Kirley clay loam, 9 to 15 percent slopes	0.000	0.069	0.200	0.000	0.000	0.071	0.001	0.000	0.000
Steele City	SD	Jones	497.346	497.746	0.399	SD075	Kirley-Vivian complex, 9 to 25 percent slopes	0.000	0.399	0.200	0.000	0.000	0.280	0.120	0.000	0.000
Steele City	SD	Jones	497.746	497.754	0.008	SD075	Kirley clay loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.008	0.000	0.008	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Jones	497.754	498.290	0.535	SD075	Promise clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.535	0.011	0.535	0.000	0.000	0.000
Steele City	SD	Jones	498.290	498.454	0.165	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.140	0.200	0.000	0.008	0.156	0.008	0.000	0.000
Steele City	SD	Jones	498.454	498.595	0.140	SD075	Kirley clay loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.140	0.004	0.140	0.000	0.000	0.000
Steele City	SD	Jones	498.595	498.771	0.176	SD075	Promise clay, 6 to 9 percent slopes	0.000	0.164	0.200	0.000	0.000	0.176	0.000	0.000	0.000
Steele City	SD	Jones	498.771	498.811	0.040	SD075	Ree loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.040	0.001	0.040	0.000	0.000	0.000
Steele City	SD	Jones	498.811	499.044	0.233	SD075	Mosher silt loam	0.000	0.000	0.200	0.000	0.007	0.233	0.000	0.000	0.000
Steele City	SD	Jones	499.044	499.132	0.088	SD075	Promise clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.088	0.002	0.088	0.000	0.000	0.000
Steele City	SD	Jones	499.132	499.414	0.282	SD075	Opal clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.282	0.003	0.282	0.000	0.000	0.000
Steele City	SD	Jones	499.414	499.741	0.327	SD075	Kirley clay loam, 2 to 6 percent slopes	0.000	0.000	0.200	0.327	0.010	0.327	0.000	0.000	0.000
Steele City	SD	Jones	499.741	499.838	0.097	SD075	Witten silty clay	0.000	0.000	0.200	0.097	0.001	0.097	0.000	0.000	0.000
Steele City	SD	Jones	499.838	500.242	0.405	SD075	Promise clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.405	0.008	0.405	0.000	0.000	0.000
Steele City	SD	Jones	500.242	500.348	0.106	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.090	0.200	0.000	0.005	0.101	0.005	0.000	0.000
Steele City	SD	Jones	500.348	500.499	0.151	SD075	Promise clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.151	0.003	0.151	0.000	0.000	0.000
Steele City	SD	Jones	500.499	500.939	0.439	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.374	0.200	0.000	0.022	0.417	0.022	0.000	0.000
Steele City	SD	Jones	500.939	501.052	0.113	SD075	Promise clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.113	0.002	0.113	0.000	0.000	0.000
Steele City	SD	Jones	501.052	501.238	0.186	SD075	Promise clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.186	0.004	0.186	0.000	0.000	0.000
Steele City	SD	Jones	501.238	501.386	0.149	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.131	0.200	0.000	0.006	0.149	0.000	0.000	0.000
Steele City	SD	Jones	501.386	501.484	0.098	SD075	Promise clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.098	0.002	0.098	0.000	0.000	0.000
Steele City	SD	Jones	501.484	501.614	0.130	SD075	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	0.000	0.074	0.200	0.000	0.004	0.130	0.000	0.000	0.000
Steele City	SD	Jones	501.614	501.816	0.202	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.171	0.200	0.000	0.010	0.192	0.010	0.000	0.000
Steele City	SD	Jones	501.816	501.978	0.163	SD075	Promise clay, 6 to 9 percent slopes	0.000	0.151	0.200	0.000	0.000	0.163	0.000	0.000	0.000
Steele City	SD	Jones	501.978	502.067	0.089	SD075	Promise clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.089	0.002	0.089	0.000	0.000	0.000
Steele City	SD	Jones	502.067	502.162	0.095	SD075	Sansarc-Opal clays, 9 to 40 percent slopes	0.000	0.087	0.200	0.000	0.000	0.093	0.002	0.000	0.000
Steele City	SD	Jones	502.162	502.194	0.032	SD075	Water	0.000	0.000	0.200	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	SD	Jones	502.194	502.241	0.046	SD075	Sansarc-Opal clays, 9 to 40 percent slopes	0.000	0.043	0.200	0.000	0.000	0.045	0.001	0.000	0.000
Steele City	SD	Jones	502.241	502.306	0.065	SD075	Promise clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.065	0.001	0.065	0.000	0.000	0.000
Steele City	SD	Jones	502.306	502.725	0.419	SD075	Promise clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.419	0.008	0.419	0.000	0.000	0.000
Steele City	SD	Jones	502.725	502.799	0.074	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.065	0.200	0.000	0.003	0.074	0.000	0.000	0.000
Steele City	SD	Jones	502.799	503.905	1.106	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.940	0.200	0.000	0.055	1.051	0.055	0.000	0.000
Steele City	SD	Jones	503.905	504.024	0.119	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.106	0.200	0.000	0.004	0.119	0.000	0.000	0.000
Steele City	SD	Jones	504.024	504.880	0.856	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.728	0.200	0.000	0.043	0.813	0.043	0.000	0.000
Steele City	SD	Jones	504.880	504.953	0.072	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.064	0.200	0.000	0.003	0.072	0.000	0.000	0.000
Steele City	SD	Jones	504.953	505.127	0.174	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.148	0.200	0.000	0.009	0.165	0.009	0.000	0.000
Steele City	SD	Jones	505.127	505.397	0.271	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.238	0.200	0.000	0.011	0.271	0.000	0.000	0.000
Steele City	SD	Jones	505.397	505.422	0.024	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.023	0.200	0.000	0.000	0.024	0.000	0.000	0.000
Steele City	SD	Jones	505.422	505.686	0.264	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.235	0.200	0.000	0.008	0.264	0.000	0.000	0.000
Steele City	SD	Jones	505.686	505.783	0.097	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.085	0.200	0.000	0.004	0.097	0.000	0.000	0.000
Steele City	SD	Jones	505.783	506.138	0.355	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.341	0.200	0.000	0.004	0.355	0.000	0.000	0.000
Steele City	SD	Jones	506.138	506.185	0.047	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.042	0.200	0.000	0.002	0.047	0.000	0.000	0.000
Steele City	SD	Jones	506.185	506.221	0.036	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.030	0.200	0.000	0.002	0.034	0.002	0.000	0.000
Steele City	SD	Jones	506.221	506.245	0.024	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.021	0.200	0.000	0.001	0.024	0.000	0.000	0.000
Steele City	SD	Jones	506.245	506.409	0.164	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.140	0.200	0.000	0.008	0.156	0.008	0.000	0.000
Steele City	SD	Jones	506.409	506.574	0.165	SD075	Promise clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.165	0.003	0.165	0.000	0.000	0.000
Steele City	SD	Jones	506.574	506.628	0.054	SD075	Wendte silty clay, channeled	0.000	0.000	0.200	0.000	0.002	0.054	0.000	0.000	0.000
Steele City	SD	Jones	506.628	506.678	0.050	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.044	0.200	0.000	0.002	0.050	0.000	0.000	0.000
Steele City	SD	Jones	506.678	506.882	0.203	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.195	0.200	0.000	0.002	0.203	0.000	0.000	0.000
Steele City	SD	Jones	506.882	507.177	0.296	SD075	Promise clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.296	0.006	0.296	0.000	0.000	0.000
Steele City	SD	Jones	507.177	507.274	0.097	SD075	Opal clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.097	0.001	0.097	0.000	0.000	0.000
Steele City	SD	Jones	507.274	507.381	0.106	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.093	0.200	0.000	0.004	0.106	0.000	0.000	0.000
Steele City	SD	Jones	507.381	507.504	0.124	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.105	0.200	0.000	0.006	0.117	0.006	0.000	0.000
Steele City	SD	Jones	507.504	507.606	0.102	SD075	Opal clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.102	0.001	0.102	0.000	0.000	0.000
Steele City	SD	Jones	507.606	507.649	0.043	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.040	0.200	0.000	0.001	0.042	0.001	0.000	0.000
Steele City	SD	Jones	507.649	507.700	0.051	SD075	Herdcamp-Bullcreek complex	0.000	0.002	0.200	0.000	0.031	0.051	0.000	0.000	0.000
Steele City	SD	Jones	507.700	507.752	0.052	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.046	0.200	0.000	0.002	0.052	0.000	0.000	0.000
Steele City	SD	Jones	507.752	507.822	0.070	SD075	Opal clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.070	0.001	0.070	0.000	0.000	0.000
Steele City	SD	Jones	507.822	507.929	0.107	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.094	0.200	0.000	0.004	0.107	0.000	0.000	0.000
Steele City	SD	Jones	507.929	508.104	0.175	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.168	0.200	0.000	0.002	0.175	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Jones	508.104	508.177	0.074	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.065	0.200	0.000	0.002	0.074	0.000	0.000	0.000
Steele City	SD	Jones	508.177	508.276	0.099	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.095	0.200	0.000	0.001	0.099	0.000	0.000	0.000
Steele City	SD	Jones	508.276	508.452	0.176	SD075	Opal clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.176	0.002	0.176	0.000	0.000	0.000
Steele City	SD	Jones	508.452	508.527	0.075	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.072	0.200	0.000	0.001	0.075	0.000	0.000	0.000
Steele City	SD	Jones	508.527	508.856	0.329	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.290	0.200	0.000	0.013	0.329	0.000	0.000	0.000
Steele City	SD	Jones	508.856	509.331	0.476	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.404	0.200	0.000	0.024	0.452	0.024	0.000	0.000
Steele City	SD	Jones	509.331	509.613	0.282	SD075	Opal clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.282	0.003	0.282	0.000	0.000	0.000
Steele City	SD	Jones	509.613	509.865	0.252	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.242	0.200	0.000	0.003	0.252	0.000	0.000	0.000
Steele City	SD	Jones	509.865	509.925	0.060	SD075	Opal clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.060	0.001	0.060	0.000	0.000	0.000
Steele City	SD	Jones	509.925	510.334	0.409	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.360	0.200	0.000	0.016	0.409	0.000	0.000	0.000
Steele City	SD	Jones	510.334	510.433	0.099	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.095	0.200	0.000	0.001	0.099	0.000	0.000	0.000
Steele City	SD	Jones	510.433	510.851	0.418	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.367	0.200	0.000	0.017	0.418	0.000	0.000	0.000
Steele City	SD	Jones	510.851	511.965	1.114	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.947	0.200	0.000	0.056	1.059	0.056	0.000	0.000
Steele City	SD	Jones	511.965	512.007	0.042	SD075	Promise clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.042	0.001	0.042	0.000	0.000	0.000
Steele City	SD	Jones	512.007	512.093	0.086	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.083	0.200	0.000	0.001	0.086	0.000	0.000	0.000
Steele City	SD	Jones	512.093	512.283	0.190	SD075	Promise clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.190	0.004	0.190	0.000	0.000	0.000
Steele City	SD	Jones	512.283	512.362	0.079	SD075	Opal clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.079	0.001	0.079	0.000	0.000	0.000
Steele City	SD	Jones	512.362	512.501	0.139	SD075	Promise clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.139	0.003	0.139	0.000	0.000	0.000
Steele City	SD	Jones	512.501	512.641	0.140	SD075	Opal clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.140	0.001	0.140	0.000	0.000	0.000
Steele City	SD	Jones	512.641	512.854	0.213	SD075	Promise clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.213	0.004	0.213	0.000	0.000	0.000
Steele City	SD	Jones	512.854	512.915	0.061	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.054	0.200	0.000	0.002	0.061	0.000	0.000	0.000
Steele City	SD	Jones	512.915	512.990	0.075	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.064	0.200	0.000	0.004	0.071	0.004	0.000	0.000
Steele City	SD	Jones	512.990	513.364	0.374	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.330	0.200	0.000	0.015	0.374	0.000	0.000	0.000
Steele City	SD	Jones	513.364	513.548	0.184	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.163	0.200	0.000	0.006	0.184	0.000	0.000	0.000
Steele City	SD	Jones	513.548	513.671	0.124	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.105	0.200	0.000	0.006	0.117	0.006	0.000	0.000
Steele City	SD	Jones	513.671	513.769	0.098	SD075	Promise clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.098	0.002	0.098	0.000	0.000	0.000
Steele City	SD	Jones	513.769	513.885	0.116	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.111	0.200	0.000	0.001	0.116	0.000	0.000	0.000
Steele City	SD	Jones	513.885	514.299	0.414	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.364	0.200	0.000	0.017	0.414	0.000	0.000	0.000
Steele City	SD	Jones	514.299	515.328	1.029	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.874	0.200	0.000	0.051	0.977	0.051	0.000	0.000
Steele City	SD	Jones	515.328	515.677	0.349	SD075	Opal clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.349	0.003	0.349	0.000	0.000	0.000
Steele City	SD	Jones	515.677	515.789	0.112	SD075	Promise-Bullcreek clays	0.000	0.003	0.200	0.000	0.004	0.112	0.000	0.000	0.000
Steele City	SD	Jones	515.789	516.066	0.277	SD075	Opal clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.277	0.003	0.277	0.000	0.000	0.000
Steele City	SD	Jones	516.066	516.122	0.055	SD075	Promise clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.055	0.001	0.055	0.000	0.000	0.000
Steele City	SD	Jones	516.122	516.176	0.055	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.049	0.200	0.000	0.002	0.055	0.000	0.000	0.000
Steele City	SD	Jones	516.176	516.323	0.147	SD075	Opal clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.147	0.001	0.147	0.000	0.000	0.000
Steele City	SD	Jones	516.323	516.402	0.079	SD075	Promise clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.079	0.002	0.079	0.000	0.000	0.000
Steele City	SD	Jones	516.402	516.523	0.120	SD075	Opal clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.120	0.001	0.120	0.000	0.000	0.000
Steele City	SD	Jones	516.523	516.726	0.203	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.203	0.002	0.203	0.000	0.000	0.000
Steele City	SD	Jones	516.726	516.983	0.257	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.229	0.200	0.000	0.008	0.257	0.000	0.000	0.000
Steele City	SD	Jones	516.983	517.233	0.250	SD075	Opal clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.250	0.002	0.250	0.000	0.000	0.000
Steele City	SD	Jones	517.233	517.277	0.045	SD075	Herdcamp-Bullcreek complex	0.000	0.001	0.200	0.000	0.027	0.045	0.000	0.000	0.000
Steele City	SD	Jones	517.277	517.367	0.090	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.076	0.200	0.000	0.004	0.085	0.004	0.000	0.000
Steele City	SD	Jones	517.367	517.513	0.146	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.141	0.200	0.000	0.001	0.146	0.000	0.000	0.000
Steele City	SD	Jones	517.513	517.984	0.470	SD075	Opal clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.470	0.005	0.470	0.000	0.000	0.000
Steele City	SD	Jones	517.984	518.088	0.104	SD075	Promise clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.104	0.002	0.104	0.000	0.000	0.000
Steele City	SD	Jones	518.088	518.181	0.094	SD075	Opal clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.094	0.001	0.094	0.000	0.000	0.000
Steele City	SD	Jones	518.181	518.270	0.088	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.079	0.200	0.000	0.003	0.088	0.000	0.000	0.000
Steele City	SD	Jones	518.270	518.874	0.604	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.514	0.200	0.000	0.030	0.574	0.030	0.000	0.000
Steele City	SD	Jones	518.874	518.898	0.024	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.024	0.000	0.024	0.000	0.000	0.000
Steele City	SD	Jones	518.898	519.378	0.480	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.408	0.200	0.000	0.024	0.456	0.024	0.000	0.000
Steele City	SD	Jones	519.378	519.604	0.226	SD075	Opal clay loam, 6 to 15 percent slopes	0.000	0.203	0.200	0.000	0.011	0.226	0.000	0.000	0.000
Steele City	SD	Jones	519.604	519.944	0.340	SD075	Opal clay loam, 6 to 9 percent slopes	0.000	0.323	0.200	0.340	0.017	0.340	0.000	0.000	0.000
Steele City	SD	Jones	519.944	520.041	0.098	SD075	Bullcreek clay, 0 to 6 percent slopes	0.000	0.000	0.200	0.000	0.000	0.098	0.000	0.000	0.000
Steele City	SD	Jones	520.041	520.135	0.093	SD075	Promise clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.093	0.002	0.093	0.000	0.000	0.000
Steele City	SD	Jones	520.135	520.307	0.173	SD075	Opal clay loam, 6 to 9 percent slopes	0.000	0.164	0.200	0.173	0.009	0.173	0.000	0.000	0.000
Steele City	SD	Jones	520.307	520.325	0.018	SD075	Promise clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.018	0.000	0.018	0.000	0.000	0.000
Steele City	SD	Jones	520.325	520.422	0.097	SD075	Promise-Bullcreek clays	0.000	0.003	0.200	0.000	0.004	0.097	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Jones	520.422	520.706	0.284	SD075	Promise clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.284	0.006	0.284	0.000	0.000	0.000
Steele City	SD	Jones	520.706	520.807	0.101	SD075	Bullcreek clay, 0 to 6 percent slopes	0.000	0.000	0.200	0.000	0.000	0.101	0.000	0.000	0.000
Steele City	SD	Jones	520.807	521.198	0.391	SD075	Promise clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.391	0.008	0.391	0.000	0.000	0.000
Steele City	SD	Jones	521.198	521.429	0.231	SD075	Millboro silty clay loam, 3 to 6 percent slopes	0.000	0.000	0.200	0.231	0.005	0.231	0.000	0.000	0.000
Steele City	SD	Jones	521.429	521.793	0.364	SD075	Millboro silty clay loam, 0 to 3 percent slopes	0.000	0.000	0.200	0.364	0.007	0.364	0.000	0.000	0.000
Steele City	SD	Jones	521.793	522.003	0.210	SD075	Promise-Bullcreek clays	0.000	0.006	0.200	0.000	0.008	0.210	0.000	0.000	0.000
Steele City	SD	Jones	522.003	522.085	0.083	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.083	0.001	0.083	0.000	0.000	0.000
Steele City	SD	Jones	522.085	522.305	0.219	SD075	Bullcreek clay, 0 to 6 percent slopes	0.000	0.000	0.200	0.000	0.000	0.219	0.000	0.000	0.000
Steele City	SD	Jones	522.305	522.539	0.235	SD075	Promise clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.235	0.005	0.235	0.000	0.000	0.000
Steele City	SD	Jones	522.539	522.593	0.053	SD075	Bullcreek clay, 0 to 6 percent slopes	0.000	0.000	0.200	0.000	0.000	0.053	0.000	0.000	0.000
Steele City	SD	Jones	522.593	522.868	0.275	SD075	Millboro silty clay loam, 0 to 3 percent slopes	0.000	0.000	0.200	0.275	0.006	0.275	0.000	0.000	0.000
Steele City	SD	Jones	522.868	523.008	0.140	SD075	Promise-Bullcreek clays	0.000	0.004	0.200	0.000	0.006	0.140	0.000	0.000	0.000
Steele City	SD	Jones	523.008	523.089	0.082	SD075	Millboro silty clay loam, 0 to 3 percent slopes	0.000	0.000	0.200	0.082	0.002	0.082	0.000	0.000	0.000
Steele City	SD	Jones	523.089	523.203	0.114	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.114	0.001	0.114	0.000	0.000	0.000
Steele City	SD	Jones	523.203	523.371	0.168	SD075	Millboro silty clay loam, 3 to 6 percent slopes	0.000	0.000	0.200	0.168	0.003	0.168	0.000	0.000	0.000
Steele City	SD	Jones	523.371	523.392	0.021	SD075	Millboro silty clay loam, 0 to 3 percent slopes	0.000	0.000	0.200	0.021	0.000	0.021	0.000	0.000	0.000
Steele City	SD	Jones	523.392	523.769	0.378	SD075	Witten silty clay	0.000	0.000	0.200	0.378	0.004	0.378	0.000	0.000	0.000
Steele City	SD	Jones	523.769	523.887	0.118	SD075	Millboro silty clay loam, 3 to 6 percent slopes	0.000	0.000	0.200	0.118	0.002	0.118	0.000	0.000	0.000
Steele City	SD	Jones	523.887	524.126	0.239	SD075	Millboro silty clay loam, 6 to 9 percent slopes	0.000	0.222	0.200	0.000	0.000	0.239	0.000	0.000	0.000
Steele City	SD	Jones	524.126	524.605	0.480	SD075	Millboro silty clay loam, 3 to 6 percent slopes	0.000	0.000	0.200	0.480	0.010	0.480	0.000	0.000	0.000
Steele City	SD	Jones	524.605	525.017	0.412	SD075	Promise clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.412	0.008	0.412	0.000	0.000	0.000
Steele City	SD	Lyman	525.017	525.662	0.645	SD085	Promise clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.645	0.006	0.645	0.000	0.000	0.000
Steele City	SD	Lyman	525.662	525.718	0.056	SD085	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.056	0.002	0.056	0.000	0.000	0.000
Steele City	SD	Lyman	525.718	526.245	0.527	SD085	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.527	0.016	0.527	0.000	0.000	0.000
Steele City	SD	Lyman	526.245	526.300	0.054	SD085	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.054	0.002	0.054	0.000	0.000	0.000
Steele City	SD	Lyman	526.300	526.380	0.080	SD085	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.080	0.002	0.080	0.000	0.000	0.000
Steele City	SD	Lyman	526.380	526.487	0.108	SD085	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.108	0.003	0.108	0.000	0.000	0.000
Steele City	SD	Lyman	526.487	526.488	0.000	SD085	Witten silty clay	0.000	0.000	0.200	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	SD	Lyman	526.488	526.600	0.113	SD085	Kolls silty clay	0.000	0.000	0.200	0.000	0.107	0.113	0.000	0.000	0.000
Steele City	SD	Lyman	526.600	526.714	0.114	SD085	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.114	0.003	0.114	0.000	0.000	0.000
Steele City	SD	Lyman	526.714	527.008	0.294	SD085	Witten silty clay	0.000	0.000	0.200	0.294	0.009	0.294	0.000	0.000	0.000
Steele City	SD	Lyman	527.008	527.250	0.242	SD085	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.242	0.007	0.242	0.000	0.000	0.000
Steele City	SD	Lyman	527.250	527.525	0.274	SD085	Witten silty clay	0.000	0.000	0.200	0.274	0.008	0.274	0.000	0.000	0.000
Steele City	SD	Lyman	527.525	528.156	0.631	SD085	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.631	0.019	0.631	0.000	0.000	0.000
Steele City	SD	Lyman	528.156	528.234	0.079	SD085	Promise clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.079	0.001	0.079	0.000	0.000	0.000
Steele City	SD	Lyman	528.234	528.245	0.011	SD085	Witten silty clay	0.000	0.000	0.200	0.011	0.000	0.011	0.000	0.000	0.000
Steele City	SD	Lyman	528.245	528.644	0.399	SD085	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.399	0.012	0.399	0.000	0.000	0.000
Steele City	SD	Lyman	528.644	528.796	0.151	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	0.000	0.151	0.200	0.000	0.000	0.151	0.000	0.000	0.000
Steele City	SD	Lyman	528.796	529.697	0.901	SD085	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.901	0.027	0.901	0.000	0.000	0.000
Steele City	SD	Lyman	529.697	529.832	0.135	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	0.000	0.135	0.200	0.000	0.000	0.135	0.000	0.000	0.000
Steele City	SD	Lyman	529.832	529.948	0.116	SD085	Bullcreek clay, 0 to 6 percent slopes	0.000	0.000	0.200	0.000	0.001	0.116	0.000	0.000	0.000
Steele City	SD	Lyman	529.948	530.611	0.662	SD085	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.662	0.020	0.662	0.000	0.000	0.000
Steele City	SD	Lyman	530.611	530.721	0.111	SD085	Bullcreek clay, 0 to 6 percent slopes	0.000	0.000	0.200	0.000	0.001	0.111	0.000	0.000	0.000
Steele City	SD	Lyman	530.721	530.752	0.031	SD085	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.031	0.200	0.000	0.000	0.031	0.000	0.000	0.000
Steele City	SD	Lyman	530.752	531.321	0.569	SD085	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.569	0.017	0.569	0.000	0.000	0.000
Steele City	SD	Lyman	531.321	531.536	0.215	SD085	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.215	0.006	0.215	0.000	0.000	0.000
Steele City	SD	Lyman	531.536	532.026	0.490	SD085	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.490	0.015	0.490	0.000	0.000	0.000
Steele City	SD	Lyman	532.026	532.419	0.393	SD085	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.393	0.012	0.393	0.000	0.000	0.000
Steele City	SD	Lyman	532.419	532.556	0.137	SD085	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.137	0.004	0.137	0.000	0.000	0.000
Steele City	SD	Lyman	532.556	532.786	0.229	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	0.000	0.229	0.200	0.000	0.000	0.229	0.000	0.000	0.000
Steele City	SD	Lyman	532.786	532.965	0.179	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.000	0.172	0.200	0.000	0.002	0.174	0.005	0.000	0.000
Steele City	SD	Lyman	532.965	533.041	0.077	SD085	Bullcreek clay, 0 to 6 percent slopes	0.000	0.000	0.200	0.000	0.001	0.077	0.000	0.000	0.000
Steele City	SD	Lyman	533.041	533.216	0.174	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.000	0.167	0.200	0.000	0.002	0.169	0.005	0.000	0.000
Steele City	SD	Lyman	533.216	533.443	0.228	SD085	Lakoma-Okaton silty clays, 6 to 15 percent slopes	0.000	0.226	0.200	0.000	0.002	0.228	0.000	0.000	0.000
Steele City	SD	Lyman	533.443	533.681	0.238	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	0.000	0.238	0.200	0.000	0.000	0.238	0.000	0.000	0.000
Steele City	SD	Lyman	533.681	533.738	0.057	SD085	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.057	0.002	0.057	0.000	0.000	0.000
Steele City	SD	Lyman	533.738	533.863	0.125	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.000	0.120	0.200	0.000	0.001	0.121	0.004	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Lyman	533.863	533.995	0.133	SD085	Lakoma-Okaton silty clays, 6 to 15 percent slopes	0.000	0.131	0.200	0.000	0.001	0.133	0.000	0.000	0.000
Steele City	SD	Lyman	533.995	534.124	0.128	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	0.000	0.128	0.200	0.000	0.000	0.128	0.000	0.000	0.000
Steele City	SD	Lyman	534.124	534.283	0.159	SD085	Lakoma-Okaton silty clays, 6 to 15 percent slopes	0.000	0.158	0.200	0.000	0.002	0.159	0.000	0.000	0.000
Steele City	SD	Lyman	534.283	534.651	0.368	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	0.000	0.368	0.200	0.000	0.000	0.368	0.000	0.000	0.000
Steele City	SD	Lyman	534.651	535.246	0.595	SD085	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.595	0.018	0.595	0.000	0.000	0.000
Steele City	SD	Lyman	535.246	535.500	0.254	SD085	Capa silt loam, 0 to 6 percent slopes	0.000	0.000	0.200	0.000	0.003	0.254	0.000	0.000	0.000
Steele City	SD	Lyman	535.500	535.586	0.086	SD085	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.086	0.003	0.086	0.000	0.000	0.000
Steele City	SD	Lyman	535.586	535.774	0.188	SD085	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.188	0.200	0.000	0.000	0.179	0.009	0.000	0.009
Steele City	SD	Lyman	535.774	535.821	0.047	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.000	0.045	0.200	0.000	0.000	0.046	0.001	0.000	0.000
Steele City	SD	Lyman	535.821	535.834	0.013	SD085	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.013	0.200	0.000	0.000	0.013	0.001	0.000	0.001
Steele City	SD	Lyman	535.834	535.926	0.092	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.000	0.088	0.200	0.000	0.001	0.089	0.003	0.000	0.000
Steele City	SD	Lyman	535.926	536.025	0.099	SD085	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.099	0.200	0.000	0.000	0.094	0.005	0.000	0.005
Steele City	SD	Lyman	536.025	536.612	0.587	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.000	0.564	0.200	0.000	0.006	0.570	0.018	0.000	0.000
Steele City	SD	Lyman	536.612	536.668	0.055	SD085	Bullcreek clay, 0 to 6 percent slopes	0.000	0.000	0.200	0.000	0.001	0.055	0.000	0.000	0.000
Steele City	SD	Lyman	536.668	536.749	0.081	SD085	Promise clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.081	0.001	0.081	0.000	0.000	0.000
Steele City	SD	Lyman	536.749	536.814	0.065	SD085	Hilmoe silty clay	0.000	0.000	0.200	0.065	0.001	0.063	0.000	0.000	0.003
Steele City	SD	Lyman	536.814	536.845	0.031	SD085	Bigbend silt loam	0.002	0.000	0.200	0.031	0.000	0.028	0.000	0.000	0.003
Steele City	SD	Lyman	536.845	536.875	0.030	SD085	Munjor fine sandy loam	0.001	0.000	0.200	0.030	0.000	0.003	0.000	0.000	0.026
Steele City	SD	Lyman	536.875	536.918	0.043	SD085	Water	0.000	0.000	0.200	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	SD	Tripp	536.918	536.971	0.053	SD123	Water	0.000	0.000	0.200	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	SD	Tripp	536.971	537.160	0.188	SD123	Munjor fine sandy loam	0.000	0.000	0.200	0.188	0.002	0.009	0.000	0.000	0.179
Steele City	SD	Tripp	537.160	537.326	0.167	SD123	Bigbend soils	0.000	0.000	0.200	0.167	0.002	0.152	0.000	0.000	0.015
Steele City	SD	Tripp	537.326	537.349	0.022	SD123	Hilmoe clay, 0 to 2 percent slopes	0.000	0.000	0.200	0.022	0.000	0.022	0.000	0.000	0.000
Steele City	SD	Tripp	537.349	537.614	0.266	SD123	Opal-Sansarc clays, 9 to 25 percent slopes	0.000	0.239	0.200	0.000	0.003	0.266	0.000	0.000	0.000
Steele City	SD	Tripp	537.614	537.759	0.145	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.000	0.140	0.200	0.000	0.000	0.135	0.010	0.000	0.010
Steele City	SD	Tripp	537.759	537.784	0.025	SD123	Westover loam, 9 to 25 percent slopes	0.000	0.025	0.200	0.000	0.000	0.002	0.023	0.000	0.023
Steele City	SD	Tripp	537.784	537.925	0.141	SD123	Lowry silt loam, 0 to 4 percent slopes	0.000	0.000	0.200	0.141	0.003	0.014	0.000	0.000	0.000
Steele City	SD	Tripp	537.925	538.019	0.094	SD123	Westover loam, 9 to 25 percent slopes	0.000	0.093	0.200	0.000	0.001	0.008	0.088	0.000	0.088
Steele City	SD	Tripp	538.019	538.176	0.157	SD123	Ree loam, 3 to 6 percent slopes	0.000	0.005	0.200	0.157	0.005	0.157	0.000	0.000	0.000
Steele City	SD	Tripp	538.176	538.211	0.035	SD123	Westover loam, 9 to 25 percent slopes	0.000	0.035	0.200	0.000	0.000	0.003	0.033	0.000	0.033
Steele City	SD	Tripp	538.211	538.253	0.042	SD123	Ree loam, 3 to 6 percent slopes	0.000	0.001	0.200	0.042	0.001	0.042	0.000	0.000	0.000
Steele City	SD	Tripp	538.253	538.429	0.176	SD123	Lowry silt loam, 0 to 4 percent slopes	0.000	0.000	0.200	0.176	0.004	0.018	0.000	0.000	0.000
Steele City	SD	Tripp	538.429	538.767	0.339	SD123	Ree loam, 3 to 6 percent slopes	0.000	0.010	0.200	0.339	0.010	0.339	0.000	0.000	0.000
Steele City	SD	Tripp	538.767	538.926	0.159	SD123	Westover loam, 9 to 25 percent slopes	0.000	0.157	0.200	0.000	0.002	0.014	0.149	0.000	0.149
Steele City	SD	Tripp	538.926	538.965	0.039	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.000	0.039	0.200	0.000	0.000	0.038	0.001	0.000	0.001
Steele City	SD	Tripp	538.965	539.067	0.102	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.000	0.099	0.200	0.000	0.000	0.095	0.007	0.000	0.007
Steele City	SD	Tripp	539.067	539.184	0.117	SD123	Bullcreek clay	0.000	0.000	0.200	0.000	0.001	0.117	0.000	0.000	0.000
Steele City	SD	Tripp	539.184	539.990	0.806	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.000	0.782	0.200	0.000	0.000	0.749	0.056	0.000	0.056
Steele City	SD	Tripp	539.990	540.226	0.236	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.000	0.234	0.200	0.000	0.002	0.232	0.005	0.000	0.005
Steele City	SD	Tripp	540.226	540.307	0.081	SD123	Schamber-Murdo complex, 15 to 40 percent slopes	0.000	0.081	0.200	0.000	0.000	0.044	0.073	0.000	0.073
Steele City	SD	Tripp	540.307	540.345	0.038	SD123	Westover loam, 9 to 25 percent slopes	0.000	0.038	0.200	0.000	0.000	0.003	0.036	0.000	0.036
Steele City	SD	Tripp	540.345	541.045	0.700	SD123	Ree loam, 0 to 3 percent slopes	0.000	0.000	0.200	0.700	0.049	0.700	0.000	0.000	0.000
Steele City	SD	Tripp	541.045	541.091	0.046	SD123	Westover loam, 9 to 25 percent slopes	0.000	0.045	0.200	0.000	0.000	0.004	0.043	0.000	0.043
Steele City	SD	Tripp	541.091	541.630	0.540	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.000	0.534	0.200	0.000	0.005	0.529	0.011	0.000	0.011
Steele City	SD	Tripp	541.630	542.136	0.505	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.000	0.490	0.200	0.000	0.000	0.470	0.035	0.000	0.035
Steele City	SD	Tripp	542.136	542.188	0.052	SD123	Bullcreek clay	0.000	0.000	0.200	0.000	0.001	0.052	0.000	0.000	0.000
Steele City	SD	Tripp	542.188	542.334	0.146	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.000	0.142	0.200	0.000	0.000	0.136	0.010	0.000	0.010
Steele City	SD	Tripp	542.334	542.397	0.063	SD123	Bullcreek clay	0.000	0.000	0.200	0.000	0.001	0.063	0.000	0.000	0.000
Steele City	SD	Tripp	542.397	542.671	0.275	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.000	0.266	0.200	0.000	0.000	0.255	0.019	0.000	0.019
Steele City	SD	Tripp	542.671	542.970	0.299	SD123	Bullcreek clay	0.000	0.000	0.200	0.000	0.003	0.299	0.000	0.000	0.000
Steele City	SD	Tripp	542.970	543.060	0.090	SD123	Opal clay, 3 to 9 percent slopes	0.000	0.086	0.200	0.000	0.001	0.090	0.000	0.000	0.000
Steele City	SD	Tripp	543.060	543.197	0.137	SD123	Bullcreek clay	0.000	0.000	0.200	0.000	0.001	0.137	0.000	0.000	0.000
Steele City	SD	Tripp	543.197	543.460	0.264	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.000	0.256	0.200	0.000	0.000	0.245	0.018	0.000	0.018
Steele City	SD	Tripp	543.460	543.916	0.455	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.000	0.451	0.200	0.000	0.005	0.446	0.009	0.000	0.009
Steele City	SD	Tripp	543.916	544.067	0.151	SD123	Ree loam, 6 to 9 percent slopes	0.000	0.136	0.200	0.151	0.006	0.151	0.005	0.000	0.005
Steele City	SD	Tripp	544.067	544.211	0.144	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.000	0.142	0.200	0.000	0.001	0.141	0.003	0.000	0.003
Steele City	SD	Tripp	544.211	544.758	0.547	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.000	0.520	0.200	0.000	0.005	0.525	0.022	0.000	0.022

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Tripp	544.758	544.863	0.105	SD123	Ree loam, 6 to 9 percent slopes	0.000	0.094	0.200	0.105	0.004	0.105	0.003	0.000	0.003
Steele City	SD	Tripp	544.863	544.923	0.060	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.000	0.057	0.200	0.000	0.001	0.058	0.002	0.000	0.002
Steele City	SD	Tripp	544.923	545.100	0.177	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.000	0.175	0.200	0.000	0.002	0.174	0.004	0.000	0.004
Steele City	SD	Tripp	545.100	545.209	0.109	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.000	0.104	0.200	0.000	0.001	0.105	0.004	0.000	0.004
Steele City	SD	Tripp	545.209	546.009	0.799	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.000	0.791	0.200	0.000	0.008	0.783	0.016	0.000	0.016
Steele City	SD	Tripp	546.009	546.049	0.040	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.036	0.200	0.000	0.001	0.040	0.000	0.000	0.000
Steele City	SD	Tripp	546.049	546.050	0.001	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.000	0.001	0.200	0.000	0.000	0.001	0.000	0.000	0.000
Steele City	SD	Tripp	546.050	546.619	0.569	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.507	0.200	0.000	0.011	0.569	0.000	0.000	0.000
Steele City	SD	Tripp	546.619	546.811	0.191	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.191	0.002	0.190	0.002	0.000	0.002
Steele City	SD	Tripp	546.811	546.961	0.150	SD123	Mosher silt loam	0.000	0.000	0.200	0.000	0.002	0.150	0.000	0.000	0.000
Steele City	SD	Tripp	546.961	547.088	0.127	SD123	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.127	0.003	0.127	0.000	0.000	0.000
Steele City	SD	Tripp	547.088	547.204	0.116	SD123	Mosher silt loam	0.000	0.000	0.200	0.000	0.001	0.116	0.000	0.000	0.000
Steele City	SD	Tripp	547.204	547.442	0.239	SD123	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.239	0.005	0.239	0.000	0.000	0.000
Steele City	SD	Tripp	547.442	547.540	0.098	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.098	0.001	0.097	0.001	0.000	0.001
Steele City	SD	Tripp	547.540	547.646	0.106	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.000	0.093	0.200	0.106	0.002	0.106	0.000	0.000	0.000
Steele City	SD	Tripp	547.646	548.179	0.533	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.533	0.005	0.527	0.005	0.000	0.005
Steele City	SD	Tripp	548.179	548.271	0.092	SD123	Witten silty clay	0.000	0.000	0.200	0.092	0.002	0.092	0.000	0.000	0.000
Steele City	SD	Tripp	548.271	548.400	0.129	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.129	0.001	0.128	0.001	0.000	0.001
Steele City	SD	Tripp	548.400	548.417	0.017	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.000	0.015	0.200	0.017	0.000	0.017	0.000	0.000	0.000
Steele City	SD	Tripp	548.417	548.420	0.003	SD123	Ree loam, 3 to 6 percent slopes	0.000	0.000	0.200	0.003	0.000	0.003	0.000	0.000	0.000
Steele City	SD	Tripp	548.420	548.598	0.177	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.000	0.154	0.200	0.177	0.004	0.177	0.000	0.000	0.000
Steele City	SD	Tripp	548.598	548.634	0.036	SD123	Ree loam, 3 to 6 percent slopes	0.000	0.001	0.200	0.036	0.001	0.036	0.000	0.000	0.000
Steele City	SD	Tripp	548.634	548.816	0.182	SD123	Reliance silty clay loam, 3 to 6 percent slopes	0.000	0.000	0.200	0.182	0.009	0.177	0.005	0.000	0.005
Steele City	SD	Tripp	548.816	549.399	0.583	SD123	Reliance silty clay loam, 6 to 9 percent slopes	0.000	0.548	0.200	0.583	0.006	0.578	0.006	0.000	0.006
Steele City	SD	Tripp	549.399	549.660	0.260	SD123	Reliance silty clay loam, 3 to 6 percent slopes	0.000	0.000	0.200	0.260	0.013	0.253	0.008	0.000	0.008
Steele City	SD	Tripp	549.660	549.807	0.148	SD123	Onita silt loam	0.000	0.000	0.200	0.148	0.001	0.148	0.000	0.000	0.000
Steele City	SD	Tripp	549.807	550.186	0.379	SD123	Reliance silty clay loam, 3 to 6 percent slopes	0.000	0.000	0.200	0.379	0.019	0.368	0.011	0.000	0.011
Steele City	SD	Tripp	550.186	550.288	0.102	SD123	Kolls clay	0.000	0.000	0.200	0.000	0.093	0.102	0.000	0.000	0.000
Steele City	SD	Tripp	550.288	550.852	0.563	SD123	Reliance silty clay loam, 3 to 6 percent slopes	0.000	0.000	0.200	0.563	0.028	0.546	0.017	0.000	0.017
Steele City	SD	Tripp	550.852	551.015	0.163	SD123	Millboro silty clay, 6 to 9 percent slopes	0.000	0.150	0.200	0.163	0.000	0.160	0.003	0.000	0.003
Steele City	SD	Tripp	551.015	551.076	0.062	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.062	0.001	0.061	0.001	0.000	0.001
Steele City	SD	Tripp	551.076	551.296	0.220	SD123	Carter silty clay loam	0.000	0.000	0.200	0.000	0.004	0.220	0.000	0.000	0.000
Steele City	SD	Tripp	551.296	551.355	0.058	SD123	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.058	0.001	0.058	0.000	0.000	0.000
Steele City	SD	Tripp	551.355	551.512	0.157	SD123	Carter silty clay loam	0.000	0.000	0.200	0.000	0.003	0.157	0.000	0.000	0.000
Steele City	SD	Tripp	551.512	551.602	0.090	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.090	0.001	0.089	0.001	0.000	0.001
Steele City	SD	Tripp	551.602	551.783	0.181	SD123	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.181	0.004	0.181	0.000	0.000	0.000
Steele City	SD	Tripp	551.783	551.962	0.180	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.180	0.002	0.178	0.002	0.000	0.002
Steele City	SD	Tripp	551.962	552.160	0.198	SD123	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.198	0.004	0.198	0.000	0.000	0.000
Steele City	SD	Tripp	552.160	552.404	0.245	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.245	0.002	0.242	0.002	0.000	0.002
Steele City	SD	Tripp	552.404	552.442	0.038	SD123	Witten silty clay	0.000	0.000	0.200	0.038	0.001	0.038	0.000	0.000	0.000
Steele City	SD	Tripp	552.442	552.573	0.131	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.000	0.114	0.200	0.131	0.003	0.131	0.000	0.000	0.000
Steele City	SD	Tripp	552.573	552.629	0.056	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.056	0.001	0.056	0.001	0.000	0.001
Steele City	SD	Tripp	552.629	553.029	0.399	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.000	0.347	0.200	0.399	0.008	0.399	0.000	0.000	0.000
Steele City	SD	Tripp	553.029	553.107	0.078	SD123	Carter silty clay loam	0.000	0.000	0.200	0.000	0.002	0.078	0.000	0.000	0.000
Steele City	SD	Tripp	553.107	554.369	1.262	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	1.262	0.013	1.250	0.013	0.000	0.013
Steele City	SD	Tripp	554.369	554.588	0.219	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.195	0.200	0.000	0.004	0.219	0.000	0.000	0.000
Steele City	SD	Tripp	554.588	554.649	0.061	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.061	0.001	0.061	0.001	0.000	0.001
Steele City	SD	Tripp	554.649	554.800	0.151	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.134	0.200	0.000	0.003	0.151	0.000	0.000	0.000
Steele City	SD	Tripp	554.800	554.934	0.134	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.000	0.117	0.200	0.000	0.000	0.126	0.116	0.000	0.116
Steele City	SD	Tripp	554.934	555.024	0.090	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.080	0.200	0.000	0.002	0.090	0.000	0.000	0.000
Steele City	SD	Tripp	555.024	555.042	0.018	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.000	0.016	0.200	0.000	0.000	0.017	0.015	0.000	0.015
Steele City	SD	Tripp	555.042	555.191	0.149	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.133	0.200	0.000	0.003	0.149	0.000	0.000	0.000
Steele City	SD	Tripp	555.191	555.320	0.130	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.130	0.001	0.129	0.001	0.000	0.001
Steele City	SD	Tripp	555.320	555.487	0.166	SD123	Witten silty clay	0.000	0.000	0.200	0.166	0.003	0.166	0.000	0.000	0.000
Steele City	SD	Tripp	555.487	556.311	0.825	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.825	0.008	0.816	0.008	0.000	0.008
Steele City	SD	Tripp	556.311	556.659	0.348	SD123	Witten silty clay	0.000	0.000	0.200	0.348	0.007	0.348	0.000	0.000	0.000
Steele City	SD	Tripp	556.659	556.985	0.326	SD123	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.326	0.007	0.326	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Tripp	556.985	557.033	0.048	SD123	Witten silty clay	0.000	0.000	0.200	0.048	0.001	0.048	0.000	0.000	0.000
Steele City	SD	Tripp	557.033	557.142	0.109	SD123	Erd clay	0.000	0.000	0.200	0.000	0.001	0.109	0.000	0.000	0.000
Steele City	SD	Tripp	557.142	557.348	0.206	SD123	Erd-Capa complex	0.000	0.000	0.200	0.000	0.004	0.204	0.000	0.000	0.000
Steele City	SD	Tripp	557.348	557.662	0.314	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.314	0.003	0.311	0.003	0.000	0.003
Steele City	SD	Tripp	557.662	557.721	0.058	SD123	Carter silty clay loam	0.000	0.000	0.200	0.000	0.001	0.058	0.000	0.000	0.000
Steele City	SD	Tripp	557.721	557.875	0.154	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.154	0.002	0.153	0.002	0.000	0.002
Steele City	SD	Tripp	557.875	558.003	0.128	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.114	0.200	0.000	0.003	0.128	0.000	0.000	0.000
Steele City	SD	Tripp	558.003	558.300	0.297	SD123	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.297	0.006	0.297	0.000	0.000	0.000
Steele City	SD	Tripp	558.300	558.367	0.066	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.066	0.001	0.066	0.001	0.000	0.001
Steele City	SD	Tripp	558.367	558.460	0.093	SD123	Witten silty clay	0.000	0.000	0.200	0.093	0.002	0.093	0.000	0.000	0.000
Steele City	SD	Tripp	558.460	558.649	0.189	SD123	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.189	0.004	0.189	0.000	0.000	0.000
Steele City	SD	Tripp	558.649	558.716	0.068	SD123	Witten silty clay	0.000	0.000	0.200	0.068	0.001	0.068	0.000	0.000	0.000
Steele City	SD	Tripp	558.716	559.080	0.364	SD123	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.364	0.007	0.364	0.000	0.000	0.000
Steele City	SD	Tripp	559.080	559.229	0.148	SD123	Witten silty clay	0.000	0.000	0.200	0.148	0.003	0.148	0.000	0.000	0.000
Steele City	SD	Tripp	559.229	560.120	0.891	SD123	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.891	0.018	0.891	0.000	0.000	0.000
Steele City	SD	Tripp	560.120	560.250	0.131	SD123	Erd-Capa complex	0.000	0.000	0.200	0.000	0.003	0.129	0.000	0.000	0.000
Steele City	SD	Tripp	560.250	560.341	0.091	SD123	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.091	0.002	0.091	0.000	0.000	0.000
Steele City	SD	Tripp	560.341	560.441	0.099	SD123	Erd-Capa complex	0.000	0.000	0.200	0.000	0.002	0.098	0.000	0.000	0.000
Steele City	SD	Tripp	560.441	560.938	0.497	SD123	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.497	0.010	0.497	0.000	0.000	0.000
Steele City	SD	Tripp	560.938	561.033	0.094	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.094	0.001	0.093	0.001	0.000	0.001
Steele City	SD	Tripp	561.033	561.213	0.180	SD123	Millboro silty clay, 6 to 9 percent slopes	0.000	0.166	0.200	0.180	0.000	0.176	0.004	0.000	0.004
Steele City	SD	Tripp	561.213	561.424	0.211	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.000	0.201	0.200	0.000	0.002	0.203	0.008	0.000	0.008
Steele City	SD	Tripp	561.424	561.628	0.205	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.182	0.200	0.000	0.004	0.205	0.000	0.000	0.000
Steele City	SD	Tripp	561.628	561.970	0.342	SD123	Millboro silty clay, 6 to 9 percent slopes	0.000	0.314	0.200	0.342	0.000	0.335	0.007	0.000	0.007
Steele City	SD	Tripp	561.970	562.041	0.071	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.063	0.200	0.000	0.001	0.071	0.000	0.000	0.000
Steele City	SD	Tripp	562.041	562.503	0.462	SD123	Millboro silty clay, 6 to 9 percent slopes	0.000	0.425	0.200	0.462	0.000	0.453	0.009	0.000	0.009
Steele City	SD	Tripp	562.503	562.624	0.121	SD123	Witten silty clay	0.000	0.000	0.200	0.121	0.002	0.121	0.000	0.000	0.000
Steele City	SD	Tripp	562.624	562.833	0.209	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.209	0.002	0.207	0.002	0.000	0.002
Steele City	SD	Tripp	562.833	563.021	0.188	SD123	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.188	0.004	0.188	0.000	0.000	0.000
Steele City	SD	Tripp	563.021	563.105	0.084	SD123	Witten silty clay	0.000	0.000	0.200	0.084	0.002	0.084	0.000	0.000	0.000
Steele City	SD	Tripp	563.105	563.260	0.155	SD123	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.155	0.003	0.155	0.000	0.000	0.000
Steele City	SD	Tripp	563.260	563.483	0.223	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.198	0.200	0.000	0.004	0.223	0.000	0.000	0.000
Steele City	SD	Tripp	563.483	563.537	0.054	SD123	Water	0.000	0.000	0.200	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	SD	Tripp	563.537	563.649	0.112	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.100	0.200	0.000	0.002	0.112	0.000	0.000	0.000
Steele City	SD	Tripp	563.649	563.778	0.129	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.000	0.123	0.200	0.000	0.001	0.124	0.005	0.000	0.005
Steele City	SD	Tripp	563.778	563.879	0.101	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.000	0.087	0.200	0.000	0.000	0.095	0.086	0.000	0.086
Steele City	SD	Tripp	563.879	563.954	0.075	SD123	Canning loam, 2 to 5 percent slopes	0.000	0.000	0.200	0.075	0.001	0.074	0.067	0.000	0.067
Steele City	SD	Tripp	563.954	563.962	0.008	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.000	0.007	0.200	0.000	0.000	0.008	0.007	0.000	0.007
Steele City	SD	Tripp	563.962	563.983	0.021	SD123	Canning loam, 2 to 5 percent slopes	0.000	0.000	0.200	0.021	0.000	0.021	0.019	0.000	0.019
Steele City	SD	Tripp	563.983	564.051	0.068	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.000	0.060	0.200	0.000	0.000	0.064	0.059	0.000	0.059
Steele City	SD	Tripp	564.051	564.303	0.252	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.000	0.239	0.200	0.000	0.003	0.242	0.010	0.000	0.010
Steele City	SD	Tripp	564.303	564.535	0.232	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.206	0.200	0.000	0.005	0.232	0.000	0.000	0.000
Steele City	SD	Tripp	564.535	564.567	0.033	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.000	0.031	0.200	0.000	0.000	0.031	0.001	0.000	0.001
Steele City	SD	Tripp	564.567	564.619	0.051	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.000	0.045	0.200	0.000	0.000	0.048	0.044	0.000	0.044
Steele City	SD	Tripp	564.619	564.759	0.140	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.000	0.133	0.200	0.000	0.001	0.135	0.006	0.000	0.006
Steele City	SD	Tripp	564.759	564.858	0.099	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.088	0.200	0.000	0.002	0.099	0.000	0.000	0.000
Steele City	SD	Tripp	564.858	565.049	0.191	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.191	0.002	0.189	0.002	0.000	0.002
Steele City	SD	Tripp	565.049	565.299	0.250	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.223	0.200	0.000	0.005	0.250	0.000	0.000	0.000
Steele City	SD	Tripp	565.299	565.395	0.096	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.096	0.001	0.095	0.001	0.000	0.001
Steele City	SD	Tripp	565.395	565.452	0.058	SD123	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.200	0.058	0.001	0.058	0.000	0.000	0.000
Steele City	SD	Tripp	565.452	565.554	0.101	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.200	0.101	0.001	0.100	0.001	0.000	0.001
Steele City	SD	Tripp	565.554	565.623	0.070	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.062	0.200	0.000	0.001	0.070	0.000	0.000	0.000
Steele City	SD	Tripp	565.623	565.721	0.098	SD123	Inavale complex, channeled	0.080	0.000	0.200	0.000	0.001	0.008	0.000	0.000	0.080
Steele City	SD	Tripp	565.721	566.083	0.362	SD123	Bridgeport complex	0.000	0.000	0.200	0.362	0.000	0.355	0.000	0.000	0.007
Steele City	SD	Tripp	566.083	566.108	0.025	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.200	0.025	0.001	0.001	0.000	0.000	0.016
Steele City	SD	Tripp	566.108	566.245	0.136	SD123	Bridgeport complex	0.000	0.000	0.200	0.136	0.000	0.134	0.000	0.000	0.003
Steele City	SD	Tripp	566.245	566.534	0.289	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.200	0.289	0.009	0.006	0.000	0.000	0.188

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Tripp	566.534	566.659	0.126	SD123	Bridgeport complex	0.000	0.000	0.035	0.126	0.000	0.123	0.000	0.000	0.003
Steele City	SD	Tripp	566.659	566.965	0.305	SD123	Witten silty clay	0.000	0.000	0.302	0.305	0.006	0.305	0.000	0.000	0.000
Steele City	SD	Tripp	566.965	567.171	0.206	SD123	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.204	0.206	0.004	0.206	0.000	0.000	0.000
Steele City	SD	Tripp	567.171	567.255	0.084	SD123	Witten silty clay	0.000	0.000	0.083	0.084	0.002	0.084	0.000	0.000	0.000
Steele City	SD	Tripp	567.255	567.418	0.163	SD123	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.161	0.163	0.003	0.163	0.000	0.000	0.000
Steele City	SD	Tripp	567.418	567.689	0.271	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.252	0.271	0.003	0.269	0.003	0.000	0.003
Steele City	SD	Tripp	567.689	567.847	0.157	SD123	Millboro silty clay, 0 to 3 percent slopes	0.000	0.000	0.156	0.157	0.003	0.157	0.000	0.000	0.000
Steele City	SD	Tripp	567.847	567.860	0.013	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000	0.000	0.012	0.013	0.000	0.013	0.000	0.000	0.000
Steele City	SD	Tripp	567.860	567.930	0.071	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.063	0.028	0.000	0.001	0.071	0.000	0.000	0.000
Steele City	SD	Tripp	567.930	568.619	0.689	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.000	0.655	0.041	0.000	0.007	0.662	0.028	0.000	0.028
Steele City	SD	Tripp	568.619	568.894	0.274	SD123	Ree loam, 6 to 9 percent slopes	0.000	0.247	0.008	0.274	0.011	0.274	0.008	0.000	0.008
Steele City	SD	Tripp	568.894	568.913	0.020	SD123	Millboro silty clay, 6 to 9 percent slopes	0.000	0.018	0.017	0.020	0.000	0.019	0.000	0.000	0.000
Steele City	SD	Tripp	568.913	569.279	0.365	SD123	Ree loam, 6 to 9 percent slopes	0.000	0.329	0.011	0.365	0.015	0.365	0.011	0.000	0.011
Steele City	SD	Tripp	569.279	569.361	0.082	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.073	0.033	0.000	0.002	0.082	0.000	0.000	0.000
Steele City	SD	Tripp	569.361	569.546	0.185	SD123	Ree loam, 6 to 9 percent slopes	0.000	0.166	0.006	0.185	0.007	0.185	0.006	0.000	0.006
Steele City	SD	Tripp	569.546	569.647	0.101	SD123	Ree loam, 9 to 15 percent slopes	0.000	0.098	0.000	0.000	0.001	0.092	0.009	0.000	0.007
Steele City	SD	Tripp	569.647	569.801	0.154	SD123	Ree loam, 6 to 9 percent slopes	0.000	0.139	0.005	0.154	0.006	0.154	0.005	0.000	0.005
Steele City	SD	Tripp	569.801	569.944	0.143	SD123	Promise clay, 6 to 9 percent slopes	0.000	0.135	0.135	0.000	0.001	0.143	0.000	0.000	0.000
Steele City	SD	Tripp	569.944	570.016	0.073	SD123	Millboro silty clay, 6 to 9 percent slopes	0.000	0.067	0.062	0.073	0.000	0.071	0.001	0.000	0.001
Steele City	SD	Tripp	570.016	570.101	0.084	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.008	0.067	0.000	0.000	0.000	0.000	0.020	0.003	0.071
Steele City	SD	Tripp	570.101	570.518	0.418	SD123	Ree loam, 6 to 9 percent slopes	0.000	0.376	0.013	0.418	0.017	0.418	0.013	0.000	0.013
Steele City	SD	Tripp	570.518	570.641	0.123	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.004	0.000	0.000	0.123	0.001	0.001	0.001	0.000	0.115
Steele City	SD	Tripp	570.641	570.732	0.092	SD123	Manter fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.092	0.002	0.001	0.005	0.000	0.087
Steele City	SD	Tripp	570.732	570.882	0.150	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.005	0.000	0.000	0.150	0.002	0.002	0.002	0.000	0.141
Steele City	SD	Tripp	570.882	571.093	0.211	SD123	Anselmo fine sandy loam, 3 to 6 percent slopes	0.006	0.000	0.000	0.211	0.002	0.000	0.000	0.000	0.206
Steele City	SD	Tripp	571.093	571.197	0.104	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.002	0.104	0.003	0.002	0.000	0.000	0.067
Steele City	SD	Tripp	571.197	571.326	0.129	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.118	0.000	0.001	0.000	0.000	0.001	0.001	0.001	0.122
Steele City	SD	Tripp	571.326	571.329	0.003	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003
Steele City	SD	Tripp	571.329	571.390	0.062	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.057	0.000	0.001	0.000	0.000	0.001	0.001	0.001	0.058
Steele City	SD	Tripp	571.390	571.439	0.049	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047
Steele City	SD	Tripp	571.439	571.609	0.170	SD123	Anselmo loamy fine sand, 0 to 9 percent slopes, eroded	0.153	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.153
Steele City	SD	Tripp	571.609	572.182	0.573	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.544	0.000	0.000	0.000	0.006	0.000	0.023	0.006	0.561
Steele City	SD	Tripp	572.182	572.241	0.060	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.032	0.000	0.001	0.000	0.002	0.002	0.000	0.000	0.033
Steele City	SD	Tripp	572.241	572.354	0.113	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.107	0.000	0.000	0.000	0.001	0.000	0.005	0.001	0.111
Steele City	SD	Tripp	572.354	572.542	0.187	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.099	0.000	0.004	0.000	0.006	0.006	0.000	0.000	0.103
Steele City	SD	Tripp	572.542	572.657	0.116	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.103	0.046	0.000	0.002	0.116	0.000	0.000	0.000
Steele City	SD	Tripp	572.657	573.083	0.426	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.000	0.000	0.004	0.000	0.004	0.387	0.004	0.000	0.021
Steele City	SD	Tripp*	573.083	573.238	0.155	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.151	0.000	0.000	0.000	0.002	0.000	0.002	0.002	0.151
Steele City	SD	Tripp*	573.238	573.837	0.599	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.317	0.000	0.012	0.000	0.018	0.018	0.000	0.000	0.329
Steele City	SD	Tripp*	573.837	573.935	0.098	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.095	0.000	0.000	0.000	0.001	0.000	0.001	0.001	0.095
Steele City	SD	Tripp*	573.935	574.070	0.135	SD123	Elsmere fine sandy loam	0.007	0.000	0.007	0.135	0.007	0.007	0.000	0.000	0.013
Steele City	SD	Tripp*	574.070	574.175	0.105	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.102	0.000	0.000	0.000	0.001	0.000	0.001	0.001	0.102
Steele City	SD	Tripp*	574.175	574.244	0.069	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.066	0.000	0.000	0.000	0.001	0.000	0.003	0.001	0.068
Steele City	SD	Tripp*	574.244	574.315	0.071	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.038	0.000	0.001	0.000	0.002	0.002	0.000	0.000	0.039
Steele City	SD	Tripp*	574.315	574.387	0.071	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.069	0.000	0.000	0.000	0.001	0.000	0.001	0.001	0.069
Steele City	SD	Tripp*	574.387	574.547	0.160	SD123	Elsmere fine sandy loam	0.008	0.000	0.008	0.160	0.008	0.008	0.000	0.000	0.016
Steele City	SD	Tripp*	574.547	574.613	0.066	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.064	0.000	0.000	0.000	0.001	0.000	0.001	0.001	0.064
Steele City	SD	Tripp*	574.613	574.686	0.073	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.038	0.000	0.001	0.000	0.002	0.002	0.000	0.000	0.040
Steele City	SD	Tripp*	574.686	575.191	0.505	SD123	Valentine-Longpine complex, 6 to 15 percent slopes	0.394	0.000	0.000	0.000	0.000	0.000	0.111	0.010	0.495
Steele City	SD	Tripp*	575.191	575.195	0.004	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004
Steele City	SD	Tripp*	575.195	575.748	0.553	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.537	0.000	0.000	0.000	0.006	0.000	0.006	0.006	0.537
Steele City	SD	Tripp*	575.748	575.953	0.205	SD123	Ronson-Longpine fine sandy loams, 0 to 6 percent slopes	0.012	0.000	0.002	0.000	0.002	0.002	0.072	0.000	0.098
Steele City	SD	Tripp*	575.953	576.110	0.157	SD123	Valentine-Longpine complex, 6 to 15 percent slopes	0.123	0.000	0.000	0.000	0.000	0.000	0.035	0.003	0.154
Steele City	SD	Tripp*	576.110	576.224	0.114	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.110	0.000	0.000	0.000	0.001	0.000	0.001	0.001	0.110
Steele City	SD	Tripp*	576.224	576.406	0.182	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.097	0.000	0.004	0.000	0.005	0.005	0.000	0.000	0.100
Steele City	SD	Tripp*	576.406	576.444	0.038	SD123	Elsmere fine sandy loam	0.002	0.000	0.002	0.038	0.002	0.002	0.000	0.000	0.004
Steele City	SD	Tripp*	576.444	576.542	0.098	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.052	0.000	0.002	0.000	0.003	0.003	0.000	0.000	0.054

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Tripp*	576.542	576.619	0.077	SD123	Elsmere fine sandy loam	0.004	0.000	0.004	0.077	0.004	0.004	0.000	0.000	0.008
Steele City	SD	Tripp*	576.619	576.778	0.159	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.084	0.000	0.003	0.000	0.005	0.005	0.000	0.000	0.087
Steele City	SD	Tripp*	576.778	576.882	0.104	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.101	0.000	0.000	0.000	0.001	0.000	0.001	0.001	0.101
Steele City	SD	Tripp*	576.882	577.017	0.135	SD123	Ronson fine sandy loam, 0 to 4 percent slopes	0.004	0.000	0.004	0.000	0.000	0.004	0.004	0.000	0.012
Steele City	SD	Tripp*	577.017	577.194	0.177	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.000	0.000	0.000	0.177	0.002	0.000	0.009	0.000	0.169
Steele City	SD	Tripp*	577.194	577.287	0.092	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.085	0.000	0.001	0.000	0.000	0.001	0.001	0.001	0.088
Steele City	SD	Tripp*	577.287	577.375	0.089	SD123	Anselmo fine sandy loam, 3 to 6 percent slopes	0.003	0.000	0.000	0.089	0.001	0.000	0.000	0.000	0.087
Steele City	SD	Tripp*	577.375	577.592	0.217	SD123	Elsmere fine sandy loam	0.011	0.000	0.011	0.217	0.011	0.011	0.000	0.000	0.022
Steele City	SD	Tripp*	577.592	577.634	0.041	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.038	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.039
Steele City	SD	Tripp*	577.634	577.874	0.240	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.000	0.000	0.000	0.240	0.002	0.000	0.012	0.000	0.228
Steele City	SD	Tripp*	577.874	577.917	0.043	SD123	Vetal fine sandy loam	0.002	0.000	0.002	0.043	0.000	0.002	0.000	0.000	0.006
Steele City	SD	Tripp*	577.917	578.044	0.127	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.117	0.000	0.001	0.000	0.000	0.001	0.001	0.001	0.121
Steele City	SD	Tripp*	578.044	578.114	0.070	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.067	0.000	0.000	0.000	0.001	0.000	0.001	0.001	0.067
Steele City	SD	Tripp*	578.114	578.366	0.253	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.000	0.000	0.000	0.253	0.003	0.000	0.013	0.000	0.240
Steele City	SD	Tripp*	578.366	578.417	0.050	SD123	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.001	0.000	0.002	0.000	0.047
Steele City	SD	Tripp*	578.417	578.791	0.375	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.363	0.000	0.000	0.000	0.004	0.000	0.004	0.004	0.363
Steele City	SD	Tripp*	578.791	578.884	0.093	SD123	Whitelake fine sandy loam	0.003	0.000	0.084	0.000	0.001	0.084	0.000	0.000	0.089
Steele City	SD	Tripp*	578.884	579.007	0.122	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.113	0.000	0.001	0.000	0.000	0.001	0.001	0.001	0.116
Steele City	SD	Tripp*	579.007	579.189	0.182	SD123	Whitelake fine sandy loam	0.005	0.000	0.166	0.000	0.002	0.166	0.000	0.000	0.175
Steele City	SD	Tripp*	579.189	579.335	0.146	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.134	0.000	0.001	0.000	0.000	0.001	0.001	0.001	0.138
Steele City	SD	Tripp*	579.335	579.403	0.069	SD123	Whitelake-Lute fine sandy loams	0.006	0.000	0.055	0.000	0.001	0.055	0.000	0.000	0.048
Steele City	SD	Tripp*	579.403	579.776	0.372	SD123	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.004	0.000	0.015	0.000	0.350
Steele City	SD	Tripp*	579.776	579.993	0.217	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.000	0.000	0.002	0.000	0.002	0.198	0.002	0.000	0.011
Steele City	SD	Tripp*	579.993	580.051	0.058	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.001	0.058	0.002	0.001	0.000	0.000	0.038
Steele City	SD	Tripp*	580.051	580.294	0.243	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.000	0.000	0.002	0.000	0.002	0.221	0.002	0.000	0.012
Steele City	SD	Tripp*	580.294	580.447	0.153	SD123	Wewela fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.006	0.000	0.002	0.136	0.000	0.000	0.012
Steele City	SD	Tripp*	580.447	580.479	0.032	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.029	0.000	0.000	0.002
Steele City	SD	Tripp*	580.479	580.531	0.053	SD123	Longpine-Rock outcrop complex, 15 to 40 percent slopes	0.003	0.046	0.000	0.000	0.000	0.000	0.042	0.016	0.033
Steele City	SD	Tripp*	580.531	580.642	0.111	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.102	0.000	0.001	0.000	0.000	0.001	0.001	0.001	0.105
Steele City	SD	Tripp*	580.642	580.828	0.186	SD123	Whitelake fine sandy loam	0.006	0.000	0.169	0.000	0.002	0.169	0.000	0.000	0.179
Steele City	SD	Tripp*	580.828	580.972	0.144	SD123	Whitelake-Lute fine sandy loams	0.013	0.000	0.115	0.000	0.001	0.115	0.000	0.000	0.099
Steele City	SD	Tripp*	580.972	581.009	0.037	SD123	Whitelake fine sandy loam	0.001	0.000	0.033	0.000	0.000	0.033	0.000	0.000	0.035
Steele City	SD	Tripp*	581.009	581.035	0.026	SD123	Whitelake-Lute fine sandy loams	0.002	0.000	0.021	0.000	0.000	0.021	0.000	0.000	0.018
Steele City	SD	Tripp*	581.035	581.237	0.202	SD123	Whitelake fine sandy loam	0.006	0.000	0.184	0.000	0.002	0.184	0.000	0.000	0.194
Steele City	SD	Tripp*	581.237	581.330	0.093	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.086	0.000	0.001	0.000	0.000	0.001	0.001	0.001	0.088
Steele City	SD	Tripp*	581.330	581.476	0.145	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.138	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.138
Steele City	SD	Tripp*	581.476	581.853	0.378	SD123	Valentine-Longpine complex, 6 to 15 percent slopes	0.295	0.000	0.000	0.000	0.000	0.000	0.083	0.008	0.370
Steele City	SD	Tripp*	581.853	581.938	0.084	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.078	0.000	0.001	0.000	0.000	0.001	0.001	0.001	0.080
Steele City	SD	Tripp*	581.938	581.982	0.045	SD123	Valentine-Longpine complex, 6 to 15 percent slopes	0.035	0.000	0.000	0.000	0.000	0.000	0.010	0.001	0.044
Steele City	SD	Tripp*	581.982	582.097	0.114	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.105	0.000	0.001	0.000	0.000	0.001	0.001	0.001	0.108
Steele City	SD	Tripp*	582.097	582.215	0.119	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.115	0.000	0.000	0.000	0.001	0.000	0.001	0.001	0.115
Steele City	SD	Tripp*	582.215	582.267	0.052	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.027	0.000	0.001	0.000	0.002	0.002	0.000	0.000	0.028
Steele City	SD	Tripp*	582.267	582.389	0.122	SD123	Valentine-Longpine complex, 6 to 15 percent slopes	0.095	0.000	0.000	0.000	0.000	0.000	0.027	0.002	0.120
Steele City	SD	Tripp*	582.389	582.600	0.211	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.200	0.000	0.000	0.000	0.002	0.000	0.008	0.002	0.207
Steele City	SD	Tripp*	582.600	582.644	0.044	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.043	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.043
Steele City	SD	Tripp*	582.644	582.681	0.037	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.020	0.000	0.001	0.000	0.001	0.001	0.000	0.000	0.020
Steele City	SD	Tripp*	582.681	582.764	0.083	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.081	0.000	0.000	0.000	0.001	0.000	0.001	0.001	0.081
Steele City	SD	Tripp*	582.764	582.852	0.088	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.047	0.000	0.002	0.000	0.003	0.003	0.000	0.000	0.048
Steele City	SD	Tripp*	582.852	582.960	0.108	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.105	0.000	0.000	0.000	0.001	0.000	0.001	0.001	0.105
Steele City	SD	Tripp*	582.960	583.013	0.054	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.051	0.000	0.000	0.000	0.001	0.000	0.002	0.001	0.052
Steele City	SD	Tripp*	583.013	583.032	0.019	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018
Steele City	SD	Tripp*	583.032	583.108	0.076	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.072	0.000	0.000	0.000	0.001	0.000	0.003	0.001	0.074
Steele City	SD	Tripp*	583.108	583.281	0.173	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.159	0.000	0.002	0.000	0.000	0.002	0.002	0.002	0.165
Steele City	SD	Tripp*	583.281	583.357	0.077	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.073	0.000	0.000	0.000	0.001	0.000	0.003	0.001	0.075
Steele City	SD	Tripp*	583.357	583.564	0.207	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.201	0.000	0.000	0.000	0.002	0.000	0.002	0.002	0.201
Steele City	SD	Tripp*	583.564	583.646	0.082	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.043	0.000	0.002	0.000	0.002	0.002	0.000	0.000	0.045
Steele City	SD	Tripp*	583.646	583.850	0.204	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.194	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.194

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Tripp*	583.850	583.894	0.044	SD123	Ronson fine sandy loam, 0 to 4 percent slopes	0.001	0.000	0.001	0.000	0.000	0.001	0.001	0.000	0.004
Steele City	SD	Tripp*	583.894	583.898	0.003	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003
Steele City	SD	Tripp*	583.898	584.292	0.394	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.362	0.000	0.004	0.000	0.000	0.004	0.004	0.004	0.374
Steele City	SD	Tripp*	584.292	584.411	0.119	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.063	0.000	0.002	0.000	0.004	0.004	0.000	0.000	0.066
Steele City	SD	Tripp*	584.411	584.675	0.264	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.256	0.000	0.000	0.000	0.003	0.000	0.003	0.003	0.256
Steele City	SD	Tripp*	584.675	584.854	0.178	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.164	0.000	0.002	0.000	0.000	0.002	0.002	0.002	0.169
Steele City	SD	Tripp*	584.854	584.942	0.089	SD123	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.001	0.000	0.004	0.000	0.083
Steele City	SD	Tripp*	584.942	585.017	0.074	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.071	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.071
Steele City	SD	Tripp*	585.017	585.305	0.289	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.000	0.000	0.003	0.000	0.003	0.263	0.003	0.000	0.014
Steele City	SD	Tripp*	585.305	585.308	0.002	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002
Steele City	SD	Tripp*	585.308	585.409	0.101	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.000	0.000	0.000	0.101	0.001	0.000	0.005	0.000	0.096
Steele City	SD	Tripp*	585.409	585.410	0.002	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Steele City	SD	Tripp*	585.410	585.543	0.133	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.000	0.000	0.000	0.133	0.001	0.000	0.007	0.000	0.126
Steele City	SD	Tripp*	585.543	585.646	0.103	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.095	0.000	0.001	0.000	0.000	0.001	0.001	0.001	0.098
Steele City	SD	Tripp*	585.646	585.715	0.069	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.037	0.000	0.001	0.000	0.002	0.002	0.000	0.000	0.038
Steele City	SD	Tripp*	585.715	585.853	0.137	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.130	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.130
Steele City	SD	Tripp*	585.853	585.937	0.084	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.082	0.000	0.000	0.000	0.001	0.000	0.001	0.001	0.082
Steele City	SD	Tripp*	585.937	586.175	0.239	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.227	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.227
Steele City	SD	Tripp*	586.175	586.380	0.205	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.188	0.000	0.002	0.000	0.000	0.002	0.002	0.002	0.194
Steele City	SD	Tripp*	586.380	586.633	0.253	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.241	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.241
Steele City	SD	Tripp*	586.633	587.126	0.492	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.453	0.000	0.005	0.000	0.000	0.005	0.005	0.005	0.468
Steele City	SD	Tripp*	587.126	587.618	0.492	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.000	0.000	0.000	0.492	0.005	0.000	0.025	0.000	0.468
Steele City	SD	Tripp*	587.618	587.717	0.099	SD123	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.001	0.000	0.004	0.000	0.093
Steele City	SD	Tripp*	587.717	588.197	0.480	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.000	0.000	0.000	0.480	0.005	0.000	0.024	0.000	0.456
Steele City	SD	Tripp*	588.197	588.215	0.018	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017
Steele City	SD	Tripp*	588.215	588.331	0.115	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.061	0.000	0.002	0.000	0.003	0.003	0.000	0.000	0.063
Steele City	SD	Tripp*	588.331	588.418	0.087	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.085	0.000	0.000	0.000	0.001	0.000	0.001	0.001	0.085
Steele City	SD	Tripp*	588.418	588.626	0.208	SD123	Ronson-Longpine fine sandy loams, 0 to 6 percent slopes	0.013	0.000	0.002	0.000	0.002	0.002	0.073	0.000	0.100
Steele City	SD	Tripp*	588.626	588.750	0.124	SD123	Ronson fine sandy loam, 0 to 4 percent slopes	0.004	0.000	0.004	0.000	0.000	0.004	0.004	0.000	0.011
Steele City	SD	Tripp*	588.750	588.789	0.039	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.004	0.031	0.000	0.000	0.000	0.000	0.009	0.002	0.033
Steele City	SD	Tripp*	588.789	589.051	0.262	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.257	0.000	0.000	0.005	0.029	0.021	0.000	0.230
Steele City	SD	Tripp*	589.051	589.176	0.125	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.011	0.099	0.000	0.000	0.000	0.000	0.030	0.005	0.105
Steele City	SD	Tripp*	589.176	589.240	0.063	SD123	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.001	0.000	0.003	0.000	0.060
Steele City	SD	Tripp*	589.240	589.336	0.096	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.009	0.076	0.000	0.000	0.000	0.000	0.023	0.004	0.081
Steele City	SD	Tripp*	589.336	589.458	0.122	SD123	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.001	0.000	0.005	0.000	0.115
Steele City	SD	Tripp*	589.458	589.554	0.096	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.009	0.076	0.000	0.000	0.000	0.000	0.023	0.004	0.081
Steele City	SD	Tripp*	589.554	590.019	0.464	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.014	0.000	0.000	0.464	0.005	0.005	0.005	0.000	0.437
Steele City	SD	Tripp*	590.019	590.189	0.171	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.015	0.135	0.000	0.000	0.000	0.000	0.041	0.007	0.143
Steele City	SD	Tripp*	590.189	590.334	0.144	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.004	0.000	0.000	0.144	0.001	0.001	0.001	0.000	0.136
Steele City	SD	Tripp*	590.334	590.495	0.161	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.000	0.000	0.002	0.000	0.002	0.147	0.002	0.000	0.008
Steele City	SD	Tripp*	590.495	590.561	0.066	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.065	0.000	0.000	0.001	0.007	0.005	0.000	0.058
Steele City	SD	Tripp*	590.561	590.756	0.195	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.006	0.000	0.000	0.195	0.002	0.002	0.002	0.000	0.184
Steele City	SD	Tripp*	590.756	590.867	0.110	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.108	0.000	0.000	0.002	0.012	0.009	0.000	0.097
Steele City	SD	Tripp*	590.867	590.922	0.055	SD123	Wann fine sandy loam	0.003	0.000	0.001	0.055	0.003	0.047	0.000	0.000	0.003
Steele City	SD	Tripp*	590.922	591.106	0.185	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.000	0.000	0.002	0.000	0.002	0.168	0.002	0.000	0.009
Steele City	SD	Tripp*	591.106	591.180	0.074	SD123	Boyd clay, 5 to 9 percent slopes	0.000	0.069	0.004	0.000	0.002	0.072	0.000	0.000	0.002
Steele City	SD	Tripp*	591.180	591.222	0.042	SD123	Wann fine sandy loam	0.002	0.000	0.000	0.042	0.002	0.036	0.000	0.000	0.002
Steele City	SD	Tripp*	591.222	591.487	0.264	SD123	Boyd clay, 5 to 9 percent slopes	0.000	0.249	0.013	0.000	0.008	0.257	0.000	0.000	0.008
Steele City	SD	Tripp*	591.487	591.541	0.054	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.053	0.000	0.000	0.001	0.006	0.004	0.000	0.047
Steele City	SD	Tripp*	591.541	591.728	0.188	SD123	Manter fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.188	0.004	0.002	0.009	0.000	0.178
Steele City	SD	Tripp*	591.728	591.847	0.119	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.117	0.000	0.000	0.002	0.013	0.010	0.000	0.105
Steele City	SD	Tripp*	591.847	592.307	0.459	SD123	Boyd-Okaton association, 9 to 25 percent slopes	0.000	0.423	0.005	0.000	0.005	0.427	0.000	0.000	0.032
Steele City	SD	Tripp*	592.307	592.712	0.406	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.037	0.321	0.000	0.000	0.000	0.000	0.097	0.016	0.341
Steele City	SD	Tripp*	592.712	592.731	0.019	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.018	0.000	0.000	0.000	0.002	0.001	0.000	0.016
Steele City	SD	Tripp*	592.731	592.799	0.068	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.006	0.054	0.000	0.000	0.000	0.000	0.016	0.003	0.057
Steele City	SD	Tripp*	592.799	592.839	0.040	SD123	Longpine-Rock outcrop complex, 15 to 40 percent slopes	0.002	0.035	0.000	0.000	0.000	0.000	0.032	0.012	0.025
Steele City	SD	Tripp*	592.839	592.921	0.081	SD123	Boyd-Okaton association, 9 to 25 percent slopes	0.000	0.075	0.001	0.000	0.001	0.076	0.000	0.000	0.006

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	SD	Tripp*	592.921	593.009	0.088	SD123	Longpine-Rock outcrop complex, 15 to 40 percent slopes	0.004	0.077	0.000	0.000	0.000	0.000	0.070	0.026	0.055
Steele City	SD	Tripp*	593.009	593.113	0.104	SD123	Anselmo fine sandy loam, 6 to 9 percent slopes	0.003	0.094	0.000	0.104	0.001	0.000	0.000	0.000	0.102
Steele City	SD	Tripp*	593.113	593.227	0.114	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.112	0.000	0.000	0.002	0.013	0.009	0.000	0.101
Steele City	SD	Tripp*	593.227	593.329	0.101	SD123	Anselmo fine sandy loam, 6 to 9 percent slopes	0.003	0.091	0.000	0.101	0.001	0.000	0.000	0.000	0.099
Steele City	SD	Tripp*	593.329	593.451	0.123	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.120	0.000	0.000	0.002	0.013	0.010	0.000	0.108
Steele City	SD	Tripp*	593.451	593.490	0.039	SD123	Anselmo fine sandy loam, 6 to 9 percent slopes	0.001	0.035	0.000	0.039	0.000	0.000	0.000	0.000	0.038
Steele City	SD	Tripp*	593.490	593.646	0.156	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.153	0.000	0.000	0.003	0.017	0.012	0.000	0.137
Steele City	SD	Tripp*	593.646	594.197	0.551	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.050	0.435	0.000	0.000	0.000	0.000	0.132	0.022	0.462
Steele City	SD	Tripp*	594.197	594.433	0.236	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.231	0.000	0.000	0.005	0.026	0.019	0.000	0.208
Steele City	SD	Tripp*	594.433	594.533	0.101	SD123	Ree loam, 3 to 6 percent slopes	0.000	0.003	0.003	0.101	0.003	0.101	0.000	0.000	0.000
Steele City	SD	Tripp*	594.533	594.649	0.116	SD123	Manter fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.116	0.002	0.001	0.006	0.000	0.110
Steele City	SD	Tripp*	594.649	594.655	0.005	SD123	Ree loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.005	0.000	0.005	0.000	0.000	0.000
Steele City	SD	Tripp*	594.655	594.679	0.024	SD123	Manter fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.024	0.000	0.000	0.001	0.000	0.023
Steele City	SD	Tripp*	594.679	594.715	0.037	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.036	0.000	0.000	0.001	0.004	0.003	0.000	0.032
Steele City	SD	Tripp*	594.715	595.143	0.428	SD123	Boyd-Okaton association, 9 to 25 percent slopes	0.000	0.393	0.004	0.000	0.004	0.398	0.000	0.000	0.030
Steele City	SD	Tripp*	595.143	595.286	0.143	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.140	0.000	0.000	0.003	0.016	0.011	0.000	0.126
Steele City	SD	Tripp*	595.286	595.511	0.225	SD123	Boyd-Okaton association, 9 to 25 percent slopes	0.000	0.207	0.002	0.000	0.002	0.209	0.000	0.000	0.016
Steele City	SD	Tripp*	595.511	595.588	0.078	SD123	Promise clay, 3 to 6 percent slopes	0.000	0.000	0.077	0.078	0.002	0.078	0.000	0.000	0.000
Steele City	SD	Tripp*	595.588	595.722	0.133	SD123	Bridgeport complex, channeled	0.009	0.000	0.021	0.000	0.001	0.108	0.000	0.000	0.015
Steele City	SD	Tripp*	595.722	595.860	0.138	SD123	Bridgeport complex	0.000	0.000	0.039	0.138	0.000	0.135	0.000	0.000	0.003
Steele City	SD	Tripp*	595.860	595.923	0.063	SD123	Promise clay, 3 to 6 percent slopes	0.000	0.000	0.062	0.063	0.001	0.063	0.000	0.000	0.000
Steele City	SD	Tripp*	595.923	596.079	0.156	SD123	Dix soils, 9 to 18 percent slopes	0.000	0.148	0.000	0.000	0.000	0.000	0.140	0.000	0.148
Steele City	SD	Tripp*	596.079	596.202	0.124	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.002	0.124	0.004	0.002	0.000	0.000	0.081
Steele City	SD	Tripp*	596.202	596.232	0.029	SD123	Dix soils, 9 to 18 percent slopes	0.000	0.028	0.000	0.000	0.000	0.000	0.027	0.000	0.028
Steele City	SD	Tripp*	596.232	596.490	0.258	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.000	0.000	0.005	0.258	0.008	0.005	0.000	0.000	0.168
Steele City	SD	Tripp*	596.490	596.610	0.120	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.118	0.000	0.000	0.002	0.013	0.010	0.000	0.106
Steele City	SD	Tripp*	596.610	596.645	0.035	SD123	Boyd-Okaton association, 9 to 25 percent slopes	0.000	0.032	0.000	0.000	0.000	0.033	0.000	0.000	0.002
Steele City	NE	Keya Paha*	596.645	596.745	0.100	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.099	0.000	0.000	0.001	0.099	0.000	0.000	0.000
Steele City	NE	Keya Paha*	596.745	596.780	0.035	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.000	0.034	0.000	0.000	0.001	0.035	0.000	0.000	0.000
Steele City	NE	Keya Paha*	596.780	596.851	0.071	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.070	0.000	0.000	0.001	0.070	0.000	0.000	0.000
Steele City	NE	Keya Paha*	596.851	596.892	0.040	NE103	Verdel silty clay loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.040	0.000	0.040	0.000	0.000	0.000
Steele City	NE	Keya Paha*	596.892	596.918	0.027	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.026	0.000	0.000	0.000	0.026	0.000	0.000	0.000
Steele City	NE	Keya Paha*	596.918	596.959	0.041	NE103	Verdel silty clay loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.041	0.000	0.041	0.000	0.000	0.000
Steele City	NE	Keya Paha*	596.959	596.961	0.002	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.002	0.000	0.000	0.000	0.002	0.000	0.000	0.000
Steele City	NE	Keya Paha*	596.961	597.032	0.071	NE103	Verdel silty clay loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.071	0.000	0.071	0.000	0.000	0.000
Steele City	NE	Keya Paha*	597.032	597.039	0.006	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.006	0.000	0.000	0.000	0.006	0.000	0.000	0.000
Steele City	NE	Keya Paha*	597.039	597.373	0.335	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.000	0.328	0.000	0.000	0.007	0.335	0.000	0.000	0.000
Steele City	NE	Keya Paha*	597.373	597.414	0.041	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.040	0.000	0.000	0.000	0.040	0.000	0.000	0.000
Steele City	NE	Keya Paha*	597.414	597.469	0.055	NE103	Manter fine sandy loam, 2 to 6 percent slopes	0.000	0.000	0.000	0.055	0.000	0.000	0.000	0.000	0.055
Steele City	NE	Keya Paha*	597.469	597.525	0.056	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.055	0.000	0.000	0.001	0.055	0.000	0.000	0.000
Steele City	NE	Keya Paha*	597.525	597.750	0.225	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.000	0.220	0.000	0.000	0.004	0.225	0.000	0.000	0.000
Steele City	NE	Keya Paha*	597.750	597.790	0.040	NE103	Cass loam, channeled, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040
Steele City	NE	Keya Paha*	597.790	597.834	0.043	NE103	Verdel silty clay loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.043	0.000	0.043	0.000	0.000	0.000
Steele City	NE	Keya Paha*	597.834	597.982	0.149	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.147	0.000	0.000	0.001	0.147	0.000	0.000	0.000
Steele City	NE	Keya Paha*	597.982	598.025	0.043	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.000	0.042	0.000	0.000	0.001	0.043	0.000	0.000	0.000
Steele City	NE	Keya Paha*	598.025	598.111	0.085	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.084	0.000	0.000	0.001	0.084	0.000	0.000	0.000
Steele City	NE	Keya Paha*	598.111	598.145	0.035	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.000	0.034	0.000	0.000	0.001	0.035	0.000	0.000	0.000
Steele City	NE	Keya Paha*	598.145	598.192	0.046	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.046	0.000	0.000	0.000	0.046	0.000	0.000	0.000
Steele City	NE	Keya Paha*	598.192	598.830	0.638	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.000	0.626	0.000	0.000	0.013	0.638	0.000	0.000	0.000
Steele City	NE	Keya Paha*	598.830	598.993	0.162	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.161	0.000	0.000	0.002	0.161	0.000	0.000	0.000
Steele City	NE	Keya Paha*	598.993	599.072	0.079	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.000	0.077	0.000	0.000	0.002	0.079	0.000	0.000	0.000
Steele City	NE	Keya Paha*	599.072	599.120	0.048	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.048	0.000	0.000	0.000	0.048	0.000	0.000	0.000
Steele City	NE	Keya Paha*	599.120	599.197	0.077	NE103	Verdel silty clay loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.077	0.000	0.077	0.000	0.000	0.000
Steele City	NE	Keya Paha*	599.197	599.360	0.163	NE103	Vetal loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.163	0.002	0.000	0.000	0.000	0.162
Steele City	NE	Keya Paha*	599.360	599.544	0.184	NE103	Cass loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.184	0.002	0.000	0.000	0.000	0.182
Steele City	NE	Keya Paha*	599.544	599.558	0.014	NE103	Inavale loamy fine sand, 0 to 3 percent slopes	0.013	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.013
Steele City	NE	Keya Paha*	599.558	599.638	0.080	NE103	Inavale fine sand, 3 to 11 percent slopes	0.080	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Keya Paha*	599.638	599.652	0.014	NE103	Cass loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.014	0.000	0.000	0.000	0.000	0.014
Steele City	NE	Keya Paha*	599.652	599.728	0.076	NE103	Inavale loamy fine sand, 0 to 3 percent slopes	0.072	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.072
Steele City	NE	Keya Paha*	599.728	599.788	0.061	NE103	Inavale fine sand, channeled, 0 to 3 percent slopes	0.057	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.057
Steele City	NE	Keya Paha*	599.788	599.818	0.030	NE103	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	599.818	599.911	0.093	NE103	Inavale loamy fine sand, 0 to 3 percent slopes	0.088	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.088
Steele City	NE	Keya Paha*	599.911	599.939	0.028	NE103	Cass loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.028	0.000	0.000	0.000	0.000	0.028
Steele City	NE	Keya Paha*	599.939	600.023	0.084	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.108	0.083	0.000	0.000	0.001	0.050	0.025	0.000	0.083
Steele City	NE	Keya Paha*	600.023	600.473	0.450	NE103	O'Neill fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.450	0.004	0.000	0.445	0.000	0.445
Steele City	NE	Keya Paha*	600.473	600.844	0.371	NE103	O'Neill fine sandy loam, 2 to 6 percent slopes	0.000	0.000	0.000	0.000	0.004	0.000	0.367	0.000	0.367
Steele City	NE	Keya Paha*	600.844	600.925	0.081	NE103	O'Neill fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.081	0.001	0.000	0.080	0.000	0.080
Steele City	NE	Keya Paha*	600.925	601.008	0.083	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.106	0.082	0.000	0.000	0.001	0.049	0.025	0.000	0.082
Steele City	NE	Keya Paha*	601.008	601.226	0.219	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.217	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.217
Steele City	NE	Keya Paha*	601.226	601.294	0.067	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.086	0.067	0.000	0.000	0.001	0.040	0.020	0.000	0.067
Steele City	NE	Keya Paha*	601.294	601.362	0.068	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.068	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.068
Steele City	NE	Keya Paha*	601.362	601.425	0.063	NE103	Vetal fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.063	0.001	0.000	0.000	0.000	0.062
Steele City	NE	Keya Paha*	601.425	601.616	0.191	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.189	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.189
Steele City	NE	Keya Paha*	601.616	601.678	0.063	NE103	Wewela fine sandy loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.063	0.000	0.063	0.000	0.000	0.000
Steele City	NE	Keya Paha*	601.678	601.802	0.124	NE103	Wewela fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.124	0.001	0.123	0.000	0.000	0.000
Steele City	NE	Keya Paha*	601.802	601.873	0.070	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.090	0.070	0.000	0.000	0.001	0.042	0.021	0.000	0.070
Steele City	NE	Keya Paha*	601.873	602.130	0.257	NE103	Anselmo fine sandy loam, 2 to 6 percent slopes	0.000	0.000	0.000	0.257	0.003	0.000	0.000	0.000	0.255
Steele City	NE	Keya Paha*	602.130	602.164	0.034	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.033	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.033
Steele City	NE	Keya Paha*	602.164	602.288	0.124	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.123	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.123
Steele City	NE	Keya Paha*	602.288	602.326	0.038	NE103	O'Neill fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.038	0.000	0.000	0.037	0.000	0.037
Steele City	NE	Keya Paha*	602.326	602.459	0.134	NE103	Wewela fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.134	0.001	0.132	0.000	0.000	0.000
Steele City	NE	Keya Paha*	602.459	602.496	0.037	NE103	Wewela fine sandy loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.037	0.000	0.037	0.000	0.000	0.000
Steele City	NE	Keya Paha*	602.496	602.541	0.045	NE103	Wewela fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.045	0.000	0.044	0.000	0.000	0.000
Steele City	NE	Keya Paha*	602.541	602.623	0.082	NE103	Valentine loamy fine sand, gently rolling	0.081	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.081
Steele City	NE	Keya Paha*	602.623	602.699	0.075	NE103	Simeon-Valentine loamy sands, 0 to 3 percent slopes	0.075	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.075
Steele City	NE	Keya Paha*	602.699	603.066	0.368	NE103	Valentine loamy fine sand, gently rolling	0.364	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.364
Steele City	NE	Keya Paha*	603.066	603.094	0.027	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.027	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.027
Steele City	NE	Keya Paha*	603.094	603.194	0.100	NE103	Valentine loamy fine sand, gently rolling	0.099	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.099
Steele City	NE	Keya Paha*	603.194	603.278	0.085	NE103	Els fine sand, 0 to 2 percent slopes	0.080	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	603.278	603.326	0.048	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.047	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.047
Steele City	NE	Keya Paha*	603.326	603.484	0.158	NE103	Valentine fine sand, rolling	0.158	0.158	0.000	0.000	0.000	0.000	0.000	0.000	0.158
Steele City	NE	Keya Paha*	603.484	603.532	0.048	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.047	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.047
Steele City	NE	Keya Paha*	603.532	603.938	0.406	NE103	Valentine fine sand, rolling	0.406	0.406	0.000	0.000	0.000	0.000	0.000	0.000	0.406
Steele City	NE	Keya Paha*	603.938	603.985	0.047	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.060	0.047	0.000	0.000	0.000	0.028	0.014	0.000	0.047
Steele City	NE	Keya Paha*	603.985	604.035	0.051	NE103	Inavale fine sand, channeled, 0 to 3 percent slopes	0.048	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.048
Steele City	NE	Keya Paha*	604.035	604.067	0.032	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.041	0.031	0.000	0.000	0.000	0.019	0.009	0.000	0.031
Steele City	NE	Keya Paha*	604.067	604.108	0.040	NE103	Valentine loamy fine sand, gently rolling	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040
Steele City	NE	Keya Paha*	604.108	604.210	0.102	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.100	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.100
Steele City	NE	Keya Paha*	604.210	604.250	0.040	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040
Steele City	NE	Keya Paha*	604.250	604.316	0.067	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.065	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.065
Steele City	NE	Keya Paha*	604.316	604.360	0.044	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.056	0.044	0.000	0.000	0.000	0.026	0.013	0.000	0.044
Steele City	NE	Keya Paha*	604.360	604.671	0.311	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.308	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.308
Steele City	NE	Keya Paha*	604.671	604.741	0.070	NE103	Valentine fine sand, rolling	0.070	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.070
Steele City	NE	Keya Paha*	604.741	604.934	0.192	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.190	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.190
Steele City	NE	Keya Paha*	604.934	605.138	0.204	NE103	Valentine fine sand, rolling	0.204	0.204	0.000	0.000	0.000	0.000	0.000	0.000	0.204
Steele City	NE	Keya Paha*	605.138	605.208	0.070	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.069	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.069
Steele City	NE	Keya Paha*	605.208	606.087	0.879	NE103	Valentine fine sand, rolling	0.879	0.879	0.000	0.000	0.000	0.000	0.000	0.000	0.879
Steele City	NE	Keya Paha*	606.087	606.449	0.362	NE103	Valentine fine sand, hilly	0.362	0.362	0.000	0.000	0.000	0.000	0.000	0.000	0.362
Steele City	NE	Keya Paha*	606.449	606.725	0.276	NE103	Valentine fine sand, rolling	0.276	0.276	0.000	0.000	0.000	0.000	0.000	0.000	0.276
Steele City	NE	Keya Paha*	606.725	606.860	0.135	NE103	Valentine fine sand, hilly	0.135	0.135	0.000	0.000	0.000	0.000	0.000	0.000	0.135
Steele City	NE	Keya Paha*	606.860	607.081	0.221	NE103	Valentine fine sand, rolling	0.221	0.221	0.000	0.000	0.000	0.000	0.000	0.000	0.221
Steele City	NE	Keya Paha*	607.081	607.136	0.054	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.052	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	607.136	607.465	0.329	NE103	Valentine fine sand, rolling	0.329	0.329	0.000	0.000	0.000	0.000	0.000	0.000	0.329
Steele City	NE	Keya Paha*	607.465	607.633	0.168	NE103	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.168	0.000	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Keya Paha*	607.633	608.287	0.654	NE103	Valentine fine sand, rolling	0.654	0.654	0.000	0.000	0.000	0.000	0.000	0.000	0.654
Steele City	NE	Keya Paha*	608.287	608.303	0.017	NE103	Els fine sand, 0 to 2 percent slopes	0.016	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	608.303	608.341	0.038	NE103	Valentine fine sand, rolling	0.038	0.038	0.000	0.000	0.000	0.000	0.000	0.000	0.038
Steele City	NE	Keya Paha*	608.341	608.379	0.039	NE103	Els fine sand, 0 to 2 percent slopes	0.037	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	608.379	608.484	0.105	NE103	Valentine fine sand, rolling	0.105	0.105	0.000	0.000	0.000	0.000	0.000	0.000	0.105
Steele City	NE	Keya Paha*	608.484	608.568	0.084	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.080	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	608.568	608.627	0.059	NE103	Valentine fine sand, rolling	0.059	0.059	0.000	0.000	0.000	0.000	0.000	0.000	0.059
Steele City	NE	Keya Paha*	608.627	609.074	0.446	NE103	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.446	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	609.074	609.101	0.027	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.026	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	609.101	609.184	0.083	NE103	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.083	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	609.184	609.230	0.046	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.044	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	609.230	609.287	0.056	NE103	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.056	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	609.287	609.325	0.038	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.036	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	609.325	609.410	0.085	NE103	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.085	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	609.410	609.524	0.114	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.109	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	609.524	609.550	0.026	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.042	0.026	0.000	0.000	0.000	0.000	0.000	0.000	0.026
Steele City	NE	Keya Paha*	609.550	609.584	0.033	NE103	Valentine fine sand, rolling	0.033	0.033	0.000	0.000	0.000	0.000	0.000	0.000	0.033
Steele City	NE	Keya Paha*	609.584	609.622	0.038	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.061	0.038	0.000	0.000	0.000	0.000	0.000	0.000	0.038
Steele City	NE	Keya Paha*	609.622	609.835	0.213	NE103	Valentine fine sand, rolling	0.213	0.213	0.000	0.000	0.000	0.000	0.000	0.000	0.213
Steele City	NE	Keya Paha*	609.835	609.889	0.054	NE103	Dunday-Duda loamy fine sands, 0 to 3 percent slopes	0.053	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.053
Steele City	NE	Keya Paha*	609.889	610.118	0.230	NE103	Valentine fine sand, rolling	0.230	0.230	0.000	0.000	0.000	0.000	0.000	0.000	0.230
Steele City	NE	Keya Paha*	610.118	610.142	0.024	NE103	Els fine sand, 0 to 2 percent slopes	0.023	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	610.142	610.184	0.042	NE103	Valentine fine sand, rolling	0.042	0.042	0.000	0.000	0.000	0.000	0.000	0.000	0.042
Steele City	NE	Keya Paha*	610.184	610.236	0.052	NE103	Els fine sand, 0 to 2 percent slopes	0.049	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	610.236	610.265	0.029	NE103	Valentine fine sand, rolling	0.029	0.029	0.000	0.000	0.000	0.000	0.000	0.000	0.029
Steele City	NE	Keya Paha*	610.265	610.566	0.301	NE103	Els fine sand, 0 to 2 percent slopes	0.286	0.000	0.000	0.000	0.015	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	610.566	610.726	0.160	NE103	Valentine fine sand, rolling	0.160	0.160	0.000	0.000	0.000	0.000	0.000	0.000	0.160
Steele City	NE	Keya Paha*	610.726	610.987	0.261	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.412	0.258	0.000	0.000	0.003	0.000	0.000	0.000	0.258
Steele City	NE	Keya Paha*	610.987	611.117	0.130	NE103	Valentine fine sand, rolling	0.130	0.130	0.000	0.000	0.000	0.000	0.000	0.000	0.130
Steele City	NE	Keya Paha*	611.117	611.136	0.019	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.030	0.019	0.000	0.000	0.000	0.000	0.000	0.000	0.019
Steele City	NE	Keya Paha*	611.136	611.174	0.038	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.037	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.037
Steele City	NE	Keya Paha*	611.174	611.371	0.198	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.312	0.196	0.000	0.000	0.002	0.000	0.000	0.000	0.196
Steele City	NE	Keya Paha*	611.371	611.413	0.042	NE103	Valentine fine sand, rolling	0.042	0.042	0.000	0.000	0.000	0.000	0.000	0.000	0.042
Steele City	NE	Keya Paha*	611.413	611.449	0.035	NE103	Els fine sand, 0 to 2 percent slopes	0.034	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	611.449	611.522	0.073	NE103	Valentine fine sand, rolling	0.073	0.073	0.000	0.000	0.000	0.000	0.000	0.000	0.073
Steele City	NE	Keya Paha*	611.522	611.596	0.074	NE103	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.074	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	611.596	611.722	0.126	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.120	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	611.722	611.823	0.102	NE103	Valentine fine sand, rolling	0.102	0.102	0.000	0.000	0.000	0.000	0.000	0.000	0.102
Steele City	NE	Keya Paha*	611.823	612.193	0.369	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.362	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.362
Steele City	NE	Keya Paha*	612.193	612.220	0.028	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.044	0.027	0.000	0.000	0.000	0.000	0.000	0.000	0.027
Steele City	NE	Keya Paha*	612.220	612.435	0.214	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.210	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.210
Steele City	NE	Keya Paha*	612.435	612.583	0.149	NE103	Valentine fine sand, rolling	0.149	0.149	0.000	0.000	0.000	0.000	0.000	0.000	0.149
Steele City	NE	Keya Paha*	612.583	612.670	0.087	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.085	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.085
Steele City	NE	Keya Paha*	612.670	613.052	0.382	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.603	0.378	0.000	0.000	0.004	0.000	0.000	0.000	0.378
Steele City	NE	Keya Paha*	613.052	613.074	0.022	NE103	Valentine fine sand, rolling	0.022	0.022	0.000	0.000	0.000	0.000	0.000	0.000	0.022
Steele City	NE	Keya Paha*	613.074	613.136	0.062	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.061	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.061
Steele City	NE	Keya Paha*	613.136	613.179	0.043	NE103	Valentine fine sand, rolling	0.043	0.043	0.000	0.000	0.000	0.000	0.000	0.000	0.043
Steele City	NE	Keya Paha*	613.179	613.282	0.102	NE103	Valentine loamy fine sand, gently rolling	0.101	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.101
Steele City	NE	Keya Paha*	613.282	613.483	0.201	NE103	Valentine fine sand, rolling	0.201	0.201	0.000	0.000	0.000	0.000	0.000	0.000	0.201
Steele City	NE	Keya Paha*	613.483	613.774	0.291	NE103	Els fine sand, 0 to 2 percent slopes	0.277	0.000	0.000	0.000	0.015	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	613.774	614.004	0.230	NE103	Valentine fine sand, rolling	0.230	0.230	0.000	0.000	0.000	0.000	0.000	0.000	0.230
Steele City	NE	Keya Paha*	614.004	614.009	0.005	NE103	Els fine sand, 0 to 2 percent slopes	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	614.009	614.044	0.035	NE103	Valentine fine sand, rolling	0.035	0.035	0.000	0.000	0.000	0.000	0.000	0.000	0.035
Steele City	NE	Keya Paha*	614.044	614.164	0.120	NE103	Els fine sand, 0 to 2 percent slopes	0.114	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	614.164	614.239	0.074	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.071	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	614.239	614.371	0.132	NE103	Valentine-Wewela loamy fine sands, 3 to 6 percent slopes	0.131	0.000	0.000	0.000	0.001	0.078	0.040	0.000	0.131
Steele City	NE	Keya Paha*	614.371	614.493	0.123	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.000	0.120	0.000	0.000	0.002	0.123	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Keya Paha*	614.493	614.588	0.095	NE103	Ronson-Anselmo fine sandy loams, 6 to 9 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	614.588	614.645	0.057	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.073	0.056	0.000	0.000	0.001	0.034	0.017	0.000	0.056
Steele City	NE	Keya Paha*	614.645	614.682	0.036	NE103	Ronson-Anselmo fine sandy loams, 6 to 9 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	614.682	614.912	0.230	NE103	Vetal loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.230	0.002	0.000	0.000	0.000	0.227
Steele City	NE	Keya Paha*	614.912	614.921	0.009	NE103	Ronson-Anselmo fine sandy loams, 6 to 9 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	614.921	615.000	0.079	NE103	Boel fine sandy loam, 0 to 2 percent slopes	0.006	0.000	0.000	0.000	0.006	0.000	0.012	0.000	0.006
Steele City	NE	Keya Paha*	615.000	615.175	0.176	NE103	Barney fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.176	0.000	0.000	0.000	0.000
Steele City	NE	Keya Paha*	615.175	615.280	0.105	NE103	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Rock*	615.280	615.388	0.107	NE149	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Rock*	615.388	615.492	0.104	NE149	Labu-Sansarc silty clays, 11 to 40 percent slopes	0.000	0.103	0.000	0.000	0.001	0.103	0.000	0.000	0.000
Steele City	NE	Rock*	615.492	615.879	0.387	NE149	O'Neill sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.387	0.004	0.000	0.383	0.000	0.383
Steele City	NE	Rock*	615.879	616.159	0.280	NE149	Valentine fine sand, 0 to 3 percent slopes	0.275	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.275
Steele City	NE	Rock*	616.159	616.685	0.526	NE149	Simeon-Valentine sands, 9 to 60 percent slopes, eroded	0.521	0.521	0.000	0.000	0.005	0.000	0.000	0.000	0.521
Steele City	NE	Rock*	616.685	617.616	0.932	NE149	Simeon loamy sand, 0 to 3 percent slopes	0.922	0.000	0.000	0.000	0.009	0.000	0.000	0.000	0.922
Steele City	NE	Rock*	617.616	617.686	0.070	NE149	Valentine fine sand, 0 to 3 percent slopes	0.068	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.068
Steele City	NE	Rock*	617.686	617.839	0.153	NE149	Wewela fine sandy loam, 2 to 6 percent slopes	0.000	0.000	0.000	0.153	0.000	0.153	0.000	0.000	0.000
Steele City	NE	Rock*	617.839	618.046	0.207	NE149	Valentine fine sand, 0 to 3 percent slopes	0.203	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.203
Steele City	NE	Rock*	618.046	618.509	0.462	NE149	Valentine fine sand, 3 to 9 percent slopes	0.453	0.000	0.000	0.000	0.009	0.000	0.000	0.000	0.453
Steele City	NE	Rock*	618.509	619.100	0.591	NE149	Valentine fine sand, rolling	0.580	0.580	0.000	0.000	0.012	0.000	0.000	0.000	0.580
Steele City	NE	Rock*	619.100	619.296	0.196	NE149	Els-Ipage complex, 0 to 3 percent slopes	0.177	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.059
Steele City	NE	Rock*	619.296	619.689	0.393	NE149	Valentine fine sand, rolling	0.385	0.385	0.000	0.000	0.008	0.000	0.000	0.000	0.385
Steele City	NE	Rock*	619.689	619.918	0.229	NE149	Valentine fine sand, 3 to 9 percent slopes	0.225	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.225
Steele City	NE	Rock*	619.918	620.055	0.137	NE149	Simeon-Meadin complex, 0 to 9 percent slopes	0.075	0.000	0.000	0.000	0.001	0.000	0.060	0.000	0.136
Steele City	NE	Rock*	620.055	620.204	0.148	NE149	Meadin sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.148	0.000	0.148
Steele City	NE	Rock*	620.204	620.369	0.165	NE149	Simeon-Meadin complex, 0 to 9 percent slopes	0.091	0.000	0.000	0.000	0.002	0.000	0.073	0.000	0.164
Steele City	NE	Rock*	620.369	620.554	0.185	NE149	Valentine fine sand, rolling	0.181	0.181	0.000	0.000	0.004	0.000	0.000	0.000	0.181
Steele City	NE	Rock*	620.554	620.709	0.155	NE149	Simeon-Meadin complex, 0 to 9 percent slopes	0.085	0.000	0.000	0.000	0.002	0.000	0.068	0.000	0.153
Steele City	NE	Rock*	620.709	620.924	0.216	NE149	Meadin sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.216	0.000	0.216
Steele City	NE	Rock*	620.924	621.270	0.346	NE149	Simeon-Meadin complex, 0 to 9 percent slopes	0.190	0.000	0.000	0.000	0.003	0.000	0.152	0.000	0.343
Steele City	NE	Rock*	621.270	621.455	0.185	NE149	O'Neill sandy loam, 2 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.185	0.000	0.185
Steele City	NE	Rock*	621.455	621.681	0.226	NE149	Meadin sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.226	0.000	0.226
Steele City	NE	Rock*	621.681	621.880	0.199	NE149	Simeon-Meadin complex, 0 to 9 percent slopes	0.109	0.000	0.000	0.000	0.002	0.000	0.087	0.000	0.197
Steele City	NE	Rock*	621.880	622.650	0.771	NE149	Elsmere loamy fine sand, 0 to 2 percent slopes	0.694	0.000	0.000	0.000	0.077	0.000	0.000	0.000	0.000
Steele City	NE	Rock*	622.650	623.619	0.969	NE149	Pivot loamy sand, 0 to 3 percent slopes	0.959	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.959
Steele City	NE	Rock*	623.619	623.683	0.064	NE149	Ipage loamy sand, 0 to 3 percent slopes	0.062	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.062
Steele City	NE	Rock*	623.683	624.111	0.428	NE149	Elsmere loamy fine sand, 0 to 2 percent slopes	0.385	0.000	0.000	0.000	0.043	0.000	0.000	0.000	0.000
Steele City	NE	Rock*	624.111	624.264	0.153	NE149	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.153	0.000	0.000	0.000	0.000
Steele City	NE	Rock*	624.264	624.346	0.082	NE149	Elsmere loamy fine sand, 0 to 2 percent slopes	0.074	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.000
Steele City	NE	Rock*	624.346	624.407	0.061	NE149	Marlake loamy fine sand, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.061	0.000	0.000	0.000	0.000
Steele City	NE	Rock*	624.407	624.466	0.059	NE149	Elsmere loamy fine sand, 0 to 2 percent slopes	0.053	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.000
Steele City	NE	Rock*	624.466	624.756	0.289	NE149	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.289	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	624.756	624.994	0.238	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.238	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	624.994	625.235	0.241	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.236	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	625.235	625.327	0.092	NE089	Loup fine sandy loam, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.092	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	625.327	625.483	0.156	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.153	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	625.483	625.532	0.049	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.049	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	625.532	625.905	0.373	NE089	Valentine fine sand, 3 to 9 percent slopes	0.355	0.000	0.000	0.000	0.019	0.000	0.000	0.000	0.355
Steele City	NE	Holt*	625.905	626.178	0.272	NE089	Valentine fine sand, 0 to 3 percent slopes	0.259	0.000	0.000	0.000	0.014	0.000	0.000	0.000	0.259
Steele City	NE	Holt*	626.178	626.478	0.301	NE089	Valentine fine sand, 3 to 9 percent slopes	0.286	0.000	0.000	0.000	0.015	0.000	0.000	0.000	0.286
Steele City	NE	Holt*	626.478	626.594	0.115	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.114	0.000	0.000	0.115	0.001	0.114	0.000	0.000	0.114
Steele City	NE	Holt*	626.594	626.639	0.045	NE089	Valentine fine sand, 3 to 9 percent slopes	0.043	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.043
Steele City	NE	Holt*	626.639	626.691	0.052	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.052	0.000	0.000	0.052	0.001	0.052	0.000	0.000	0.052
Steele City	NE	Holt*	626.691	626.694	0.003	NE089	Valentine fine sand, 3 to 9 percent slopes	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003
Steele City	NE	Holt*	626.694	626.758	0.064	NE089	Valentine fine sand, 0 to 3 percent slopes	0.061	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.061
Steele City	NE	Holt*	626.758	626.789	0.031	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.031	0.000	0.000	0.031	0.000	0.031	0.000	0.000	0.031
Steele City	NE	Holt*	626.789	626.948	0.159	NE089	Valentine fine sand, 0 to 3 percent slopes	0.151	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.151
Steele City	NE	Holt*	626.948	627.046	0.098	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.097	0.000	0.000	0.098	0.001	0.097	0.000	0.000	0.097

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Holt*	627.046	627.126	0.080	NE089	Valentine fine sand, 0 to 3 percent slopes	0.076	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.076
Steele City	NE	Holt*	627.126	627.567	0.441	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.437	0.000	0.000	0.441	0.004	0.437	0.000	0.000	0.437
Steele City	NE	Holt*	627.567	628.306	0.739	NE089	Valentine fine sand, 0 to 3 percent slopes	0.702	0.000	0.000	0.000	0.037	0.000	0.000	0.000	0.702
Steele City	NE	Holt*	628.306	628.418	0.112	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.110	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	628.418	628.515	0.097	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.095	0.000	0.037	0.000	0.002	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	628.515	628.538	0.023	NE089	Barney-Boel-Calamus complex, channeled	0.008	0.000	0.000	0.000	0.015	0.001	0.018	0.000	0.004
Steele City	NE	Holt*	628.538	628.631	0.094	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.092	0.000	0.036	0.000	0.002	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	628.631	628.667	0.036	NE089	Barney-Boel-Calamus complex, channeled	0.013	0.000	0.000	0.000	0.023	0.001	0.029	0.000	0.007
Steele City	NE	Holt*	628.667	628.855	0.187	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.183	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.080
Steele City	NE	Holt*	628.855	629.054	0.199	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.195	0.000	0.076	0.000	0.004	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	629.054	629.118	0.065	NE089	Ipage loamy sand, 0 to 3 percent slopes	0.063	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.063
Steele City	NE	Holt*	629.118	629.210	0.092	NE089	Gannett loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.092	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	629.210	629.294	0.084	NE089	Marlake fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.084	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	629.294	629.376	0.082	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.000	0.000	0.033	0.000	0.002	0.033	0.000	0.000	0.000
Steele City	NE	Holt*	629.376	629.595	0.219	NE089	Gannett loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.219	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	629.595	629.652	0.057	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.000	0.000	0.023	0.000	0.001	0.023	0.000	0.000	0.000
Steele City	NE	Holt*	629.652	629.789	0.137	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.135	0.000	0.052	0.000	0.003	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	629.789	629.853	0.064	NE089	Ipage loamy sand, 0 to 3 percent slopes	0.063	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.063
Steele City	NE	Holt*	629.853	629.944	0.090	NE089	Barney-Boel-Calamus complex, channeled	0.033	0.000	0.000	0.000	0.058	0.003	0.073	0.000	0.016
Steele City	NE	Holt*	629.944	630.007	0.063	NE089	Ipage loamy sand, 0 to 3 percent slopes	0.062	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.062
Steele City	NE	Holt*	630.007	630.062	0.055	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.054	0.000	0.021	0.000	0.001	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	630.062	630.094	0.032	NE089	Ipage loamy sand, 0 to 3 percent slopes	0.031	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.031
Steele City	NE	Holt*	630.094	630.171	0.077	NE089	Ord loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.077	0.004	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	630.171	630.207	0.037	NE089	Barney-Boel-Calamus complex, channeled	0.013	0.000	0.000	0.000	0.024	0.001	0.030	0.000	0.007
Steele City	NE	Holt*	630.207	630.265	0.058	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.058	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	630.265	630.344	0.079	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.000	0.000	0.031	0.000	0.002	0.031	0.000	0.000	0.000
Steele City	NE	Holt*	630.344	630.381	0.037	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.037	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	630.381	630.430	0.049	NE089	Barney-Boel-Calamus complex, channeled	0.018	0.000	0.000	0.000	0.032	0.001	0.040	0.000	0.009
Steele City	NE	Holt*	630.430	630.454	0.024	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.024	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	630.454	630.531	0.077	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.000	0.000	0.031	0.000	0.002	0.031	0.000	0.000	0.000
Steele City	NE	Holt*	630.531	630.557	0.026	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.026	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	630.557	630.662	0.104	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.000	0.000	0.042	0.000	0.002	0.042	0.000	0.000	0.000
Steele City	NE	Holt*	630.662	630.739	0.077	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.077	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	630.739	630.776	0.037	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.000	0.000	0.015	0.000	0.001	0.015	0.000	0.000	0.000
Steele City	NE	Holt*	630.776	630.986	0.209	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.209	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	630.986	631.309	0.323	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.000	0.000	0.129	0.000	0.006	0.129	0.000	0.000	0.000
Steele City	NE	Holt*	631.309	631.330	0.021	NE089	Gannett loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.021	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	631.330	631.387	0.057	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.000	0.000	0.023	0.000	0.001	0.023	0.000	0.000	0.000
Steele City	NE	Holt*	631.387	631.449	0.061	NE089	Gannett loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.061	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	631.449	631.555	0.106	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.000	0.000	0.042	0.000	0.002	0.042	0.000	0.000	0.000
Steele City	NE	Holt*	631.555	631.656	0.102	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.099	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.044
Steele City	NE	Holt*	631.656	631.690	0.034	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.000	0.000	0.014	0.000	0.001	0.014	0.000	0.000	0.000
Steele City	NE	Holt*	631.690	631.722	0.031	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.031	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.014
Steele City	NE	Holt*	631.722	631.824	0.102	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.000	0.000	0.041	0.000	0.002	0.041	0.000	0.000	0.000
Steele City	NE	Holt*	631.824	631.929	0.105	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.103	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.045
Steele City	NE	Holt*	631.929	632.042	0.113	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.000	0.000	0.045	0.000	0.002	0.045	0.000	0.000	0.000
Steele City	NE	Holt*	632.042	632.070	0.027	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.027	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.012
Steele City	NE	Holt*	632.070	632.137	0.067	NE089	Valentine-Dunday loamy fine sands, 3 to 9 percent slopes	0.067	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.067
Steele City	NE	Holt*	632.137	632.162	0.025	NE089	Libory loamy fine sand, 0 to 3 percent slopes	0.025	0.000	0.000	0.025	0.000	0.025	0.000	0.000	0.025
Steele City	NE	Holt*	632.162	632.207	0.045	NE089	Gannett loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.045	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	632.207	632.218	0.010	NE089	Libory loamy fine sand, 0 to 3 percent slopes	0.010	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.010
Steele City	NE	Holt*	632.218	632.267	0.049	NE089	Gannett loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.049	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	632.267	632.297	0.030	NE089	Gannett loam, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.030	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	632.297	633.270	0.973	NE089	Gannett loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.973	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	633.270	633.545	0.276	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.000	0.000	0.110	0.000	0.006	0.110	0.000	0.000	0.000
Steele City	NE	Holt*	633.545	634.051	0.506	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.496	0.000	0.192	0.000	0.010	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	634.051	634.097	0.046	NE089	Gannett loam, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Holt*	634.097	634.148	0.052	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.051	0.000	0.020	0.000	0.001	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	634.148	634.199	0.050	NE089	Gannett loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	634.199	634.256	0.058	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.057	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	634.256	634.272	0.016	NE089	Gannett loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.016	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	634.272	634.398	0.126	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.124	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	634.398	634.535	0.137	NE089	Gannett loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.137	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	634.535	634.673	0.139	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.136	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	634.673	634.909	0.235	NE089	Gannett loam, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.235	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	634.909	634.950	0.042	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.041	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.018
Steele City	NE	Holt*	634.950	635.050	0.100	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	635.050	635.130	0.080	NE089	Gannett loam, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.080	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	635.130	635.479	0.349	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.342	0.000	0.133	0.000	0.007	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	635.479	635.561	0.082	NE089	Loup fine sandy loam, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.082	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	635.561	636.029	0.468	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.458	0.000	0.178	0.000	0.009	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	636.029	636.077	0.048	NE089	Barney-Boel-Calamus complex, channeled	0.017	0.000	0.000	0.000	0.031	0.001	0.039	0.000	0.009
Steele City	NE	Holt*	636.077	636.114	0.037	NE089	Tryon loamy fine sand, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.037	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	636.114	636.221	0.106	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.101	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.043
Steele City	NE	Holt*	636.221	636.233	0.012	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.012	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	636.233	636.258	0.025	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.024	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.010
Steele City	NE	Holt*	636.258	636.496	0.238	NE089	Ipage loamy sand, 0 to 3 percent slopes	0.233	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.233
Steele City	NE	Holt*	636.496	636.652	0.156	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.148	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.062
Steele City	NE	Holt*	636.652	636.768	0.116	NE089	Valentine fine sand, 3 to 9 percent slopes	0.110	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.110
Steele City	NE	Holt*	636.768	636.833	0.065	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.061	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.026
Steele City	NE	Holt*	636.833	636.887	0.054	NE089	Libory loamy fine sand, 0 to 3 percent slopes	0.054	0.000	0.000	0.054	0.001	0.054	0.000	0.000	0.054
Steele City	NE	Holt*	636.887	637.029	0.142	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.135	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.057
Steele City	NE	Holt*	637.029	637.266	0.236	NE089	Els loamy sand, 0 to 2 percent slopes	0.229	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	637.266	638.312	1.046	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.994	0.000	0.000	0.000	0.052	0.000	0.000	0.000	0.418
Steele City	NE	Holt*	638.312	638.410	0.098	NE089	Loup fine sandy loam, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.098	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	638.410	638.454	0.044	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.043	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.019
Steele City	NE	Holt*	638.454	639.280	0.826	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.784	0.000	0.000	0.000	0.041	0.000	0.000	0.000	0.330
Steele City	NE	Holt*	639.280	639.346	0.066	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	639.346	639.460	0.115	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.115	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	639.460	639.584	0.123	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	639.584	639.664	0.080	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.080	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	639.664	639.941	0.278	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.014	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	639.941	640.035	0.093	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.093	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	640.035	640.142	0.107	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	640.142	640.259	0.117	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.117	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	640.259	640.292	0.033	NE089	Loup fine sandy loam, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.033	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	640.292	640.722	0.429	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.021	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	640.722	640.787	0.066	NE089	Ipage loamy sand, 0 to 3 percent slopes	0.065	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.065
Steele City	NE	Holt*	640.787	640.842	0.055	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	640.842	640.867	0.025	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.025	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	640.867	640.910	0.043	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	640.910	641.158	0.248	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.248	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	641.158	641.229	0.070	NE089	Gannett loam, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.070	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	641.229	641.599	0.370	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.370	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	641.599	641.680	0.081	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	641.680	641.729	0.050	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	641.729	641.780	0.050	NE089	Gannett loam, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	641.780	641.882	0.102	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.102	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	641.882	641.926	0.045	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	641.926	641.974	0.047	NE089	Gannett loam, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.047	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	641.974	642.015	0.041	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	642.015	642.141	0.126	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.126	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	642.141	642.194	0.053	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.051	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	642.194	642.290	0.097	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.097	0.000	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Holt*	642.290	642.343	0.053	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.052	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.023
Steele City	NE	Holt*	642.343	642.498	0.155	NE089	Loup fine sandy loam, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.155	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	642.498	642.552	0.054	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.053	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.023
Steele City	NE	Holt*	642.552	642.600	0.048	NE089	Loup fine sandy loam, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	642.600	643.122	0.522	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.512	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.224
Steele City	NE	Holt*	643.122	643.158	0.036	NE089	Loup fine sandy loam, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	643.158	643.458	0.300	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.285	0.000	0.000	0.000	0.015	0.000	0.000	0.000	0.120
Steele City	NE	Holt*	643.458	643.483	0.024	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.024	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	643.483	643.896	0.413	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.393	0.000	0.000	0.000	0.021	0.000	0.000	0.000	0.165
Steele City	NE	Holt*	643.896	643.961	0.065	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.065	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	643.961	644.145	0.184	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.166	0.000	0.000	0.000	0.018	0.000	0.000	0.000	0.110
Steele City	NE	Holt*	644.145	644.184	0.039	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.037	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.016
Steele City	NE	Holt*	644.184	644.273	0.089	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.089	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	644.273	644.310	0.037	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.035	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.015
Steele City	NE	Holt*	644.310	644.344	0.034	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.034	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	644.344	644.412	0.069	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.065	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.027
Steele City	NE	Holt*	644.412	644.436	0.024	NE089	Els loamy sand, 0 to 2 percent slopes	0.023	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	644.436	644.518	0.082	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	644.518	644.657	0.139	NE089	Loup fine sandy loam, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.139	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	644.657	644.846	0.189	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.009	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	644.846	645.064	0.218	NE089	Els loamy sand, 0 to 2 percent slopes	0.211	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	645.064	645.134	0.070	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.063	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.042
Steele City	NE	Holt*	645.134	645.396	0.263	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.263	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	645.396	645.435	0.038	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.034	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.023
Steele City	NE	Holt*	645.435	645.481	0.046	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	645.481	645.569	0.088	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.079	0.000	0.000	0.000	0.009	0.000	0.000	0.000	0.053
Steele City	NE	Holt*	645.569	645.590	0.021	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.021	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	645.590	645.829	0.240	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.216	0.000	0.000	0.000	0.024	0.000	0.000	0.000	0.144
Steele City	NE	Holt*	645.829	645.845	0.016	NE089	Tryon loamy fine sand, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.016	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	645.845	646.224	0.379	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.341	0.000	0.000	0.000	0.038	0.000	0.000	0.000	0.227
Steele City	NE	Holt*	646.224	646.317	0.094	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.094	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	646.317	646.338	0.021	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.019	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.013
Steele City	NE	Holt*	646.338	646.426	0.088	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.084	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.035
Steele City	NE	Holt*	646.426	646.580	0.154	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.151	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	646.580	646.747	0.167	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.167	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	646.747	646.765	0.017	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.017	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	646.765	646.821	0.057	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.057	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	646.821	646.986	0.164	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.161	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.071
Steele City	NE	Holt*	646.986	647.274	0.288	NE089	Barney-Boel-Calamus complex, channeled	0.104	0.000	0.000	0.000	0.184	0.009	0.233	0.000	0.052
Steele City	NE	Holt*	647.274	647.651	0.378	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.370	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	647.651	647.744	0.093	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.093	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	647.744	647.824	0.079	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.078	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	647.824	647.901	0.077	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.077	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	647.901	648.622	0.722	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.686	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.289
Steele City	NE	Holt*	648.622	648.847	0.225	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.203	0.000	0.000	0.000	0.023	0.000	0.000	0.000	0.135
Steele City	NE	Holt*	648.847	648.873	0.026	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.026	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	648.873	649.171	0.298	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.283	0.000	0.000	0.000	0.015	0.000	0.000	0.000	0.119
Steele City	NE	Holt*	649.171	649.253	0.082	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.074	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.049
Steele City	NE	Holt*	649.253	649.385	0.132	NE089	Els loamy sand, 0 to 2 percent slopes	0.128	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	649.385	649.426	0.041	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.040	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	649.426	649.484	0.057	NE089	Gannett loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.057	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	649.484	649.882	0.399	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.391	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	649.882	650.036	0.154	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.146	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.061
Steele City	NE	Holt*	650.036	650.080	0.044	NE089	Gannett loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.044	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	650.080	650.269	0.190	NE089	Gannett loam, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.190	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	650.269	650.429	0.160	NE089	Gannett loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.160	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	650.429	650.553	0.124	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.118	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.050

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Holt*	650.553	650.576	0.023	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.023	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	650.576	650.618	0.042	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.039	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.017
Steele City	NE	Holt*	650.618	650.757	0.140	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.126	0.000	0.000	0.000	0.014	0.000	0.000	0.000	0.084
Steele City	NE	Holt*	650.757	651.036	0.279	NE089	Valentine fine sand, rolling	0.273	0.273	0.000	0.000	0.006	0.000	0.000	0.000	0.273
Steele City	NE	Holt*	651.036	651.193	0.157	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.149	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.063
Steele City	NE	Holt*	651.193	651.219	0.027	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.027	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	651.219	651.364	0.145	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.138	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.058
Steele City	NE	Holt*	651.364	651.642	0.278	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.251	0.000	0.000	0.000	0.028	0.000	0.000	0.000	0.167
Steele City	NE	Holt*	651.642	651.688	0.046	NE089	Els loamy sand, 0 to 2 percent slopes	0.044	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	651.688	651.783	0.095	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.086	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.057
Steele City	NE	Holt*	651.783	652.025	0.241	NE089	Valentine fine sand, rolling	0.236	0.236	0.000	0.000	0.005	0.000	0.000	0.000	0.236
Steele City	NE	Holt*	652.025	652.663	0.639	NE089	Valentine fine sand, Rolling, and Hilly	0.639	0.639	0.000	0.000	0.000	0.000	0.000	0.000	0.639
Steele City	NE	Holt*	652.663	652.921	0.258	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.232	0.000	0.000	0.000	0.026	0.000	0.000	0.000	0.155
Steele City	NE	Holt*	652.921	653.001	0.080	NE089	Tryon loamy fine sand, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.080	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	653.001	653.419	0.418	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.418	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	653.419	653.809	0.390	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.351	0.000	0.000	0.000	0.039	0.000	0.000	0.000	0.234
Steele City	NE	Holt*	653.809	653.877	0.068	NE089	Almeria-Calamus complex, channeled	0.031	0.000	0.034	0.000	0.038	0.000	0.004	0.000	0.026
Steele City	NE	Holt*	653.877	654.359	0.482	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.458	0.000	0.000	0.000	0.024	0.000	0.000	0.000	0.193
Steele City	NE	Holt*	654.359	654.492	0.133	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.120	0.000	0.000	0.000	0.013	0.000	0.000	0.000	0.080
Steele City	NE	Holt*	654.492	655.095	0.603	NE089	Valentine fine sand, rolling	0.591	0.591	0.000	0.000	0.012	0.000	0.000	0.000	0.591
Steele City	NE	Holt*	655.095	655.284	0.189	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.170	0.000	0.000	0.000	0.019	0.000	0.000	0.000	0.113
Steele City	NE	Holt*	655.284	655.367	0.083	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.079	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.033
Steele City	NE	Holt*	655.367	655.446	0.079	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.079	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	655.446	655.587	0.141	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.138	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.061
Steele City	NE	Holt*	655.587	655.590	0.003	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	655.590	655.597	0.006	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003
Steele City	NE	Holt*	655.597	655.685	0.088	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.088	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	655.685	655.816	0.131	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.128	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	655.816	655.872	0.057	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.057	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	655.872	655.976	0.104	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.102	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	655.976	656.177	0.201	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.197	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.086
Steele City	NE	Holt*	656.177	656.225	0.048	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.046	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.019
Steele City	NE	Holt*	656.225	656.418	0.193	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.189	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.083
Steele City	NE	Holt*	656.418	656.551	0.133	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.120	0.000	0.000	0.000	0.013	0.000	0.000	0.000	0.080
Steele City	NE	Holt*	656.551	657.108	0.556	NE089	Valentine fine sand, rolling	0.545	0.545	0.000	0.000	0.011	0.000	0.000	0.000	0.545
Steele City	NE	Holt*	657.108	657.468	0.360	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.324	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.216
Steele City	NE	Holt*	657.468	657.549	0.081	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.081	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	657.549	657.614	0.065	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.061	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.026
Steele City	NE	Holt*	657.614	657.866	0.252	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.227	0.000	0.000	0.000	0.025	0.000	0.000	0.000	0.151
Steele City	NE	Holt*	657.866	657.900	0.034	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.032	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.014
Steele City	NE	Holt*	657.900	657.923	0.023	NE089	Tryon loamy fine sand, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.023	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	657.923	658.243	0.321	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.289	0.000	0.000	0.000	0.032	0.000	0.000	0.000	0.192
Steele City	NE	Holt*	658.243	658.394	0.151	NE089	Valentine fine sand, rolling	0.148	0.148	0.000	0.000	0.003	0.000	0.000	0.000	0.148
Steele City	NE	Holt*	658.394	658.555	0.161	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.145	0.000	0.000	0.000	0.016	0.000	0.000	0.000	0.096
Steele City	NE	Holt*	658.555	659.345	0.790	NE089	Valentine fine sand, rolling	0.774	0.774	0.000	0.000	0.016	0.000	0.000	0.000	0.774
Steele City	NE	Holt*	659.345	659.401	0.056	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.051	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.034
Steele City	NE	Holt*	659.401	659.535	0.134	NE089	Tryon loamy fine sand, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.134	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	659.535	659.547	0.012	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.011	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.005
Steele City	NE	Holt*	659.547	659.739	0.192	NE089	Tryon loamy fine sand, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.192	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	659.739	660.003	0.264	NE089	Els loamy sand, 0 to 2 percent slopes	0.256	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	660.003	660.129	0.126	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.119	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.050
Steele City	NE	Holt*	660.129	660.244	0.115	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.104	0.000	0.000	0.000	0.012	0.000	0.000	0.000	0.069
Steele City	NE	Holt*	660.244	660.370	0.126	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.120	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.050
Steele City	NE	Holt*	660.370	660.446	0.076	NE089	Blown out land-Valentine complex, 6 to 60 percent slopes	0.072	0.072	0.000	0.000	0.004	0.000	0.000	0.000	0.072
Steele City	NE	Holt*	660.446	660.607	0.161	NE089	Valentine fine sand, rolling	0.158	0.158	0.000	0.000	0.003	0.000	0.000	0.000	0.158
Steele City	NE	Holt*	660.607	660.698	0.091	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.086	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.036
Steele City	NE	Holt*	660.698	660.932	0.235	NE089	Tryon loamy fine sand, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.235	0.000	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Holt*	660.932	661.019	0.087	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.083	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.035
Steele City	NE	Holt*	661.019	661.095	0.076	NE089	Tryon loamy fine sand, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.076	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	661.095	661.151	0.056	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.053	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.022
Steele City	NE	Holt*	661.151	661.260	0.109	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.098	0.000	0.000	0.000	0.011	0.000	0.000	0.000	0.065
Steele City	NE	Holt*	661.260	661.326	0.066	NE089	Tryon loamy fine sand, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.066	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	661.326	661.350	0.024	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.023	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.010
Steele City	NE	Holt*	661.350	661.520	0.169	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.152	0.000	0.000	0.000	0.017	0.000	0.000	0.000	0.102
Steele City	NE	Holt*	661.520	661.682	0.163	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.155	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.065
Steele City	NE	Holt*	661.682	661.842	0.159	NE089	Valentine fine sand, rolling	0.156	0.156	0.000	0.000	0.003	0.000	0.000	0.000	0.156
Steele City	NE	Holt*	661.842	662.085	0.244	NE089	Valentine fine sand, Rolling, and Hilly	0.244	0.244	0.000	0.000	0.000	0.000	0.000	0.000	0.244
Steele City	NE	Holt*	662.085	662.458	0.372	NE089	Valentine fine sand, rolling	0.365	0.365	0.000	0.000	0.007	0.000	0.000	0.000	0.365
Steele City	NE	Holt*	662.458	662.721	0.263	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.250	0.000	0.000	0.000	0.013	0.000	0.000	0.000	0.105
Steele City	NE	Holt*	662.721	662.794	0.073	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.066	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.044
Steele City	NE	Holt*	662.794	663.015	0.221	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.210	0.000	0.000	0.000	0.011	0.000	0.000	0.000	0.088
Steele City	NE	Holt*	663.015	663.126	0.111	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.111	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	663.126	663.213	0.087	NE089	Els loamy sand, 0 to 2 percent slopes	0.084	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	663.213	663.298	0.085	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.085	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	663.298	663.352	0.054	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.051	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.022
Steele City	NE	Holt*	663.352	663.573	0.221	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.217	0.000	0.084	0.000	0.004	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	663.573	663.813	0.240	NE089	Els loamy sand, 0 to 2 percent slopes	0.232	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	663.813	663.857	0.045	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.042	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.018
Steele City	NE	Holt*	663.857	663.941	0.084	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.084	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	663.941	663.974	0.033	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.031	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.013
Steele City	NE	Holt*	663.974	664.355	0.381	NE089	Els loamy sand, 0 to 2 percent slopes	0.369	0.000	0.000	0.000	0.011	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	664.355	664.537	0.182	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.173	0.000	0.000	0.000	0.009	0.000	0.000	0.000	0.073
Steele City	NE	Holt*	664.537	664.603	0.066	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.059	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.040
Steele City	NE	Holt*	664.603	664.626	0.023	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.022	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.009
Steele City	NE	Holt*	664.626	664.708	0.082	NE089	Marlake fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.082	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	664.708	664.738	0.030	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.030	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	664.738	664.910	0.172	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.163	0.000	0.000	0.000	0.009	0.000	0.000	0.000	0.069
Steele City	NE	Holt*	664.910	665.049	0.139	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.139	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	665.049	665.337	0.288	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.274	0.000	0.000	0.000	0.014	0.000	0.000	0.000	0.115
Steele City	NE	Holt*	665.337	665.387	0.050	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	665.387	665.519	0.132	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.126	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.053
Steele City	NE	Holt*	665.519	665.591	0.072	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.072	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	665.591	665.692	0.101	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.096	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.040
Steele City	NE	Holt*	665.692	665.695	0.003	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002
Steele City	NE	Holt*	665.695	665.749	0.054	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.051	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.022
Steele City	NE	Holt*	665.749	665.792	0.043	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.039	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.026
Steele City	NE	Holt*	665.792	666.353	0.561	NE089	Valentine fine sand, Rolling, and Hilly	0.561	0.561	0.000	0.000	0.000	0.000	0.000	0.000	0.561
Steele City	NE	Holt*	666.353	666.556	0.203	NE089	Valentine fine sand, rolling	0.199	0.199	0.000	0.000	0.004	0.000	0.000	0.000	0.199
Steele City	NE	Holt*	666.556	666.647	0.092	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.083	0.000	0.000	0.000	0.009	0.000	0.000	0.000	0.055
Steele City	NE	Holt*	666.647	666.710	0.062	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.059	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.025
Steele City	NE	Holt*	666.710	667.060	0.350	NE089	Valentine fine sand, 3 to 9 percent slopes	0.332	0.000	0.000	0.000	0.017	0.000	0.000	0.000	0.332
Steele City	NE	Holt*	667.060	667.090	0.030	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.028	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.012
Steele City	NE	Holt*	667.090	667.168	0.078	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.078	0.000	0.000	0.000	0.000
Steele City	NE	Holt*	667.168	667.331	0.163	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.155	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.065
Steele City	NE	Holt*	667.331	667.727	0.397	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.357	0.000	0.000	0.000	0.040	0.000	0.000	0.000	0.238
Steele City	NE	Holt*	667.727	667.757	0.030	NE089	Valentine fine sand, rolling	0.030	0.030	0.000	0.000	0.001	0.000	0.000	0.000	0.030
Steele City	NE	Holt*	667.757	667.922	0.164	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.148	0.000	0.000	0.000	0.016	0.000	0.000	0.000	0.098
Steele City	NE	Holt*	667.922	668.026	0.105	NE089	Valentine fine sand, rolling	0.102	0.102	0.000	0.000	0.002	0.000	0.000	0.000	0.102
Steele City	NE	Holt*	668.026	668.916	0.890	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.801	0.000	0.000	0.000	0.089	0.000	0.000	0.000	0.534
Steele City	NE	Holt*	668.916	669.015	0.099	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.094	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.040
Steele City	NE	Holt*	669.015	669.078	0.063	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.057	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.038
Steele City	NE	Holt*	669.078	669.331	0.253	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.240	0.000	0.000	0.000	0.013	0.000	0.000	0.000	0.101
Steele City	NE	Garfield*	669.331	669.406	0.075	NE071	Els-Ipage complex, 0 to 3 percent slopes	0.067	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.030
Steele City	NE	Garfield*	669.406	669.440	0.034	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.032	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.019

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Garfield*	669.440	669.479	0.039	NE071	Els-Ipage complex, 0 to 3 percent slopes	0.035	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.015
Steele City	NE	Garfield*	669.479	670.065	0.586	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.545	0.000	0.000	0.000	0.041	0.000	0.000	0.000	0.323
Steele City	NE	Garfield*	670.065	670.088	0.023	NE071	Tryon loamy fine sand, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.023	0.000	0.000	0.000	0.000
Steele City	NE	Garfield*	670.088	670.137	0.049	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.046	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.027
Steele City	NE	Garfield*	670.137	670.177	0.040	NE071	Els-Ipage complex, 0 to 3 percent slopes	0.036	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.016
Steele City	NE	Garfield*	670.177	670.242	0.064	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.060	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.035
Steele City	NE	Garfield*	670.242	670.352	0.110	NE071	Valentine fine sand, rolling	0.108	0.108	0.000	0.000	0.002	0.000	0.000	0.000	0.108
Steele City	NE	Garfield*	670.352	670.466	0.114	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.106	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.063
Steele City	NE	Garfield*	670.466	670.646	0.180	NE071	Valentine fine sand, rolling	0.176	0.176	0.000	0.000	0.004	0.000	0.000	0.000	0.176
Steele City	NE	Garfield*	670.646	670.748	0.102	NE071	Blownout land-Valentine complex, 6 to 60 percent slopes	0.097	0.097	0.000	0.000	0.005	0.000	0.000	0.000	0.097
Steele City	NE	Garfield*	670.748	670.972	0.224	NE071	Valentine fine sand, rolling	0.219	0.219	0.000	0.000	0.004	0.000	0.000	0.000	0.219
Steele City	NE	Garfield*	670.972	671.085	0.113	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.105	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.062
Steele City	NE	Garfield*	671.085	671.371	0.286	NE071	Valentine fine sand, rolling	0.280	0.280	0.000	0.000	0.006	0.000	0.000	0.000	0.280
Steele City	NE	Garfield*	671.371	671.744	0.373	NE071	Valentine fine sand, rolling and hilly	0.366	0.366	0.000	0.000	0.007	0.000	0.000	0.000	0.366
Steele City	NE	Garfield*	671.744	671.786	0.042	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.039	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.023
Steele City	NE	Garfield*	671.786	671.849	0.062	NE071	Valentine fine sand, rolling	0.061	0.061	0.000	0.000	0.001	0.000	0.000	0.000	0.061
Steele City	NE	Garfield*	671.849	671.878	0.029	NE071	Tryon-Ipage complex, 0 to 3 percent slopes	0.012	0.000	0.000	0.000	0.018	0.000	0.000	0.000	0.012
Steele City	NE	Garfield*	671.878	671.908	0.030	NE071	Valentine fine sand, rolling	0.030	0.030	0.000	0.000	0.001	0.000	0.000	0.000	0.030
Steele City	NE	Garfield*	671.908	671.940	0.032	NE071	Tryon-Ipage complex, 0 to 3 percent slopes	0.013	0.000	0.000	0.000	0.019	0.000	0.000	0.000	0.013
Steele City	NE	Garfield*	671.940	671.966	0.026	NE071	Valentine fine sand, rolling	0.025	0.025	0.000	0.000	0.001	0.000	0.000	0.000	0.025
Steele City	NE	Garfield*	671.966	671.974	0.009	NE071	Tryon-Ipage complex, 0 to 3 percent slopes	0.004	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.004
Steele City	NE	Garfield*	671.974	672.045	0.071	NE071	Valentine fine sand, rolling	0.069	0.069	0.000	0.000	0.001	0.000	0.000	0.000	0.069
Steele City	NE	Garfield*	672.045	672.086	0.041	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.038	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.023
Steele City	NE	Garfield*	672.086	672.128	0.042	NE071	Valentine fine sand, rolling	0.041	0.041	0.000	0.000	0.001	0.000	0.000	0.000	0.041
Steele City	NE	Garfield*	672.128	672.181	0.052	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.049	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.029
Steele City	NE	Garfield*	672.181	672.275	0.094	NE071	Valentine fine sand, rolling	0.093	0.093	0.000	0.000	0.002	0.000	0.000	0.000	0.093
Steele City	NE	Garfield*	672.275	672.421	0.146	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.136	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.080
Steele City	NE	Garfield*	672.421	672.459	0.038	NE071	Valentine fine sand, rolling	0.037	0.037	0.000	0.000	0.001	0.000	0.000	0.000	0.037
Steele City	NE	Garfield*	672.459	672.526	0.067	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.063	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.037
Steele City	NE	Garfield*	672.526	672.551	0.024	NE071	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.024	0.000	0.000	0.000	0.000
Steele City	NE	Garfield*	672.551	672.645	0.094	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.088	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.052
Steele City	NE	Garfield*	672.645	672.935	0.290	NE071	Valentine fine sand, rolling	0.284	0.284	0.000	0.000	0.006	0.000	0.000	0.000	0.284
Steele City	NE	Garfield*	672.935	673.245	0.310	NE071	Valentine fine sand, rolling and hilly	0.304	0.304	0.000	0.000	0.006	0.000	0.000	0.000	0.304
Steele City	NE	Garfield*	673.245	674.016	0.771	NE071	Valentine fine sand, rolling	0.756	0.756	0.000	0.000	0.015	0.000	0.000	0.000	0.756
Steele City	NE	Garfield*	674.016	674.074	0.058	NE071	Blownout land-Valentine complex, 6 to 60 percent slopes	0.055	0.055	0.000	0.000	0.003	0.000	0.000	0.000	0.055
Steele City	NE	Garfield*	674.074	674.107	0.033	NE071	Valentine fine sand, rolling	0.032	0.032	0.000	0.000	0.001	0.000	0.000	0.000	0.032
Steele City	NE	Garfield*	674.107	674.123	0.016	NE071	Blownout land-Valentine complex, 6 to 60 percent slopes	0.015	0.015	0.000	0.000	0.001	0.000	0.000	0.000	0.015
Steele City	NE	Garfield*	674.123	674.709	0.586	NE071	Valentine fine sand, rolling	0.574	0.574	0.000	0.000	0.012	0.000	0.000	0.000	0.574
Steele City	NE	Garfield*	674.709	675.000	0.291	NE071	Valentine fine sand, rolling and hilly	0.286	0.286	0.000	0.000	0.006	0.000	0.000	0.000	0.286
Steele City	NE	Garfield*	675.000	675.038	0.038	NE071	Valentine fine sand, rolling	0.037	0.037	0.000	0.000	0.001	0.000	0.000	0.000	0.037
Steele City	NE	Garfield*	675.038	675.157	0.119	NE071	Valentine fine sand, rolling and hilly	0.117	0.117	0.000	0.000	0.002	0.000	0.000	0.000	0.117
Steele City	NE	Garfield*	675.157	675.238	0.081	NE071	Valentine fine sand, rolling	0.080	0.080	0.000	0.000	0.002	0.000	0.000	0.000	0.080
Steele City	NE	Garfield*	675.238	675.497	0.259	NE071	Valentine fine sand, rolling and hilly	0.253	0.253	0.000	0.000	0.005	0.000	0.000	0.000	0.253
Steele City	NE	Garfield*	675.497	675.650	0.153	NE071	Blownout land-Valentine complex, 6 to 60 percent slopes	0.146	0.146	0.000	0.000	0.008	0.000	0.000	0.000	0.146
Steele City	NE	Garfield*	675.650	676.667	1.017	NE071	Valentine fine sand, rolling and hilly	0.997	0.997	0.000	0.000	0.020	0.000	0.000	0.000	0.997
Steele City	NE	Garfield*	676.667	676.699	0.032	NE071	Valentine fine sand, rolling	0.031	0.031	0.000	0.000	0.001	0.000	0.000	0.000	0.031
Steele City	NE	Garfield*	676.699	676.905	0.206	NE071	Valentine fine sand, rolling and hilly	0.202	0.202	0.000	0.000	0.004	0.000	0.000	0.000	0.202
Steele City	NE	Garfield*	676.905	676.966	0.061	NE071	Valentine fine sand, rolling	0.060	0.060	0.000	0.000	0.001	0.000	0.000	0.000	0.060
Steele City	NE	Garfield*	676.966	677.035	0.069	NE071	Valentine fine sand, rolling and hilly	0.068	0.068	0.000	0.000	0.001	0.000	0.000	0.000	0.068
Steele City	NE	Garfield*	677.035	677.346	0.311	NE071	Valentine fine sand, rolling	0.305	0.305	0.000	0.000	0.006	0.000	0.000	0.000	0.305
Steele City	NE	Garfield*	677.346	678.086	0.740	NE071	Valentine fine sand, rolling and hilly	0.725	0.725	0.000	0.000	0.015	0.000	0.000	0.000	0.725
Steele City	NE	Garfield*	678.086	678.146	0.059	NE071	Valentine fine sand, rolling	0.058	0.058	0.000	0.000	0.001	0.000	0.000	0.000	0.058
Steele City	NE	Garfield*	678.146	678.326	0.180	NE071	Valentine loamy fine sand, 3 to 9 percent slopes	0.180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.180
Steele City	NE	Garfield*	678.326	678.387	0.061	NE071	Hersh-Gates complex, 0 to 3 percent slopes	0.000	0.000	0.000	0.061	0.000	0.000	0.000	0.000	0.061
Steele City	NE	Garfield*	678.387	678.737	0.350	NE071	Valentine loamy fine sand, 3 to 9 percent slopes	0.350	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.350
Steele City	NE	Garfield*	678.737	678.803	0.067	NE071	Ipage loamy sand, 0 to 3 percent slopes	0.065	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.065
Steele City	NE	Garfield*	678.803	679.335	0.532	NE071	Valentine loamy fine sand, 3 to 9 percent slopes	0.532	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.532

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Garfield*	679.335	679.543	0.208	NE071	Ipage loamy sand, 0 to 3 percent slopes	0.203	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.203
Steele City	NE	Garfield*	679.543	679.632	0.089	NE071	Valentine fine sand, 3 to 9 percent slopes	0.087	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.087
Steele City	NE	Wheeler*	679.632	679.736	0.104	NE183	Valentine fine sand, 3 to 9 percent slopes	0.099	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.099
Steele City	NE	Wheeler*	679.736	679.791	0.055	NE183	Anselmo fine sandy loam, 2 to 6 percent slopes	0.000	0.000	0.000	0.055	0.000	0.000	0.000	0.000	0.055
Steele City	NE	Wheeler*	679.791	679.851	0.060	NE183	Loretto loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.060	0.000	0.060	0.000	0.000	0.000
Steele City	NE	Wheeler*	679.851	679.991	0.140	NE183	Valentine fine sand, rolling	0.137	0.137	0.000	0.000	0.003	0.000	0.000	0.000	0.137
Steele City	NE	Wheeler*	679.991	680.097	0.106	NE183	Boelus loamy sand, 0 to 3 percent slopes	0.106	0.000	0.000	0.106	0.000	0.106	0.000	0.000	0.106
Steele City	NE	Wheeler*	680.097	680.175	0.078	NE183	Anselmo fine sandy loam, 2 to 6 percent slopes	0.000	0.000	0.000	0.078	0.000	0.000	0.000	0.000	0.078
Steele City	NE	Wheeler*	680.175	680.383	0.208	NE183	Valentine-Dunday loamy fine sands, 3 to 9 percent slopes	0.208	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.208
Steele City	NE	Wheeler*	680.383	680.552	0.169	NE183	Blownout land-Valentine complex, 6 to 60 percent slopes	0.166	0.166	0.000	0.000	0.003	0.000	0.000	0.000	0.166
Steele City	NE	Wheeler*	680.552	680.780	0.228	NE183	Dunday loamy fine sand, 3 to 6 percent slopes	0.228	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.228
Steele City	NE	Wheeler*	680.780	680.885	0.105	NE183	Valentine fine sand, rolling	0.103	0.103	0.000	0.000	0.002	0.000	0.000	0.000	0.103
Steele City	NE	Wheeler*	680.885	681.276	0.390	NE183	Valentine-Dunday loamy fine sands, 3 to 9 percent slopes	0.390	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.390
Steele City	NE	Wheeler*	681.276	681.285	0.009	NE183	Valentine fine sand, rolling	0.009	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.009
Steele City	NE	Wheeler*	681.285	681.357	0.073	NE183	Valentine-Dunday loamy fine sands, 3 to 9 percent slopes	0.073	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.073
Steele City	NE	Wheeler*	681.357	681.468	0.111	NE183	Valentine fine sand, rolling	0.109	0.109	0.000	0.000	0.002	0.000	0.000	0.000	0.109
Steele City	NE	Wheeler*	681.468	681.716	0.248	NE183	Blownout land-Valentine complex, 6 to 60 percent slopes	0.243	0.243	0.000	0.000	0.005	0.000	0.000	0.000	0.243
Steele City	NE	Wheeler*	681.716	681.940	0.223	NE183	Valentine fine sand, rolling	0.219	0.219	0.000	0.000	0.004	0.000	0.000	0.000	0.219
Steele City	NE	Wheeler*	681.940	681.954	0.015	NE183	Blownout land-Valentine complex, 6 to 60 percent slopes	0.014	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.014
Steele City	NE	Wheeler*	681.954	682.297	0.343	NE183	Valentine fine sand, rolling	0.336	0.336	0.000	0.000	0.007	0.000	0.000	0.000	0.336
Steele City	NE	Wheeler*	682.297	682.687	0.390	NE183	Valentine fine sand, rolling and hilly	0.195	0.195	0.000	0.000	0.000	0.000	0.000	0.000	0.195
Steele City	NE	Wheeler*	682.687	682.790	0.103	NE183	Valentine fine sand, 3 to 9 percent slopes	0.098	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.098
Steele City	NE	Wheeler*	682.790	683.965	1.175	NE183	Valentine fine sand, rolling and hilly	0.588	0.588	0.000	0.000	0.000	0.000	0.000	0.000	0.588
Steele City	NE	Wheeler*	683.965	684.520	0.555	NE183	Valentine fine sand, rolling	0.544	0.544	0.000	0.000	0.011	0.000	0.000	0.000	0.544
Steele City	NE	Wheeler*	684.520	684.999	0.478	NE183	Valentine fine sand, rolling and hilly	0.239	0.239	0.000	0.000	0.000	0.000	0.000	0.000	0.239
Steele City	NE	Wheeler*	684.999	685.048	0.049	NE183	Valentine fine sand, rolling	0.048	0.048	0.000	0.000	0.001	0.000	0.000	0.000	0.048
Steele City	NE	Wheeler*	685.048	685.174	0.126	NE183	Valentine fine sand, rolling and hilly	0.063	0.063	0.000	0.000	0.000	0.000	0.000	0.000	0.063
Steele City	NE	Wheeler*	685.174	685.236	0.062	NE183	Valentine fine sand, rolling	0.061	0.061	0.000	0.000	0.001	0.000	0.000	0.000	0.061
Steele City	NE	Wheeler*	685.236	686.369	1.133	NE183	Valentine fine sand, rolling and hilly	0.566	0.566	0.000	0.000	0.000	0.000	0.000	0.000	0.566
Steele City	NE	Wheeler*	686.369	686.833	0.465	NE183	Valentine fine sand, rolling	0.456	0.456	0.000	0.000	0.009	0.000	0.000	0.000	0.456
Steele City	NE	Wheeler*	686.833	687.508	0.675	NE183	Valentine fine sand, rolling and hilly	0.337	0.337	0.000	0.000	0.000	0.000	0.000	0.000	0.337
Steele City	NE	Wheeler*	687.508	687.552	0.044	NE183	Valentine fine sand, rolling	0.043	0.043	0.000	0.000	0.001	0.000	0.000	0.000	0.043
Steele City	NE	Wheeler*	687.552	688.395	0.843	NE183	Valentine fine sand, rolling and hilly	0.422	0.422	0.000	0.000	0.000	0.000	0.000	0.000	0.422
Steele City	NE	Wheeler*	688.395	688.469	0.074	NE183	Valentine fine sand, rolling	0.072	0.072	0.000	0.000	0.001	0.000	0.000	0.000	0.072
Steele City	NE	Wheeler*	688.469	689.938	1.469	NE183	Valentine fine sand, rolling and hilly	0.735	0.735	0.000	0.000	0.000	0.000	0.000	0.000	0.735
Steele City	NE	Wheeler*	689.938	690.065	0.127	NE183	Valentine fine sand, rolling	0.124	0.124	0.000	0.000	0.003	0.000	0.000	0.000	0.124
Steele City	NE	Wheeler*	690.065	691.062	0.997	NE183	Valentine fine sand, rolling and hilly	0.498	0.498	0.000	0.000	0.000	0.000	0.000	0.000	0.498
Steele City	NE	Wheeler*	691.062	691.138	0.076	NE183	Valentine fine sand, rolling	0.074	0.074	0.000	0.000	0.002	0.000	0.000	0.000	0.074
Steele City	NE	Wheeler*	691.138	691.319	0.181	NE183	Valentine fine sand, rolling and hilly	0.091	0.091	0.000	0.000	0.000	0.000	0.000	0.000	0.091
Steele City	NE	Wheeler*	691.319	691.417	0.098	NE183	Valentine fine sand, rolling	0.096	0.096	0.000	0.000	0.002	0.000	0.000	0.000	0.096
Steele City	NE	Wheeler*	691.417	691.835	0.418	NE183	Valentine fine sand, rolling and hilly	0.209	0.209	0.000	0.000	0.000	0.000	0.000	0.000	0.209
Steele City	NE	Wheeler*	691.835	691.965	0.130	NE183	Valentine fine sand, rolling	0.127	0.127	0.000	0.000	0.003	0.000	0.000	0.000	0.127
Steele City	NE	Wheeler*	691.965	692.216	0.252	NE183	Valentine fine sand, rolling and hilly	0.126	0.126	0.000	0.000	0.000	0.000	0.000	0.000	0.126
Steele City	NE	Wheeler*	692.216	692.336	0.119	NE183	Boelus loamy sand, 0 to 3 percent slopes	0.119	0.000	0.000	0.119	0.000	0.119	0.000	0.000	0.119
Steele City	NE	Wheeler*	692.336	692.450	0.114	NE183	Valentine fine sand, rolling	0.112	0.112	0.000	0.000	0.002	0.000	0.000	0.000	0.112
Steele City	NE	Wheeler*	692.450	692.665	0.215	NE183	Valentine fine sand, rolling and hilly	0.107	0.107	0.000	0.000	0.000	0.000	0.000	0.000	0.107
Steele City	NE	Wheeler*	692.665	692.844	0.179	NE183	Valentine fine sand, rolling	0.176	0.176	0.000	0.000	0.004	0.000	0.000	0.000	0.176
Steele City	NE	Wheeler*	692.844	693.098	0.254	NE183	Valentine fine sand, rolling and hilly	0.127	0.127	0.000	0.000	0.000	0.000	0.000	0.000	0.127
Steele City	NE	Wheeler*	693.098	693.198	0.101	NE183	Boelus loamy sand, 0 to 3 percent slopes	0.101	0.000	0.000	0.101	0.000	0.101	0.000	0.000	0.101
Steele City	NE	Wheeler*	693.198	693.276	0.078	NE183	Valentine fine sand, rolling	0.077	0.077	0.000	0.000	0.002	0.000	0.000	0.000	0.077
Steele City	NE	Wheeler*	693.276	693.943	0.666	NE183	Valentine fine sand, rolling and hilly	0.333	0.333	0.000	0.000	0.000	0.000	0.000	0.000	0.333
Steele City	NE	Wheeler*	693.943	694.329	0.386	NE183	Valentine fine sand, 3 to 9 percent slopes	0.367	0.000	0.000	0.000	0.019	0.000	0.000	0.000	0.367
Steele City	NE	Wheeler*	694.329	694.456	0.127	NE183	Valentine fine sand, rolling and hilly	0.063	0.063	0.000	0.000	0.000	0.000	0.000	0.000	0.063
Steele City	NE	Wheeler*	694.456	694.599	0.143	NE183	Valentine fine sand, rolling	0.140	0.140	0.000	0.000	0.003	0.000	0.000	0.000	0.140
Steele City	NE	Wheeler*	694.599	694.848	0.250	NE183	Valentine fine sand, rolling and hilly	0.125	0.125	0.000	0.000	0.000	0.000	0.000	0.000	0.125
Steele City	NE	Wheeler*	694.848	694.933	0.085	NE183	Valentine fine sand, rolling	0.083	0.083	0.000	0.000	0.002	0.000	0.000	0.000	0.083
Steele City	NE	Wheeler*	694.933	695.023	0.090	NE183	Valentine fine sand, rolling and hilly	0.045	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.045

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Wheeler*	695.023	695.252	0.229	NE183	Ipage fine sand, 0 to 3 percent slopes	0.217	0.000	0.000	0.000	0.011	0.000	0.000	0.000	0.217
Steele City	NE	Wheeler*	695.252	695.451	0.199	NE183	Valentine fine sand, 3 to 9 percent slopes	0.189	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.189
Steele City	NE	Wheeler*	695.451	695.483	0.032	NE183	Valentine fine sand, rolling	0.032	0.032	0.000	0.000	0.001	0.000	0.000	0.000	0.032
Steele City	NE	Wheeler*	695.483	695.523	0.040	NE183	Ipage fine sand, 0 to 3 percent slopes	0.038	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.038
Steele City	NE	Wheeler*	695.523	695.576	0.053	NE183	Valentine fine sand, rolling	0.052	0.052	0.000	0.000	0.001	0.000	0.000	0.000	0.052
Steele City	NE	Wheeler*	695.576	695.630	0.055	NE183	Els-Ipage fine sands, 0 to 3 percent slopes	0.052	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.025
Steele City	NE	Wheeler*	695.630	695.748	0.118	NE183	Ipage fine sand, 0 to 3 percent slopes	0.112	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.112
Steele City	NE	Wheeler*	695.748	696.161	0.413	NE183	Els-Ipage fine sands, 0 to 3 percent slopes	0.392	0.000	0.000	0.000	0.021	0.000	0.000	0.000	0.186
Steele City	NE	Wheeler*	696.161	696.207	0.045	NE183	Valentine fine sand, 0 to 3 percent slopes	0.043	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.043
Steele City	NE	Wheeler*	696.207	696.431	0.224	NE183	Els-Ipage fine sands, 0 to 3 percent slopes	0.213	0.000	0.000	0.000	0.011	0.000	0.000	0.000	0.101
Steele City	NE	Wheeler*	696.431	696.466	0.034	NE183	Tryon-Inavale complex, channeled	0.013	0.000	0.021	0.000	0.021	0.000	0.000	0.000	0.013
Steele City	NE	Wheeler*	696.466	696.493	0.027	NE183	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Wheeler*	696.493	696.615	0.122	NE183	Valentine fine sand, 0 to 3 percent slopes	0.116	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.116
Steele City	NE	Wheeler*	696.615	696.870	0.255	NE183	Libory loamy fine sand, 0 to 3 percent slopes	0.255	0.000	0.000	0.255	0.000	0.255	0.000	0.000	0.255
Steele City	NE	Wheeler*	696.870	696.991	0.122	NE183	Ipage fine sand, 0 to 3 percent slopes	0.116	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.116
Steele City	NE	Wheeler*	696.991	697.058	0.066	NE183	Valentine fine sand, rolling	0.065	0.065	0.000	0.000	0.001	0.000	0.000	0.000	0.065
Steele City	NE	Wheeler*	697.058	697.191	0.133	NE183	Valentine fine sand, 3 to 9 percent slopes	0.127	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.127
Steele City	NE	Wheeler*	697.191	697.352	0.161	NE183	Valentine fine sand, rolling	0.158	0.158	0.000	0.000	0.003	0.000	0.000	0.000	0.158
Steele City	NE	Wheeler*	697.352	697.573	0.221	NE183	Valentine fine sand, 3 to 9 percent slopes	0.210	0.000	0.000	0.000	0.011	0.000	0.000	0.000	0.210
Steele City	NE	Greeley*	697.572	697.625	0.053	NE077	Valentine fine sand, 3 to 9 percent slopes	0.053	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.053
Steele City	NE	Greeley*	697.625	697.678	0.054	NE077	Valentine fine sand, rolling	0.054	0.054	0.000	0.000	0.000	0.000	0.000	0.000	0.054
Steele City	NE	Greeley*	697.678	697.711	0.033	NE077	Valentine fine sand, 3 to 9 percent slopes	0.033	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.033
Steele City	NE	Greeley*	697.711	697.924	0.212	NE077	Valentine fine sand, rolling	0.212	0.212	0.000	0.000	0.000	0.000	0.000	0.000	0.212
Steele City	NE	Greeley*	697.924	697.943	0.020	NE077	Valentine fine sand, 3 to 9 percent slopes	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020
Steele City	NE	Greeley*	697.943	697.956	0.013	NE077	Valentine fine sand, rolling	0.013	0.013	0.000	0.000	0.000	0.000	0.000	0.000	0.013
Steele City	NE	Greeley*	697.956	698.066	0.110	NE077	Valentine fine sand, 3 to 9 percent slopes	0.110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.110
Steele City	NE	Greeley*	698.066	698.315	0.249	NE077	Valentine fine sand, rolling	0.249	0.249	0.000	0.000	0.000	0.000	0.000	0.000	0.249
Steele City	NE	Greeley*	698.315	698.437	0.122	NE077	Ipage fine sand, 0 to 3 percent slopes	0.121	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.121
Steele City	NE	Greeley*	698.437	698.552	0.115	NE077	Valentine fine sand, rolling	0.115	0.115	0.000	0.000	0.000	0.000	0.000	0.000	0.115
Steele City	NE	Greeley*	698.552	698.607	0.055	NE077	Ipage fine sand, 0 to 3 percent slopes	0.054	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.054
Steele City	NE	Greeley*	698.607	698.795	0.188	NE077	Valentine fine sand, rolling	0.188	0.188	0.000	0.000	0.000	0.000	0.000	0.000	0.188
Steele City	NE	Greeley*	698.795	698.892	0.097	NE077	Valentine fine sand, rolling and hilly	0.049	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.049
Steele City	NE	Greeley*	698.892	698.947	0.054	NE077	Valentine fine sand, rolling	0.054	0.054	0.000	0.000	0.000	0.000	0.000	0.000	0.054
Steele City	NE	Greeley*	698.947	699.012	0.065	NE077	Valentine fine sand, rolling and hilly	0.033	0.033	0.000	0.000	0.000	0.000	0.000	0.000	0.033
Steele City	NE	Greeley*	699.012	699.418	0.407	NE077	Valentine fine sand, rolling	0.407	0.407	0.000	0.000	0.000	0.000	0.000	0.000	0.407
Steele City	NE	Greeley*	699.418	699.933	0.514	NE077	Valentine fine sand, rolling and hilly	0.257	0.257	0.000	0.000	0.000	0.000	0.000	0.000	0.257
Steele City	NE	Greeley*	699.933	700.020	0.088	NE077	Valentine fine sand, rolling	0.088	0.088	0.000	0.000	0.000	0.000	0.000	0.000	0.088
Steele City	NE	Greeley*	700.020	700.407	0.387	NE077	Valentine fine sand, rolling and hilly	0.193	0.193	0.000	0.000	0.000	0.000	0.000	0.000	0.193
Steele City	NE	Greeley*	700.407	700.520	0.112	NE077	Valentine fine sand, rolling	0.112	0.112	0.000	0.000	0.000	0.000	0.000	0.000	0.112
Steele City	NE	Greeley*	700.520	700.607	0.087	NE077	Valentine fine sand, rolling and hilly	0.044	0.044	0.000	0.000	0.000	0.000	0.000	0.000	0.044
Steele City	NE	Greeley*	700.607	700.740	0.133	NE077	Valentine fine sand, rolling	0.133	0.133	0.000	0.000	0.000	0.000	0.000	0.000	0.133
Steele City	NE	Greeley*	700.740	701.446	0.706	NE077	Valentine fine sand, rolling and hilly	0.353	0.353	0.000	0.000	0.000	0.000	0.000	0.000	0.353
Steele City	NE	Greeley*	701.446	701.590	0.144	NE077	Valentine fine sand, rolling	0.144	0.144	0.000	0.000	0.000	0.000	0.000	0.000	0.144
Steele City	NE	Greeley*	701.590	701.644	0.054	NE077	Valentine fine sand, rolling and hilly	0.027	0.027	0.000	0.000	0.000	0.000	0.000	0.000	0.027
Steele City	NE	Greeley*	701.644	701.765	0.121	NE077	Valentine fine sand, rolling	0.121	0.121	0.000	0.000	0.000	0.000	0.000	0.000	0.121
Steele City	NE	Greeley*	701.765	701.925	0.160	NE077	Valentine fine sand, rolling and hilly	0.080	0.080	0.000	0.000	0.000	0.000	0.000	0.000	0.080
Steele City	NE	Greeley*	701.925	702.047	0.122	NE077	Valentine fine sand, rolling	0.122	0.122	0.000	0.000	0.000	0.000	0.000	0.000	0.122
Steele City	NE	Greeley*	702.047	702.249	0.202	NE077	Valentine fine sand, rolling and hilly	0.101	0.101	0.000	0.000	0.000	0.000	0.000	0.000	0.101
Steele City	NE	Greeley*	702.249	702.315	0.066	NE077	Valentine fine sand, rolling	0.066	0.066	0.000	0.000	0.000	0.000	0.000	0.000	0.066
Steele City	NE	Greeley*	702.315	702.464	0.149	NE077	Valentine fine sand, rolling and hilly	0.074	0.074	0.000	0.000	0.000	0.000	0.000	0.000	0.074
Steele City	NE	Greeley*	702.464	702.531	0.067	NE077	Gates-Hersh complex, 0 to 3 percent slopes	0.047	0.000	0.000	0.067	0.000	0.000	0.000	0.000	0.067
Steele City	NE	Greeley*	702.531	702.631	0.100	NE077	Valentine fine sand, rolling	0.100	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.100
Steele City	NE	Greeley*	702.631	702.750	0.119	NE077	Valentine fine sand, rolling and hilly	0.060	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.060
Steele City	NE	Greeley*	702.750	702.846	0.096	NE077	Gates-Hersh complex, 0 to 3 percent slopes	0.067	0.000	0.000	0.096	0.000	0.000	0.000	0.000	0.096
Steele City	NE	Greeley*	702.846	702.939	0.093	NE077	Valentine fine sand, rolling	0.093	0.093	0.000	0.000	0.000	0.000	0.000	0.000	0.093
Steele City	NE	Greeley*	702.939	703.270	0.331	NE077	Valentine fine sand, rolling and hilly	0.165	0.165	0.000	0.000	0.000	0.000	0.000	0.000	0.165
Steele City	NE	Greeley*	703.270	703.323	0.053	NE077	Valentine fine sand, rolling	0.053	0.053	0.000	0.000	0.000	0.000	0.000	0.000	0.053

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Greeley*	703.323	703.584	0.262	NE077	Valentine fine sand, rolling and hilly	0.131	0.131	0.000	0.000	0.000	0.000	0.000	0.000	0.131
Steele City	NE	Greeley*	703.584	703.621	0.037	NE077	Valentine fine sand, rolling	0.037	0.037	0.000	0.000	0.000	0.000	0.000	0.000	0.037
Steele City	NE	Greeley*	703.621	703.819	0.199	NE077	Valentine fine sand, rolling and hilly	0.099	0.099	0.000	0.000	0.000	0.000	0.000	0.000	0.099
Steele City	NE	Greeley*	703.819	703.869	0.049	NE077	Valentine fine sand, rolling	0.049	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.049
Steele City	NE	Greeley*	703.869	703.999	0.131	NE077	Valentine fine sand, rolling and hilly	0.065	0.065	0.000	0.000	0.000	0.000	0.000	0.000	0.065
Steele City	NE	Greeley*	703.999	704.345	0.346	NE077	Valentine fine sand, rolling	0.346	0.346	0.000	0.000	0.000	0.000	0.000	0.000	0.346
Steele City	NE	Greeley*	704.345	704.494	0.149	NE077	Valentine fine sand, rolling and hilly	0.074	0.074	0.000	0.000	0.000	0.000	0.000	0.000	0.074
Steele City	NE	Greeley*	704.494	704.625	0.132	NE077	Valentine fine sand, rolling	0.132	0.132	0.000	0.000	0.000	0.000	0.000	0.000	0.132
Steele City	NE	Greeley*	704.625	704.826	0.201	NE077	Valentine fine sand, rolling and hilly	0.100	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.100
Steele City	NE	Greeley*	704.826	704.958	0.132	NE077	Valentine fine sand, rolling	0.132	0.132	0.000	0.000	0.000	0.000	0.000	0.000	0.132
Steele City	NE	Greeley*	704.958	705.064	0.107	NE077	Valentine fine sand, rolling and hilly	0.053	0.053	0.000	0.000	0.000	0.000	0.000	0.000	0.053
Steele City	NE	Greeley*	705.064	705.066	0.002	NE077	Valentine fine sand, rolling	0.002	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.002
Steele City	NE	Greeley*	705.066	705.110	0.044	NE077	Gates-Hersh complex, 0 to 3 percent slopes	0.031	0.000	0.000	0.044	0.000	0.000	0.000	0.000	0.044
Steele City	NE	Greeley*	705.110	705.487	0.377	NE077	Valentine fine sand, rolling	0.377	0.377	0.000	0.000	0.000	0.000	0.000	0.000	0.377
Steele City	NE	Greeley*	705.487	705.639	0.152	NE077	Valentine fine sand, rolling and hilly	0.076	0.076	0.000	0.000	0.000	0.000	0.000	0.000	0.076
Steele City	NE	Greeley*	705.639	705.719	0.080	NE077	Valentine fine sand, rolling	0.080	0.080	0.000	0.000	0.000	0.000	0.000	0.000	0.080
Steele City	NE	Greeley*	705.719	705.922	0.203	NE077	Gates-Hersh complex, 0 to 3 percent slopes	0.142	0.000	0.000	0.203	0.000	0.000	0.000	0.000	0.203
Steele City	NE	Greeley*	705.922	706.219	0.297	NE077	Valentine fine sand, rolling	0.297	0.297	0.000	0.000	0.000	0.000	0.000	0.000	0.297
Steele City	NE	Greeley*	706.219	706.438	0.218	NE077	Valentine fine sand, rolling and hilly	0.109	0.109	0.000	0.000	0.000	0.000	0.000	0.000	0.109
Steele City	NE	Greeley*	706.438	706.552	0.114	NE077	Gates-Hersh complex, 0 to 3 percent slopes	0.080	0.000	0.000	0.114	0.000	0.000	0.000	0.000	0.114
Steele City	NE	Greeley*	706.552	706.595	0.043	NE077	Valentine fine sand, rolling	0.043	0.043	0.000	0.000	0.000	0.000	0.000	0.000	0.043
Steele City	NE	Greeley*	706.595	706.638	0.043	NE077	Gates-Hersh complex, 0 to 3 percent slopes	0.030	0.000	0.000	0.043	0.000	0.000	0.000	0.000	0.043
Steele City	NE	Greeley*	706.638	707.588	0.950	NE077	Valentine fine sand, rolling	0.950	0.950	0.000	0.000	0.000	0.000	0.000	0.000	0.950
Steele City	NE	Greeley*	707.588	707.675	0.086	NE077	Cass fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.086	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Greeley*	707.675	708.186	0.512	NE077	Valentine fine sand, rolling	0.512	0.512	0.000	0.000	0.000	0.000	0.000	0.000	0.512
Steele City	NE	Greeley*	708.186	708.203	0.017	NE077	Gates silt loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.017	0.000	0.000	0.000	0.000	0.017
Steele City	NE	Greeley*	708.203	708.385	0.181	NE077	Valentine fine sand, rolling	0.181	0.181	0.000	0.000	0.000	0.000	0.000	0.000	0.181
Steele City	NE	Greeley*	708.385	708.527	0.142	NE077	Valentine loamy fine sand, 3 to 9 percent slopes	0.142	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.142
Steele City	NE	Greeley	708.527	708.544	0.017	NE077	Hersh-Gates complex, 15 to 30 percent slopes	0.000	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.017
Steele City	NE	Greeley	708.544	708.571	0.027	NE077	Kenesaw very fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.027	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Greeley	708.571	708.938	0.367	NE077	Gates silt loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.367	0.000	0.000	0.000	0.000	0.367
Steele City	NE	Greeley	708.938	708.972	0.034	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.034	0.000	0.000	0.000	0.014	0.000	0.000	0.000
Steele City	NE	Greeley	708.972	709.007	0.036	NE077	Coly-Hobbs silt loams, 2 to 60 percent slopes	0.000	0.028	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Greeley	709.007	709.242	0.235	NE077	Hord silt loam, terrace, 1 to 3 percent slopes	0.000	0.000	0.000	0.235	0.002	0.232	0.000	0.000	0.000
Steele City	NE	Greeley	709.242	709.383	0.141	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.141	0.000	0.000	0.000	0.056	0.000	0.000	0.000
Steele City	NE	Greeley	709.383	709.472	0.089	NE077	Hord silt loam, terrace, 1 to 3 percent slopes	0.000	0.000	0.000	0.089	0.001	0.088	0.000	0.000	0.000
Steele City	NE	Greeley	709.472	709.521	0.049	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.049	0.000	0.000	0.000	0.029	0.000	0.000	0.000
Steele City	NE	Greeley	709.521	709.644	0.124	NE077	Hord silt loam, terrace, 1 to 3 percent slopes	0.000	0.000	0.000	0.124	0.001	0.122	0.000	0.000	0.000
Steele City	NE	Greeley	709.644	709.694	0.049	NE077	Hobbs silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.049	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Greeley	709.694	709.723	0.029	NE077	Hord silt loam, terrace, 1 to 3 percent slopes	0.000	0.000	0.000	0.029	0.000	0.029	0.000	0.000	0.000
Steele City	NE	Greeley	709.723	709.994	0.270	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.270	0.000	0.000	0.000	0.108	0.000	0.000	0.000
Steele City	NE	Greeley	709.994	710.165	0.171	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.171	0.000	0.000	0.000	0.103	0.000	0.000	0.000
Steele City	NE	Greeley	710.165	710.225	0.060	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.060	0.000	0.000	0.000	0.024	0.000	0.000	0.000
Steele City	NE	Greeley	710.225	710.273	0.048	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.048	0.000	0.000	0.000	0.026	0.000	0.000	0.000
Steele City	NE	Greeley	710.273	710.293	0.020	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.020	0.000	0.000	0.000	0.008	0.000	0.000	0.000
Steele City	NE	Greeley	710.293	710.323	0.030	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.030	0.000	0.000	0.000	0.018	0.000	0.000	0.000
Steele City	NE	Greeley	710.323	710.334	0.011	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.011	0.000	0.000	0.000	0.004	0.000	0.000	0.000
Steele City	NE	Greeley	710.334	710.393	0.059	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.059	0.000	0.000	0.000	0.033	0.000	0.000	0.000
Steele City	NE	Greeley	710.393	710.584	0.191	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.191	0.000	0.000	0.000	0.115	0.000	0.000	0.000
Steele City	NE	Greeley	710.584	710.618	0.033	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.033	0.000	0.000	0.000	0.018	0.000	0.000	0.000
Steele City	NE	Greeley	710.618	710.627	0.009	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.009	0.000	0.000	0.000	0.006	0.000	0.000	0.000
Steele City	NE	Greeley	710.627	710.818	0.191	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.191	0.000	0.000	0.000	0.105	0.000	0.000	0.000
Steele City	NE	Greeley	710.818	711.218	0.400	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.400	0.000	0.000	0.000	0.240	0.000	0.000	0.000
Steele City	NE	Greeley	711.218	711.316	0.098	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.098	0.000	0.000	0.000	0.039	0.000	0.000	0.000
Steele City	NE	Greeley	711.316	711.418	0.102	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.102	0.000	0.000	0.000	0.056	0.000	0.000	0.000
Steele City	NE	Greeley	711.418	711.488	0.070	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.070	0.000	0.000	0.000	0.042	0.000	0.000	0.000
Steele City	NE	Greeley	711.488	711.546	0.058	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.058	0.000	0.000	0.000	0.032	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Greeley	711.546	711.560	0.014	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.014	0.000	0.000	0.000	0.009	0.000	0.000	0.000
Steele City	NE	Greeley	711.560	711.590	0.030	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.030	0.000	0.000	0.000	0.016	0.000	0.000	0.000
Steele City	NE	Greeley	711.590	711.646	0.056	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.056	0.000	0.000	0.000	0.034	0.000	0.000	0.000
Steele City	NE	Greeley	711.646	711.723	0.077	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.077	0.000	0.000	0.000	0.042	0.000	0.000	0.000
Steele City	NE	Greeley	711.723	711.759	0.035	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.035	0.000	0.000	0.000	0.021	0.000	0.000	0.000
Steele City	NE	Greeley	711.759	712.115	0.356	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.356	0.000	0.000	0.000	0.196	0.000	0.000	0.000
Steele City	NE	Greeley	712.115	712.195	0.081	NE077	Holdrege silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.081	0.000	0.081	0.000	0.000	0.000
Steele City	NE	Greeley	712.195	712.227	0.032	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.032	0.000	0.000	0.000	0.018	0.000	0.000	0.000
Steele City	NE	Greeley	712.227	712.298	0.071	NE077	Holdrege silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.071	0.000	0.071	0.000	0.000	0.000
Steele City	NE	Greeley	712.298	712.361	0.063	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.063	0.000	0.000	0.000	0.035	0.000	0.000	0.000
Steele City	NE	Greeley	712.361	712.461	0.099	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.099	0.000	0.000	0.000	0.040	0.000	0.000	0.000
Steele City	NE	Greeley	712.461	712.477	0.016	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.016	0.000	0.000	0.000	0.009	0.000	0.000	0.000
Steele City	NE	Greeley	712.477	712.531	0.054	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.054	0.000	0.000	0.000	0.022	0.000	0.000	0.000
Steele City	NE	Greeley	712.531	712.872	0.341	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.341	0.000	0.000	0.000	0.188	0.000	0.000	0.000
Steele City	NE	Greeley	712.872	712.945	0.073	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.073	0.000	0.000	0.000	0.029	0.000	0.000	0.000
Steele City	NE	Greeley	712.945	713.183	0.238	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.238	0.000	0.000	0.000	0.131	0.000	0.000	0.000
Steele City	NE	Greeley	713.183	713.263	0.080	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.080	0.000	0.000	0.000	0.080	0.000	0.000	0.000
Steele City	NE	Greeley	713.263	713.265	0.003	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.003	0.000	0.000	0.000	0.001	0.000	0.000	0.000
Steele City	NE	Greeley	713.265	713.326	0.060	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.060	0.000	0.000	0.000	0.060	0.000	0.000	0.000
Steele City	NE	Greeley	713.326	713.524	0.199	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.199	0.000	0.000	0.000	0.109	0.000	0.000	0.000
Steele City	NE	Greeley	713.524	713.648	0.124	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.124	0.000	0.000	0.000	0.124	0.000	0.000	0.000
Steele City	NE	Greeley	713.648	713.781	0.132	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.132	0.000	0.000	0.000	0.073	0.000	0.000	0.000
Steele City	NE	Greeley	713.781	713.854	0.073	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.073	0.000	0.000	0.000	0.073	0.000	0.000	0.000
Steele City	NE	Greeley	713.854	714.084	0.230	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.230	0.000	0.000	0.000	0.127	0.000	0.000	0.000
Steele City	NE	Greeley	714.084	714.144	0.059	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.059	0.000	0.000	0.000	0.059	0.000	0.000	0.000
Steele City	NE	Greeley	714.144	714.204	0.060	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.060	0.000	0.000	0.000	0.033	0.000	0.000	0.000
Steele City	NE	Greeley	714.204	714.382	0.178	NE077	Hall silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.178	0.004	0.178	0.000	0.000	0.000
Steele City	NE	Greeley	714.382	714.435	0.053	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.053	0.000	0.000	0.000	0.029	0.000	0.000	0.000
Steele City	NE	Greeley	714.435	714.484	0.049	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.049	0.000	0.000	0.000	0.049	0.000	0.000	0.000
Steele City	NE	Greeley	714.484	714.648	0.163	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.163	0.000	0.000	0.000	0.090	0.000	0.000	0.000
Steele City	NE	Greeley	714.648	714.683	0.035	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.035	0.000	0.000	0.000	0.035	0.000	0.000	0.000
Steele City	NE	Greeley	714.683	714.719	0.036	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.036	0.000	0.000	0.000	0.020	0.000	0.000	0.000
Steele City	NE	Greeley	714.719	714.764	0.044	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.044	0.000	0.000	0.000	0.044	0.000	0.000	0.000
Steele City	NE	Greeley	714.764	714.883	0.120	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.120	0.000	0.000	0.000	0.066	0.000	0.000	0.000
Steele City	NE	Greeley	714.883	715.058	0.174	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.174	0.000	0.000	0.000	0.174	0.000	0.000	0.000
Steele City	NE	Greeley	715.058	715.107	0.049	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.049	0.000	0.000	0.000	0.027	0.000	0.000	0.000
Steele City	NE	Greeley	715.107	715.177	0.070	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.070	0.000	0.000	0.000	0.042	0.000	0.000	0.000
Steele City	NE	Greeley	715.177	715.290	0.113	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.113	0.000	0.000	0.000	0.045	0.000	0.000	0.000
Steele City	NE	Greeley	715.290	715.333	0.042	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.042	0.000	0.000	0.000	0.042	0.000	0.000	0.000
Steele City	NE	Greeley	715.333	715.413	0.080	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.080	0.000	0.000	0.000	0.044	0.000	0.000	0.000
Steele City	NE	Greeley	715.413	715.458	0.045	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.045	0.000	0.000	0.000	0.045	0.000	0.000	0.000
Steele City	NE	Greeley	715.458	715.554	0.095	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.095	0.000	0.000	0.000	0.053	0.000	0.000	0.000
Steele City	NE	Greeley	715.554	715.628	0.074	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.074	0.000	0.000	0.000	0.044	0.000	0.000	0.000
Steele City	NE	Greeley	715.628	715.658	0.030	NE077	Hall silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.030	0.001	0.030	0.000	0.000	0.000
Steele City	NE	Greeley	715.658	715.687	0.029	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.029	0.000	0.000	0.000	0.017	0.000	0.000	0.000
Steele City	NE	Greeley	715.687	715.739	0.052	NE077	Uly silt loam, 11 to 17 percent slopes	0.000	0.052	0.000	0.000	0.000	0.052	0.000	0.000	0.000
Steele City	NE	Greeley	715.739	715.817	0.078	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.078	0.000	0.000	0.000	0.043	0.000	0.000	0.000
Steele City	NE	Greeley	715.817	715.830	0.013	NE077	Holdrege silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.013	0.000	0.013	0.000	0.000	0.000
Steele City	NE	Greeley	715.830	715.851	0.021	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.021	0.000	0.000	0.000	0.012	0.000	0.000	0.000
Steele City	NE	Greeley	715.851	715.927	0.076	NE077	Holdrege silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.076	0.000	0.076	0.000	0.000	0.000
Steele City	NE	Greeley	715.927	715.994	0.067	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.067	0.000	0.000	0.000	0.037	0.000	0.000	0.000
Steele City	NE	Greeley	715.994	715.997	0.003	NE077	Holdrege silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.003	0.000	0.003	0.000	0.000	0.000
Steele City	NE	Greeley	715.997	716.059	0.062	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.062	0.000	0.000	0.000	0.034	0.000	0.000	0.000
Steele City	NE	Greeley	716.059	716.081	0.021	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.021	0.000	0.000	0.000	0.009	0.000	0.000	0.000
Steele City	NE	Greeley	716.081	716.155	0.074	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.074	0.000	0.000	0.000	0.041	0.000	0.000	0.000
Steele City	NE	Greeley	716.155	716.247	0.092	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.092	0.000	0.000	0.000	0.037	0.000	0.000	0.000
Steele City	NE	Greeley	716.247	716.346	0.099	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.099	0.000	0.000	0.000	0.054	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Greeley	716.346	716.399	0.054	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.054	0.000	0.000	0.000	0.022	0.000	0.000	0.000
Steele City	NE	Greeley	716.399	716.451	0.052	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.052	0.000	0.000	0.000	0.029	0.000	0.000	0.000
Steele City	NE	Greeley	716.451	716.491	0.040	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.040	0.000	0.000	0.000	0.024	0.000	0.000	0.000
Steele City	NE	Greeley	716.491	716.526	0.035	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.035	0.000	0.000	0.000	0.019	0.000	0.000	0.000
Steele City	NE	Greeley	716.526	716.555	0.029	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.029	0.000	0.000	0.000	0.018	0.000	0.000	0.000
Steele City	NE	Greeley	716.555	716.610	0.055	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.055	0.000	0.000	0.000	0.030	0.000	0.000	0.000
Steele City	NE	Greeley	716.610	716.657	0.047	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.047	0.000	0.000	0.000	0.028	0.000	0.000	0.000
Steele City	NE	Greeley	716.657	716.726	0.069	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.069	0.000	0.000	0.000	0.038	0.000	0.000	0.000
Steele City	NE	Greeley	716.726	716.810	0.084	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.084	0.000	0.000	0.000	0.034	0.000	0.000	0.000
Steele City	NE	Greeley	716.810	716.881	0.071	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.071	0.000	0.000	0.000	0.039	0.000	0.000	0.000
Steele City	NE	Greeley	716.881	716.911	0.031	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.031	0.000	0.000	0.000	0.012	0.000	0.000	0.000
Steele City	NE	Greeley	716.911	716.959	0.048	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.048	0.000	0.000	0.000	0.026	0.000	0.000	0.000
Steele City	NE	Greeley	716.959	717.010	0.050	NE077	Uly silt loam, 11 to 17 percent slopes	0.000	0.050	0.000	0.000	0.000	0.050	0.000	0.000	0.000
Steele City	NE	Greeley	717.010	717.046	0.036	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.036	0.000	0.000	0.000	0.036	0.000	0.000	0.000
Steele City	NE	Greeley	717.046	717.127	0.081	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.081	0.000	0.000	0.000	0.044	0.000	0.000	0.000
Steele City	NE	Greeley	717.127	717.220	0.093	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.093	0.000	0.000	0.000	0.093	0.000	0.000	0.000
Steele City	NE	Greeley	717.220	717.365	0.145	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.145	0.000	0.000	0.000	0.080	0.000	0.000	0.000
Steele City	NE	Greeley	717.365	717.457	0.092	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.092	0.000	0.000	0.000	0.037	0.000	0.000	0.000
Steele City	NE	Greeley	717.457	717.512	0.055	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.055	0.000	0.000	0.000	0.033	0.000	0.000	0.000
Steele City	NE	Greeley	717.512	717.700	0.189	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.189	0.000	0.000	0.000	0.075	0.000	0.000	0.000
Steele City	NE	Greeley	717.700	717.800	0.100	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.100	0.000	0.000	0.000	0.060	0.000	0.000	0.000
Steele City	NE	Greeley	717.800	717.887	0.086	NE077	Hobbs silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.086	0.001	0.000	0.000	0.000	0.000
Steele City	NE	Greeley	717.887	718.010	0.124	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.124	0.000	0.000	0.000	0.124	0.000	0.000	0.000
Steele City	NE	Greeley	718.010	718.043	0.032	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.032	0.000	0.000	0.000	0.013	0.000	0.000	0.000
Steele City	NE	Greeley	718.043	718.140	0.097	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.097	0.000	0.000	0.000	0.097	0.000	0.000	0.000
Steele City	NE	Greeley	718.140	718.234	0.094	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.094	0.000	0.000	0.000	0.038	0.000	0.000	0.000
Steele City	NE	Greeley	718.234	718.271	0.037	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.037	0.000	0.000	0.000	0.022	0.000	0.000	0.000
Steele City	NE	Greeley	718.271	718.346	0.076	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.076	0.000	0.000	0.000	0.030	0.000	0.000	0.000
Steele City	NE	Greeley	718.346	718.398	0.052	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.052	0.000	0.000	0.000	0.031	0.000	0.000	0.000
Steele City	NE	Greeley	718.398	718.460	0.062	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.062	0.000	0.000	0.000	0.025	0.000	0.000	0.000
Steele City	NE	Greeley	718.460	718.508	0.048	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.048	0.000	0.000	0.000	0.029	0.000	0.000	0.000
Steele City	NE	Greeley	718.508	718.560	0.052	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.052	0.000	0.000	0.000	0.021	0.000	0.000	0.000
Steele City	NE	Greeley	718.560	718.611	0.051	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.051	0.000	0.000	0.000	0.051	0.000	0.000	0.000
Steele City	NE	Greeley	718.611	718.717	0.106	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.106	0.000	0.000	0.000	0.042	0.000	0.000	0.000
Steele City	NE	Greeley	718.717	718.765	0.048	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.048	0.000	0.000	0.000	0.029	0.000	0.000	0.000
Steele City	NE	Greeley	718.765	718.825	0.060	NE077	Holdrege silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.060	0.000	0.060	0.000	0.000	0.000
Steele City	NE	Greeley	718.825	718.900	0.074	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.074	0.000	0.000	0.000	0.045	0.000	0.000	0.000
Steele City	NE	Greeley	718.900	718.935	0.036	NE077	Holdrege silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.036	0.000	0.036	0.000	0.000	0.000
Steele City	NE	Greeley	718.935	719.107	0.171	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.171	0.000	0.000	0.000	0.103	0.000	0.000	0.000
Steele City	NE	Greeley	719.107	719.411	0.304	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.304	0.000	0.000	0.000	0.122	0.000	0.000	0.000
Steele City	NE	Greeley	719.411	719.575	0.164	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.164	0.000	0.000	0.000	0.099	0.000	0.000	0.000
Steele City	NE	Greeley	719.575	719.670	0.094	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.094	0.000	0.000	0.000	0.052	0.000	0.000	0.000
Steele City	NE	Greeley	719.670	719.871	0.201	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.201	0.000	0.000	0.000	0.121	0.000	0.000	0.000
Steele City	NE	Greeley	719.871	719.896	0.025	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.025	0.000	0.000	0.000	0.010	0.000	0.000	0.000
Steele City	NE	Greeley	719.896	720.382	0.485	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.485	0.000	0.000	0.000	0.291	0.000	0.000	0.000
Steele City	NE	Greeley	720.382	720.544	0.163	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.163	0.000	0.000	0.000	0.065	0.000	0.000	0.000
Steele City	NE	Greeley	720.544	720.626	0.081	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.081	0.000	0.000	0.000	0.045	0.000	0.000	0.000
Steele City	NE	Greeley	720.626	720.643	0.017	NE077	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Greeley	720.643	720.662	0.020	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.020	0.000	0.000	0.000	0.011	0.000	0.000	0.000
Steele City	NE	Greeley	720.662	720.770	0.108	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.108	0.000	0.000	0.000	0.043	0.000	0.000	0.000
Steele City	NE	Greeley	720.770	720.919	0.149	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.149	0.000	0.000	0.000	0.082	0.000	0.000	0.000
Steele City	NE	Greeley	720.919	721.021	0.103	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.103	0.000	0.000	0.000	0.041	0.000	0.000	0.000
Steele City	NE	Greeley	721.021	721.060	0.039	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.039	0.000	0.000	0.000	0.024	0.000	0.000	0.000
Steele City	NE	Greeley	721.060	721.084	0.024	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.024	0.000	0.000	0.000	0.013	0.000	0.000	0.000
Steele City	NE	Greeley	721.084	721.128	0.044	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.044	0.000	0.000	0.000	0.026	0.000	0.000	0.000
Steele City	NE	Greeley	721.128	721.359	0.231	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.231	0.000	0.000	0.000	0.127	0.000	0.000	0.000
Steele City	NE	Boone	721.359	721.374	0.014	NE011	Crofton silt loam, 17 to 30 percent slopes, eroded	0.000	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Boone	721.374	721.438	0.064	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.064	0.000	0.064	0.000	0.064	0.000	0.000	0.000
Steele City	NE	Boone	721.438	721.491	0.053	NE011	Crofton-Nora silt loams, 17 to 30 percent slopes	0.000	0.053	0.000	0.000	0.000	0.021	0.000	0.000	0.000
Steele City	NE	Boone	721.491	721.562	0.072	NE011	Nora silt loam, 7 to 12 percent slopes	0.000	0.072	0.000	0.072	0.000	0.072	0.000	0.000	0.000
Steele City	NE	Boone	721.562	721.641	0.079	NE011	Crofton-Nora silt loams, 17 to 30 percent slopes	0.000	0.079	0.000	0.000	0.000	0.031	0.000	0.000	0.000
Steele City	NE	Boone	721.641	721.806	0.165	NE011	Nora silt loam, 7 to 12 percent slopes	0.000	0.165	0.000	0.165	0.000	0.165	0.000	0.000	0.000
Steele City	NE	Boone	721.806	721.806	0.000	NE011	Crofton-Nora silt loams, 17 to 30 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Boone	721.806	721.860	0.054	NE011	Nora silt loam, 7 to 12 percent slopes	0.000	0.054	0.000	0.054	0.000	0.054	0.000	0.000	0.000
Steele City	NE	Boone	721.860	721.958	0.098	NE011	Crofton-Nora silt loams, 17 to 30 percent slopes	0.000	0.098	0.000	0.000	0.000	0.039	0.000	0.000	0.000
Steele City	NE	Boone	721.958	722.082	0.124	NE011	Nora silt loam, 7 to 12 percent slopes	0.000	0.124	0.000	0.124	0.000	0.124	0.000	0.000	0.000
Steele City	NE	Boone	722.082	722.350	0.268	NE011	Moody silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.268	0.000	0.268	0.000	0.000	0.000
Steele City	NE	Boone	722.350	722.421	0.071	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.071	0.000	0.071	0.000	0.071	0.000	0.000	0.000
Steele City	NE	Boone	722.421	722.458	0.037	NE011	Crofton-Nora silt loams, 12 to 17 percent slopes, eroded	0.000	0.037	0.000	0.000	0.000	0.015	0.000	0.000	0.000
Steele City	NE	Boone	722.458	722.509	0.051	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.051	0.000	0.051	0.000	0.051	0.000	0.000	0.000
Steele City	NE	Boone	722.509	722.528	0.019	NE011	Crofton-Nora silt loams, 12 to 17 percent slopes, eroded	0.000	0.019	0.000	0.000	0.000	0.008	0.000	0.000	0.000
Steele City	NE	Boone	722.528	722.554	0.026	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.026	0.000	0.026	0.000	0.026	0.000	0.000	0.000
Steele City	NE	Boone	722.554	722.579	0.025	NE011	Crofton-Nora silt loams, 12 to 17 percent slopes, eroded	0.000	0.025	0.000	0.000	0.000	0.010	0.000	0.000	0.000
Steele City	NE	Boone	722.579	722.596	0.017	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.017	0.000	0.017	0.000	0.017	0.000	0.000	0.000
Steele City	NE	Boone	722.596	722.616	0.020	NE011	Crofton-Nora silt loams, 12 to 17 percent slopes, eroded	0.000	0.020	0.000	0.000	0.000	0.008	0.000	0.000	0.000
Steele City	NE	Boone	722.616	722.663	0.047	NE011	Crofton silt loam, 17 to 30 percent slopes, eroded	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Boone	722.663	722.688	0.025	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.025	0.000	0.025	0.000	0.025	0.000	0.000	0.000
Steele City	NE	Boone	722.688	722.773	0.084	NE011	Crofton silt loam, 17 to 30 percent slopes, eroded	0.000	0.084	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Boone	722.773	722.827	0.055	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.055	0.000	0.055	0.000	0.055	0.000	0.000	0.000
Steele City	NE	Boone	722.827	722.876	0.049	NE011	Crofton silt loam, 17 to 30 percent slopes, eroded	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Boone	722.876	722.922	0.046	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.046	0.000	0.046	0.000	0.046	0.000	0.000	0.000
Steele City	NE	Boone	722.922	722.944	0.022	NE011	Moody silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.022	0.000	0.022	0.000	0.000	0.000
Steele City	NE	Boone	722.944	722.977	0.033	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.033	0.000	0.033	0.000	0.033	0.000	0.000	0.000
Steele City	NE	Boone	722.977	723.163	0.186	NE011	Crofton-Nora silt loams, 17 to 30 percent slopes	0.000	0.186	0.000	0.000	0.000	0.074	0.000	0.000	0.000
Steele City	NE	Boone	723.163	723.231	0.068	NE011	Crofton silt loam, 17 to 30 percent slopes, eroded	0.000	0.068	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Boone	723.231	723.312	0.081	NE011	Crofton-Nora silt loams, 7 to 12 percent slopes, eroded	0.000	0.081	0.000	0.000	0.000	0.032	0.000	0.000	0.000
Steele City	NE	Boone	723.312	723.511	0.199	NE011	Hord silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.199	0.002	0.197	0.000	0.000	0.000
Steele City	NE	Boone	723.511	723.564	0.053	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.053	0.000	0.053	0.000	0.053	0.000	0.000	0.000
Steele City	NE	Boone	723.564	723.632	0.068	NE011	Hord silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.068	0.001	0.067	0.000	0.000	0.000
Steele City	NE	Boone	723.632	723.953	0.321	NE011	Hord silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.321	0.003	0.318	0.000	0.000	0.000
Steele City	NE	Boone	723.953	723.978	0.024	NE011	Nora silt loam, 7 to 12 percent slopes	0.000	0.024	0.000	0.024	0.000	0.024	0.000	0.000	0.000
Steele City	NE	Boone	723.978	724.032	0.054	NE011	Crofton-Nora silt loams, 17 to 30 percent slopes	0.000	0.054	0.000	0.000	0.000	0.022	0.000	0.000	0.000
Steele City	NE	Boone	724.032	724.053	0.022	NE011	Nora silt loam, 7 to 12 percent slopes	0.000	0.022	0.000	0.022	0.000	0.022	0.000	0.000	0.000
Steele City	NE	Boone	724.053	724.168	0.115	NE011	Hord silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.115	0.001	0.114	0.000	0.000	0.000
Steele City	NE	Boone	724.168	724.201	0.032	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.032	0.000	0.032	0.000	0.032	0.000	0.000	0.000
Steele City	NE	Boone	724.201	724.482	0.281	NE011	Crofton-Nora silt loams, 17 to 30 percent slopes	0.000	0.281	0.000	0.000	0.000	0.112	0.000	0.000	0.000
Steele City	NE	Boone	724.482	724.503	0.021	NE011	Crofton-Nora silt loams, 7 to 12 percent slopes, eroded	0.000	0.021	0.000	0.000	0.000	0.008	0.000	0.000	0.000
Steele City	NE	Boone	724.503	724.566	0.064	NE011	Hord silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.064	0.001	0.063	0.000	0.000	0.000
Steele City	NE	Boone	724.566	724.610	0.044	NE011	Crofton-Nora silt loams, 7 to 12 percent slopes, eroded	0.000	0.044	0.000	0.000	0.000	0.018	0.000	0.000	0.000
Steele City	NE	Boone	724.610	724.616	0.006	NE011	Hord silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.006	0.000	0.006	0.000	0.000	0.000
Steele City	NE	Boone	724.616	724.651	0.035	NE011	Crofton-Nora silt loams, 7 to 12 percent slopes, eroded	0.000	0.035	0.000	0.000	0.000	0.014	0.000	0.000	0.000
Steele City	NE	Boone	724.651	724.697	0.046	NE011	Crofton silt loam, 17 to 30 percent slopes, eroded	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Boone	724.697	724.702	0.005	NE011	Crofton-Nora silt loams, 7 to 12 percent slopes, eroded	0.000	0.005	0.000	0.000	0.000	0.002	0.000	0.000	0.000
Steele City	NE	Boone	724.702	724.768	0.066	NE011	Crofton silt loam, 17 to 30 percent slopes, eroded	0.000	0.066	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	724.768	724.771	0.002	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.002	0.000	0.002	0.000	0.002	0.000	0.000	0.000
Steele City	NE	Nance	724.771	724.948	0.178	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.178	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	724.948	724.972	0.024	NE125	Belfore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.024	0.000	0.024	0.000	0.000	0.000
Steele City	NE	Nance	724.972	724.979	0.007	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	724.979	724.991	0.012	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.012	0.000	0.012	0.000	0.012	0.000	0.000	0.000
Steele City	NE	Nance	724.991	725.085	0.094	NE125	Belfore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.094	0.000	0.094	0.000	0.000	0.000
Steele City	NE	Nance	725.085	725.115	0.030	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	725.115	725.301	0.186	NE125	Belfore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.186	0.000	0.186	0.000	0.000	0.000
Steele City	NE	Nance	725.301	725.316	0.014	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.014	0.000	0.014	0.000	0.014	0.000	0.000	0.000
Steele City	NE	Nance	725.316	725.335	0.020	NE125	Belfore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.020	0.000	0.020	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Nance	725.335	725.350	0.014	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.014	0.000	0.014	0.000	0.014	0.000	0.000	0.000
Steele City	NE	Nance	725.350	725.374	0.024	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.024	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	725.374	725.421	0.047	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.047	0.000	0.047	0.000	0.047	0.000	0.000	0.000
Steele City	NE	Nance	725.421	725.439	0.018	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	725.439	725.453	0.013	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.013	0.000	0.013	0.000	0.013	0.000	0.000	0.000
Steele City	NE	Nance	725.453	725.864	0.412	NE125	Belfore silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.412	0.000	0.412	0.000	0.000	0.000
Steele City	NE	Nance	725.864	725.883	0.019	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.019	0.000	0.019	0.000	0.019	0.000	0.000	0.000
Steele City	NE	Nance	725.883	725.917	0.033	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.033	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	725.917	726.050	0.134	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.134	0.000	0.134	0.000	0.134	0.000	0.000	0.000
Steele City	NE	Nance	726.050	726.083	0.033	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.033	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	726.083	726.138	0.054	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.054	0.000	0.054	0.000	0.054	0.000	0.000	0.000
Steele City	NE	Nance	726.138	726.300	0.162	NE125	Moody-Nora silt loams, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.162	0.000	0.162	0.000	0.000	0.000
Steele City	NE	Nance	726.300	726.452	0.152	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.152	0.000	0.152	0.000	0.152	0.000	0.000	0.000
Steele City	NE	Nance	726.452	726.507	0.056	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.056	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	726.507	726.639	0.132	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.132	0.000	0.132	0.000	0.132	0.000	0.000	0.000
Steele City	NE	Nance	726.639	726.659	0.020	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	726.659	726.748	0.089	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.089	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	726.748	726.918	0.170	NE125	Nora silt loam, 7 to 12 percent slopes	0.000	0.170	0.000	0.170	0.000	0.170	0.000	0.000	0.000
Steele City	NE	Nance	726.918	727.066	0.148	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.148	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	727.066	727.182	0.116	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.116	0.000	0.116	0.000	0.116	0.000	0.000	0.000
Steele City	NE	Nance	727.182	727.346	0.164	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.164	0.000	0.164	0.000	0.164	0.000	0.000	0.000
Steele City	NE	Nance	727.346	727.361	0.015	NE125	Moody-Nora silt loams, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.015	0.000	0.015	0.000	0.000	0.000
Steele City	NE	Nance	727.361	727.421	0.061	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.061	0.000	0.061	0.000	0.061	0.000	0.000	0.000
Steele City	NE	Nance	727.421	727.475	0.054	NE125	Hall silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.054	0.000	0.054	0.000	0.000	0.000
Steele City	NE	Nance	727.475	727.513	0.038	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.038	0.000	0.038	0.000	0.038	0.000	0.000	0.000
Steele City	NE	Nance	727.513	727.554	0.041	NE125	Hall silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.041	0.000	0.041	0.000	0.000	0.000
Steele City	NE	Nance	727.554	727.674	0.120	NE125	Silty alluvial land	0.000	0.000	0.000	0.000	0.001	0.119	0.000	0.000	0.000
Steele City	NE	Nance	727.674	727.702	0.028	NE125	Hall silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.028	0.000	0.028	0.000	0.000	0.000
Steele City	NE	Nance	727.702	727.740	0.038	NE125	Silty alluvial land	0.000	0.000	0.000	0.000	0.000	0.038	0.000	0.000	0.000
Steele City	NE	Nance	727.740	727.762	0.022	NE125	Hall silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.022	0.000	0.022	0.000	0.000	0.000
Steele City	NE	Nance	727.762	727.837	0.074	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.074	0.000	0.074	0.000	0.074	0.000	0.000	0.000
Steele City	NE	Nance	727.837	727.881	0.044	NE125	Hall silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.044	0.000	0.044	0.000	0.000	0.000
Steele City	NE	Nance	727.881	727.932	0.051	NE125	Silty alluvial land	0.000	0.000	0.000	0.000	0.001	0.051	0.000	0.000	0.000
Steele City	NE	Nance	727.932	728.077	0.145	NE125	Hall silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.145	0.000	0.145	0.000	0.000	0.000
Steele City	NE	Nance	728.077	728.113	0.035	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.035	0.000	0.035	0.000	0.035	0.000	0.000	0.000
Steele City	NE	Nance	728.113	728.263	0.150	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.150	0.000	0.150	0.000	0.150	0.000	0.000	0.000
Steele City	NE	Nance	728.263	728.312	0.049	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.049	0.000	0.049	0.000	0.049	0.000	0.000	0.000
Steele City	NE	Nance	728.312	728.392	0.079	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.079	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	728.392	728.418	0.026	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.026	0.000	0.026	0.000	0.026	0.000	0.000	0.000
Steele City	NE	Nance	728.418	728.551	0.133	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.133	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	728.551	728.574	0.023	NE125	Nora silt loam, 7 to 12 percent slopes	0.000	0.023	0.000	0.023	0.000	0.023	0.000	0.000	0.000
Steele City	NE	Nance	728.574	728.584	0.011	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.011	0.000	0.011	0.000	0.011	0.000	0.000	0.000
Steele City	NE	Nance	728.584	728.609	0.025	NE125	Nora silt loam, 7 to 12 percent slopes	0.000	0.025	0.000	0.025	0.000	0.025	0.000	0.000	0.000
Steele City	NE	Nance	728.609	728.664	0.055	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.055	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	728.664	728.729	0.065	NE125	Nora silt loam, 7 to 12 percent slopes	0.000	0.065	0.000	0.065	0.000	0.065	0.000	0.000	0.000
Steele City	NE	Nance	728.729	728.871	0.142	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.142	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	728.871	729.001	0.130	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.130	0.000	0.130	0.000	0.130	0.000	0.000	0.000
Steele City	NE	Nance	729.001	729.067	0.066	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.066	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	729.067	729.228	0.161	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.161	0.000	0.161	0.000	0.161	0.000	0.000	0.000
Steele City	NE	Nance	729.228	729.268	0.040	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.040	0.000	0.040	0.000	0.040	0.000	0.000	0.000
Steele City	NE	Nance	729.268	729.322	0.054	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.054	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	729.322	729.397	0.075	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.075	0.000	0.075	0.000	0.075	0.000	0.000	0.000
Steele City	NE	Nance	729.397	729.405	0.008	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	729.405	729.463	0.058	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.058	0.000	0.058	0.000	0.058	0.000	0.000	0.000
Steele City	NE	Nance	729.463	729.828	0.364	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.364	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	729.828	729.858	0.031	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.031	0.000	0.031	0.000	0.031	0.000	0.000	0.000
Steele City	NE	Nance	729.858	729.875	0.017	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Nance	729.875	730.069	0.194	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.194	0.000	0.194	0.000	0.194	0.000	0.000	0.000
Steele City	NE	Nance	730.069	730.175	0.107	NE125	Crofton silt loam, 12 to 17 percent slopes, severely eroded	0.000	0.107	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	730.175	730.331	0.156	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.156	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	730.331	730.379	0.048	NE125	Nora silt loam, 7 to 12 percent slopes	0.000	0.048	0.000	0.048	0.000	0.048	0.000	0.000	0.000
Steele City	NE	Nance	730.379	730.621	0.242	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.242	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	730.621	730.693	0.072	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.072	0.000	0.072	0.000	0.072	0.000	0.000	0.000
Steele City	NE	Nance	730.693	730.705	0.012	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.012	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	730.705	730.845	0.140	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.140	0.000	0.140	0.000	0.140	0.000	0.000	0.000
Steele City	NE	Nance	730.845	730.861	0.016	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.016	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	730.861	730.934	0.074	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.074	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	730.934	730.952	0.017	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.017	0.000	0.017	0.000	0.017	0.000	0.000	0.000
Steele City	NE	Nance	730.952	731.078	0.126	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.126	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	731.078	731.123	0.045	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.045	0.000	0.045	0.000	0.045	0.000	0.000	0.000
Steele City	NE	Nance	731.123	731.277	0.154	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.154	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	731.277	731.310	0.033	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.033	0.000	0.033	0.000	0.033	0.000	0.000	0.000
Steele City	NE	Nance	731.310	731.335	0.024	NE125	Moody-Nora silt loams, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.024	0.000	0.024	0.000	0.000	0.000
Steele City	NE	Nance	731.335	731.355	0.020	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.020	0.000	0.020	0.000	0.020	0.000	0.000	0.000
Steele City	NE	Nance	731.355	731.375	0.020	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	731.375	731.697	0.322	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.322	0.000	0.322	0.000	0.322	0.000	0.000	0.000
Steele City	NE	Nance	731.697	731.724	0.028	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.028	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	731.724	731.751	0.027	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.027	0.000	0.027	0.000	0.027	0.000	0.000	0.000
Steele City	NE	Nance	731.751	731.972	0.221	NE125	Belfore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.221	0.000	0.221	0.000	0.000	0.000
Steele City	NE	Nance	731.972	732.149	0.177	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.177	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	732.149	732.272	0.123	NE125	Belfore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.123	0.000	0.123	0.000	0.000	0.000
Steele City	NE	Nance	732.272	732.870	0.597	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.597	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	732.870	732.948	0.079	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.079	0.000	0.079	0.000	0.079	0.000	0.000	0.000
Steele City	NE	Nance	732.948	733.071	0.122	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.122	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	733.071	733.236	0.165	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.165	0.000	0.165	0.000	0.165	0.000	0.000	0.000
Steele City	NE	Nance	733.236	733.289	0.054	NE125	Crofton silt loam, 12 to 17 percent slopes, severely eroded	0.000	0.054	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	733.289	733.365	0.075	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.075	0.000	0.075	0.000	0.075	0.000	0.000	0.000
Steele City	NE	Nance	733.365	733.387	0.023	NE125	Crofton silt loam, 12 to 17 percent slopes, severely eroded	0.000	0.023	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	733.387	733.744	0.357	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.357	0.000	0.357	0.000	0.357	0.000	0.000	0.000
Steele City	NE	Nance	733.744	733.812	0.067	NE125	Nora-Crofton silt loams, 12 to 17 percent slopes, severely eroded	0.000	0.067	0.000	0.000	0.000	0.040	0.000	0.000	0.000
Steele City	NE	Nance	733.812	733.835	0.023	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.023	0.000	0.023	0.000	0.023	0.000	0.000	0.000
Steele City	NE	Nance	733.835	733.859	0.024	NE125	Nora-Crofton silt loams, 12 to 17 percent slopes, severely eroded	0.000	0.024	0.000	0.000	0.000	0.014	0.000	0.000	0.000
Steele City	NE	Nance	733.859	733.868	0.009	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.009	0.000	0.009	0.000	0.009	0.000	0.000	0.000
Steele City	NE	Nance	733.868	733.991	0.123	NE125	Belfore silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.123	0.000	0.123	0.000	0.000	0.000
Steele City	NE	Nance	733.991	734.018	0.028	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.028	0.000	0.028	0.000	0.028	0.000	0.000	0.000
Steele City	NE	Nance	734.018	734.394	0.375	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.375	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	734.394	734.658	0.264	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.264	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	734.658	734.797	0.139	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.139	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	734.797	735.211	0.414	NE125	Belfore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.414	0.000	0.414	0.000	0.000	0.000
Steele City	NE	Nance	735.211	735.317	0.106	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.106	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	735.317	735.329	0.013	NE125	Belfore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.013	0.000	0.013	0.000	0.000	0.000
Steele City	NE	Nance	735.329	735.374	0.045	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	735.374	735.480	0.106	NE125	Belfore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.106	0.000	0.106	0.000	0.000	0.000
Steele City	NE	Nance	735.480	735.729	0.249	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.249	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	735.729	735.899	0.170	NE125	Belfore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.170	0.000	0.170	0.000	0.000	0.000
Steele City	NE	Nance	735.899	735.936	0.036	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.036	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	735.936	736.469	0.534	NE125	Belfore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.534	0.000	0.534	0.000	0.000	0.000
Steele City	NE	Nance	736.469	736.504	0.035	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.035	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	736.504	736.534	0.030	NE125	Belfore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.030	0.000	0.030	0.000	0.000	0.000
Steele City	NE	Nance	736.534	736.563	0.029	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.029	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	736.563	736.611	0.048	NE125	Belfore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.048	0.000	0.048	0.000	0.000	0.000
Steele City	NE	Nance	736.611	736.621	0.010	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	736.621	736.756	0.135	NE125	Belfore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.135	0.000	0.135	0.000	0.000	0.000
Steele City	NE	Nance	736.756	736.882	0.127	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.127	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Nance	736.882	737.066	0.183	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.183	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	737.066	737.309	0.243	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.243	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	737.309	737.343	0.034	NE125	Nora silt loam, 7 to 12 percent slopes	0.000	0.034	0.000	0.034	0.000	0.034	0.000	0.000	0.000
Steele City	NE	Nance	737.343	737.419	0.077	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.077	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	737.419	737.594	0.174	NE125	Nora silt loam, 7 to 12 percent slopes	0.000	0.174	0.000	0.174	0.000	0.174	0.000	0.000	0.000
Steele City	NE	Nance	737.594	737.686	0.092	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.092	0.000	0.092	0.000	0.092	0.000	0.000	0.000
Steele City	NE	Nance	737.686	737.800	0.114	NE125	Belfore silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.114	0.000	0.114	0.000	0.000	0.000
Steele City	NE	Nance	737.800	737.943	0.144	NE125	Hall silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.144	0.000	0.144	0.000	0.000	0.000
Steele City	NE	Nance	737.943	738.267	0.324	NE125	McPaul silt loam	0.000	0.000	0.000	0.324	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	738.267	739.555	1.287	NE125	Hall silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	1.287	0.000	1.287	0.000	0.000	0.000
Steele City	NE	Nance	739.555	739.701	0.146	NE125	Very sandy alluvial land	0.000	0.000	0.000	0.000	0.146	0.000	0.146	0.000	0.000
Steele City	NE	Nance	739.701	739.865	0.164	NE125	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	739.865	739.956	0.091	NE125	Riverwash	0.000	0.000	0.000	0.000	0.091	0.000	0.091	0.000	0.000
Steele City	NE	Nance	739.956	740.317	0.361	NE125	Very sandy alluvial land	0.000	0.000	0.000	0.000	0.361	0.000	0.361	0.000	0.000
Steele City	NE	Nance	740.317	740.627	0.310	NE125	Newman loamy fine sand, 1 to 3 percent slopes, eroded	0.307	0.000	0.000	0.310	0.003	0.000	0.000	0.000	0.307
Steele City	NE	Nance	740.627	740.646	0.020	NE125	Aquolls	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000
Steele City	NE	Nance	740.646	740.768	0.122	NE125	Newman loamy fine sand, 1 to 3 percent slopes, eroded	0.120	0.000	0.000	0.122	0.001	0.000	0.000	0.000	0.120
Steele City	NE	Nance	740.768	740.881	0.114	NE125	Cass fine sandy loam	0.000	0.000	0.000	0.114	0.001	0.000	0.000	0.000	0.112
Steele City	NE	Nance	740.881	740.910	0.028	NE125	Newman loamy fine sand, 1 to 3 percent slopes	0.028	0.000	0.000	0.028	0.000	0.000	0.000	0.000	0.028
Steele City	NE	Nance	740.910	740.977	0.068	NE125	Rauville soils	0.000	0.000	0.000	0.000	0.068	0.068	0.000	0.000	0.000
Steele City	NE	Nance	740.977	741.167	0.189	NE125	Ortello fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.189	0.000	0.000	0.000	0.000	0.189
Steele City	NE	Nance	741.167	741.294	0.128	NE125	Ortello very fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.128	0.001	0.000	0.000	0.000	0.126
Steele City	NE	Nance	741.294	741.698	0.403	NE125	Hord very fine sandy loam, imperfectly drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.403	0.004	0.399	0.000	0.000	0.000
Steele City	NE	Nance	741.698	741.714	0.016	NE125	Hord very fine sandy loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.016	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	741.714	741.758	0.044	NE125	Hord very fine sandy loam, 3 to 7 percent slopes	0.000	0.000	0.000	0.044	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Nance	741.758	741.900	0.142	NE125	Hord very fine sandy loam, imperfectly drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.142	0.001	0.141	0.000	0.000	0.000
Steele City	NE	Merrick	741.900	742.547	0.647	NE121	Lamo silt loam, wet, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.647	0.647	0.000	0.000	0.000
Steele City	NE	Merrick	742.547	742.631	0.085	NE121	Wann loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.085	0.001	0.084	0.000	0.000	0.000
Steele City	NE	Merrick	742.631	742.833	0.202	NE121	Janude sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.202	0.000	0.000	0.000	0.000	0.202
Steele City	NE	Merrick	742.833	742.989	0.156	NE121	Valentine-Boelus loamy fine sands, 3 to 9 percent slopes	0.202	0.047	0.000	0.000	0.000	0.047	0.000	0.000	0.156
Steele City	NE	Merrick	742.989	743.514	0.525	NE121	Valentine-Boelus loamy fine sands, 0 to 3 percent slopes	0.525	0.000	0.000	0.000	0.000	0.236	0.000	0.000	0.525
Steele City	NE	Merrick	743.514	743.548	0.034	NE121	Valentine-Boelus loamy fine sands, 3 to 9 percent slopes	0.044	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.034
Steele City	NE	Merrick	743.548	743.669	0.122	NE121	Valentine-Boelus loamy fine sands, 0 to 3 percent slopes	0.122	0.000	0.000	0.000	0.000	0.055	0.000	0.000	0.122
Steele City	NE	Merrick	743.669	744.358	0.689	NE121	Valentine-Boelus loamy fine sands, 3 to 9 percent slopes	0.896	0.207	0.000	0.000	0.000	0.207	0.000	0.000	0.689
Steele City	NE	Merrick	744.358	744.541	0.183	NE121	Valentine fine sand, 9 to 20 percent slopes	0.181	0.181	0.000	0.000	0.002	0.000	0.000	0.000	0.181
Steele City	NE	Merrick	744.541	744.877	0.336	NE121	Valentine-Boelus loamy fine sands, 3 to 9 percent slopes	0.436	0.101	0.000	0.000	0.000	0.101	0.000	0.000	0.336
Steele City	NE	Merrick	744.877	745.118	0.241	NE121	Valentine fine sand, 9 to 20 percent slopes	0.239	0.239	0.000	0.000	0.002	0.000	0.000	0.000	0.239
Steele City	NE	Merrick	745.118	745.232	0.114	NE121	Valentine-Boelus loamy fine sands, 3 to 9 percent slopes	0.149	0.034	0.000	0.000	0.000	0.034	0.000	0.000	0.114
Steele City	NE	Merrick	745.232	745.314	0.081	NE121	Thurman loamy fine sand, 3 to 6 percent slopes	0.080	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.080
Steele City	NE	Merrick	745.314	745.491	0.178	NE121	Valentine-Boelus loamy fine sands, 3 to 9 percent slopes	0.231	0.053	0.000	0.000	0.000	0.053	0.000	0.000	0.178
Steele City	NE	Merrick	745.491	745.770	0.278	NE121	Libory loamy fine sand, 0 to 3 percent slopes	0.275	0.000	0.000	0.278	0.003	0.275	0.000	0.000	0.275
Steele City	NE	Merrick	745.770	745.803	0.033	NE121	Ipage loamy fine sand, 0 to 2 percent slopes	0.033	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.033
Steele City	NE	Merrick	745.803	745.889	0.087	NE121	Libory loamy fine sand, 0 to 3 percent slopes	0.086	0.000	0.000	0.087	0.001	0.086	0.000	0.000	0.086
Steele City	NE	Merrick	745.889	745.988	0.098	NE121	Ipage loamy fine sand, 0 to 2 percent slopes	0.098	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.098
Steele City	NE	Merrick	745.988	746.153	0.166	NE121	Novina sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.166	0.002	0.000	0.000	0.000	0.000
Steele City	NE	Merrick	746.153	746.229	0.076	NE121	Platte-Gothenburg complex, channeled, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.034	0.000	0.076	0.000	0.000
Steele City	NE	Merrick	746.229	746.289	0.060	NE121	Wann loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.060	0.001	0.059	0.000	0.000	0.000
Steele City	NE	Merrick	746.289	746.324	0.035	NE121	Leshara silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.035	0.000	0.000	0.035	0.000	0.000
Steele City	NE	Merrick	746.324	746.689	0.365	NE121	Lockton loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.365	0.000	0.000	0.365	0.000	0.365
Steele City	NE	Merrick	746.689	746.733	0.044	NE121	Lex clay loam, 0 to 1 percent slopes	0.000	0.000	0.043	0.044	0.000	0.043	0.043	0.000	0.000
Steele City	NE	Merrick	746.733	746.858	0.125	NE121	Lockton loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.125	0.000	0.000	0.125	0.000	0.125
Steele City	NE	Merrick	746.858	747.149	0.291	NE121	O'Neill loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.291	0.000	0.291
Steele City	NE	Merrick	747.149	747.337	0.188	NE121	Blendon fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.188	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Merrick	747.337	747.387	0.051	NE121	O'Neill loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.051	0.000	0.051
Steele City	NE	Merrick	747.387	747.565	0.177	NE121	Blendon fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.177	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Merrick	747.565	747.612	0.047	NE121	O'Neill sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.047	0.000	0.000	0.047	0.000	0.047
Steele City	NE	Merrick	747.612	747.737	0.125	NE121	Valentine loamy fine sand, 0 to 3 percent slopes	0.125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.125

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Merrick	747.737	748.309	0.572	NE121	O'Neill sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.572	0.000	0.000	0.572	0.000	0.572
Steele City	NE	Merrick	748.309	748.411	0.102	NE121	Blendon fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.102	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Merrick	748.411	748.605	0.194	NE121	O'Neill sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.194	0.000	0.000	0.194	0.000	0.194
Steele City	NE	Merrick	748.605	748.661	0.056	NE121	Blendon fine sandy loam, 2 to 6 percent slopes	0.000	0.000	0.000	0.056	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Merrick	748.661	748.907	0.246	NE121	Wann loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.246	0.002	0.244	0.000	0.000	0.000
Steele City	NE	Merrick	748.907	749.033	0.126	NE121	Gibbon loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.126	0.006	0.120	0.006	0.000	0.000
Steele City	NE	Merrick	749.033	749.064	0.030	NE121	Lamo-Saltine complex, 0 to 1 percent slopes	0.000	0.000	0.011	0.000	0.000	0.030	0.000	0.000	0.000
Steele City	NE	Merrick	749.064	749.174	0.110	NE121	Gayville-Caruso complex, 0 to 1 percent slopes	0.000	0.000	0.109	0.000	0.001	0.109	0.000	0.000	0.000
Steele City	NE	Merrick	749.174	749.176	0.002	NE121	Caruso-Gayville complex, 0 to 1 percent slopes	0.000	0.000	0.002	0.000	0.000	0.002	0.000	0.000	0.000
Steele City	NE	Merrick	749.176	749.380	0.204	NE121	Janude sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.204	0.000	0.000	0.000	0.000	0.204
Steele City	NE	Merrick	749.380	749.550	0.170	NE121	Gibbon loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.170	0.009	0.162	0.009	0.000	0.000
Steele City	NE	Merrick	749.550	749.647	0.096	NE121	Caruso-Gayville complex, 0 to 1 percent slopes	0.000	0.000	0.095	0.000	0.001	0.095	0.000	0.000	0.000
Steele City	NE	Merrick	749.647	749.659	0.013	NE121	Gibbon loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.013	0.001	0.012	0.001	0.000	0.000
Steele City	NE	Merrick	749.659	749.771	0.111	NE121	Novina sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.111	0.001	0.000	0.000	0.000	0.000
Steele City	NE	Merrick	749.771	749.771	0.001	NE121	Gibbon loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.001	0.000	0.001	0.000	0.000	0.000
Steele City	NE	Merrick	749.771	749.800	0.029	NE121	Janude sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.029	0.000	0.000	0.000	0.000	0.029
Steele City	NE	Merrick	749.800	749.915	0.115	NE121	Novina sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.115	0.001	0.000	0.000	0.000	0.000
Steele City	NE	Merrick	749.915	749.971	0.055	NE121	Caruso-Gayville complex, 0 to 1 percent slopes	0.000	0.000	0.055	0.000	0.001	0.055	0.000	0.000	0.000
Steele City	NE	Merrick	749.971	750.267	0.297	NE121	Gibbon loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.297	0.015	0.282	0.015	0.000	0.000
Steele City	NE	Merrick	750.267	750.490	0.223	NE121	Lamo clay loam, sandy substratum, 0 to 1 percent slopes	0.000	0.000	0.000	0.223	0.002	0.221	0.221	0.000	0.000
Steele City	NE	Merrick	750.490	750.610	0.119	NE121	Platte loam, wet, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.119	0.000	0.119	0.000	0.000
Steele City	NE	Merrick	750.610	750.879	0.269	NE121	Alda loam, 0 to 1 percent slopes	0.000	0.000	0.267	0.269	0.003	0.000	0.267	0.000	0.000
Steele City	NE	Merrick	750.879	750.934	0.055	NE121	Lex clay loam, 0 to 1 percent slopes	0.000	0.000	0.055	0.055	0.001	0.055	0.055	0.000	0.000
Steele City	NE	Merrick	750.934	751.054	0.119	NE121	Janude sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.119	0.000	0.000	0.000	0.000	0.119
Steele City	NE	Merrick	751.054	751.162	0.109	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.103	0.000	0.000	0.000	0.005	0.000	0.109	0.000	0.103
Steele City	NE	Merrick	751.162	751.196	0.034	NE121	Platte loam, wet, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.034	0.000	0.034	0.000	0.000
Steele City	NE	Merrick	751.196	751.246	0.050	NE121	Fonner sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.001	0.000	0.050	0.000	0.050
Steele City	NE	Merrick	751.246	751.428	0.181	NE121	Platte loam, wet, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.181	0.000	0.181	0.000	0.000
Steele City	NE	Merrick	751.428	751.614	0.186	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.177	0.000	0.000	0.000	0.009	0.000	0.186	0.000	0.177
Steele City	NE	Merrick	751.614	751.705	0.090	NE121	Inavale loamy fine sand, 0 to 3 percent slopes	0.090	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.090
Steele City	NE	Merrick	751.705	751.763	0.059	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.056	0.000	0.000	0.000	0.003	0.000	0.059	0.000	0.056
Steele City	NE	Merrick	751.763	751.796	0.033	NE121	Inavale loamy fine sand, 0 to 3 percent slopes	0.033	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.033
Steele City	NE	Merrick	751.796	751.937	0.141	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.134	0.000	0.000	0.000	0.007	0.000	0.141	0.000	0.134
Steele City	NE	Merrick	751.937	751.977	0.040	NE121	Inavale loamy fine sand, 0 to 3 percent slopes	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040
Steele City	NE	Merrick	751.977	752.861	0.884	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.840	0.000	0.000	0.000	0.044	0.000	0.884	0.000	0.840
Steele City	NE	Merrick	752.861	753.247	0.386	NE121	Lawet variant fine sandy loam, 0 to 1 percent slopes	0.000	0.000	0.386	0.000	0.386	0.386	0.386	0.000	0.000
Steele City	NE	Merrick	753.247	753.311	0.064	NE121	Leshara silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.064	0.001	0.000	0.063	0.000	0.000
Steele City	NE	Merrick	753.311	753.347	0.037	NE121	Alda sandy loam, 0 to 2 percent slopes	0.000	0.000	0.036	0.037	0.000	0.000	0.036	0.000	0.000
Steele City	NE	Merrick	753.347	753.608	0.261	NE121	Fonner sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.003	0.000	0.258	0.000	0.258
Steele City	NE	Merrick	753.608	753.702	0.094	NE121	Janude sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.094	0.000	0.000	0.000	0.000	0.094
Steele City	NE	Merrick	753.702	753.839	0.137	NE121	Leshara silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.137	0.001	0.000	0.135	0.000	0.000
Steele City	NE	Merrick	753.839	753.862	0.023	NE121	Janude sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.023	0.000	0.000	0.000	0.000	0.023
Steele City	NE	Merrick	753.862	753.951	0.090	NE121	Gibbon loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.090	0.004	0.085	0.004	0.000	0.000
Steele City	NE	Merrick	753.951	754.415	0.464	NE121	Lamo clay loam, sandy substratum, 0 to 1 percent slopes	0.000	0.000	0.000	0.464	0.005	0.459	0.459	0.000	0.000
Steele City	NE	Merrick	754.415	754.635	0.220	NE121	Janude sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.220	0.000	0.000	0.000	0.000	0.220
Steele City	NE	Merrick	754.635	754.778	0.143	NE121	Cozad loam, wet substratum, 0 to 1 percent slopes	0.000	0.000	0.000	0.143	0.001	0.000	0.000	0.000	0.000
Steele City	NE	Merrick	754.778	754.840	0.062	NE121	Platte-Gothenburg complex, channeled, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.028	0.000	0.062	0.000	0.000
Steele City	NE	Merrick	754.840	755.186	0.346	NE121	Cozad loam, wet substratum, 0 to 1 percent slopes	0.000	0.000	0.000	0.346	0.003	0.000	0.000	0.000	0.000
Steele City	NE	Merrick	755.186	755.195	0.009	NE121	Janude sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.009	0.000	0.000	0.000	0.000	0.009
Steele City	NE	Merrick	755.195	755.270	0.075	NE121	Alda sandy loam, 0 to 2 percent slopes	0.000	0.000	0.074	0.075	0.001	0.000	0.074	0.000	0.000
Steele City	NE	Merrick	755.270	755.310	0.040	NE121	Gothenburg soils, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.040	0.000	0.040	0.000	0.000
Steele City	NE	Merrick	755.310	755.423	0.113	NE121	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Merrick	755.423	755.474	0.051	NE121	Gothenburg soils, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.051	0.000	0.051	0.000	0.000
Steele City	NE	Merrick	755.474	755.494	0.020	NE121	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Merrick	755.494	755.564	0.070	NE121	Gothenburg soils, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.070	0.000	0.070	0.000	0.000
Steele City	NE	Merrick	755.564	755.577	0.013	NE121	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Merrick	755.577	755.699	0.122	NE121	Gothenburg soils, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.122	0.000	0.122	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Merrick	755.699	755.741	0.042	NE121	Platte loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.002	0.000	0.042	0.000	0.000
Steele City	NE	Merrick	755.741	755.780	0.040	NE121	Alda sandy loam, 0 to 2 percent slopes	0.000	0.000	0.039	0.040	0.000	0.000	0.039	0.000	0.000
Steele City	NE	Merrick	755.780	755.836	0.056	NE121	Inavale loamy fine sand, 0 to 3 percent slopes	0.056	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.056
Steele City	NE	Merrick	755.836	756.038	0.202	NE121	Alda sandy loam, 0 to 2 percent slopes	0.000	0.000	0.200	0.202	0.002	0.000	0.200	0.000	0.000
Steele City	NE	Merrick	756.038	756.113	0.075	NE121	Alda loam, 0 to 1 percent slopes	0.000	0.000	0.074	0.075	0.001	0.000	0.074	0.000	0.000
Steele City	NE	Merrick	756.113	756.157	0.045	NE121	Alda sandy loam, 0 to 2 percent slopes	0.000	0.000	0.044	0.045	0.000	0.000	0.044	0.000	0.000
Steele City	NE	Merrick	756.157	756.267	0.109	NE121	Barney loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.109	0.000	0.109	0.000	0.000
Steele City	NE	Merrick	756.267	756.345	0.078	NE121	Novina sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.078	0.001	0.000	0.000	0.000	0.000
Steele City	NE	Merrick	756.345	756.349	0.004	NE121	Wann sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.004	0.000	0.004	0.000	0.000	0.000
Steele City	NE	Merrick	756.349	756.457	0.108	NE121	Lex loam, 0 to 1 percent slopes	0.000	0.000	0.107	0.108	0.001	0.107	0.107	0.000	0.000
Steele City	NE	Merrick	756.457	756.680	0.224	NE121	Gothenburg soils, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.224	0.000	0.224	0.000	0.000
Steele City	NE	Merrick	756.680	756.802	0.122	NE121	Gravel pit	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Merrick	756.802	756.856	0.053	NE121	Inavale loamy fine sand, 0 to 3 percent slopes	0.053	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.053
Steele City	NE	Merrick	756.856	756.967	0.112	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.106	0.000	0.000	0.000	0.006	0.000	0.112	0.000	0.106
Steele City	NE	Merrick	756.967	757.073	0.106	NE121	Platte loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.005	0.000	0.106	0.000	0.000
Steele City	NE	Merrick	757.073	757.127	0.053	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.051	0.000	0.000	0.000	0.003	0.000	0.053	0.000	0.051
Steele City	NE	Merrick	757.127	757.183	0.056	NE121	Gothenburg soils, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.056	0.000	0.056	0.000	0.000
Steele City	NE	Merrick	757.183	757.335	0.152	NE121	Barney loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.152	0.000	0.152	0.000	0.000
Steele City	NE	Merrick	757.335	757.366	0.031	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.030	0.000	0.000	0.000	0.002	0.000	0.031	0.000	0.030
Steele City	NE	Hamilton	757.366	757.399	0.033	NE081	Fonner variant loamy sand, 0 to 2 percent slopes	0.033	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.033
Steele City	NE	Hamilton	757.399	757.479	0.081	NE081	Platte loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.001	0.000	0.080	0.000	0.000
Steele City	NE	Hamilton	757.479	757.557	0.078	NE081	Alda loam, 0 to 2 percent slopes	0.000	0.000	0.078	0.078	0.000	0.000	0.078	0.000	0.000
Steele City	NE	Hamilton	757.557	757.731	0.174	NE081	Cozad silt loam, wet substratum, 0 to 1 percent slopes	0.000	0.000	0.000	0.174	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Hamilton	757.731	757.735	0.003	NE081	Cozad silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Hamilton	757.735	758.060	0.325	NE081	Hord silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.325	0.000	0.325	0.000	0.000	0.000
Steele City	NE	Hamilton	758.060	758.130	0.070	NE081	Ortello fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.070	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Hamilton	758.130	758.261	0.130	NE081	Thurman fine sandy loam, 11 to 30 percent slopes	0.000	0.130	0.000	0.000	0.000	0.000	0.000	0.000	0.130
Steele City	NE	Hamilton	758.261	758.314	0.054	NE081	Uly silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.054	0.000	0.054	0.000	0.000	0.000
Steele City	NE	Hamilton	758.314	758.472	0.158	NE081	Coly silt loam, 6 to 11 percent slopes, eroded	0.000	0.158	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Hamilton	758.472	758.503	0.030	NE081	Uly silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.030	0.000	0.030	0.000	0.000	0.000
Steele City	NE	Hamilton	758.503	758.585	0.083	NE081	Holder silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.083	0.002	0.083	0.000	0.000	0.000
Steele City	NE	Hamilton	758.585	758.593	0.007	NE081	Uly silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.007	0.000	0.007	0.000	0.000	0.000
Steele City	NE	Hamilton	758.593	758.632	0.040	NE081	Holder silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.040	0.001	0.040	0.000	0.000	0.000
Steele City	NE	Hamilton	758.632	758.659	0.027	NE081	Uly silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.027	0.000	0.027	0.000	0.000	0.000
Steele City	NE	Hamilton	758.659	758.715	0.055	NE081	Coly silt loam, 11 to 30 percent slopes	0.000	0.055	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Hamilton	758.715	758.733	0.019	NE081	Uly silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.019	0.000	0.019	0.000	0.000	0.000
Steele City	NE	Hamilton	758.733	758.784	0.051	NE081	Holder silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.051	0.001	0.051	0.000	0.000	0.000
Steele City	NE	Hamilton	758.784	758.845	0.061	NE081	Coly silt loam, 11 to 30 percent slopes	0.000	0.061	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Hamilton	758.845	758.893	0.047	NE081	Holder silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.047	0.001	0.047	0.000	0.000	0.000
Steele City	NE	Hamilton	758.893	758.931	0.038	NE081	Coly silt loam, 6 to 11 percent slopes, eroded	0.000	0.038	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	Hamilton	758.931	759.464	0.533	NE081	Holder silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.533	0.011	0.533	0.000	0.000	0.000
Steele City	NE	Hamilton	759.464	759.480	0.016	NE081	Holder silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.016	0.000	0.016	0.000	0.000	0.000
Steele City	NE	Hamilton	759.480	760.587	1.107	NE081	Holder silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	1.107	0.022	1.107	0.000	0.000	0.000
Steele City	NE	Hamilton	760.587	760.920	0.333	NE081	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.333	0.007	0.333	0.000	0.000	0.000
Steele City	NE	Hamilton	760.920	760.986	0.066	NE081	Holder silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.066	0.001	0.066	0.000	0.000	0.000
Steele City	NE	Hamilton	760.986	762.199	1.213	NE081	Holder silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	1.213	0.024	1.213	0.000	0.000	0.000
Steele City	NE	Hamilton	762.199	762.469	0.270	NE081	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.270	0.005	0.270	0.000	0.000	0.000
Steele City	NE	Hamilton	762.469	763.408	0.939	NE081	Holder silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.939	0.019	0.939	0.000	0.000	0.000
Steele City	NE	Hamilton	763.408	763.502	0.094	NE081	Holder silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.094	0.002	0.094	0.000	0.000	0.000
Steele City	NE	Hamilton	763.502	763.813	0.311	NE081	Holder silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.311	0.000	0.311	0.000	0.000	0.000
Steele City	NE	Hamilton	763.813	763.825	0.012	NE081	Holder silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.012	0.000	0.012	0.000	0.000	0.000
Steele City	NE	Hamilton	763.825	763.929	0.104	NE081	Hord silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.104	0.000	0.104	0.000	0.000	0.000
Steele City	NE	Hamilton	763.929	764.018	0.089	NE081	Holder silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.089	0.000	0.089	0.000	0.000	0.000
Steele City	NE	Hamilton	764.018	764.103	0.084	NE081	Holder silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.084	0.002	0.084	0.000	0.000	0.000
Steele City	NE	York	764.103	764.282	0.179	NE185	Holder silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.179	0.000	0.179	0.000	0.000	0.000
Steele City	NE	York	764.282	764.393	0.112	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.000	0.000	0.000	0.112	0.000	0.112	0.000	0.000	0.000
Steele City	NE	York	764.393	764.419	0.025	NE185	Silty alluvial land	0.000	0.000	0.000	0.000	0.000	0.025	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	York	764.419	764.621	0.202	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.000	0.000	0.000	0.202	0.000	0.202	0.000	0.000	0.000
Steele City	NE	York	764.621	764.673	0.053	NE185	Silty alluvial land	0.000	0.000	0.000	0.000	0.001	0.052	0.000	0.000	0.000
Steele City	NE	York	764.673	764.781	0.108	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.000	0.000	0.000	0.108	0.000	0.108	0.000	0.000	0.000
Steele City	NE	York	764.781	764.912	0.131	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.131	0.000	0.131	0.000	0.000	0.000
Steele City	NE	York	764.912	766.138	1.226	NE185	Holder silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	1.226	0.025	1.226	0.000	0.000	0.000
Steele City	NE	York	766.138	766.254	0.116	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.116	0.000	0.116	0.000	0.000	0.000
Steele City	NE	York	766.254	766.335	0.081	NE185	Hobbs silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.081	0.000	0.000	0.000	0.000	0.000
Steele City	NE	York	766.335	766.395	0.060	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.060	0.000	0.060	0.000	0.000	0.000
Steele City	NE	York	766.395	766.628	0.233	NE185	Holder silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.233	0.005	0.233	0.000	0.000	0.000
Steele City	NE	York	766.628	766.977	0.348	NE185	Holder silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.348	0.000	0.348	0.000	0.000	0.000
Steele City	NE	York	766.977	767.155	0.179	NE185	Holder silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.179	0.004	0.179	0.000	0.000	0.000
Steele City	NE	York	767.155	767.359	0.204	NE185	Holder silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.204	0.000	0.204	0.000	0.000	0.000
Steele City	NE	York	767.359	767.393	0.034	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.034	0.034	0.000	0.000	0.000
Steele City	NE	York	767.393	767.474	0.081	NE185	Holder silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.081	0.002	0.081	0.000	0.000	0.000
Steele City	NE	York	767.474	767.577	0.103	NE185	Holder silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.103	0.000	0.103	0.000	0.000	0.000
Steele City	NE	York	767.577	767.679	0.102	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.102	0.102	0.000	0.000	0.000
Steele City	NE	York	767.679	767.990	0.312	NE185	Holder silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.312	0.000	0.312	0.000	0.000	0.000
Steele City	NE	York	767.990	768.096	0.106	NE185	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.106	0.000	0.106	0.000	0.000	0.000
Steele City	NE	York	768.096	768.196	0.100	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.000	0.000	0.000	0.100	0.000	0.100	0.000	0.000	0.000
Steele City	NE	York	768.196	768.535	0.339	NE185	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.339	0.017	0.339	0.000	0.000	0.000
Steele City	NE	York	768.535	768.900	0.365	NE185	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.365	0.007	0.365	0.000	0.000	0.000
Steele City	NE	York	768.900	768.975	0.076	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.076	0.076	0.000	0.000	0.000
Steele City	NE	York	768.975	769.118	0.143	NE185	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.143	0.003	0.143	0.000	0.000	0.000
Steele City	NE	York	769.118	769.216	0.098	NE185	Holder silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.098	0.000	0.098	0.000	0.000	0.000
Steele City	NE	York	769.216	769.285	0.069	NE185	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.069	0.001	0.069	0.000	0.000	0.000
Steele City	NE	York	769.285	769.300	0.014	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.000	0.000	0.000	0.014	0.000	0.014	0.000	0.000	0.000
Steele City	NE	York	769.300	769.396	0.096	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.096	0.096	0.000	0.000	0.000
Steele City	NE	York	769.396	769.541	0.146	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.000	0.000	0.000	0.146	0.000	0.146	0.000	0.000	0.000
Steele City	NE	York	769.541	769.710	0.169	NE185	Holder silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.169	0.000	0.169	0.000	0.000	0.000
Steele City	NE	York	769.710	770.286	0.576	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.576	0.012	0.576	0.000	0.000	0.000
Steele City	NE	York	770.286	770.475	0.189	NE185	Holder silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.189	0.000	0.189	0.000	0.000	0.000
Steele City	NE	York	770.475	770.650	0.175	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.175	0.004	0.175	0.000	0.000	0.000
Steele City	NE	York	770.650	770.752	0.101	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.101	0.005	0.101	0.000	0.000	0.000
Steele City	NE	York	770.752	770.852	0.100	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.100	0.002	0.100	0.000	0.000	0.000
Steele City	NE	York	770.852	770.970	0.118	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.118	0.002	0.118	0.000	0.000	0.000
Steele City	NE	York	770.970	772.442	1.472	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	1.472	0.029	1.472	0.000	0.000	0.000
Steele City	NE	York	772.442	772.481	0.039	NE185	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.039	0.002	0.039	0.000	0.000	0.000
Steele City	NE	York	772.481	773.526	1.045	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	1.045	0.021	1.045	0.000	0.000	0.000
Steele City	NE	York	773.526	773.553	0.027	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.027	0.001	0.027	0.000	0.000	0.000
Steele City	NE	York	773.553	773.726	0.173	NE185	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.173	0.000	0.173	0.000	0.000	0.000
Steele City	NE	York	773.726	773.839	0.113	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.000	0.000	0.000	0.113	0.000	0.113	0.000	0.000	0.000
Steele City	NE	York	773.839	774.032	0.193	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.000	0.000	0.000	0.193	0.000	0.193	0.000	0.000	0.000
Steele City	NE	York	774.032	774.181	0.149	NE185	Silty alluvial land	0.000	0.000	0.000	0.000	0.001	0.147	0.000	0.000	0.000
Steele City	NE	York	774.181	774.300	0.119	NE185	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.119	0.000	0.119	0.000	0.000	0.000
Steele City	NE	York	774.300	774.424	0.125	NE185	Uly-Hobbs silt loams, 11 to 30 percent slopes	0.000	0.069	0.000	0.000	0.000	0.069	0.000	0.000	0.000
Steele City	NE	York	774.424	774.491	0.067	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.067	0.000	0.067	0.000	0.000	0.000
Steele City	NE	York	774.491	774.546	0.055	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.055	0.001	0.055	0.000	0.000	0.000
Steele City	NE	York	774.546	774.583	0.038	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.038	0.000	0.038	0.000	0.000	0.000
Steele City	NE	York	774.583	774.630	0.046	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.046	0.001	0.046	0.000	0.000	0.000
Steele City	NE	York	774.630	774.656	0.027	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.027	0.000	0.027	0.000	0.000	0.000
Steele City	NE	York	774.656	774.912	0.256	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.256	0.005	0.256	0.000	0.000	0.000
Steele City	NE	York	774.912	775.033	0.120	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.120	0.000	0.120	0.000	0.000	0.000
Steele City	NE	York	775.033	775.139	0.106	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.106	0.002	0.106	0.000	0.000	0.000
Steele City	NE	York	775.139	775.213	0.075	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.075	0.075	0.000	0.000	0.000
Steele City	NE	York	775.213	775.330	0.117	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.117	0.002	0.117	0.000	0.000	0.000
Steele City	NE	York	775.330	775.399	0.069	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.069	0.001	0.069	0.000	0.000	0.000
Steele City	NE	York	775.399	777.031	1.632	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	1.632	0.033	1.632	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	York	777.031	777.079	0.048	NE185	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.048	0.000	0.048	0.000	0.000	0.000
Steele City	NE	York	777.079	777.117	0.038	NE185	Hastings silt loam, 6 to 11 percent slopes	0.000	0.038	0.000	0.000	0.000	0.038	0.000	0.000	0.000
Steele City	NE	York	777.117	777.164	0.047	NE185	Silty alluvial land	0.000	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000
Steele City	NE	York	777.164	777.206	0.042	NE185	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.042	0.000	0.000	0.000	0.042	0.000	0.000	0.000
Steele City	NE	York	777.206	777.433	0.227	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.227	0.005	0.227	0.000	0.000	0.000
Steele City	NE	York	777.433	777.569	0.136	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.136	0.007	0.136	0.000	0.000	0.000
Steele City	NE	York	777.569	778.425	0.857	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.857	0.017	0.857	0.000	0.000	0.000
Steele City	NE	York	778.425	778.497	0.071	NE185	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.071	0.000	0.000	0.000	0.071	0.000	0.000	0.000
Steele City	NE	York	778.497	778.682	0.185	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.185	0.004	0.185	0.000	0.000	0.000
Steele City	NE	York	778.682	778.795	0.114	NE185	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.114	0.000	0.114	0.000	0.000	0.000
Steele City	NE	York	778.795	778.980	0.184	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.000	0.000	0.000	0.184	0.000	0.184	0.000	0.000	0.000
Steele City	NE	York	778.980	779.281	0.301	NE185	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.301	0.006	0.301	0.000	0.000	0.000
Steele City	NE	York	779.281	779.310	0.029	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.000	0.000	0.000	0.029	0.000	0.029	0.000	0.000	0.000
Steele City	NE	York	779.310	779.393	0.083	NE185	Silty alluvial land	0.000	0.000	0.000	0.000	0.001	0.082	0.000	0.000	0.000
Steele City	NE	York	779.393	779.471	0.077	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.000	0.000	0.000	0.077	0.000	0.077	0.000	0.000	0.000
Steele City	NE	York	779.471	779.538	0.067	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.000	0.000	0.000	0.067	0.000	0.067	0.000	0.000	0.000
Steele City	NE	York	779.538	779.905	0.368	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.368	0.000	0.368	0.000	0.000	0.000
Steele City	NE	York	779.905	780.922	1.017	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	1.017	0.020	1.017	0.000	0.000	0.000
Steele City	NE	York	780.922	780.981	0.059	NE185	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.059	0.000	0.059	0.000	0.000	0.000
Steele City	NE	York	780.981	781.051	0.069	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.000	0.000	0.000	0.069	0.000	0.069	0.000	0.000	0.000
Steele City	NE	York	781.051	781.182	0.131	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.131	0.131	0.000	0.000	0.000
Steele City	NE	York	781.182	781.254	0.073	NE185	Scott silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.073	0.073	0.000	0.000	0.000
Steele City	NE	York	781.254	781.285	0.031	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.031	0.031	0.000	0.000	0.000
Steele City	NE	York	781.285	781.351	0.066	NE185	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.066	0.000	0.066	0.000	0.000	0.000
Steele City	NE	York	781.351	781.479	0.128	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.128	0.003	0.128	0.000	0.000	0.000
Steele City	NE	York	781.479	781.508	0.029	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.029	0.029	0.000	0.000	0.000
Steele City	NE	York	781.508	781.532	0.024	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.000	0.000	0.000	0.024	0.000	0.024	0.000	0.000	0.000
Steele City	NE	York	781.532	781.628	0.096	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.096	0.002	0.096	0.000	0.000	0.000
Steele City	NE	York	781.628	781.656	0.028	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.028	0.001	0.028	0.000	0.000	0.000
Steele City	NE	York	781.656	781.702	0.046	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.046	0.002	0.046	0.000	0.000	0.000
Steele City	NE	York	781.702	781.718	0.015	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.015	0.000	0.015	0.000	0.000	0.000
Steele City	NE	York	781.718	781.807	0.089	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.089	0.002	0.089	0.000	0.000	0.000
Steele City	NE	York	781.807	781.877	0.070	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.070	0.070	0.000	0.000	0.000
Steele City	NE	York	781.877	781.936	0.059	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.059	0.001	0.059	0.000	0.000	0.000
Steele City	NE	York	781.936	781.959	0.023	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.023	0.001	0.023	0.000	0.000	0.000
Steele City	NE	York	781.959	782.021	0.062	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.062	0.062	0.000	0.000	0.000
Steele City	NE	York	782.021	782.052	0.031	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.031	0.002	0.031	0.000	0.000	0.000
Steele City	NE	York	782.052	782.123	0.071	NE185	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.071	0.001	0.071	0.000	0.000	0.000
Steele City	NE	York	782.123	782.209	0.086	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.086	0.002	0.086	0.000	0.000	0.000
Steele City	NE	York	782.209	782.385	0.176	NE185	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.176	0.000	0.176	0.000	0.000	0.000
Steele City	NE	York	782.385	782.424	0.040	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.040	0.001	0.040	0.000	0.000	0.000
Steele City	NE	York	782.424	782.819	0.394	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.394	0.008	0.394	0.000	0.000	0.000
Steele City	NE	York	782.819	782.925	0.107	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.107	0.005	0.107	0.000	0.000	0.000
Steele City	NE	York	782.925	783.689	0.764	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.764	0.015	0.764	0.000	0.000	0.000
Steele City	NE	York	783.689	783.778	0.088	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.088	0.000	0.088	0.000	0.000	0.000
Steele City	NE	York	783.778	783.819	0.041	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.041	0.001	0.041	0.000	0.000	0.000
Steele City	NE	York	783.819	783.895	0.076	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.076	0.000	0.076	0.000	0.000	0.000
Steele City	NE	York	783.895	784.545	0.650	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.650	0.013	0.650	0.000	0.000	0.000
Steele City	NE	York	784.545	784.622	0.077	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.077	0.004	0.077	0.000	0.000	0.000
Steele City	NE	York	784.622	785.196	0.574	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.574	0.011	0.574	0.000	0.000	0.000
Steele City	NE	York	785.196	785.234	0.038	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.038	0.000	0.038	0.000	0.000	0.000
Steele City	NE	York	785.234	785.291	0.057	NE185	Uly-Hobbs silt loams, 11 to 30 percent slopes	0.000	0.031	0.000	0.000	0.000	0.031	0.000	0.000	0.000
Steele City	NE	York	785.291	785.329	0.037	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.037	0.000	0.037	0.000	0.000	0.000
Steele City	NE	York	785.329	785.421	0.093	NE185	Uly-Hobbs silt loams, 11 to 30 percent slopes	0.000	0.051	0.000	0.000	0.000	0.051	0.000	0.000	0.000
Steele City	NE	York	785.421	785.492	0.070	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.070	0.000	0.070	0.000	0.000	0.000
Steele City	NE	York	785.492	785.548	0.056	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.056	0.001	0.056	0.000	0.000	0.000
Steele City	NE	York	785.548	785.631	0.083	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.083	0.002	0.083	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	York	785.631	785.691	0.060	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.060	0.001	0.060	0.000	0.000	0.000
Steele City	NE	York	785.691	785.987	0.296	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.296	0.006	0.296	0.000	0.000	0.000
Steele City	NE	York	785.987	786.067	0.080	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.080	0.000	0.080	0.000	0.000	0.000
Steele City	NE	York	786.067	786.117	0.050	NE185	Uly-Hobbs silt loams, 11 to 30 percent slopes	0.000	0.027	0.000	0.000	0.000	0.027	0.000	0.000	0.000
Steele City	NE	York	786.117	786.261	0.144	NE185	Geary-Hobbs silt loams, 11 to 30 percent slopes	0.000	0.072	0.000	0.000	0.000	0.072	0.000	0.000	0.000
Steele City	NE	York	786.261	786.399	0.138	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.138	0.000	0.138	0.000	0.000	0.000
Steele City	NE	York	786.399	786.532	0.132	NE185	Geary-Hobbs silt loams, 11 to 30 percent slopes	0.000	0.066	0.000	0.000	0.000	0.066	0.000	0.000	0.000
Steele City	NE	York	786.532	786.538	0.007	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.007	0.000	0.007	0.000	0.000	0.000
Steele City	NE	York	786.538	786.608	0.070	NE185	Geary-Hobbs silt loams, 11 to 30 percent slopes	0.000	0.035	0.000	0.000	0.000	0.035	0.000	0.000	0.000
Steele City	NE	York	786.608	786.645	0.037	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.037	0.000	0.037	0.000	0.000	0.000
Steele City	NE	York	786.645	786.801	0.156	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.156	0.003	0.156	0.000	0.000	0.000
Steele City	NE	York	786.801	786.853	0.052	NE185	Geary-Hobbs silt loams, 11 to 30 percent slopes	0.000	0.026	0.000	0.000	0.000	0.026	0.000	0.000	0.000
Steele City	NE	York	786.853	787.107	0.253	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.253	0.005	0.253	0.000	0.000	0.000
Steele City	NE	York	787.107	787.129	0.023	NE185	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.023	0.000	0.023	0.000	0.000	0.000
Steele City	NE	York	787.129	787.330	0.201	NE185	Geary-Hobbs silt loams, 11 to 30 percent slopes	0.000	0.100	0.000	0.000	0.000	0.100	0.000	0.000	0.000
Steele City	NE	York	787.330	787.475	0.145	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.145	0.000	0.145	0.000	0.000	0.000
Steele City	NE	York	787.475	787.660	0.185	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.185	0.004	0.185	0.000	0.000	0.000
Steele City	NE	York	787.660	787.766	0.105	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.105	0.000	0.105	0.000	0.000	0.000
Steele City	NE	York	787.766	787.883	0.117	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.117	0.002	0.117	0.000	0.000	0.000
Steele City	NE	York	787.883	787.927	0.044	NE185	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.044	0.000	0.000	0.000	0.044	0.000	0.000	0.000
Steele City	NE	York	787.927	787.952	0.026	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.026	0.000	0.026	0.000	0.000	0.000
Steele City	NE	York	787.952	788.115	0.163	NE185	Geary-Hobbs silt loams, 11 to 30 percent slopes	0.000	0.081	0.000	0.000	0.000	0.081	0.000	0.000	0.000
Steele City	NE	York	788.115	788.344	0.229	NE185	Geary silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.229	0.000	0.229	0.000	0.000	0.000
Steele City	NE	York	788.344	788.488	0.144	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.000	0.000	0.000	0.144	0.000	0.144	0.000	0.000	0.000
Steele City	NE	York	788.488	788.605	0.116	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.000	0.000	0.000	0.116	0.000	0.116	0.000	0.000	0.000
Steele City	NE	York	788.605	788.659	0.054	NE185	Hobbs silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.054	0.000	0.000	0.000	0.000	0.000
Steele City	NE	York	788.659	788.677	0.018	NE185	Silty alluvial land	0.000	0.000	0.000	0.000	0.000	0.018	0.000	0.000	0.000
Steele City	NE	York	788.677	788.692	0.016	NE185	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Steele City	NE	York	788.692	788.764	0.072	NE185	Silty alluvial land	0.000	0.000	0.000	0.000	0.001	0.071	0.000	0.000	0.000
Steele City	NE	York	788.764	788.824	0.060	NE185	Hobbs silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.060	0.000	0.000	0.000	0.000	0.000
Steele City	NE	York	788.824	788.911	0.087	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.000	0.000	0.000	0.087	0.000	0.087	0.000	0.000	0.000
Steele City	NE	York	788.911	789.006	0.095	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.095	0.000	0.095	0.000	0.000	0.000
Steele City	NE	York	789.006	789.118	0.112	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.000	0.000	0.000	0.112	0.000	0.112	0.000	0.000	0.000
Steele City	NE	York	789.118	789.173	0.055	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.055	0.000	0.055	0.000	0.000	0.000
Steele City	NE	York	789.173	789.342	0.169	NE185	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.169	0.003	0.169	0.000	0.000	0.000
Steele City	NE	York	789.342	789.421	0.079	NE185	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.079	0.004	0.079	0.000	0.000	0.000
Steele City	NE	York	789.421	789.521	0.099	NE185	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.099	0.002	0.099	0.000	0.000	0.000
Steele City	NE	York	789.521	789.570	0.049	NE185	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.049	0.002	0.049	0.000	0.000	0.000
Steele City	NE	York	789.570	789.627	0.057	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.057	0.001	0.057	0.000	0.000	0.000
Steele City	NE	York	789.627	789.661	0.035	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.035	0.001	0.035	0.000	0.000	0.000
Steele City	NE	York	789.661	789.760	0.098	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.098	0.002	0.098	0.000	0.000	0.000
Steele City	NE	York	789.760	789.878	0.118	NE185	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.118	0.006	0.118	0.000	0.000	0.000
Steele City	NE	York	789.878	789.886	0.009	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.009	0.000	0.009	0.000	0.000	0.000
Steele City	NE	York	789.886	790.012	0.126	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.000	0.000	0.000	0.126	0.000	0.126	0.000	0.000	0.000
Steele City	NE	York	790.012	790.130	0.117	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.117	0.000	0.117	0.000	0.000	0.000
Steele City	NE	York	790.130	790.288	0.158	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.158	0.003	0.158	0.000	0.000	0.000
Steele City	NE	York	790.288	790.600	0.312	NE185	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.312	0.000	0.000	0.000	0.312	0.000	0.000	0.000
Steele City	NE	York	790.600	790.619	0.019	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.019	0.000	0.019	0.000	0.000	0.000
Steele City	NE	York	790.619	790.640	0.022	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.022	0.000	0.022	0.000	0.000	0.000
Steele City	NE	York	790.640	790.675	0.034	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.034	0.000	0.034	0.000	0.000	0.000
Steele City	NE	York	790.675	790.851	0.177	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.177	0.004	0.177	0.000	0.000	0.000
Steele City	NE	York	790.851	790.912	0.061	NE185	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.061	0.000	0.061	0.000	0.000	0.000
Steele City	NE	York	790.912	790.976	0.064	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.064	0.001	0.064	0.000	0.000	0.000
Steele City	NE	York	790.976	791.013	0.037	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.037	0.000	0.037	0.000	0.000	0.000
Steele City	NE	York	791.013	791.060	0.047	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.047	0.001	0.047	0.000	0.000	0.000
Steele City	NE	York	791.060	791.126	0.066	NE185	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.066	0.000	0.000	0.000	0.066	0.000	0.000	0.000
Steele City	NE	York	791.126	791.160	0.035	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.035	0.000	0.035	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	York	791.160	791.187	0.026	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.026	0.001	0.026	0.000	0.000	0.000
Steele City	NE	York	791.187	791.227	0.040	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.040	0.000	0.040	0.000	0.000	0.000
Steele City	NE	York	791.227	791.242	0.016	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.016	0.000	0.016	0.000	0.000	0.000
Steele City	NE	York	791.242	791.301	0.059	NE185	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.059	0.000	0.059	0.000	0.000	0.000
Steele City	NE	York	791.301	791.344	0.043	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.043	0.001	0.043	0.000	0.000	0.000
Steele City	NE	York	791.344	791.400	0.056	NE185	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.056	0.000	0.056	0.000	0.000	0.000
Steele City	NE	York	791.400	791.445	0.045	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.045	0.001	0.045	0.000	0.000	0.000
Steele City	NE	York	791.445	791.574	0.130	NE185	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.130	0.000	0.130	0.000	0.000	0.000
Steele City	NE	York	791.574	791.717	0.142	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.142	0.003	0.142	0.000	0.000	0.000
Steele City	NE	York	791.717	791.839	0.122	NE185	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.122	0.006	0.122	0.000	0.000	0.000
Steele City	NE	York	791.839	791.993	0.154	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.154	0.000	0.154	0.000	0.000	0.000
Steele City	NE	York	791.993	792.165	0.172	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.172	0.009	0.172	0.000	0.000	0.000
Steele City	NE	York	792.165	792.184	0.019	NE185	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.019	0.000	0.019	0.000	0.000	0.000
Steele City	NE	York	792.184	792.398	0.214	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.214	0.004	0.214	0.000	0.000	0.000
Steele City	NE	York	792.398	792.735	0.337	NE185	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.337	0.000	0.337	0.000	0.000	0.000
Steele City	NE	York	792.735	792.755	0.021	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.021	0.000	0.021	0.000	0.000	0.000
Steele City	NE	York	792.755	792.815	0.060	NE185	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.060	0.003	0.060	0.000	0.000	0.000
Steele City	NE	York	792.815	792.852	0.037	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.037	0.001	0.037	0.000	0.000	0.000
Steele City	NE	York	792.852	793.127	0.275	NE185	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.275	0.000	0.275	0.000	0.000	0.000
Steele City	NE	York	793.127	793.164	0.037	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.000	0.000	0.000	0.037	0.000	0.037	0.000	0.000	0.000
Steele City	NE	York	793.164	793.293	0.129	NE185	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.129	0.000	0.129	0.000	0.000	0.000
Steele City	NE	York	793.293	793.363	0.071	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.071	0.001	0.071	0.000	0.000	0.000
Steele City	NE	York	793.363	793.511	0.148	NE185	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.148	0.007	0.148	0.000	0.000	0.000
Steele City	NE	York	793.511	793.542	0.031	NE185	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.031	0.000	0.031	0.000	0.000	0.000
Steele City	NE	York	793.542	793.604	0.061	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.061	0.001	0.061	0.000	0.000	0.000
Steele City	NE	Fillmore	793.604	793.614	0.010	NE059	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.000
Steele City	NE	Fillmore	793.614	793.679	0.066	NE059	Fillmore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.066	0.066	0.000	0.000	0.000
Steele City	NE	Fillmore	793.679	794.023	0.344	NE059	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.344	0.000	0.344	0.000	0.000	0.000
Steele City	NE	Fillmore	794.023	794.112	0.089	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.089	0.000	0.089	0.000	0.000	0.000
Steele City	NE	Fillmore	794.112	794.217	0.105	NE059	Hobbs silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.105	0.005	0.104	0.000	0.000	0.000
Steele City	NE	Fillmore	794.217	794.278	0.061	NE059	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.061	0.000	0.000	0.000	0.061	0.000	0.000	0.000
Steele City	NE	Fillmore	794.278	794.286	0.008	NE059	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.008	0.000	0.008	0.000	0.000	0.000
Steele City	NE	Fillmore	794.286	794.490	0.204	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.204	0.000	0.204	0.000	0.000	0.000
Steele City	NE	Fillmore	794.490	794.528	0.038	NE059	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.038	0.001	0.038	0.000	0.000	0.000
Steele City	NE	Fillmore	794.528	794.671	0.143	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.003	0.143	0.007	0.143	0.000	0.000	0.000
Steele City	NE	Fillmore	794.671	794.971	0.300	NE059	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.006	0.300	0.015	0.300	0.000	0.000	0.000
Steele City	NE	Fillmore	794.971	795.040	0.069	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.001	0.069	0.003	0.069	0.000	0.000	0.000
Steele City	NE	Fillmore	795.040	795.095	0.055	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.055	0.000	0.055	0.000	0.000	0.000
Steele City	NE	Fillmore	795.095	795.410	0.315	NE059	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.315	0.006	0.315	0.000	0.000	0.000
Steele City	NE	Fillmore	795.410	795.458	0.048	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.001	0.048	0.002	0.048	0.000	0.000	0.000
Steele City	NE	Fillmore	795.458	795.520	0.063	NE059	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.001	0.063	0.003	0.063	0.000	0.000	0.000
Steele City	NE	Fillmore	795.520	795.798	0.277	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.006	0.277	0.014	0.277	0.000	0.000	0.000
Steele City	NE	Fillmore	795.798	795.936	0.138	NE059	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.003	0.138	0.007	0.138	0.000	0.000	0.000
Steele City	NE	Fillmore	795.936	795.978	0.043	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.001	0.043	0.002	0.043	0.000	0.000	0.000
Steele City	NE	Fillmore	795.978	796.051	0.073	NE059	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.001	0.073	0.004	0.073	0.000	0.000	0.000
Steele City	NE	Fillmore	796.051	796.398	0.347	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.007	0.347	0.017	0.347	0.000	0.000	0.000
Steele City	NE	Fillmore	796.398	796.457	0.059	NE059	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.059	0.001	0.059	0.000	0.000	0.000
Steele City	NE	Fillmore	796.457	796.530	0.074	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.001	0.074	0.004	0.074	0.000	0.000	0.000
Steele City	NE	Fillmore	796.530	796.579	0.048	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.048	0.000	0.048	0.000	0.000	0.000
Steele City	NE	Fillmore	796.579	796.733	0.154	NE059	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.154	0.003	0.154	0.000	0.000	0.000
Steele City	NE	Fillmore	796.733	796.737	0.004	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.004	0.004	0.004	0.000	0.000	0.000
Steele City	NE	Fillmore	796.737	796.822	0.085	NE059	Hastings silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.085	0.002	0.085	0.000	0.000	0.000
Steele City	NE	Fillmore	796.822	796.883	0.061	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.001	0.061	0.003	0.061	0.000	0.000	0.000
Steele City	NE	Fillmore	796.883	797.073	0.190	NE059	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.004	0.190	0.009	0.190	0.000	0.000	0.000
Steele City	NE	Fillmore	797.073	797.148	0.075	NE059	Fillmore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.075	0.075	0.000	0.000	0.000
Steele City	NE	Fillmore	797.148	797.221	0.073	NE059	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.001	0.073	0.004	0.073	0.000	0.000	0.000
Steele City	NE	Fillmore	797.221	797.442	0.222	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.004	0.222	0.011	0.222	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Fillmore	797.442	797.525	0.083	NE059	Fillmore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.083	0.083	0.000	0.000	0.000
Steele City	NE	Fillmore	797.525	797.560	0.036	NE059	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.036	0.001	0.036	0.000	0.000	0.000
Steele City	NE	Fillmore	797.560	797.914	0.353	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.007	0.353	0.018	0.353	0.000	0.000	0.000
Steele City	NE	Fillmore	797.914	798.196	0.282	NE059	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.006	0.282	0.014	0.282	0.000	0.000	0.000
Steele City	NE	Fillmore	798.196	798.361	0.165	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.003	0.165	0.008	0.165	0.000	0.000	0.000
Steele City	NE	Fillmore	798.361	798.570	0.209	NE059	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.004	0.209	0.010	0.209	0.000	0.000	0.000
Steele City	NE	Fillmore	798.570	798.706	0.135	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	0.000	0.000	0.075	0.000	0.088	0.135	0.000	0.000	0.000
Steele City	NE	Fillmore	798.706	798.776	0.070	NE059	Fillmore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.070	0.070	0.000	0.000	0.000
Steele City	NE	Fillmore	798.776	798.859	0.083	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.002	0.083	0.004	0.083	0.000	0.000	0.000
Steele City	NE	Fillmore	798.859	798.942	0.083	NE059	Fillmore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.083	0.083	0.000	0.000	0.000
Steele City	NE	Fillmore	798.942	799.040	0.097	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	0.000	0.000	0.054	0.000	0.063	0.097	0.000	0.000	0.000
Steele City	NE	Fillmore	799.040	799.081	0.042	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.042	0.042	0.042	0.000	0.000	0.000
Steele City	NE	Fillmore	799.081	799.165	0.084	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	0.000	0.000	0.046	0.000	0.055	0.084	0.000	0.000	0.000
Steele City	NE	Fillmore	799.165	799.258	0.093	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.002	0.093	0.005	0.093	0.000	0.000	0.000
Steele City	NE	Fillmore	799.258	799.325	0.066	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.066	0.066	0.066	0.000	0.000	0.000
Steele City	NE	Fillmore	799.325	799.467	0.142	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	0.000	0.000	0.078	0.000	0.092	0.142	0.000	0.000	0.000
Steele City	NE	Fillmore	799.467	799.600	0.133	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.003	0.133	0.007	0.133	0.000	0.000	0.000
Steele City	NE	Fillmore	799.600	800.371	0.771	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	0.000	0.000	0.424	0.000	0.501	0.771	0.000	0.000	0.000
Steele City	NE	Fillmore	800.371	800.579	0.208	NE059	Scott silty clay loam, drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.208	0.208	0.000	0.000	0.000
Steele City	NE	Fillmore	800.579	800.691	0.112	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	0.000	0.000	0.062	0.000	0.073	0.112	0.000	0.000	0.000
Steele City	NE	Fillmore	800.691	800.736	0.045	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.001	0.045	0.002	0.045	0.000	0.000	0.000
Steele City	NE	Fillmore	800.736	800.775	0.039	NE059	Scott silty clay loam, drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.039	0.039	0.000	0.000	0.000
Steele City	NE	Fillmore	800.775	800.884	0.109	NE059	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.002	0.109	0.005	0.109	0.000	0.000	0.000
Steele City	NE	Fillmore	800.884	800.951	0.067	NE059	Scott silty clay loam, drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.067	0.067	0.000	0.000	0.000
Steele City	NE	Fillmore	800.951	800.992	0.041	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.041	0.041	0.041	0.000	0.000	0.000
Steele City	NE	Fillmore	800.992	801.080	0.088	NE059	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.088	0.002	0.088	0.000	0.000	0.000
Steele City	NE	Fillmore	801.080	801.428	0.348	NE059	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.007	0.348	0.017	0.348	0.000	0.000	0.000
Steele City	NE	Fillmore	801.428	801.517	0.089	NE059	Crete silty clay loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.089	0.002	0.089	0.000	0.000	0.000
Steele City	NE	Fillmore	801.517	801.613	0.096	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.002	0.096	0.005	0.096	0.000	0.000	0.000
Steele City	NE	Fillmore	801.613	801.725	0.112	NE059	Crete silty clay loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.112	0.002	0.112	0.000	0.000	0.000
Steele City	NE	Fillmore	801.725	801.899	0.174	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.003	0.174	0.009	0.174	0.000	0.000	0.000
Steele City	NE	Fillmore	801.899	801.950	0.052	NE059	Crete silty clay loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.052	0.001	0.052	0.000	0.000	0.000
Steele City	NE	Fillmore	801.950	802.023	0.073	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.001	0.073	0.004	0.073	0.000	0.000	0.000
Steele City	NE	Fillmore	802.023	802.089	0.066	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.066	0.066	0.066	0.000	0.000	0.000
Steele City	NE	Fillmore	802.089	802.238	0.149	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.003	0.149	0.007	0.149	0.000	0.000	0.000
Steele City	NE	Fillmore	802.238	802.284	0.046	NE059	Crete silty clay loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.046	0.001	0.046	0.000	0.000	0.000
Steele City	NE	Fillmore	802.284	802.353	0.069	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.001	0.069	0.003	0.069	0.000	0.000	0.000
Steele City	NE	Fillmore	802.353	802.460	0.106	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.106	0.106	0.106	0.000	0.000	0.000
Steele City	NE	Fillmore	802.460	802.571	0.111	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.002	0.111	0.006	0.111	0.000	0.000	0.000
Steele City	NE	Fillmore	802.571	802.632	0.061	NE059	Fillmore silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.061	0.061	0.000	0.000	0.000
Steele City	NE	Fillmore	802.632	802.665	0.033	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.033	0.033	0.033	0.000	0.000	0.000
Steele City	NE	Fillmore	802.665	802.714	0.049	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.001	0.049	0.002	0.049	0.000	0.000	0.000
Steele City	NE	Fillmore	802.714	802.856	0.142	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.142	0.142	0.142	0.000	0.000	0.000
Steele City	NE	Fillmore	802.856	803.110	0.255	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.005	0.255	0.013	0.255	0.000	0.000	0.000
Steele City	NE	Fillmore	803.110	803.154	0.044	NE059	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.001	0.044	0.002	0.044	0.000	0.000	0.000
Steele City	NE	Fillmore	803.154	803.235	0.081	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.002	0.081	0.004	0.081	0.000	0.000	0.000
Steele City	NE	Fillmore	803.235	803.331	0.096	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.096	0.000	0.096	0.000	0.000	0.000
Steele City	NE	Fillmore	803.331	803.368	0.037	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.001	0.037	0.002	0.037	0.000	0.000	0.000
Steele City	NE	Fillmore	803.368	803.468	0.100	NE059	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.100	0.000	0.000	0.000	0.100	0.000	0.000	0.000
Steele City	NE	Fillmore	803.468	803.495	0.027	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.001	0.027	0.001	0.027	0.000	0.000	0.000
Steele City	NE	Fillmore	803.495	803.555	0.061	NE059	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.061	0.000	0.000	0.000	0.061	0.000	0.000	0.000
Steele City	NE	Fillmore	803.555	803.641	0.086	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.002	0.086	0.004	0.086	0.000	0.000	0.000
Steele City	NE	Fillmore	803.641	803.734	0.093	NE059	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.093	0.000	0.000	0.000	0.093	0.000	0.000	0.000
Steele City	NE	Fillmore	803.734	803.744	0.010	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.010	0.001	0.010	0.000	0.000	0.000
Steele City	NE	Fillmore	803.744	803.788	0.044	NE059	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.044	0.000	0.000	0.000	0.044	0.000	0.000	0.000
Steele City	NE	Fillmore	803.788	804.027	0.239	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.005	0.239	0.012	0.239	0.000	0.000	0.000
Steele City	NE	Fillmore	804.027	804.100	0.073	NE059	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.073	0.000	0.000	0.000	0.073	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Fillmore	804.100	804.148	0.048	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.048	0.000	0.048	0.000	0.000	0.000
Steele City	NE	Fillmore	804.148	804.340	0.191	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.004	0.191	0.010	0.191	0.000	0.000	0.000
Steele City	NE	Fillmore	804.340	804.430	0.091	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.000	0.000	0.000	0.091	0.091	0.091	0.000	0.000	0.000
Steele City	NE	Fillmore	804.430	804.597	0.167	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.003	0.167	0.008	0.167	0.000	0.000	0.000
Steele City	NE	Fillmore	804.597	804.632	0.035	NE059	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.035	0.001	0.035	0.000	0.000	0.000
Steele City	NE	Fillmore	804.632	804.733	0.101	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.002	0.101	0.005	0.101	0.000	0.000	0.000
Steele City	NE	Fillmore	804.733	804.840	0.108	NE059	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.108	0.002	0.108	0.000	0.000	0.000
Steele City	NE	Fillmore	804.840	804.963	0.122	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.002	0.122	0.006	0.122	0.000	0.000	0.000
Steele City	NE	Fillmore	804.963	805.116	0.153	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.153	0.000	0.153	0.000	0.000	0.000
Steele City	NE	Fillmore	805.116	805.273	0.157	NE059	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.157	0.003	0.157	0.000	0.000	0.000
Steele City	NE	Fillmore	805.273	805.353	0.080	NE059	Uly-Hobbs silt loams, 0 to 30 percent slopes	0.000	0.048	0.000	0.000	0.000	0.080	0.000	0.000	0.000
Steele City	NE	Fillmore	805.353	805.440	0.087	NE059	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.087	0.002	0.087	0.000	0.000	0.000
Steele City	NE	Fillmore	805.440	805.656	0.216	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.004	0.216	0.011	0.216	0.000	0.000	0.000
Steele City	NE	Fillmore	805.656	805.670	0.014	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.014	0.000	0.014	0.000	0.000	0.000
Steele City	NE	Fillmore	805.670	806.138	0.467	NE059	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.009	0.467	0.023	0.467	0.000	0.000	0.000
Steele City	NE	Fillmore	806.138	806.225	0.088	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.088	0.000	0.088	0.000	0.000	0.000
Steele City	NE	Fillmore	806.225	806.292	0.067	NE059	Geary-Hobbs silt loams, 0 to 30 percent slopes	0.000	0.040	0.000	0.000	0.001	0.067	0.000	0.000	0.000
Steele City	NE	Fillmore	806.292	806.385	0.094	NE059	Geary silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.093	0.000	0.000	0.001	0.094	0.000	0.000	0.000
Steele City	NE	Fillmore	806.385	806.506	0.121	NE059	Hobbs silt loam, channeled	0.000	0.000	0.000	0.000	0.006	0.121	0.000	0.000	0.000
Steele City	NE	Fillmore	806.506	806.508	0.002	NE059	Geary silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.002	0.000	0.000	0.000	0.002	0.000	0.000	0.000
Steele City	NE	Fillmore	806.508	806.545	0.036	NE059	Geary silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.036	0.000	0.036	0.000	0.000	0.000
Steele City	NE	Fillmore	806.545	806.578	0.033	NE059	Geary silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.033	0.000	0.000	0.000	0.033	0.000	0.000	0.000
Steele City	NE	Fillmore	806.578	806.637	0.059	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.059	0.000	0.059	0.000	0.000	0.000
Steele City	NE	Fillmore	806.637	806.789	0.152	NE059	Geary silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.150	0.000	0.000	0.002	0.152	0.000	0.000	0.000
Steele City	NE	Fillmore	806.789	806.856	0.067	NE059	Muir silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.067	0.000	0.067	0.000	0.000	0.000
Steele City	NE	Fillmore	806.856	807.067	0.210	NE059	Muir silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.210	0.002	0.208	0.000	0.000	0.000
Steele City	NE	Fillmore	807.067	807.205	0.138	NE059	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.003	0.138	0.007	0.138	0.000	0.000	0.000
Steele City	NE	Fillmore	807.205	807.380	0.175	NE059	Muir silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.175	0.002	0.173	0.000	0.000	0.000
Steele City	NE	Fillmore	807.380	807.419	0.040	NE059	Muir silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.040	0.000	0.040	0.000	0.000	0.000
Steele City	NE	Fillmore	807.419	807.459	0.040	NE059	Hobbs silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.040	0.002	0.039	0.000	0.000	0.000
Steele City	NE	Fillmore	807.459	807.572	0.113	NE059	Hobbs silt loam, channeled	0.000	0.000	0.000	0.000	0.006	0.113	0.000	0.000	0.000
Steele City	NE	Fillmore	807.572	807.695	0.123	NE059	Muir silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.123	0.001	0.122	0.000	0.000	0.000
Steele City	NE	Fillmore	807.695	807.776	0.082	NE059	Geary silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.081	0.000	0.000	0.001	0.082	0.000	0.000	0.000
Steele City	NE	Fillmore	807.776	807.893	0.117	NE059	Geary-Hobbs silt loams, 0 to 30 percent slopes	0.000	0.070	0.000	0.000	0.002	0.117	0.000	0.000	0.000
Steele City	NE	Fillmore	807.893	807.967	0.074	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.074	0.000	0.074	0.000	0.000	0.000
Steele City	NE	Fillmore	807.967	808.178	0.211	NE059	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.211	0.004	0.211	0.000	0.000	0.000
Steele City	NE	Saline	808.178	808.188	0.010	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.000
Steele City	NE	Saline	808.188	808.254	0.066	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.066	0.000	0.000	0.000	0.066	0.000	0.000	0.000
Steele City	NE	Saline	808.254	808.390	0.136	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.136	0.000	0.136	0.000	0.000	0.000
Steele City	NE	Saline	808.390	808.432	0.042	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.042	0.000	0.000	0.000	0.042	0.000	0.000	0.000
Steele City	NE	Saline	808.432	808.491	0.059	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.059	0.000	0.059	0.000	0.000	0.000
Steele City	NE	Saline	808.491	808.607	0.116	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.116	0.000	0.000	0.000	0.116	0.000	0.000	0.000
Steele City	NE	Saline	808.607	808.705	0.098	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.098	0.000	0.098	0.000	0.000	0.000
Steele City	NE	Saline	808.705	808.926	0.221	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.221	0.000	0.221	0.000	0.000	0.000
Steele City	NE	Saline	808.926	809.055	0.129	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.129	0.000	0.129	0.000	0.000	0.000
Steele City	NE	Saline	809.055	809.079	0.025	NE151	Hobbs silt loam, channeled	0.000	0.000	0.000	0.000	0.000	0.024	0.000	0.000	0.000
Steele City	NE	Saline	809.079	809.113	0.034	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.034	0.000	0.034	0.000	0.000	0.000
Steele City	NE	Saline	809.113	809.192	0.079	NE151	Hobbs silt loam, channeled	0.000	0.000	0.000	0.000	0.001	0.078	0.000	0.000	0.000
Steele City	NE	Saline	809.192	809.254	0.062	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.062	0.000	0.062	0.000	0.000	0.000
Steele City	NE	Saline	809.254	809.356	0.101	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.101	0.000	0.101	0.000	0.000	0.000
Steele City	NE	Saline	809.356	809.383	0.027	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.027	0.000	0.027	0.000	0.000	0.000
Steele City	NE	Saline	809.383	809.513	0.130	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.130	0.000	0.130	0.000	0.000	0.000
Steele City	NE	Saline	809.513	809.692	0.179	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.179	0.000	0.179	0.000	0.000	0.000
Steele City	NE	Saline	809.692	809.974	0.282	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.282	0.000	0.282	0.000	0.000	0.000
Steele City	NE	Saline	809.974	809.987	0.013	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.013	0.000	0.013	0.000	0.000	0.000
Steele City	NE	Saline	809.987	810.102	0.115	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.115	0.002	0.115	0.000	0.000	0.000
Steele City	NE	Saline	810.102	810.317	0.216	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.216	0.000	0.216	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Saline	810.317	810.381	0.064	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.064	0.000	0.064	0.000	0.000	0.000
Steele City	NE	Saline	810.381	810.523	0.142	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.142	0.003	0.142	0.000	0.000	0.000
Steele City	NE	Saline	810.523	810.579	0.057	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.057	0.000	0.057	0.000	0.000	0.000
Steele City	NE	Saline	810.579	810.707	0.127	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.127	0.003	0.127	0.000	0.000	0.000
Steele City	NE	Saline	810.707	810.907	0.200	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.200	0.000	0.200	0.000	0.000	0.000
Steele City	NE	Saline	810.907	810.971	0.064	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.064	0.001	0.064	0.000	0.000	0.000
Steele City	NE	Saline	810.971	811.138	0.167	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.167	0.000	0.167	0.000	0.000	0.000
Steele City	NE	Saline	811.138	811.386	0.248	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.248	0.005	0.248	0.000	0.000	0.000
Steele City	NE	Saline	811.386	811.568	0.182	NE151	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.182	0.009	0.182	0.000	0.000	0.000
Steele City	NE	Saline	811.568	812.075	0.507	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.507	0.010	0.507	0.000	0.000	0.000
Steele City	NE	Saline	812.075	812.170	0.095	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.095	0.000	0.095	0.000	0.000	0.000
Steele City	NE	Saline	812.170	812.349	0.180	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.180	0.000	0.180	0.000	0.000	0.000
Steele City	NE	Saline	812.349	812.426	0.077	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.077	0.000	0.077	0.000	0.000	0.000
Steele City	NE	Saline	812.426	812.488	0.062	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.062	0.001	0.062	0.000	0.000	0.000
Steele City	NE	Saline	812.488	812.708	0.220	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.220	0.000	0.220	0.000	0.000	0.000
Steele City	NE	Saline	812.708	812.850	0.141	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.141	0.000	0.141	0.000	0.000	0.000
Steele City	NE	Saline	812.850	812.982	0.132	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.132	0.003	0.132	0.000	0.000	0.000
Steele City	NE	Saline	812.982	813.018	0.036	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.036	0.000	0.036	0.000	0.000	0.000
Steele City	NE	Saline	813.018	813.051	0.034	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.034	0.001	0.034	0.000	0.000	0.000
Steele City	NE	Saline	813.051	813.093	0.042	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.042	0.000	0.042	0.000	0.000	0.000
Steele City	NE	Saline	813.093	813.164	0.071	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.071	0.001	0.071	0.000	0.000	0.000
Steele City	NE	Saline	813.164	813.227	0.063	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.063	0.000	0.063	0.000	0.000	0.000
Steele City	NE	Saline	813.227	813.295	0.068	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.068	0.000	0.068	0.000	0.000	0.000
Steele City	NE	Saline	813.295	813.382	0.087	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.087	0.002	0.087	0.000	0.000	0.000
Steele City	NE	Saline	813.382	813.422	0.041	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.041	0.000	0.041	0.000	0.000	0.000
Steele City	NE	Saline	813.422	813.463	0.040	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.040	0.000	0.040	0.000	0.000	0.000
Steele City	NE	Saline	813.463	813.511	0.048	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.048	0.000	0.048	0.000	0.000	0.000
Steele City	NE	Saline	813.511	813.552	0.041	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.041	0.001	0.041	0.000	0.000	0.000
Steele City	NE	Saline	813.552	813.582	0.030	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.030	0.000	0.030	0.000	0.000	0.000
Steele City	NE	Saline	813.582	813.627	0.045	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.045	0.000	0.045	0.000	0.000	0.000
Steele City	NE	Saline	813.627	813.830	0.203	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.203	0.000	0.000	0.000	0.203	0.000	0.000	0.000
Steele City	NE	Saline	813.830	814.069	0.239	NE151	Malmo silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.239	0.000	0.000	0.000	0.239	0.000	0.000	0.000
Steele City	NE	Saline	814.069	814.180	0.112	NE151	Hobbs silt loam, channeled	0.000	0.000	0.000	0.000	0.001	0.110	0.000	0.000	0.000
Steele City	NE	Saline	814.180	814.325	0.145	NE151	Malmo silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.145	0.000	0.000	0.000	0.145	0.000	0.000	0.000
Steele City	NE	Saline	814.325	814.404	0.079	NE151	Burchard clay loam, 6 to 11 percent slopes, eroded	0.000	0.079	0.000	0.079	0.000	0.079	0.000	0.000	0.000
Steele City	NE	Saline	814.404	814.464	0.060	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.060	0.000	0.060	0.000	0.000	0.000
Steele City	NE	Saline	814.464	814.496	0.032	NE151	Burchard clay loam, 6 to 11 percent slopes, eroded	0.000	0.032	0.000	0.032	0.000	0.032	0.000	0.000	0.000
Steele City	NE	Saline	814.496	814.560	0.064	NE151	Burchard-Steinauer clay loams, 11 to 30 percent slopes	0.000	0.064	0.000	0.000	0.000	0.064	0.000	0.000	0.000
Steele City	NE	Saline	814.560	814.567	0.007	NE151	Burchard clay loam, 6 to 11 percent slopes, eroded	0.000	0.007	0.000	0.007	0.000	0.007	0.000	0.000	0.000
Steele City	NE	Saline	814.567	814.605	0.037	NE151	Malmo silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.006	0.000	0.037	0.000	0.037	0.006	0.000	0.000
Steele City	NE	Saline	814.605	814.717	0.113	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.113	0.000	0.113	0.000	0.000	0.000
Steele City	NE	Saline	814.717	814.746	0.029	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.029	0.000	0.029	0.000	0.000	0.000
Steele City	NE	Saline	814.746	814.810	0.064	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.064	0.000	0.000	0.000	0.064	0.000	0.000	0.000
Steele City	NE	Saline	814.810	814.920	0.110	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.110	0.000	0.110	0.000	0.000	0.000
Steele City	NE	Saline	814.920	815.030	0.110	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.110	0.000	0.110	0.000	0.000	0.000
Steele City	NE	Saline	815.030	815.115	0.085	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.085	0.000	0.085	0.000	0.000	0.000
Steele City	NE	Saline	815.115	815.150	0.035	NE151	Burchard clay loam, 6 to 11 percent slopes	0.000	0.035	0.000	0.035	0.000	0.035	0.000	0.000	0.000
Steele City	NE	Saline	815.150	815.254	0.105	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.105	0.000	0.105	0.000	0.000	0.000
Steele City	NE	Saline	815.254	815.285	0.031	NE151	Burchard clay loam, 6 to 11 percent slopes	0.000	0.031	0.000	0.031	0.000	0.031	0.000	0.000	0.000
Steele City	NE	Saline	815.285	815.436	0.151	NE151	Burchard-Steinauer clay loams, 11 to 30 percent slopes	0.000	0.151	0.000	0.000	0.000	0.151	0.000	0.000	0.000
Steele City	NE	Saline	815.436	815.547	0.112	NE151	Malmo silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.017	0.000	0.112	0.000	0.112	0.017	0.000	0.000
Steele City	NE	Saline	815.547	815.752	0.205	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.205	0.000	0.205	0.000	0.000	0.000
Steele City	NE	Saline	815.752	815.786	0.034	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.034	0.000	0.034	0.000	0.000	0.000
Steele City	NE	Saline	815.786	815.854	0.068	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.068	0.001	0.068	0.000	0.000	0.000
Steele City	NE	Saline	815.854	815.867	0.013	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.013	0.000	0.013	0.000	0.000	0.000
Steele City	NE	Saline	815.867	816.168	0.301	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.301	0.000	0.301	0.000	0.000	0.000
Steele City	NE	Saline	816.168	816.230	0.062	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.062	0.001	0.062	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Saline	816.230	816.310	0.079	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.079	0.000	0.079	0.000	0.000	0.000
Steele City	NE	Saline	816.310	816.332	0.023	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.023	0.000	0.023	0.000	0.000	0.000
Steele City	NE	Saline	816.332	816.460	0.128	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.128	0.000	0.128	0.000	0.000	0.000
Steele City	NE	Saline	816.460	816.650	0.190	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.190	0.000	0.190	0.000	0.000	0.000
Steele City	NE	Saline	816.650	816.815	0.165	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.165	0.000	0.165	0.000	0.000	0.000
Steele City	NE	Saline	816.815	816.862	0.047	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.047	0.000	0.047	0.000	0.000	0.000
Steele City	NE	Saline	816.862	817.052	0.190	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.190	0.000	0.190	0.000	0.000	0.000
Steele City	NE	Saline	817.052	817.112	0.061	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.061	0.000	0.000	0.000	0.061	0.000	0.000	0.000
Steele City	NE	Saline	817.112	817.148	0.036	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.036	0.001	0.036	0.000	0.000	0.000
Steele City	NE	Saline	817.148	817.177	0.029	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.029	0.000	0.000	0.000	0.029	0.000	0.000	0.000
Steele City	NE	Saline	817.177	817.247	0.070	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.070	0.001	0.070	0.000	0.000	0.000
Steele City	NE	Saline	817.247	817.284	0.037	NE151	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.037	0.002	0.037	0.000	0.000	0.000
Steele City	NE	Saline	817.284	817.454	0.170	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.170	0.003	0.170	0.000	0.000	0.000
Steele City	NE	Saline	817.454	817.494	0.040	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.040	0.000	0.040	0.000	0.000	0.000
Steele City	NE	Saline	817.494	817.558	0.064	NE151	Longford silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.064	0.000	0.000	0.000	0.064	0.000	0.000	0.000
Steele City	NE	Saline	817.558	817.674	0.116	NE151	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.116	0.000	0.116	0.000	0.000	0.000
Steele City	NE	Saline	817.674	817.707	0.033	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.033	0.000	0.000	0.000	0.033	0.000	0.000	0.000
Steele City	NE	Saline	817.707	817.779	0.072	NE151	Hastings silt loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.072	0.000	0.072	0.000	0.000	0.000
Steele City	NE	Saline	817.779	817.891	0.111	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.111	0.000	0.111	0.000	0.000	0.000
Steele City	NE	Saline	817.891	817.963	0.072	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.072	0.000	0.000	0.000	0.072	0.000	0.000	0.000
Steele City	NE	Saline	817.963	818.023	0.060	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.060	0.000	0.060	0.000	0.000	0.000
Steele City	NE	Saline	818.023	818.075	0.052	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.052	0.000	0.000	0.000	0.052	0.000	0.000	0.000
Steele City	NE	Saline	818.075	818.135	0.060	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.060	0.000	0.060	0.000	0.000	0.000
Steele City	NE	Saline	818.135	818.259	0.124	NE151	Longford silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.124	0.000	0.000	0.000	0.124	0.000	0.000	0.000
Steele City	NE	Saline	818.259	818.391	0.131	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.131	0.000	0.131	0.000	0.000	0.000
Steele City	NE	Saline	818.391	818.446	0.056	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.056	0.000	0.056	0.000	0.000	0.000
Steele City	NE	Saline	818.446	818.512	0.065	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.065	0.000	0.065	0.000	0.000	0.000
Steele City	NE	Saline	818.512	818.584	0.073	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.073	0.000	0.000	0.000	0.073	0.000	0.000	0.000
Steele City	NE	Saline	818.584	818.624	0.039	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.039	0.000	0.039	0.000	0.000	0.000
Steele City	NE	Saline	818.624	818.666	0.042	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.042	0.000	0.000	0.000	0.042	0.000	0.000	0.000
Steele City	NE	Saline	818.666	818.730	0.064	NE151	Malmo silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.064	0.000	0.000	0.000	0.064	0.000	0.000	0.000
Steele City	NE	Saline	818.730	818.830	0.100	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.100	0.000	0.100	0.000	0.000	0.000
Steele City	NE	Saline	818.830	818.902	0.072	NE151	Malmo silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.072	0.000	0.000	0.000	0.072	0.000	0.000	0.000
Steele City	NE	Saline	818.902	818.944	0.042	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.042	0.000	0.042	0.000	0.000	0.000
Steele City	NE	Saline	818.944	819.080	0.136	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.136	0.003	0.136	0.000	0.000	0.000
Steele City	NE	Saline	819.080	819.115	0.035	NE151	Butler silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.035	0.002	0.035	0.000	0.000	0.000
Steele City	NE	Saline	819.115	819.170	0.055	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.055	0.001	0.055	0.000	0.000	0.000
Steele City	NE	Saline	819.170	819.333	0.163	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.163	0.000	0.163	0.000	0.000	0.000
Steele City	NE	Saline	819.333	819.412	0.080	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.080	0.000	0.080	0.000	0.000	0.000
Steele City	NE	Saline	819.412	819.494	0.082	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.082	0.000	0.082	0.000	0.000	0.000
Steele City	NE	Saline	819.494	819.685	0.191	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.191	0.000	0.000	0.000	0.191	0.000	0.000	0.000
Steele City	NE	Saline	819.685	819.734	0.049	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.049	0.000	0.049	0.000	0.000	0.000
Steele City	NE	Saline	819.734	819.891	0.157	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.157	0.000	0.000	0.000	0.157	0.000	0.000	0.000
Steele City	NE	Saline	819.891	819.999	0.107	NE151	Malmo silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.107	0.000	0.000	0.000	0.107	0.000	0.000	0.000
Steele City	NE	Saline	819.999	820.060	0.061	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.061	0.000	0.000	0.000	0.061	0.000	0.000	0.000
Steele City	NE	Saline	820.060	820.083	0.023	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.023	0.000	0.023	0.000	0.000	0.000
Steele City	NE	Saline	820.083	820.185	0.102	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.102	0.000	0.000	0.000	0.102	0.000	0.000	0.000
Steele City	NE	Saline	820.185	820.305	0.120	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.120	0.000	0.120	0.000	0.000	0.000
Steele City	NE	Saline	820.305	820.501	0.197	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.197	0.000	0.197	0.000	0.000	0.000
Steele City	NE	Saline	820.501	820.716	0.215	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.215	0.000	0.215	0.000	0.000	0.000
Steele City	NE	Saline	820.716	820.768	0.052	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.052	0.000	0.000	0.000	0.052	0.000	0.000	0.000
Steele City	NE	Saline	820.768	820.858	0.090	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.090	0.000	0.090	0.000	0.000	0.000
Steele City	NE	Saline	820.858	820.862	0.004	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.004	0.000	0.004	0.000	0.000	0.000
Steele City	NE	Saline	820.862	821.027	0.165	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.165	0.000	0.165	0.000	0.000	0.000
Steele City	NE	Saline	821.027	821.185	0.157	NE151	Longford silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.157	0.000	0.000	0.000	0.157	0.000	0.000	0.000
Steele City	NE	Saline	821.185	821.243	0.058	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.058	0.000	0.058	0.000	0.000	0.000
Steele City	NE	Saline	821.243	821.412	0.169	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.169	0.000	0.169	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Saline	821.412	821.552	0.140	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.140	0.000	0.140	0.000	0.000	0.000
Steele City	NE	Saline	821.552	821.612	0.060	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.060	0.000	0.060	0.000	0.000	0.000
Steele City	NE	Saline	821.612	821.665	0.052	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.052	0.001	0.052	0.000	0.000	0.000
Steele City	NE	Saline	821.665	821.710	0.045	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.045	0.000	0.045	0.000	0.000	0.000
Steele City	NE	Saline	821.710	821.739	0.029	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.029	0.000	0.029	0.000	0.000	0.000
Steele City	NE	Saline	821.739	821.809	0.070	NE151	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.070	0.001	0.070	0.000	0.000	0.000
Steele City	NE	Saline	821.809	822.084	0.275	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.275	0.000	0.275	0.000	0.000	0.000
Steele City	NE	Saline	822.084	822.333	0.250	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000
Steele City	NE	Saline	822.333	822.404	0.071	NE151	Longford silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.071	0.000	0.000	0.000	0.071	0.000	0.000	0.000
Steele City	NE	Saline	822.404	822.457	0.053	NE151	Hobbs silt loam, channeled	0.000	0.000	0.000	0.000	0.001	0.053	0.000	0.000	0.000
Steele City	NE	Saline	822.457	822.505	0.048	NE151	Geary silty clay loam, 11 to 30 percent slopes	0.000	0.048	0.000	0.000	0.000	0.048	0.000	0.000	0.000
Steele City	NE	Saline	822.505	822.595	0.090	NE151	Hobbs silt loam, channeled	0.000	0.000	0.000	0.000	0.001	0.089	0.000	0.000	0.000
Steele City	NE	Saline	822.595	822.645	0.051	NE151	Geary silty clay loam, 11 to 30 percent slopes	0.000	0.051	0.000	0.000	0.000	0.051	0.000	0.000	0.000
Steele City	NE	Saline	822.645	822.708	0.063	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.063	0.000	0.063	0.000	0.000	0.000
Steele City	NE	Saline	822.708	822.982	0.274	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.274	0.000	0.274	0.000	0.000	0.000
Steele City	NE	Saline	822.982	823.250	0.267	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.267	0.000	0.267	0.000	0.000	0.000
Steele City	NE	Saline	823.250	823.461	0.211	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.211	0.000	0.211	0.000	0.000	0.000
Steele City	NE	Saline	823.461	823.511	0.050	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.050	0.000	0.050	0.000	0.000	0.000
Steele City	NE	Saline	823.511	823.841	0.331	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.331	0.000	0.331	0.000	0.000	0.000
Steele City	NE	Saline	823.841	823.912	0.071	NE151	Longford silty clay loam, 3 to 6 percent slopes	0.000	0.000	0.000	0.071	0.000	0.071	0.000	0.000	0.000
Steele City	NE	Saline	823.912	823.960	0.047	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.047	0.000	0.047	0.000	0.000	0.000
Steele City	NE	Saline	823.960	824.000	0.040	NE151	Geary silty clay loam, 11 to 30 percent slopes	0.000	0.040	0.000	0.000	0.000	0.040	0.000	0.000	0.000
Steele City	NE	Saline	824.000	824.049	0.049	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.049	0.000	0.049	0.000	0.000	0.000
Steele City	NE	Saline	824.049	824.068	0.019	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.019	0.000	0.019	0.000	0.000	0.000
Steele City	NE	Saline	824.068	824.098	0.030	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.030	0.000	0.030	0.000	0.000	0.000
Steele City	NE	Saline	824.098	824.138	0.040	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.040	0.000	0.040	0.000	0.000	0.000
Steele City	NE	Saline	824.138	824.167	0.030	NE151	Longford silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.030	0.000	0.000	0.000	0.030	0.000	0.000	0.000
Steele City	NE	Saline	824.167	824.226	0.059	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.059	0.000	0.059	0.000	0.000	0.000
Steele City	NE	Saline	824.226	824.256	0.030	NE151	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.030	0.000	0.030	0.000	0.000	0.000
Steele City	NE	Saline	824.256	824.350	0.094	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.094	0.000	0.094	0.000	0.000	0.000
Steele City	NE	Saline	824.350	824.444	0.093	NE151	Muir silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.093	0.000	0.093	0.000	0.000	0.000
Steele City	NE	Saline	824.444	824.545	0.101	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.101	0.000	0.101	0.000	0.000	0.000
Steele City	NE	Saline	824.545	824.681	0.136	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.136	0.000	0.136	0.000	0.000	0.000
Steele City	NE	Saline	824.681	824.737	0.056	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.056	0.000	0.056	0.000	0.000	0.000
Steele City	NE	Saline	824.737	824.814	0.077	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.077	0.000	0.077	0.000	0.000	0.000
Steele City	NE	Saline	824.814	824.910	0.096	NE151	Deroin silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.096	0.000	0.000	0.000	0.096	0.000	0.000	0.000
Steele City	NE	Saline	824.910	824.960	0.050	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.000	0.000	0.050	0.000	0.050	0.000	0.000	0.000
Steele City	NE	Jefferson	824.960	824.985	0.024	NE095	Geary silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.024	0.000	0.024	0.000	0.000	0.000
Steele City	NE	Jefferson	824.985	825.214	0.230	NE095	Kennebec silt loam, rarely flooded, cool	0.000	0.000	0.000	0.230	0.000	0.230	0.000	0.000	0.000
Steele City	NE	Jefferson	825.214	825.231	0.017	NE095	Nodaway silt loam, channeled, occasionally flooded	0.000	0.000	0.000	0.000	0.000	0.017	0.000	0.000	0.000
Steele City	NE	Jefferson	825.231	825.265	0.034	NE095	Nodaway silt loam, occasionally flooded	0.000	0.000	0.000	0.034	0.001	0.034	0.000	0.000	0.000
Steele City	NE	Jefferson	825.265	825.321	0.056	NE095	Kennebec silt loam, rarely flooded, cool	0.000	0.000	0.000	0.056	0.000	0.056	0.000	0.000	0.000
Steele City	NE	Jefferson	825.321	825.452	0.130	NE095	Judson silt loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.130	0.000	0.130	0.000	0.000	0.000
Steele City	NE	Jefferson	825.452	825.655	0.204	NE095	Geary and Jansen soils, 5 to 11 percent slopes, severely eroded	0.000	0.204	0.000	0.000	0.000	0.204	0.102	0.000	0.102
Steele City	NE	Jefferson	825.655	825.714	0.059	NE095	Morrill clay loam, 7 to 11 percent slopes	0.000	0.059	0.000	0.000	0.000	0.059	0.059	0.000	0.000
Steele City	NE	Jefferson	825.714	825.795	0.081	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.081	0.000	0.081	0.000	0.000	0.000
Steele City	NE	Jefferson	825.795	825.834	0.039	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.000	0.039	0.000	0.000	0.000	0.039	0.039	0.000	0.000
Steele City	NE	Jefferson	825.834	825.987	0.153	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.153	0.000	0.153	0.000	0.000	0.000
Steele City	NE	Jefferson	825.987	826.020	0.034	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.000	0.034	0.000	0.000	0.000	0.034	0.034	0.000	0.000
Steele City	NE	Jefferson	826.020	826.118	0.097	NE095	Morrill clay loam, 11 to 30 percent slopes	0.000	0.097	0.000	0.000	0.000	0.097	0.097	0.000	0.000
Steele City	NE	Jefferson	826.118	826.179	0.061	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.061	0.000	0.061	0.000	0.000	0.000
Steele City	NE	Jefferson	826.179	826.213	0.034	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.034	0.000	0.034	0.000	0.000	0.000
Steele City	NE	Jefferson	826.213	826.403	0.190	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.190	0.000	0.190	0.000	0.000	0.000
Steele City	NE	Jefferson	826.403	826.425	0.022	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.022	0.000	0.022	0.000	0.000	0.000
Steele City	NE	Jefferson	826.425	826.486	0.061	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.061	0.000	0.061	0.000	0.000	0.000
Steele City	NE	Jefferson	826.486	826.592	0.105	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.105	0.001	0.104	0.000	0.000	0.000
Steele City	NE	Jefferson	826.592	826.672	0.080	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.080	0.000	0.080	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Jefferson	826.672	826.890	0.219	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.219	0.002	0.216	0.000	0.000	0.000
Steele City	NE	Jefferson	826.890	826.969	0.079	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.079	0.000	0.079	0.000	0.000	0.000
Steele City	NE	Jefferson	826.969	827.106	0.137	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.000	0.137	0.000	0.000	0.000	0.137	0.137	0.000	0.000
Steele City	NE	Jefferson	827.106	827.159	0.053	NE095	Morrill clay loam, 11 to 30 percent slopes	0.000	0.053	0.000	0.000	0.000	0.053	0.053	0.000	0.000
Steele City	NE	Jefferson	827.159	827.209	0.049	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.000	0.049	0.000	0.000	0.000	0.049	0.000	0.000	0.000
Steele City	NE	Jefferson	827.209	827.332	0.123	NE095	Morrill clay loam, 11 to 30 percent slopes	0.000	0.123	0.000	0.000	0.000	0.123	0.123	0.000	0.000
Steele City	NE	Jefferson	827.332	827.370	0.038	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.038	0.000	0.038	0.000	0.000	0.000
Steele City	NE	Jefferson	827.370	827.473	0.103	NE095	Morrill clay loam, 11 to 30 percent slopes	0.000	0.103	0.000	0.000	0.000	0.103	0.103	0.000	0.000
Steele City	NE	Jefferson	827.473	827.535	0.063	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.000	0.063	0.000	0.000	0.000	0.063	0.000	0.000	0.000
Steele City	NE	Jefferson	827.535	827.584	0.049	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.049	0.000	0.049	0.000	0.000	0.000
Steele City	NE	Jefferson	827.584	827.673	0.089	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.089	0.001	0.088	0.000	0.000	0.000
Steele City	NE	Jefferson	827.673	827.772	0.098	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.098	0.000	0.098	0.000	0.000	0.000
Steele City	NE	Jefferson	827.772	827.824	0.052	NE095	Hastings silty clay loam, 3 to 11 percent slopes, severely eroded	0.000	0.052	0.000	0.000	0.000	0.052	0.000	0.000	0.000
Steele City	NE	Jefferson	827.824	827.869	0.045	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.045	0.000	0.045	0.000	0.000	0.000
Steele City	NE	Jefferson	827.869	828.004	0.134	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.134	0.001	0.133	0.000	0.000	0.000
Steele City	NE	Jefferson	828.004	828.102	0.098	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.098	0.000	0.098	0.000	0.000	0.000
Steele City	NE	Jefferson	828.102	828.180	0.078	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.078	0.000	0.078	0.000	0.000	0.000
Steele City	NE	Jefferson	828.180	828.196	0.016	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.016	0.000	0.016	0.000	0.000	0.000
Steele City	NE	Jefferson	828.196	828.363	0.167	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.167	0.000	0.167	0.000	0.000	0.000
Steele City	NE	Jefferson	828.363	828.460	0.097	NE095	Nodaway silt loam, channeled, occasionally flooded	0.000	0.000	0.000	0.000	0.002	0.097	0.000	0.000	0.000
Steele City	NE	Jefferson	828.460	828.511	0.052	NE095	Judson silt loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.052	0.000	0.052	0.000	0.000	0.000
Steele City	NE	Jefferson	828.511	828.564	0.053	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.000	0.053	0.000	0.000	0.000	0.053	0.000	0.000	0.000
Steele City	NE	Jefferson	828.564	828.709	0.145	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.145	0.000	0.145	0.000	0.000	0.000
Steele City	NE	Jefferson	828.709	828.767	0.058	NE095	Burchard clay loam, 11 to 30 percent slopes	0.000	0.058	0.000	0.000	0.000	0.058	0.000	0.000	0.000
Steele City	NE	Jefferson	828.767	828.801	0.033	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.033	0.000	0.033	0.000	0.000	0.000
Steele City	NE	Jefferson	828.801	828.969	0.169	NE095	Burchard clay loam, 11 to 30 percent slopes	0.000	0.169	0.000	0.000	0.000	0.169	0.000	0.000	0.000
Steele City	NE	Jefferson	828.969	829.006	0.037	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.037	0.000	0.037	0.000	0.000	0.000
Steele City	NE	Jefferson	829.006	829.083	0.077	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.077	0.000	0.077	0.000	0.000	0.000
Steele City	NE	Jefferson	829.083	829.311	0.228	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.228	0.000	0.228	0.000	0.000	0.000
Steele City	NE	Jefferson	829.311	829.349	0.038	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.038	0.000	0.038	0.000	0.000	0.000
Steele City	NE	Jefferson	829.349	829.432	0.083	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.083	0.000	0.083	0.000	0.000	0.000
Steele City	NE	Jefferson	829.432	829.503	0.072	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.072	0.001	0.071	0.000	0.000	0.000
Steele City	NE	Jefferson	829.503	829.593	0.090	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.090	0.000	0.090	0.000	0.000	0.000
Steele City	NE	Jefferson	829.593	829.657	0.064	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.064	0.001	0.063	0.000	0.000	0.000
Steele City	NE	Jefferson	829.657	829.725	0.068	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.068	0.000	0.068	0.000	0.000	0.000
Steele City	NE	Jefferson	829.725	829.770	0.045	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.045	0.000	0.044	0.000	0.000	0.000
Steele City	NE	Jefferson	829.770	830.109	0.339	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.339	0.000	0.339	0.000	0.000	0.000
Steele City	NE	Jefferson	830.109	830.249	0.140	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.140	0.001	0.139	0.000	0.000	0.000
Steele City	NE	Jefferson	830.249	830.320	0.071	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.071	0.000	0.071	0.000	0.000	0.000
Steele City	NE	Jefferson	830.320	830.504	0.183	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.183	0.002	0.182	0.000	0.000	0.000
Steele City	NE	Jefferson	830.504	830.563	0.059	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.059	0.000	0.059	0.000	0.000	0.000
Steele City	NE	Jefferson	830.563	830.599	0.036	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.036	0.000	0.035	0.000	0.000	0.000
Steele City	NE	Jefferson	830.599	830.687	0.088	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.088	0.000	0.088	0.000	0.000	0.000
Steele City	NE	Jefferson	830.687	830.738	0.051	NE095	Butler silt loam	0.000	0.000	0.000	0.051	0.001	0.051	0.000	0.000	0.000
Steele City	NE	Jefferson	830.738	830.976	0.238	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.238	0.000	0.238	0.000	0.000	0.000
Steele City	NE	Jefferson	830.976	831.122	0.146	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.146	0.001	0.144	0.000	0.000	0.000
Steele City	NE	Jefferson	831.122	831.160	0.038	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.038	0.000	0.038	0.000	0.000	0.000
Steele City	NE	Jefferson	831.160	831.226	0.066	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.066	0.001	0.066	0.000	0.000	0.000
Steele City	NE	Jefferson	831.226	831.317	0.091	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.091	0.000	0.091	0.000	0.000	0.000
Steele City	NE	Jefferson	831.317	831.412	0.095	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.095	0.001	0.094	0.000	0.000	0.000
Steele City	NE	Jefferson	831.412	831.467	0.055	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.055	0.000	0.055	0.000	0.000	0.000
Steele City	NE	Jefferson	831.467	831.598	0.132	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.132	0.001	0.130	0.000	0.000	0.000
Steele City	NE	Jefferson	831.598	831.661	0.063	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.063	0.000	0.063	0.000	0.000	0.000
Steele City	NE	Jefferson	831.661	831.723	0.062	NE095	Mayberry silty clay loam, 7 to 11 percent slopes	0.000	0.062	0.000	0.000	0.000	0.062	0.000	0.000	0.000
Steele City	NE	Jefferson	831.723	831.798	0.075	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.075	0.000	0.075	0.000	0.000	0.000
Steele City	NE	Jefferson	831.798	831.872	0.074	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.074	0.001	0.073	0.000	0.000	0.000
Steele City	NE	Jefferson	831.872	832.104	0.232	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.232	0.000	0.232	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Jefferson	832.104	832.157	0.053	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.053	0.001	0.053	0.000	0.000	0.000
Steele City	NE	Jefferson	832.157	832.167	0.010	NE095	Mayberry silty clay loam, 7 to 11 percent slopes	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.000
Steele City	NE	Jefferson	832.167	832.196	0.028	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.028	0.000	0.028	0.000	0.000	0.000
Steele City	NE	Jefferson	832.196	832.324	0.128	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.128	0.000	0.128	0.000	0.000	0.000
Steele City	NE	Jefferson	832.324	832.338	0.014	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.014	0.000	0.014	0.000	0.000	0.000
Steele City	NE	Jefferson	832.338	832.526	0.188	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.188	0.000	0.188	0.000	0.000	0.000
Steele City	NE	Jefferson	832.526	832.572	0.046	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.046	0.000	0.046	0.000	0.000	0.000
Steele City	NE	Jefferson	832.572	832.631	0.059	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.059	0.000	0.059	0.000	0.000	0.000
Steele City	NE	Jefferson	832.631	832.778	0.146	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.000	0.146	0.000	0.000	0.000	0.146	0.000	0.000	0.000
Steele City	NE	Jefferson	832.778	832.850	0.072	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.072	0.000	0.072	0.000	0.000	0.000
Steele City	NE	Jefferson	832.850	832.896	0.046	NE095	Nodaway silt loam, occasionally flooded	0.000	0.000	0.000	0.046	0.001	0.046	0.000	0.000	0.000
Steele City	NE	Jefferson	832.896	832.915	0.019	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.019	0.000	0.019	0.000	0.000	0.000
Steele City	NE	Jefferson	832.915	832.962	0.047	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.047	0.000	0.047	0.000	0.000	0.000
Steele City	NE	Jefferson	832.962	833.006	0.044	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.044	0.000	0.043	0.000	0.000	0.000
Steele City	NE	Jefferson	833.006	833.102	0.096	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.096	0.000	0.096	0.000	0.000	0.000
Steele City	NE	Jefferson	833.102	833.393	0.291	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.291	0.000	0.291	0.000	0.000	0.000
Steele City	NE	Jefferson	833.393	833.502	0.109	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.109	0.001	0.108	0.000	0.000	0.000
Steele City	NE	Jefferson	833.502	833.561	0.059	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.059	0.000	0.059	0.000	0.000	0.000
Steele City	NE	Jefferson	833.561	833.706	0.144	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.144	0.001	0.143	0.000	0.000	0.000
Steele City	NE	Jefferson	833.706	833.839	0.134	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.134	0.000	0.134	0.000	0.000	0.000
Steele City	NE	Jefferson	833.839	833.887	0.048	NE095	Morrill clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.048	0.000	0.048	0.048	0.000	0.000
Steele City	NE	Jefferson	833.887	833.934	0.047	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.000	0.047	0.000	0.000	0.000	0.047	0.047	0.000	0.000
Steele City	NE	Jefferson	833.934	833.964	0.030	NE095	Judson silt loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.030	0.000	0.030	0.000	0.000	0.000
Steele City	NE	Jefferson	833.964	834.226	0.262	NE095	Kennebec silt loam, rarely flooded, cool	0.000	0.000	0.000	0.262	0.000	0.262	0.000	0.000	0.000
Steele City	NE	Jefferson	834.226	834.241	0.015	NE095	Nodaway silt loam, occasionally flooded	0.000	0.000	0.000	0.015	0.000	0.015	0.000	0.000	0.000
Steele City	NE	Jefferson	834.241	834.260	0.019	NE095	Nodaway silt loam, channeled, occasionally flooded	0.000	0.000	0.000	0.000	0.000	0.019	0.000	0.000	0.000
Steele City	NE	Jefferson	834.260	834.275	0.015	NE095	Nodaway silt loam, occasionally flooded	0.000	0.000	0.000	0.015	0.000	0.015	0.000	0.000	0.000
Steele City	NE	Jefferson	834.275	834.325	0.050	NE095	Kennebec silt loam, rarely flooded, cool	0.000	0.000	0.000	0.050	0.000	0.050	0.000	0.000	0.000
Steele City	NE	Jefferson	834.325	834.487	0.163	NE095	Malcolm silt loam, 7 to 11 percent slopes, eroded	0.000	0.163	0.000	0.000	0.000	0.163	0.000	0.000	0.000
Steele City	NE	Jefferson	834.487	834.530	0.043	NE095	Burchard clay loam, 3 to 7 percent slopes	0.000	0.000	0.000	0.043	0.000	0.043	0.000	0.000	0.000
Steele City	NE	Jefferson	834.530	834.580	0.050	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.050	0.000	0.050	0.000	0.000	0.000
Steele City	NE	Jefferson	834.580	834.626	0.046	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.046	0.000	0.046	0.000	0.000	0.000
Steele City	NE	Jefferson	834.626	834.672	0.046	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.046	0.000	0.046	0.000	0.000	0.000
Steele City	NE	Jefferson	834.672	834.875	0.203	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.203	0.000	0.203	0.000	0.000	0.000
Steele City	NE	Jefferson	834.875	834.938	0.063	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.000	0.063	0.000	0.000	0.000	0.063	0.063	0.000	0.000
Steele City	NE	Jefferson	834.938	834.994	0.056	NE095	Judson silt loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.056	0.000	0.056	0.000	0.000	0.000
Steele City	NE	Jefferson	834.994	835.125	0.131	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.000	0.131	0.000	0.000	0.000	0.131	0.131	0.000	0.000
Steele City	NE	Jefferson	835.125	835.171	0.046	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.046	0.000	0.046	0.000	0.000	0.000
Steele City	NE	Jefferson	835.171	835.245	0.074	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.074	0.000	0.074	0.000	0.000	0.000
Steele City	NE	Jefferson	835.245	835.460	0.215	NE095	Nodaway silt loam, occasionally flooded	0.000	0.000	0.000	0.215	0.004	0.215	0.000	0.000	0.000
Steele City	NE	Jefferson	835.460	835.464	0.005	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.005	0.000	0.005	0.000	0.000	0.000
Steele City	NE	Jefferson	835.464	835.592	0.128	NE095	Burchard clay loam, 3 to 7 percent slopes	0.000	0.000	0.000	0.128	0.000	0.128	0.000	0.000	0.000
Steele City	NE	Jefferson	835.592	835.878	0.285	NE095	Nodaway silt loam, occasionally flooded	0.000	0.000	0.000	0.285	0.006	0.285	0.000	0.000	0.000
Steele City	NE	Jefferson	835.878	835.940	0.062	NE095	Nodaway silt loam, channeled, occasionally flooded	0.000	0.000	0.000	0.000	0.001	0.062	0.000	0.000	0.000
Steele City	NE	Jefferson	835.940	835.976	0.036	NE095	Malcolm silt loam, 7 to 11 percent slopes, eroded	0.000	0.036	0.000	0.000	0.000	0.036	0.000	0.000	0.000
Steele City	NE	Jefferson	835.976	836.050	0.074	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.074	0.000	0.074	0.000	0.000	0.000
Steele City	NE	Jefferson	836.050	836.087	0.037	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.037	0.000	0.037	0.000	0.000	0.000
Steele City	NE	Jefferson	836.087	836.130	0.043	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.043	0.000	0.043	0.000	0.000	0.000
Steele City	NE	Jefferson	836.130	836.160	0.029	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.029	0.000	0.029	0.000	0.000	0.000
Steele City	NE	Jefferson	836.160	836.311	0.152	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.152	0.000	0.152	0.000	0.000	0.000
Steele City	NE	Jefferson	836.311	836.376	0.065	NE095	Burchard clay loam, 7 to 11 percent slopes, severely eroded	0.000	0.065	0.000	0.065	0.000	0.065	0.000	0.000	0.000
Steele City	NE	Jefferson	836.376	836.399	0.023	NE095	Nodaway silt loam, occasionally flooded	0.000	0.000	0.000	0.023	0.000	0.023	0.000	0.000	0.000
Steele City	NE	Jefferson	836.399	836.421	0.023	NE095	Nodaway silt loam, channeled, occasionally flooded	0.000	0.000	0.000	0.000	0.000	0.023	0.000	0.000	0.000
Steele City	NE	Jefferson	836.421	836.482	0.060	NE095	Nodaway silt loam, occasionally flooded	0.000	0.000	0.000	0.060	0.001	0.060	0.000	0.000	0.000
Steele City	NE	Jefferson	836.482	836.501	0.019	NE095	Nodaway silt loam, channeled, occasionally flooded	0.000	0.000	0.000	0.000	0.000	0.019	0.000	0.000	0.000
Steele City	NE	Jefferson	836.501	836.517	0.016	NE095	Nodaway silt loam, occasionally flooded	0.000	0.000	0.000	0.016	0.000	0.016	0.000	0.000	0.000
Steele City	NE	Jefferson	836.517	836.579	0.061	NE095	Burchard clay loam, 7 to 11 percent slopes, severely eroded	0.000	0.061	0.000	0.061	0.000	0.061	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Jefferson	836.579	836.710	0.131	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.131	0.000	0.131	0.000	0.000	0.000
Steele City	NE	Jefferson	836.710	836.729	0.020	NE095	Burchard clay loam, 7 to 11 percent slopes, severely eroded	0.000	0.020	0.000	0.020	0.000	0.020	0.000	0.000	0.000
Steele City	NE	Jefferson	836.729	836.790	0.060	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.060	0.000	0.060	0.000	0.000	0.000
Steele City	NE	Jefferson	836.790	837.014	0.225	NE095	Burchard clay loam, 7 to 11 percent slopes, severely eroded	0.000	0.225	0.000	0.225	0.000	0.225	0.000	0.000	0.000
Steele City	NE	Jefferson	837.014	837.086	0.072	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.072	0.000	0.072	0.000	0.000	0.000
Steele City	NE	Jefferson	837.086	837.211	0.125	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.125	0.001	0.124	0.000	0.000	0.000
Steele City	NE	Jefferson	837.211	837.316	0.104	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.104	0.000	0.104	0.000	0.000	0.000
Steele City	NE	Jefferson	837.316	837.448	0.133	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.133	0.000	0.133	0.000	0.000	0.000
Steele City	NE	Jefferson	837.448	837.502	0.053	NE095	Butler silt loam	0.000	0.000	0.000	0.053	0.001	0.053	0.000	0.000	0.000
Steele City	NE	Jefferson	837.502	837.552	0.050	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.050	0.000	0.049	0.000	0.000	0.000
Steele City	NE	Jefferson	837.552	837.619	0.067	NE095	Burchard clay loam, 11 to 30 percent slopes	0.000	0.067	0.000	0.000	0.000	0.067	0.000	0.000	0.000
Steele City	NE	Jefferson	837.619	837.672	0.053	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.053	0.000	0.053	0.000	0.000	0.000
Steele City	NE	Jefferson	837.672	837.791	0.119	NE095	Burchard clay loam, 11 to 30 percent slopes	0.000	0.119	0.000	0.000	0.000	0.119	0.000	0.000	0.000
Steele City	NE	Jefferson	837.791	837.848	0.057	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.057	0.000	0.057	0.000	0.000	0.000
Steele City	NE	Jefferson	837.848	837.966	0.118	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.118	0.001	0.117	0.000	0.000	0.000
Steele City	NE	Jefferson	837.966	838.241	0.275	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.275	0.000	0.275	0.000	0.000	0.000
Steele City	NE	Jefferson	838.241	838.334	0.093	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.093	0.001	0.092	0.000	0.000	0.000
Steele City	NE	Jefferson	838.334	838.736	0.402	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.402	0.000	0.402	0.000	0.000	0.000
Steele City	NE	Jefferson	838.736	838.803	0.067	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.067	0.001	0.067	0.000	0.000	0.000
Steele City	NE	Jefferson	838.803	838.919	0.116	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.116	0.000	0.116	0.000	0.000	0.000
Steele City	NE	Jefferson	838.919	838.981	0.062	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.062	0.000	0.062	0.000	0.000	0.000
Steele City	NE	Jefferson	838.981	839.184	0.203	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.203	0.000	0.203	0.000	0.000	0.000
Steele City	NE	Jefferson	839.184	839.317	0.133	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.133	0.000	0.133	0.000	0.000	0.000
Steele City	NE	Jefferson	839.317	839.351	0.034	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.034	0.000	0.033	0.000	0.000	0.000
Steele City	NE	Jefferson	839.351	839.429	0.078	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.078	0.000	0.078	0.000	0.000	0.000
Steele City	NE	Jefferson	839.429	839.511	0.082	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.082	0.001	0.081	0.000	0.000	0.000
Steele City	NE	Jefferson	839.511	839.593	0.082	NE095	Burchard clay loam, 7 to 11 percent slopes	0.000	0.082	0.000	0.082	0.000	0.082	0.000	0.000	0.000
Steele City	NE	Jefferson	839.593	839.716	0.123	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.123	0.000	0.123	0.000	0.000	0.000
Steele City	NE	Jefferson	839.716	839.786	0.070	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.070	0.000	0.070	0.000	0.000	0.000
Steele City	NE	Jefferson	839.786	839.908	0.122	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.122	0.000	0.122	0.000	0.000	0.000
Steele City	NE	Jefferson	839.908	840.011	0.102	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.102	0.000	0.102	0.000	0.000	0.000
Steele City	NE	Jefferson	840.011	840.065	0.054	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.054	0.000	0.054	0.000	0.000	0.000
Steele City	NE	Jefferson	840.065	840.131	0.066	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.066	0.001	0.066	0.000	0.000	0.000
Steele City	NE	Jefferson	840.131	840.347	0.216	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.216	0.000	0.216	0.000	0.000	0.000
Steele City	NE	Jefferson	840.347	840.383	0.036	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.036	0.000	0.036	0.000	0.000	0.000
Steele City	NE	Jefferson	840.383	840.474	0.090	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.090	0.000	0.090	0.000	0.000	0.000
Steele City	NE	Jefferson	840.474	840.503	0.029	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.029	0.000	0.028	0.000	0.000	0.000
Steele City	NE	Jefferson	840.503	840.602	0.099	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.099	0.000	0.099	0.000	0.000	0.000
Steele City	NE	Jefferson	840.602	840.624	0.022	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.022	0.000	0.022	0.000	0.000	0.000
Steele City	NE	Jefferson	840.624	840.642	0.018	NE095	Hastings silty clay loam, 3 to 11 percent slopes, severely eroded	0.000	0.018	0.000	0.000	0.000	0.018	0.000	0.000	0.000
Steele City	NE	Jefferson	840.642	840.691	0.049	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.049	0.000	0.049	0.000	0.000	0.000
Steele City	NE	Jefferson	840.691	840.726	0.035	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.035	0.000	0.035	0.000	0.000	0.000
Steele City	NE	Jefferson	840.726	840.771	0.044	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.044	0.000	0.044	0.000	0.000	0.000
Steele City	NE	Jefferson	840.771	840.813	0.042	NE095	Hastings silty clay loam, 3 to 11 percent slopes, severely eroded	0.000	0.042	0.000	0.000	0.000	0.042	0.000	0.000	0.000
Steele City	NE	Jefferson	840.813	840.916	0.104	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.104	0.001	0.103	0.000	0.000	0.000
Steele City	NE	Jefferson	840.916	840.996	0.079	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.079	0.000	0.079	0.000	0.000	0.000
Steele City	NE	Jefferson	840.996	841.063	0.067	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.067	0.001	0.067	0.000	0.000	0.000
Steele City	NE	Jefferson	841.063	841.176	0.113	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.113	0.000	0.113	0.000	0.000	0.000
Steele City	NE	Jefferson	841.176	841.389	0.213	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.213	0.002	0.211	0.000	0.000	0.000
Steele City	NE	Jefferson	841.389	841.480	0.091	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.091	0.000	0.091	0.000	0.000	0.000
Steele City	NE	Jefferson	841.480	841.670	0.190	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.190	0.002	0.188	0.000	0.000	0.000
Steele City	NE	Jefferson	841.670	841.887	0.217	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.217	0.000	0.217	0.000	0.000	0.000
Steele City	NE	Jefferson	841.887	841.956	0.068	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.068	0.000	0.068	0.000	0.000	0.000
Steele City	NE	Jefferson	841.956	842.017	0.061	NE095	Nodaway silt loam, occasionally flooded	0.000	0.000	0.000	0.061	0.001	0.061	0.000	0.000	0.000
Steele City	NE	Jefferson	842.017	842.056	0.039	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.039	0.000	0.039	0.000	0.000	0.000
Steele City	NE	Jefferson	842.056	842.180	0.123	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.000	0.123	0.000	0.000	0.000	0.123	0.000	0.000	0.000
Steele City	NE	Jefferson	842.180	842.217	0.037	NE095	Hastings silty clay loam, 3 to 11 percent slopes, severely eroded	0.000	0.037	0.000	0.000	0.000	0.037	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Jefferson	842.217	842.240	0.023	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.023	0.000	0.023	0.000	0.000	0.000
Steele City	NE	Jefferson	842.240	842.325	0.085	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.085	0.001	0.084	0.000	0.000	0.000
Steele City	NE	Jefferson	842.325	842.487	0.161	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.161	0.000	0.161	0.000	0.000	0.000
Steele City	NE	Jefferson	842.487	842.663	0.176	NE095	Morrill clay loam, 11 to 30 percent slopes	0.000	0.176	0.000	0.000	0.000	0.176	0.176	0.000	0.000
Steele City	NE	Jefferson	842.663	842.778	0.115	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.115	0.001	0.114	0.000	0.000	0.000
Steele City	NE	Jefferson	842.778	843.103	0.325	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.325	0.000	0.325	0.000	0.000	0.000
Steele City	NE	Jefferson	843.103	843.351	0.249	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.249	0.002	0.246	0.000	0.000	0.000
Steele City	NE	Jefferson	843.351	843.481	0.130	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.130	0.000	0.130	0.000	0.000	0.000
Steele City	NE	Jefferson	843.481	843.520	0.039	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.000	0.039	0.000	0.000	0.000	0.039	0.000	0.000	0.000
Steele City	NE	Jefferson	843.520	843.763	0.243	NE095	Nodaway silt loam, occasionally flooded	0.000	0.000	0.000	0.243	0.005	0.243	0.000	0.000	0.000
Steele City	NE	Jefferson	843.763	843.873	0.110	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.000	0.110	0.000	0.000	0.000	0.110	0.000	0.000	0.000
Steele City	NE	Jefferson	843.873	843.898	0.025	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.025	0.000	0.025	0.000	0.000	0.000
Steele City	NE	Jefferson	843.898	843.922	0.024	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.000	0.024	0.000	0.000	0.000	0.024	0.000	0.000	0.000
Steele City	NE	Jefferson	843.922	844.011	0.090	NE095	Nodaway silt loam, occasionally flooded	0.000	0.000	0.000	0.090	0.002	0.090	0.000	0.000	0.000
Steele City	NE	Jefferson	844.011	844.059	0.048	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.048	0.000	0.048	0.000	0.000	0.000
Steele City	NE	Jefferson	844.059	844.266	0.207	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.207	0.000	0.207	0.000	0.000	0.000
Steele City	NE	Jefferson	844.266	844.335	0.069	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.069	0.001	0.069	0.000	0.000	0.000
Steele City	NE	Jefferson	844.335	844.940	0.605	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.605	0.000	0.605	0.000	0.000	0.000
Steele City	NE	Jefferson	844.940	844.991	0.051	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.051	0.001	0.051	0.000	0.000	0.000
Steele City	NE	Jefferson	844.991	845.208	0.217	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.217	0.000	0.217	0.000	0.000	0.000
Steele City	NE	Jefferson	845.208	845.476	0.268	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.268	0.003	0.266	0.000	0.000	0.000
Steele City	NE	Jefferson	845.476	845.585	0.109	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.109	0.000	0.109	0.000	0.000	0.000
Steele City	NE	Jefferson	845.585	845.639	0.053	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.053	0.000	0.053	0.000	0.000	0.000
Steele City	NE	Jefferson	845.639	845.694	0.056	NE095	Hastings silty clay loam, 3 to 11 percent slopes, severely eroded	0.000	0.056	0.000	0.000	0.000	0.056	0.000	0.000	0.000
Steele City	NE	Jefferson	845.694	845.755	0.060	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.060	0.000	0.060	0.000	0.000	0.000
Steele City	NE	Jefferson	845.755	845.841	0.086	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.086	0.000	0.086	0.000	0.000	0.000
Steele City	NE	Jefferson	845.841	846.091	0.250	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000
Steele City	NE	Jefferson	846.091	846.266	0.175	NE095	Nodaway silt loam, occasionally flooded	0.000	0.000	0.000	0.175	0.004	0.175	0.000	0.000	0.000
Steele City	NE	Jefferson	846.266	846.328	0.062	NE095	Nodaway silt loam, channeled, occasionally flooded	0.000	0.000	0.000	0.000	0.001	0.062	0.000	0.000	0.000
Steele City	NE	Jefferson	846.328	846.447	0.119	NE095	Nodaway silt loam, occasionally flooded	0.000	0.000	0.000	0.119	0.002	0.119	0.000	0.000	0.000
Steele City	NE	Jefferson	846.447	846.518	0.071	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.000	0.071	0.000	0.000	0.000	0.071	0.000	0.000	0.000
Steele City	NE	Jefferson	846.518	846.608	0.090	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.090	0.000	0.090	0.000	0.000	0.000
Steele City	NE	Jefferson	846.608	846.675	0.067	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.067	0.001	0.066	0.000	0.000	0.000
Steele City	NE	Jefferson	846.675	846.756	0.081	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.081	0.000	0.081	0.000	0.000	0.000
Steele City	NE	Jefferson	846.756	846.826	0.070	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.000	0.070	0.000	0.000	0.000	0.070	0.000	0.000	0.000
Steele City	NE	Jefferson	846.826	846.899	0.073	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.073	0.000	0.073	0.000	0.000	0.000
Steele City	NE	Jefferson	846.899	846.995	0.096	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.096	0.001	0.095	0.000	0.000	0.000
Steele City	NE	Jefferson	846.995	847.072	0.076	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.076	0.000	0.076	0.000	0.000	0.000
Steele City	NE	Jefferson	847.072	847.192	0.121	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.121	0.000	0.121	0.000	0.000	0.000
Steele City	NE	Jefferson	847.192	847.272	0.080	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.080	0.001	0.079	0.000	0.000	0.000
Steele City	NE	Jefferson	847.272	847.325	0.052	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.052	0.000	0.052	0.000	0.000	0.000
Steele City	NE	Jefferson	847.325	847.488	0.163	NE095	Morrill clay loam, 11 to 30 percent slopes	0.000	0.163	0.000	0.000	0.000	0.163	0.163	0.000	0.000
Steele City	NE	Jefferson	847.488	847.577	0.089	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.089	0.000	0.089	0.000	0.000	0.000
Steele City	NE	Jefferson	847.577	847.648	0.071	NE095	Morrill clay loam, 11 to 30 percent slopes	0.000	0.071	0.000	0.000	0.000	0.071	0.071	0.000	0.000
Steele City	NE	Jefferson	847.648	847.866	0.217	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.217	0.000	0.217	0.000	0.000	0.000
Steele City	NE	Jefferson	847.866	847.939	0.073	NE095	Hastings silty clay loam, 3 to 11 percent slopes, severely eroded	0.000	0.073	0.000	0.000	0.000	0.073	0.000	0.000	0.000
Steele City	NE	Jefferson	847.939	848.006	0.067	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.067	0.000	0.067	0.000	0.000	0.000
Steele City	NE	Jefferson	848.006	848.131	0.125	NE095	Crete silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.125	0.001	0.124	0.000	0.000	0.000
Steele City	NE	Jefferson	848.131	848.485	0.354	NE095	Crete silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.354	0.000	0.354	0.000	0.000	0.000
Steele City	NE	Jefferson	848.485	848.603	0.118	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.118	0.000	0.118	0.000	0.000	0.000
Steele City	NE	Jefferson	848.603	848.649	0.045	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.045	0.000	0.045	0.000	0.000	0.000
Steele City	NE	Jefferson	848.649	848.659	0.010	NE095	Rough stony land	0.000	0.010	0.000	0.000	0.000	0.000	0.010	0.010	0.000
Steele City	NE	Jefferson	848.659	848.745	0.086	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.086	0.000	0.086	0.000	0.000	0.000
Steele City	NE	Jefferson	848.745	848.844	0.100	NE095	Rough stony land	0.000	0.100	0.000	0.000	0.000	0.000	0.100	0.100	0.000
Steele City	NE	Jefferson	848.844	849.034	0.190	NE095	Mayberry silty clay loam, 7 to 11 percent slopes	0.000	0.190	0.000	0.000	0.000	0.190	0.000	0.000	0.000
Steele City	NE	Jefferson	849.034	849.165	0.131	NE095	Lancaster and Edalgo soils, 11 to 30 percent slopes	0.000	0.131	0.000	0.000	0.000	0.131	0.000	0.000	0.000
Steele City	NE	Jefferson	849.165	849.196	0.031	NE095	Edalgo silty clay loam, 7 to 11 percent slopes	0.000	0.031	0.000	0.000	0.000	0.031	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Steele City	NE	Jefferson	849.196	849.222	0.026	NE095	Lancaster and Edalgo soils, 11 to 30 percent slopes	0.000	0.026	0.000	0.000	0.000	0.026	0.000	0.000	0.000
Steele City	NE	Jefferson	849.222	849.351	0.129	NE095	Rough stony land	0.000	0.129	0.000	0.000	0.000	0.000	0.129	0.129	0.000
Steele City	NE	Jefferson	849.351	849.407	0.056	NE095	Edalgo silty clay loam, 7 to 11 percent slopes	0.000	0.056	0.000	0.000	0.000	0.056	0.000	0.000	0.000
Steele City	NE	Jefferson	849.407	849.425	0.017	NE095	Lancaster and Edalgo soils, 11 to 30 percent slopes	0.000	0.017	0.000	0.000	0.000	0.017	0.000	0.000	0.000
Steele City	NE	Jefferson	849.425	849.506	0.081	NE095	Rough stony land	0.000	0.081	0.000	0.000	0.000	0.000	0.081	0.081	0.000
Steele City	NE	Jefferson	849.506	849.619	0.113	NE095	Lancaster and Edalgo soils, 11 to 30 percent slopes	0.000	0.113	0.000	0.000	0.000	0.113	0.000	0.000	0.000
Steele City	NE	Jefferson	849.619	849.724	0.106	NE095	Lancaster loam, 7 to 11 percent slopes	0.000	0.106	0.000	0.000	0.000	0.106	0.000	0.000	0.000
Steele City	NE	Jefferson	849.724	850.215	0.491	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.491	0.000	0.491	0.000	0.000	0.000
Steele City	NE	Jefferson	850.215	850.289	0.074	NE095	Geary and Jansen soils, 5 to 11 percent slopes, severely eroded	0.000	0.074	0.000	0.000	0.000	0.074	0.037	0.000	0.037
Steele City	NE	Jefferson	850.289	850.545	0.255	NE095	Geary and Jansen soils, 5 to 11 percent slopes	0.000	0.255	0.000	0.000	0.000	0.255	0.128	0.000	0.128
Steele City	NE	Jefferson	850.545	850.655	0.110	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.110	0.000	0.110	0.000	0.000	0.000
Steele City	NE	Jefferson	850.655	850.681	0.027	NE095	Geary and Jansen soils, 5 to 11 percent slopes	0.000	0.027	0.000	0.000	0.000	0.027	0.013	0.000	0.013
Steele City	NE	Jefferson	850.681	850.726	0.045	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.000	0.000	0.000	0.045	0.000	0.045	0.000	0.000	0.000
GULF COAST SEGMENT																
Gulf Coast	OK	Lincoln	0.000	0.038	0.0385	OK081	Seminole loam, 1 to 3 percent slopes	0.000	0.000	0.037	0.000	0.000	0.038	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	0.038	0.098	0.0590	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.055	0.000	0.000	0.059	0.001	0.000	0.000
Gulf Coast	OK	Lincoln	0.098	0.231	0.1333	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.127	0.000	0.000	0.000	0.087	0.040	0.000	0.000
Gulf Coast	OK	Lincoln	0.231	0.416	0.1854	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.174	0.000	0.000	0.185	0.004	0.000	0.000
Gulf Coast	OK	Lincoln	0.416	0.476	0.0596	OK081	Seminole loam, 3 to 5 percent slopes	0.000	0.000	0.057	0.000	0.000	0.060	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	0.476	0.633	0.1575	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.047	0.000	0.000	0.157	0.094	0.000	0.000
Gulf Coast	OK	Lincoln	0.633	0.930	0.2971	OK081	Seminole loam, 3 to 5 percent slopes	0.000	0.000	0.282	0.000	0.000	0.297	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	0.930	1.015	0.0843	OK081	Teller loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.084	0.004	0.000	0.004
Gulf Coast	OK	Lincoln	1.015	1.039	0.0245	OK081	Easpur loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.025	0.000	0.001	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	1.039	1.115	0.0758	OK081	Teller loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.076	0.004	0.000	0.004
Gulf Coast	OK	Lincoln	1.115	1.295	0.1795	OK081	Easpur loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.180	0.000	0.009	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	1.295	1.422	0.1271	OK081	Ashport, Port, and Pulaski soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.086	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	1.422	1.730	0.3084	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.293	0.000	0.000	0.000	0.200	0.093	0.000	0.000
Gulf Coast	OK	Lincoln	1.730	1.866	0.1363	OK081	Stephenville fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.136	0.000	0.129	0.123	0.000	0.136
Gulf Coast	OK	Lincoln	1.866	2.026	0.1600	OK081	Renthin silty clay loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.008	0.000	0.000	0.160	0.144	0.000	0.000
Gulf Coast	OK	Lincoln	2.026	2.214	0.1875	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.056	0.000	0.000	0.187	0.112	0.000	0.000
Gulf Coast	OK	Lincoln	2.214	2.431	0.2174	OK081	Zaneis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.217	0.000	0.217	0.207	0.000	0.000
Gulf Coast	OK	Lincoln	2.431	2.529	0.0978	OK081	Lawrie silt loam, 0 to 1 percent slopes, rarely flooded	0.000	0.000	0.000	0.098	0.000	0.093	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	2.529	2.585	0.0560	OK081	Ashport, Port, and Pulaski soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.038	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	2.585	2.648	0.0631	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.025	0.000	0.000	0.000	0.025	0.021	0.000	0.060
Gulf Coast	OK	Lincoln	2.648	2.735	0.0864	OK081	Stephenville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.086	0.000	0.082	0.078	0.000	0.086
Gulf Coast	OK	Lincoln	2.735	2.853	0.1187	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.036	0.000	0.000	0.119	0.071	0.000	0.000
Gulf Coast	OK	Lincoln	2.853	2.986	0.1329	OK081	Seminole loam, 1 to 3 percent slopes	0.000	0.000	0.126	0.000	0.000	0.133	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	2.986	3.036	0.0498	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.047	0.000	0.000	0.050	0.001	0.000	0.000
Gulf Coast	OK	Lincoln	3.036	3.154	0.1176	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.035	0.000	0.000	0.118	0.071	0.000	0.000
Gulf Coast	OK	Lincoln	3.154	3.262	0.1086	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.103	0.000	0.000	0.000	0.071	0.033	0.000	0.000
Gulf Coast	OK	Lincoln	3.262	3.333	0.0703	OK081	Lawrie silt loam, 0 to 1 percent slopes, rarely flooded	0.000	0.000	0.000	0.070	0.000	0.067	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	3.333	3.387	0.0546	OK081	Ashport, Port, and Pulaski soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.037	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	3.387	3.404	0.0166	OK081	Lawrie silt loam, 0 to 1 percent slopes, rarely flooded	0.000	0.000	0.000	0.017	0.000	0.016	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	3.404	3.456	0.0518	OK081	Ashport, Port, and Pulaski soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.035	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	3.456	3.599	0.1436	OK081	Lawrie silt loam, 0 to 1 percent slopes, rarely flooded	0.000	0.000	0.000	0.144	0.000	0.136	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	3.599	3.712	0.1132	OK081	Seminole loam, 3 to 5 percent slopes	0.000	0.000	0.108	0.000	0.000	0.113	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	3.712	3.742	0.0298	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.012	0.000	0.000	0.000	0.012	0.010	0.000	0.028
Gulf Coast	OK	Lincoln	3.742	3.970	0.2274	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.216	0.000	0.000	0.000	0.148	0.068	0.000	0.000
Gulf Coast	OK	Lincoln	3.970	4.103	0.1336	OK081	Coyle loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.134	0.000	0.134	0.134	0.000	0.000
Gulf Coast	OK	Lincoln	4.103	4.552	0.4487	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.426	0.000	0.000	0.000	0.292	0.135	0.000	0.000
Gulf Coast	OK	Lincoln	4.552	4.630	0.0785	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.031	0.000	0.000	0.000	0.031	0.026	0.000	0.075
Gulf Coast	OK	Lincoln	4.630	5.064	0.4333	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.412	0.000	0.000	0.000	0.282	0.130	0.000	0.000
Gulf Coast	OK	Lincoln	5.064	5.130	0.0667	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.027	0.000	0.000	0.000	0.027	0.022	0.000	0.063
Gulf Coast	OK	Lincoln	5.130	5.131	0.0005	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	5.131	5.366	0.2346	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.070	0.000	0.000	0.235	0.141	0.000	0.000
Gulf Coast	OK	Lincoln	5.366	5.452	0.0862	OK081	Seminole loam, 3 to 5 percent slopes	0.000	0.000	0.082	0.000	0.000	0.086	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	5.452	5.494	0.0426	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.040	0.000	0.000	0.000	0.028	0.013	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Lincoln	5.494	5.648	0.1537	OK081	Seminole loam, 3 to 5 percent slopes	0.000	0.000	0.146	0.000	0.000	0.154	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	5.648	5.761	0.1132	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.108	0.000	0.000	0.000	0.074	0.034	0.000	0.000
Gulf Coast	OK	Lincoln	5.761	5.816	0.0551	OK081	Seminole loam, 3 to 5 percent slopes	0.000	0.000	0.052	0.000	0.000	0.055	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	5.816	5.855	0.0386	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.037	0.000	0.000	0.000	0.025	0.012	0.000	0.000
Gulf Coast	OK	Lincoln	5.855	5.911	0.0564	OK081	Seminole loam, 3 to 5 percent slopes	0.000	0.000	0.054	0.000	0.000	0.056	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	5.911	6.198	0.2867	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.269	0.000	0.000	0.287	0.006	0.000	0.000
Gulf Coast	OK	Lincoln	6.198	6.482	0.2837	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.085	0.000	0.000	0.284	0.170	0.000	0.000
Gulf Coast	OK	Lincoln	6.482	6.532	0.0508	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.048	0.000	0.000	0.000	0.033	0.015	0.000	0.000
Gulf Coast	OK	Lincoln	6.532	6.713	0.1804	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.054	0.000	0.000	0.180	0.108	0.000	0.000
Gulf Coast	OK	Lincoln	6.713	6.865	0.1524	OK081	Seminole loam, 3 to 5 percent slopes	0.000	0.000	0.145	0.000	0.000	0.152	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	6.865	6.909	0.0441	OK081	Seminole loam, 1 to 3 percent slopes	0.000	0.000	0.042	0.000	0.000	0.044	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	6.909	6.944	0.0348	OK081	Seminole loam, 3 to 5 percent slopes	0.000	0.000	0.033	0.000	0.000	0.035	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	6.944	7.674	0.7301	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.694	0.000	0.000	0.000	0.475	0.219	0.000	0.000
Gulf Coast	OK	Lincoln	7.674	7.727	0.0526	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.032	0.000	0.000	0.000	0.053	0.032	0.000	0.000
Gulf Coast	OK	Lincoln	7.727	7.862	0.1347	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.127	0.000	0.000	0.135	0.003	0.000	0.000
Gulf Coast	OK	Lincoln	7.862	7.921	0.0598	OK081	Lawrie silt loam, 0 to 1 percent slopes, rarely flooded	0.000	0.000	0.000	0.060	0.000	0.057	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	7.921	7.951	0.0298	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.028	0.000	0.000	0.000	0.019	0.009	0.000	0.000
Gulf Coast	OK	Lincoln	7.951	7.973	0.0219	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.009	0.000	0.000	0.000	0.009	0.007	0.000	0.021
Gulf Coast	OK	Lincoln	7.973	8.022	0.0486	OK081	Coyle loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.049	0.000	0.049	0.049	0.000	0.000
Gulf Coast	OK	Lincoln	8.022	8.111	0.0892	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.036	0.000	0.000	0.000	0.036	0.029	0.000	0.085
Gulf Coast	OK	Lincoln	8.111	8.222	0.1113	OK081	Coyle loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.111	0.000	0.111	0.111	0.000	0.000
Gulf Coast	OK	Lincoln	8.222	8.335	0.1125	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.106	0.000	0.000	0.112	0.002	0.000	0.000
Gulf Coast	OK	Lincoln	8.335	8.387	0.0523	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.021	0.000	0.000	0.000	0.021	0.017	0.000	0.050
Gulf Coast	OK	Lincoln	8.387	8.456	0.0695	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.065	0.000	0.000	0.069	0.001	0.000	0.000
Gulf Coast	OK	Lincoln	8.456	8.532	0.0751	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.030	0.000	0.000	0.000	0.030	0.025	0.000	0.071
Gulf Coast	OK	Lincoln	8.532	8.731	0.1991	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.187	0.000	0.000	0.199	0.004	0.000	0.000
Gulf Coast	OK	Lincoln	8.731	8.795	0.0647	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.039	0.000	0.000	0.000	0.065	0.039	0.000	0.000
Gulf Coast	OK	Lincoln	8.795	8.892	0.0963	OK081	Seminole loam, 3 to 5 percent slopes	0.000	0.000	0.091	0.000	0.000	0.096	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	8.892	8.930	0.0379	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.036	0.000	0.000	0.038	0.001	0.000	0.000
Gulf Coast	OK	Lincoln	8.930	9.001	0.0710	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.043	0.000	0.000	0.000	0.071	0.043	0.000	0.000
Gulf Coast	OK	Lincoln	9.001	9.037	0.0363	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.034	0.000	0.000	0.036	0.001	0.000	0.000
Gulf Coast	OK	Lincoln	9.037	9.175	0.1379	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.041	0.000	0.000	0.138	0.083	0.000	0.000
Gulf Coast	OK	Lincoln	9.175	9.370	0.1956	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.117	0.000	0.000	0.000	0.196	0.117	0.000	0.000
Gulf Coast	OK	Lincoln	9.370	9.452	0.0816	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.078	0.000	0.000	0.000	0.053	0.024	0.000	0.000
Gulf Coast	OK	Lincoln	9.452	9.469	0.0172	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.010	0.000	0.000	0.000	0.017	0.010	0.000	0.000
Gulf Coast	OK	Lincoln	9.469	9.550	0.0805	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.077	0.000	0.000	0.000	0.052	0.024	0.000	0.000
Gulf Coast	OK	Lincoln	9.550	9.748	0.1980	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.186	0.000	0.000	0.198	0.004	0.000	0.000
Gulf Coast	OK	Lincoln	9.748	9.847	0.0994	OK081	Renthin-Grainola complex, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.094	0.089	0.000	0.000
Gulf Coast	OK	Lincoln	9.847	10.102	0.2549	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.240	0.000	0.000	0.255	0.005	0.000	0.000
Gulf Coast	OK	Lincoln	10.102	10.139	0.0370	OK081	Seminole loam, 1 to 3 percent slopes	0.000	0.000	0.035	0.000	0.000	0.037	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	10.139	10.375	0.2364	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.222	0.000	0.000	0.236	0.005	0.000	0.000
Gulf Coast	OK	Lincoln	10.375	10.477	0.1013	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.030	0.000	0.000	0.101	0.061	0.000	0.000
Gulf Coast	OK	Lincoln	10.477	10.572	0.0951	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.057	0.000	0.000	0.000	0.095	0.057	0.000	0.000
Gulf Coast	OK	Lincoln	10.572	10.638	0.0666	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.063	0.000	0.000	0.067	0.001	0.000	0.000
Gulf Coast	OK	Lincoln	10.638	10.753	0.1141	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.068	0.000	0.000	0.000	0.114	0.068	0.000	0.000
Gulf Coast	OK	Lincoln	10.753	11.278	0.5250	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.494	0.000	0.000	0.525	0.011	0.000	0.000
Gulf Coast	OK	Lincoln	11.278	11.356	0.0788	OK081	Ashport, Port, and Pulaski soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.054	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	11.356	11.614	0.2579	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.242	0.000	0.000	0.258	0.005	0.000	0.000
Gulf Coast	OK	Lincoln	11.614	11.651	0.0366	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.011	0.000	0.000	0.037	0.022	0.000	0.000
Gulf Coast	OK	Lincoln	11.651	11.693	0.0422	OK081	Seminole loam, 1 to 3 percent slopes	0.000	0.000	0.040	0.000	0.000	0.042	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	11.693	11.833	0.1400	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.042	0.000	0.000	0.140	0.084	0.000	0.000
Gulf Coast	OK	Lincoln	11.833	11.909	0.0754	OK081	Seminole loam, 1 to 3 percent slopes	0.000	0.000	0.072	0.000	0.000	0.075	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	11.909	11.958	0.0494	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.015	0.000	0.000	0.049	0.030	0.000	0.000
Gulf Coast	OK	Lincoln	11.958	12.186	0.2280	OK081	Seminole loam, 1 to 3 percent slopes	0.000	0.000	0.217	0.000	0.000	0.228	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	12.186	12.640	0.4542	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.136	0.000	0.000	0.454	0.273	0.000	0.000
Gulf Coast	OK	Lincoln	12.640	12.693	0.0530	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.032	0.000	0.000	0.000	0.053	0.032	0.000	0.000
Gulf Coast	OK	Lincoln	12.693	12.823	0.1297	OK081	Seminole loam, 3 to 5 percent slopes	0.000	0.000	0.123	0.000	0.000	0.130	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Lincoln	12.823	12.880	0.0575	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.035	0.000	0.000	0.000	0.058	0.035	0.000	0.000
Gulf Coast	OK	Lincoln	12.880	13.108	0.2281	OK081	Seminole loam, 3 to 5 percent slopes	0.000	0.000	0.217	0.000	0.000	0.228	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	13.108	13.325	0.2164	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.065	0.000	0.000	0.216	0.130	0.000	0.000
Gulf Coast	OK	Lincoln	13.325	13.500	0.1749	OK081	Coyle loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.007	0.000	0.000	0.175	0.168	0.000	0.000
Gulf Coast	OK	Lincoln	13.500	13.513	0.0131	OK081	Stephenville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.013	0.000	0.012	0.012	0.000	0.013
Gulf Coast	OK	Lincoln	13.513	13.579	0.0664	OK081	Ashport, Port, and Pulaski soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.045	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	13.579	13.589	0.0100	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.003	0.000	0.000	0.010	0.006	0.000	0.000
Gulf Coast	OK	Lincoln	13.589	13.666	0.0765	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.072	0.000	0.000	0.076	0.002	0.000	0.000
Gulf Coast	OK	Lincoln	13.666	13.901	0.2357	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.071	0.000	0.000	0.236	0.141	0.000	0.000
Gulf Coast	OK	Lincoln	13.901	13.982	0.0809	OK081	Teller loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.081	0.000	0.081	0.006	0.000	0.004
Gulf Coast	OK	Lincoln	13.982	14.147	0.1647	OK081	Lawrie silt loam, 0 to 1 percent slopes, rarely flooded	0.000	0.000	0.000	0.165	0.000	0.156	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	14.147	14.211	0.0638	OK081	Ashport, Port, and Pulaski soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.043	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	14.211	14.255	0.0438	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.018	0.000	0.000	0.000	0.018	0.014	0.000	0.042
Gulf Coast	OK	Lincoln	14.255	14.326	0.0710	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.067	0.000	0.000	0.000	0.046	0.021	0.000	0.000
Gulf Coast	OK	Lincoln	14.326	14.406	0.0801	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.032	0.000	0.000	0.000	0.032	0.026	0.000	0.076
Gulf Coast	OK	Lincoln	14.406	14.422	0.0163	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.015	0.000	0.000	0.000	0.011	0.005	0.000	0.000
Gulf Coast	OK	Lincoln	14.422	14.498	0.0764	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.031	0.000	0.000	0.000	0.031	0.025	0.000	0.073
Gulf Coast	OK	Lincoln	14.498	14.521	0.0225	OK081	Stephenville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.022	0.000	0.021	0.020	0.000	0.022
Gulf Coast	OK	Lincoln	14.521	14.610	0.0894	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.084	0.000	0.000	0.089	0.002	0.000	0.000
Gulf Coast	OK	Lincoln	14.610	14.648	0.0381	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.015	0.000	0.000	0.000	0.015	0.013	0.000	0.036
Gulf Coast	OK	Lincoln	14.648	14.670	0.0221	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.007	0.000	0.000	0.022	0.013	0.000	0.000
Gulf Coast	OK	Lincoln	14.670	14.703	0.0329	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.013	0.000	0.000	0.000	0.013	0.011	0.000	0.031
Gulf Coast	OK	Lincoln	14.703	14.856	0.1528	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.046	0.000	0.000	0.153	0.092	0.000	0.000
Gulf Coast	OK	Lincoln	14.856	15.033	0.1772	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.071	0.000	0.000	0.000	0.071	0.058	0.000	0.168
Gulf Coast	OK	Lincoln	15.033	15.310	0.2770	OK081	Stephenville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.277	0.000	0.263	0.249	0.000	0.277
Gulf Coast	OK	Lincoln	15.310	15.411	0.1012	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.040	0.000	0.000	0.000	0.040	0.033	0.000	0.096
Gulf Coast	OK	Lincoln	15.411	15.534	0.1228	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.115	0.000	0.000	0.123	0.002	0.000	0.000
Gulf Coast	OK	Lincoln	15.534	15.585	0.0509	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.015	0.000	0.000	0.051	0.031	0.000	0.000
Gulf Coast	OK	Lincoln	15.585	15.690	0.1048	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.063	0.000	0.000	0.000	0.105	0.063	0.000	0.000
Gulf Coast	OK	Lincoln	15.690	15.737	0.0470	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.044	0.000	0.000	0.047	0.001	0.000	0.000
Gulf Coast	OK	Lincoln	15.737	15.841	0.1044	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.031	0.000	0.000	0.104	0.063	0.000	0.000
Gulf Coast	OK	Lincoln	15.841	15.934	0.0925	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.087	0.000	0.000	0.093	0.002	0.000	0.000
Gulf Coast	OK	Lincoln	15.934	16.250	0.3161	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.095	0.000	0.000	0.316	0.190	0.000	0.000
Gulf Coast	OK	Lincoln	16.250	16.332	0.0822	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.077	0.000	0.000	0.082	0.002	0.000	0.000
Gulf Coast	OK	Lincoln	16.332	16.524	0.1918	OK081	Seminole loam, 1 to 3 percent slopes	0.000	0.000	0.182	0.000	0.000	0.192	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	16.524	16.545	0.0208	OK081	Stephenville fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.021	0.000	0.020	0.019	0.000	0.021
Gulf Coast	OK	Lincoln	16.545	16.961	0.4167	OK081	Seminole loam, 1 to 3 percent slopes	0.000	0.000	0.396	0.000	0.000	0.417	0.000	0.000	0.000
Gulf Coast	OK	Lincoln	16.961	16.992	0.0302	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.009	0.000	0.000	0.030	0.018	0.000	0.000
Gulf Coast	OK	Lincoln	16.992	17.079	0.0876	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.082	0.000	0.000	0.088	0.002	0.000	0.000
Gulf Coast	OK	Lincoln	17.079	17.164	0.0844	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.051	0.000	0.000	0.000	0.084	0.051	0.000	0.000
Gulf Coast	OK	Lincoln	17.164	17.192	0.0287	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.027	0.000	0.000	0.029	0.001	0.000	0.000
Gulf Coast	OK	Lincoln	17.192	17.314	0.1218	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.037	0.000	0.000	0.122	0.073	0.000	0.000
Gulf Coast	OK	Lincoln	17.314	17.419	0.1051	OK081	Seminole loam, 3 to 5 percent slopes	0.000	0.000	0.100	0.000	0.000	0.105	0.000	0.000	0.000
Gulf Coast	OK	Creek	17.419	17.996	0.5763	OK037	Dennis and Okemah soils, 1 to 3 percent slopes	0.000	0.000	0.000	0.519	0.000	0.519	0.000	0.000	0.000
Gulf Coast	OK	Creek	17.996	18.065	0.0696	OK037	Collinsville and Talihina soils, 5 to 12 percent slopes	0.000	0.024	0.000	0.000	0.000	0.024	0.063	0.038	0.000
Gulf Coast	OK	Creek	18.065	18.299	0.2338	OK037	Coyle fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.215	0.000	0.215	0.215	0.000	0.000
Gulf Coast	OK	Creek	18.299	18.466	0.1672	OK037	Coyle fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.150	0.000	0.150	0.150	0.000	0.000
Gulf Coast	OK	Creek	18.466	18.523	0.0573	OK037	Oil waste land-Huska complex, 1 to 8 percent slopes	0.000	0.000	0.017	0.000	0.000	0.017	0.000	0.000	0.000
Gulf Coast	OK	Creek	18.523	18.536	0.0124	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.000	0.004	0.000	0.000	0.000	0.004	0.011	0.000	0.000
Gulf Coast	OK	Creek	18.536	18.837	0.3007	OK037	Konawa and Gasil soils, 1 to 3 percent slopes	0.000	0.000	0.000	0.283	0.000	0.283	0.000	0.000	0.223
Gulf Coast	OK	Creek	18.837	18.960	0.1234	OK037	Konawa and Gasil soils, 3 to 5 percent slopes	0.000	0.000	0.000	0.116	0.000	0.116	0.000	0.000	0.091
Gulf Coast	OK	Creek	18.960	18.987	0.0269	OK037	Konawa-Gullied land complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.018	0.000	0.000	0.018
Gulf Coast	OK	Creek	18.987	19.030	0.0429	OK037	Konawa and Gasil soils, 5 to 8 percent slopes	0.000	0.000	0.000	0.039	0.000	0.039	0.000	0.000	0.031
Gulf Coast	OK	Creek	19.030	19.078	0.0484	OK037	Konawa-Gullied land complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.032	0.000	0.000	0.032
Gulf Coast	OK	Creek	19.078	19.147	0.0686	OK037	Stephenville-Darnell complex, 5 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.033	0.057	0.000	0.000
Gulf Coast	OK	Creek	19.147	19.231	0.0843	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.000	0.030	0.000	0.000	0.000	0.030	0.076	0.000	0.000
Gulf Coast	OK	Creek	19.231	19.299	0.0675	OK037	Stephenville-Darnell complex, 5 to 8 percent slopes	0.000	0.000	0.000	0.059	0.000	0.037	0.059	0.000	0.037

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Creek	19.299	19.496	0.1974	OK037	Konawa and Gasil soils, 5 to 8 percent slopes	0.000	0.000	0.000	0.182	0.000	0.182	0.000	0.000	0.142
Gulf Coast	OK	Creek	19.496	19.678	0.1822	OK037	Pulaski fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.173	0.000	0.000	0.000	0.000	0.000
Gulf Coast	OK	Creek	19.678	19.694	0.0163	OK037	Darnell-Niotaze complex, 12 to 20 percent slopes	0.000	0.015	0.000	0.000	0.000	0.006	0.015	0.000	0.000
Gulf Coast	OK	Creek	19.694	19.719	0.0247	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.000	0.009	0.000	0.000	0.000	0.009	0.022	0.000	0.000
Gulf Coast	OK	Creek	19.719	19.923	0.2034	OK037	Stephenville-Darnell complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.179	0.000	0.128	0.179	0.000	0.128
Gulf Coast	OK	Creek	19.923	19.985	0.0625	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.000	0.022	0.000	0.000	0.000	0.022	0.056	0.000	0.000
Gulf Coast	OK	Creek	19.985	20.017	0.0323	OK037	Stephenville-Darnell complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.028	0.000	0.020	0.028	0.000	0.020
Gulf Coast	OK	Creek	20.017	20.095	0.0776	OK037	Stephenville-Darnell complex, 5 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.037	0.064	0.000	0.000
Gulf Coast	OK	Creek	20.095	20.106	0.0113	OK037	Pulaski fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.011	0.000	0.000	0.000	0.000	0.000
Gulf Coast	OK	Creek	20.106	20.156	0.0495	OK037	Ashport silt loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.044	0.000	0.000	0.000
Gulf Coast	OK	Creek	20.156	20.325	0.1689	OK037	Darnell-Niotaze complex, 12 to 20 percent slopes	0.000	0.152	0.000	0.000	0.000	0.059	0.152	0.000	0.000
Gulf Coast	OK	Creek	20.325	20.445	0.1203	OK037	Collinsville and Talihina soils, 5 to 12 percent slopes	0.000	0.042	0.000	0.000	0.000	0.042	0.108	0.066	0.000
Gulf Coast	OK	Creek	20.445	20.512	0.0665	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.000	0.023	0.000	0.000	0.000	0.023	0.060	0.000	0.000
Gulf Coast	OK	Creek	20.512	20.608	0.0967	OK037	Stephenville-Darnell complex, 5 to 8 percent slopes	0.000	0.000	0.000	0.084	0.000	0.053	0.084	0.000	0.053
Gulf Coast	OK	Creek	20.608	20.849	0.2411	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.000	0.084	0.000	0.000	0.000	0.084	0.217	0.000	0.000
Gulf Coast	OK	Creek	20.849	21.061	0.2114	OK037	Darnell-Niotaze complex, 12 to 20 percent slopes	0.000	0.190	0.000	0.000	0.000	0.074	0.190	0.000	0.000
Gulf Coast	OK	Creek	21.061	21.128	0.0668	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.000	0.023	0.000	0.000	0.000	0.023	0.060	0.000	0.000
Gulf Coast	OK	Creek	21.128	21.208	0.0808	OK037	Darnell-Niotaze complex, 12 to 20 percent slopes	0.000	0.073	0.000	0.000	0.000	0.028	0.073	0.000	0.000
Gulf Coast	OK	Creek	21.208	21.363	0.1549	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.000	0.054	0.000	0.000	0.000	0.054	0.139	0.000	0.000
Gulf Coast	OK	Creek	21.363	21.384	0.0203	OK037	Darnell-Niotaze complex, 12 to 20 percent slopes	0.000	0.018	0.000	0.000	0.000	0.007	0.018	0.000	0.000
Gulf Coast	OK	Creek	21.384	21.451	0.0673	OK037	Dougherty and Stidham soils, 3 to 8 percent slopes	0.000	0.000	0.000	0.063	0.000	0.063	0.000	0.000	0.063
Gulf Coast	OK	Creek	21.451	21.462	0.0108	OK037	Ustibuck clay, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000
Gulf Coast	OK	Creek	21.462	21.579	0.1175	OK037	Port fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.105	0.000	0.105	0.000	0.000	0.000
Gulf Coast	OK	Creek	21.579	21.616	0.0372	OK037	Ustibuck clay, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.035	0.035	0.000	0.000	0.000
Gulf Coast	OK	Creek	21.616	21.709	0.0931	OK037	Konawa-Gullied land complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.062	0.000	0.000	0.062
Gulf Coast	OK	Creek	21.709	21.776	0.0669	OK037	Konawa and Gasil soils, 5 to 8 percent slopes	0.000	0.000	0.000	0.062	0.000	0.062	0.000	0.000	0.048
Gulf Coast	OK	Creek	21.776	21.809	0.0324	OK037	Ustibuck clay, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.031	0.031	0.000	0.000	0.000
Gulf Coast	OK	Creek	21.809	21.826	0.0172	OK037	Konawa and Gasil soils, 5 to 8 percent slopes	0.000	0.000	0.000	0.016	0.000	0.016	0.000	0.000	0.012
Gulf Coast	OK	Creek	21.826	22.043	0.2170	OK037	Eufaula loamy fine sand, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.191
Gulf Coast	OK	Creek	22.043	22.265	0.2224	OK037	Ustibuck clay, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.209	0.209	0.000	0.000	0.000
Gulf Coast	OK	Creek	22.265	22.294	0.0286	OK037	Wann loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	OK	Creek	22.294	23.150	0.8564	OK037	Ustibuck clay, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.805	0.805	0.000	0.000	0.000
Gulf Coast	OK	Creek	23.150	23.176	0.0262	OK037	Konawa-Gullied land complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.018	0.000	0.000	0.018
Gulf Coast	OK	Okfuskee	23.176	23.224	0.0476	OK107	Teller fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.048	0.000	0.048	0.000	0.000	0.000
Gulf Coast	OK	Okfuskee	23.224	23.593	0.3691	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.207	0.185	0.000	0.103
Gulf Coast	OK	Okfuskee	23.593	23.609	0.0156	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.005	0.000	0.000	0.000	0.005	0.005	0.000	0.015
Gulf Coast	OK	Okfuskee	23.609	24.784	1.1747	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	1.175	0.000	0.059	0.000	0.000	0.059
Gulf Coast	OK	Okfuskee	24.784	24.945	0.1611	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.056	0.000	0.000	0.000	0.056	0.056	0.000	0.153
Gulf Coast	OK	Okfuskee	24.945	25.105	0.1599	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.090	0.080	0.000	0.045
Gulf Coast	OK	Okfuskee	25.105	25.242	0.1379	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.048	0.000	0.000	0.000	0.048	0.048	0.000	0.131
Gulf Coast	OK	Okfuskee	25.242	25.351	0.1086	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.061	0.054	0.000	0.030
Gulf Coast	OK	Okfuskee	25.351	25.485	0.1340	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.047	0.000	0.000	0.000	0.047	0.047	0.000	0.127
Gulf Coast	OK	Okfuskee	25.485	25.547	0.0623	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.062	0.000	0.003	0.000	0.000	0.003
Gulf Coast	OK	Okfuskee	25.547	25.664	0.1162	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.041	0.000	0.000	0.000	0.041	0.041	0.000	0.110
Gulf Coast	OK	Okfuskee	25.664	25.686	0.0224	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.013	0.011	0.000	0.006
Gulf Coast	OK	Okfuskee	25.686	25.955	0.2695	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.094	0.000	0.000	0.000	0.094	0.094	0.000	0.256
Gulf Coast	OK	Okfuskee	25.955	26.465	0.5100	OK107	Renfrow silt loam, 3 to 5 percent slopes	0.000	0.000	0.010	0.510	0.000	0.495	0.041	0.000	0.000
Gulf Coast	OK	Okfuskee	26.465	26.580	0.1141	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.040	0.000	0.000	0.000	0.040	0.040	0.000	0.108
Gulf Coast	OK	Okfuskee	26.580	26.968	0.3882	OK107	Darsil-Stephenville complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.175	0.175	0.000	0.369
Gulf Coast	OK	Okfuskee	26.968	27.014	0.0461	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.016	0.000	0.000	0.000	0.016	0.016	0.000	0.044
Gulf Coast	OK	Okfuskee	27.014	27.635	0.6209	OK107	Darsil-Stephenville complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.279	0.279	0.000	0.590
Gulf Coast	OK	Okfuskee	27.635	27.651	0.0165	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.009	0.008	0.000	0.005
Gulf Coast	OK	Okfuskee	27.651	27.677	0.0258	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.009	0.000	0.000	0.000	0.009	0.009	0.000	0.025
Gulf Coast	OK	Okfuskee	27.677	27.915	0.2378	OK107	Darsil-Stephenville complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.107	0.107	0.000	0.226
Gulf Coast	OK	Okfuskee	27.915	28.160	0.2451	OK107	Masham silty clay loam, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.221	0.012	0.000	0.000
Gulf Coast	OK	Okfuskee	28.160	28.410	0.2501	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.140	0.125	0.000	0.070
Gulf Coast	OK	Okfuskee	28.410	28.592	0.1821	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.182	0.000	0.009	0.000	0.000	0.009

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Okfuskee	28.592	28.654	0.0617	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.022	0.000	0.000	0.000	0.022	0.022	0.000	0.059
Gulf Coast	OK	Okfuskee	28.654	28.742	0.0884	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.050	0.044	0.000	0.025
Gulf Coast	OK	Okfuskee	28.742	28.794	0.0514	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.018	0.000	0.000	0.000	0.018	0.018	0.000	0.049
Gulf Coast	OK	Okfuskee	28.794	28.928	0.1340	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.134	0.000	0.007	0.000	0.000	0.007
Gulf Coast	OK	Okfuskee	28.928	28.990	0.0624	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.000	0.000	0.001	0.062	0.000	0.044	0.039	0.000	0.022
Gulf Coast	OK	Okfuskee	28.990	29.056	0.0659	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.023	0.000	0.000	0.000	0.023	0.023	0.000	0.063
Gulf Coast	OK	Okfuskee	29.056	29.272	0.2157	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.000	0.000	0.004	0.216	0.000	0.151	0.134	0.000	0.078
Gulf Coast	OK	Okfuskee	29.272	29.619	0.3479	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.122	0.000	0.000	0.000	0.122	0.122	0.000	0.331
Gulf Coast	OK	Okfuskee	29.619	29.873	0.2533	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.000	0.000	0.005	0.253	0.000	0.177	0.157	0.000	0.091
Gulf Coast	OK	Okfuskee	29.873	30.084	0.2110	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.074	0.000	0.000	0.000	0.074	0.074	0.000	0.200
Gulf Coast	OK	Okfuskee	30.084	30.124	0.0403	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.000	0.000	0.001	0.040	0.000	0.028	0.025	0.000	0.014
Gulf Coast	OK	Okfuskee	30.124	30.268	0.1441	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.050	0.000	0.000	0.000	0.050	0.050	0.000	0.137
Gulf Coast	OK	Okfuskee	30.268	30.395	0.1268	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.000	0.000	0.003	0.127	0.000	0.089	0.079	0.000	0.046
Gulf Coast	OK	Okfuskee	30.395	30.455	0.0602	OK107	Teller fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.060	0.000	0.060	0.000	0.000	0.000
Gulf Coast	OK	Okfuskee	30.455	30.605	0.1501	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.150	0.000	0.008	0.000	0.000	0.008
Gulf Coast	OK	Okfuskee	30.605	30.674	0.0685	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.038	0.034	0.000	0.019
Gulf Coast	OK	Okfuskee	30.674	30.874	0.2006	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.201	0.000	0.010	0.000	0.000	0.010
Gulf Coast	OK	Okfuskee	30.874	31.746	0.8713	OK107	Darsil-Stephenville complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.392	0.392	0.000	0.828
Gulf Coast	OK	Okfuskee	31.746	32.726	0.9808	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.549	0.490	0.000	0.275
Gulf Coast	OK	Okfuskee	32.726	32.821	0.0945	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.094	0.000	0.005	0.000	0.000	0.005
Gulf Coast	OK	Okfuskee	32.821	33.008	0.1868	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.105	0.093	0.000	0.052
Gulf Coast	OK	Okfuskee	33.008	33.123	0.1153	OK107	Masham silty clay loam, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.104	0.006	0.000	0.000
Gulf Coast	OK	Okfuskee	33.123	33.183	0.0601	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.021	0.000	0.000	0.000	0.021	0.021	0.000	0.057
Gulf Coast	OK	Okfuskee	33.183	33.473	0.2896	OK107	Chickasha loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.290	0.000	0.290	0.014	0.000	0.000
Gulf Coast	OK	Okfuskee	33.473	33.633	0.1600	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.056	0.000	0.000	0.000	0.056	0.056	0.000	0.152
Gulf Coast	OK	Okfuskee	33.633	33.733	0.1003	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.100	0.000	0.005	0.000	0.000	0.005
Gulf Coast	OK	Okfuskee	33.733	33.820	0.0873	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.031	0.000	0.000	0.000	0.031	0.031	0.000	0.083
Gulf Coast	OK	Okfuskee	33.820	33.877	0.0570	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.032	0.028	0.000	0.016
Gulf Coast	OK	Okfuskee	33.877	34.010	0.1324	OK107	Darsil-Stephenville complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.060	0.060	0.000	0.126
Gulf Coast	OK	Okfuskee	34.010	34.168	0.1586	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.089	0.079	0.000	0.044
Gulf Coast	OK	Okfuskee	34.168	34.478	0.3101	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.109	0.000	0.000	0.000	0.109	0.109	0.000	0.295
Gulf Coast	OK	Okfuskee	34.478	35.111	0.6326	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.354	0.316	0.000	0.177
Gulf Coast	OK	Okfuskee	35.111	35.451	0.3400	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.119	0.000	0.000	0.000	0.119	0.119	0.000	0.323
Gulf Coast	OK	Okfuskee	35.451	35.473	0.0226	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.023	0.000	0.001	0.000	0.000	0.001
Gulf Coast	OK	Okfuskee	35.473	36.069	0.5958	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.209	0.000	0.000	0.000	0.209	0.209	0.000	0.566
Gulf Coast	OK	Okfuskee	36.069	36.397	0.3276	OK107	Renfrow silt loam, 3 to 5 percent slopes	0.000	0.000	0.007	0.328	0.000	0.318	0.026	0.000	0.000
Gulf Coast	OK	Okfuskee	36.397	36.463	0.0663	OK107	Galey fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.066	0.000	0.066	0.000	0.000	0.000
Gulf Coast	OK	Okfuskee	36.463	36.597	0.1336	OK107	Navina loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.134	0.000	0.134	0.000	0.000	0.003
Gulf Coast	OK	Okfuskee	36.597	36.796	0.1991	OK107	Galey fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.199	0.000	0.199	0.000	0.000	0.000
Gulf Coast	OK	Okfuskee	36.796	37.030	0.2340	OK107	Navina loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.234	0.000	0.234	0.000	0.000	0.005
Gulf Coast	OK	Okfuskee	37.030	37.103	0.0726	OK107	Galey fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.073	0.000	0.073	0.000	0.000	0.000
Gulf Coast	OK	Okfuskee	37.103	37.550	0.4476	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.157	0.000	0.000	0.000	0.157	0.157	0.000	0.425
Gulf Coast	OK	Okfuskee	37.550	37.643	0.0931	OK107	Konawa-Gullied land complex, 3 to 12 percent slopes	0.000	0.068	0.000	0.000	0.000	0.068	0.000	0.000	0.065
Gulf Coast	OK	Okfuskee	37.643	37.712	0.0689	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.024	0.000	0.000	0.000	0.024	0.024	0.000	0.065
Gulf Coast	OK	Okfuskee	37.712	38.199	0.4868	OK107	Eufaula loamy fine sand, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.058	0.000	0.000	0.477
Gulf Coast	OK	Okfuskee	38.199	38.326	0.1271	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.044	0.000	0.000	0.000	0.044	0.044	0.000	0.121
Gulf Coast	OK	Okfuskee	38.326	38.351	0.0248	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.025	0.000	0.001	0.000	0.000	0.001
Gulf Coast	OK	Okfuskee	38.351	38.373	0.0219	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.000	0.008	0.000	0.000	0.000	0.008	0.008	0.000	0.021
Gulf Coast	OK	Okfuskee	38.373	38.698	0.3251	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.325	0.000	0.016	0.000	0.000	0.016
Gulf Coast	OK	Okfuskee	38.698	38.710	0.0124	OK107	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	OK	Seminole	38.710	38.719	0.0090	OK133	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	OK	Seminole	38.719	38.771	0.0517	OK133	Gracemore loamy fine sand, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.049	0.000	0.003	0.003	0.000	0.000	0.000
Gulf Coast	OK	Seminole	38.771	38.805	0.0335	OK133	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.033	0.000	0.005	0.000	0.000	0.003
Gulf Coast	OK	Seminole	38.805	38.917	0.1128	OK133	Keokuk silt loam, 0 to 1 percent slopes, rarely flooded	0.000	0.000	0.000	0.113	0.000	0.006	0.000	0.000	0.000
Gulf Coast	OK	Seminole	38.917	39.167	0.2501	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.000	0.145	0.000	0.000	0.000	0.145	0.250	0.000	0.108
Gulf Coast	OK	Seminole	39.167	39.302	0.1348	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.135	0.000	0.128	0.135	0.000	0.000
Gulf Coast	OK	Seminole	39.302	39.314	0.0122	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.000	0.007	0.000	0.000	0.000	0.007	0.012	0.000	0.005

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Seminole	39.314	39.383	0.0685	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.068	0.000	0.065	0.068	0.000	0.000
Gulf Coast	OK	Seminole	39.383	39.416	0.0333	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.000	0.019	0.000	0.000	0.000	0.019	0.033	0.000	0.014
Gulf Coast	OK	Seminole	39.416	39.549	0.1330	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.080	0.000	0.000	0.000	0.080	0.120	0.000	0.067
Gulf Coast	OK	Seminole	39.549	39.651	0.1023	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.000	0.059	0.000	0.000	0.000	0.059	0.102	0.000	0.044
Gulf Coast	OK	Seminole	39.651	39.685	0.0332	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.033	0.000	0.033	0.000	0.000	0.033
Gulf Coast	OK	Seminole	39.685	39.727	0.0419	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.000	0.024	0.000	0.000	0.000	0.024	0.042	0.000	0.018
Gulf Coast	OK	Seminole	39.727	39.795	0.0683	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.068	0.000	0.068	0.000	0.000	0.068
Gulf Coast	OK	Seminole	39.795	39.859	0.0641	OK133	Konawa fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.064	0.000	0.064	0.000	0.000	0.064
Gulf Coast	OK	Seminole	39.859	39.951	0.0915	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.092	0.000	0.092	0.000	0.000	0.092
Gulf Coast	OK	Seminole	39.951	40.004	0.0531	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.053	0.005	0.053	0.000	0.000	0.000
Gulf Coast	OK	Seminole	40.004	40.062	0.0584	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.003	0.058	0.000	0.000	0.000
Gulf Coast	OK	Seminole	40.062	40.122	0.0598	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.060	0.006	0.060	0.000	0.000	0.000
Gulf Coast	OK	Seminole	40.122	40.248	0.1262	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, severely e	0.000	0.000	0.050	0.000	0.000	0.120	0.023	0.000	0.000
Gulf Coast	OK	Seminole	40.248	40.323	0.0754	OK133	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.004	0.075	0.000	0.075	0.000	0.000	0.000
Gulf Coast	OK	Seminole	40.323	40.413	0.0900	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.090	0.000	0.090	0.000	0.000	0.090
Gulf Coast	OK	Seminole	40.413	40.524	0.1109	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, severely e	0.000	0.000	0.044	0.000	0.000	0.105	0.020	0.000	0.000
Gulf Coast	OK	Seminole	40.524	40.561	0.0371	OK133	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.002	0.037	0.000	0.037	0.000	0.000	0.000
Gulf Coast	OK	Seminole	40.561	40.593	0.0312	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.000	0.018	0.000	0.000	0.000	0.018	0.031	0.000	0.013
Gulf Coast	OK	Seminole	40.593	40.778	0.1857	OK133	Konawa fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.186	0.000	0.000	0.186
Gulf Coast	OK	Seminole	40.778	40.808	0.0298	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.030	0.000	0.030	0.000	0.000	0.030
Gulf Coast	OK	Seminole	40.808	40.857	0.0487	OK133	Pits	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	OK	Seminole	40.857	40.887	0.0305	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.030	0.000	0.030	0.000	0.000	0.030
Gulf Coast	OK	Seminole	40.887	40.892	0.0046	OK133	Pits	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	OK	Seminole	40.892	40.973	0.0805	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.000	0.047	0.000	0.000	0.000	0.047	0.081	0.000	0.035
Gulf Coast	OK	Seminole	40.973	41.051	0.0780	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.078	0.000	0.078	0.000	0.000	0.078
Gulf Coast	OK	Seminole	41.051	41.105	0.0544	OK133	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.003	0.054	0.000	0.054	0.000	0.000	0.000
Gulf Coast	OK	Seminole	41.105	41.170	0.0648	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.036	0.000	0.006	0.058	0.000	0.000	0.000
Gulf Coast	OK	Seminole	41.170	41.256	0.0861	OK133	Okemah silt loam, 1 to 3 percent slopes	0.000	0.000	0.004	0.086	0.000	0.086	0.000	0.000	0.000
Gulf Coast	OK	Seminole	41.256	41.453	0.1977	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.198	0.020	0.198	0.000	0.000	0.000
Gulf Coast	OK	Seminole	41.453	41.515	0.0613	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.034	0.000	0.006	0.055	0.000	0.000	0.000
Gulf Coast	OK	Seminole	41.515	41.618	0.1030	OK133	Okemah silt loam, 1 to 3 percent slopes	0.000	0.000	0.005	0.103	0.000	0.103	0.000	0.000	0.000
Gulf Coast	OK	Seminole	41.618	41.674	0.0566	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.000	0.000	0.017	0.057	0.000	0.057	0.003	0.000	0.000
Gulf Coast	OK	Seminole	41.674	41.836	0.1615	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.161	0.000	0.153	0.161	0.000	0.000
Gulf Coast	OK	Seminole	41.836	41.864	0.0278	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.015	0.000	0.003	0.025	0.000	0.000	0.000
Gulf Coast	OK	Seminole	41.864	41.920	0.0560	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, severely e	0.000	0.000	0.022	0.000	0.000	0.053	0.010	0.000	0.000
Gulf Coast	OK	Seminole	41.920	42.133	0.2132	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.117	0.000	0.021	0.192	0.000	0.000	0.000
Gulf Coast	OK	Seminole	42.133	42.340	0.2072	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.207	0.021	0.207	0.000	0.000	0.000
Gulf Coast	OK	Seminole	42.340	42.404	0.0640	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.000	0.000	0.019	0.064	0.000	0.064	0.003	0.000	0.000
Gulf Coast	OK	Seminole	42.404	42.457	0.0533	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.053	0.005	0.053	0.000	0.000	0.000
Gulf Coast	OK	Seminole	42.457	42.481	0.0240	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.013	0.000	0.002	0.022	0.000	0.000	0.000
Gulf Coast	OK	Seminole	42.481	42.538	0.0566	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.000	0.057	0.000	0.000	0.000	0.031	0.057	0.000	0.000
Gulf Coast	OK	Seminole	42.538	42.687	0.1491	OK133	Eram-Coweta complex, 5 to 12 percent slopes	0.000	0.134	0.000	0.000	0.000	0.149	0.037	0.000	0.000
Gulf Coast	OK	Seminole	42.687	42.705	0.0181	OK133	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.001	0.018	0.000	0.018	0.000	0.000	0.000
Gulf Coast	OK	Seminole	42.705	42.724	0.0188	OK133	Bates-Coweta complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.019	0.000	0.019	0.019	0.000	0.000
Gulf Coast	OK	Seminole	42.724	42.834	0.1096	OK133	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.005	0.110	0.000	0.110	0.000	0.000	0.000
Gulf Coast	OK	Seminole	42.834	42.882	0.0484	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.048	0.000	0.046	0.048	0.000	0.000
Gulf Coast	OK	Seminole	42.882	42.965	0.0826	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.000	0.000	0.025	0.083	0.000	0.083	0.004	0.000	0.000
Gulf Coast	OK	Seminole	42.965	43.042	0.0779	OK133	Stephenville fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.078	0.000	0.074	0.078	0.000	0.074
Gulf Coast	OK	Seminole	43.042	43.221	0.1782	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.178	0.000	0.169	0.178	0.000	0.000
Gulf Coast	OK	Seminole	43.221	43.263	0.0421	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.002	0.042	0.000	0.000	0.000
Gulf Coast	OK	Seminole	43.263	43.360	0.0970	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.097	0.010	0.097	0.000	0.000	0.000
Gulf Coast	OK	Seminole	43.360	43.440	0.0798	OK133	Konawa fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.080	0.000	0.000	0.080
Gulf Coast	OK	Seminole	43.440	43.515	0.0750	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.075	0.008	0.075	0.000	0.000	0.000
Gulf Coast	OK	Seminole	43.515	43.657	0.1429	OK133	Pulaski fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.143	0.000	0.014	0.000	0.000	0.000
Gulf Coast	OK	Seminole	43.657	43.685	0.0273	OK133	Pits	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	OK	Seminole	43.685	43.703	0.0184	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.001	0.018	0.000	0.000	0.000
Gulf Coast	OK	Seminole	43.703	43.745	0.0421	OK133	Pulaski fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.042	0.000	0.004	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Seminole	43.745	44.054	0.3084	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.185	0.000	0.000	0.000	0.185	0.278	0.000	0.154
Gulf Coast	OK	Seminole	44.054	44.143	0.0889	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely eroded	0.000	0.078	0.002	0.000	0.000	0.080	0.085	0.000	0.000
Gulf Coast	OK	Seminole	44.143	44.229	0.0866	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.052	0.000	0.000	0.000	0.052	0.078	0.000	0.043
Gulf Coast	OK	Seminole	44.229	44.482	0.2528	OK133	Stephenville fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.253	0.000	0.240	0.253	0.000	0.240
Gulf Coast	OK	Seminole	44.482	44.725	0.2435	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely eroded	0.000	0.214	0.005	0.000	0.000	0.219	0.234	0.000	0.000
Gulf Coast	OK	Seminole	44.725	44.729	0.0041	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.002	0.000	0.000	0.000	0.002	0.004	0.000	0.002
Gulf Coast	OK	Seminole	44.729	44.743	0.0135	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely eroded	0.000	0.012	0.000	0.000	0.000	0.012	0.013	0.000	0.000
Gulf Coast	OK	Seminole	44.743	44.888	0.1450	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.007	0.145	0.000	0.000	0.000
Gulf Coast	OK	Seminole	44.888	45.163	0.2749	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.165	0.000	0.000	0.000	0.165	0.247	0.000	0.137
Gulf Coast	OK	Seminole	45.163	45.365	0.2023	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely eroded	0.000	0.178	0.004	0.000	0.000	0.182	0.194	0.000	0.000
Gulf Coast	OK	Seminole	45.365	45.533	0.1675	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.100	0.000	0.000	0.000	0.100	0.151	0.000	0.084
Gulf Coast	OK	Seminole	45.533	45.933	0.4006	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely eroded	0.000	0.353	0.008	0.000	0.000	0.361	0.385	0.000	0.000
Gulf Coast	OK	Seminole	45.933	46.253	0.3192	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.192	0.000	0.000	0.000	0.192	0.287	0.000	0.160
Gulf Coast	OK	Seminole	46.253	46.278	0.0259	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.014	0.000	0.003	0.023	0.000	0.000	0.000
Gulf Coast	OK	Seminole	46.278	46.289	0.0102	OK133	Oil waste land	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	OK	Seminole	46.289	46.447	0.1585	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.087	0.000	0.016	0.143	0.000	0.000	0.000
Gulf Coast	OK	Seminole	46.447	46.526	0.0789	OK133	Prue loam, 1 to 3 percent slopes	0.000	0.000	0.004	0.079	0.000	0.079	0.000	0.000	0.000
Gulf Coast	OK	Seminole	46.526	46.608	0.0816	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.000	0.000	0.024	0.082	0.000	0.082	0.004	0.000	0.000
Gulf Coast	OK	Seminole	46.608	46.657	0.0493	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.027	0.000	0.005	0.044	0.000	0.000	0.000
Gulf Coast	OK	Seminole	46.657	46.800	0.1431	OK133	Prue loam, 1 to 3 percent slopes	0.000	0.000	0.007	0.143	0.000	0.143	0.000	0.000	0.000
Gulf Coast	OK	Seminole	46.800	46.900	0.1000	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.055	0.000	0.010	0.090	0.000	0.000	0.000
Gulf Coast	OK	Seminole	46.900	46.939	0.0386	OK133	Prue loam, 1 to 3 percent slopes	0.000	0.000	0.002	0.039	0.000	0.039	0.000	0.000	0.000
Gulf Coast	OK	Seminole	46.939	47.017	0.0783	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.043	0.000	0.008	0.070	0.000	0.000	0.000
Gulf Coast	OK	Seminole	47.017	47.101	0.0840	OK133	Bates-Coweta complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.084	0.000	0.084	0.084	0.000	0.000
Gulf Coast	OK	Seminole	47.101	47.176	0.0749	OK133	Bates loam, 1 to 3 percent slopes	0.000	0.000	0.007	0.075	0.000	0.075	0.060	0.000	0.000
Gulf Coast	OK	Seminole	47.176	47.414	0.2382	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.000	0.000	0.071	0.238	0.000	0.238	0.012	0.000	0.000
Gulf Coast	OK	Seminole	47.414	47.444	0.0303	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.017	0.000	0.003	0.027	0.000	0.000	0.000
Gulf Coast	OK	Seminole	47.444	47.465	0.0203	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.000	0.000	0.006	0.020	0.000	0.020	0.001	0.000	0.000
Gulf Coast	OK	Seminole	47.465	47.523	0.0584	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.032	0.000	0.006	0.053	0.000	0.000	0.000
Gulf Coast	OK	Seminole	47.523	47.624	0.1013	OK133	Bates loam, 3 to 5 percent slopes	0.000	0.000	0.008	0.101	0.000	0.101	0.083	0.000	0.000
Gulf Coast	OK	Seminole	47.624	47.689	0.0643	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.000	0.000	0.019	0.064	0.000	0.064	0.003	0.000	0.000
Gulf Coast	OK	Seminole	47.689	47.771	0.0827	OK133	Bates loam, 3 to 5 percent slopes	0.000	0.000	0.007	0.083	0.000	0.083	0.068	0.000	0.000
Gulf Coast	OK	Seminole	47.771	47.891	0.1200	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.120	0.000	0.114	0.120	0.000	0.000
Gulf Coast	OK	Seminole	47.891	47.972	0.0804	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.048	0.000	0.000	0.000	0.048	0.072	0.000	0.040
Gulf Coast	OK	Seminole	47.972	48.000	0.0282	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.000	0.028	0.000	0.000	0.000	0.015	0.028	0.000	0.000
Gulf Coast	OK	Seminole	48.000	48.031	0.0310	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.031	0.000	0.031	0.000	0.000	0.031
Gulf Coast	OK	Seminole	48.031	48.128	0.0971	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.005	0.097	0.000	0.000	0.000
Gulf Coast	OK	Seminole	48.128	48.281	0.1534	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.153	0.015	0.153	0.000	0.000	0.000
Gulf Coast	OK	Seminole	48.281	48.422	0.1402	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, severely e	0.000	0.000	0.056	0.000	0.000	0.133	0.025	0.000	0.000
Gulf Coast	OK	Seminole	48.422	48.629	0.2068	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.000	0.207	0.000	0.000	0.000	0.114	0.207	0.000	0.000
Gulf Coast	OK	Seminole	48.629	48.815	0.1864	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.112	0.000	0.000	0.000	0.112	0.168	0.000	0.093
Gulf Coast	OK	Seminole	48.815	48.872	0.0574	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.000	0.057	0.000	0.000	0.000	0.032	0.057	0.000	0.000
Gulf Coast	OK	Seminole	48.872	48.912	0.0395	OK133	Eram-Coweta complex, 5 to 12 percent slopes	0.000	0.036	0.000	0.000	0.000	0.040	0.010	0.000	0.000
Gulf Coast	OK	Seminole	48.912	48.963	0.0509	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, severely e	0.000	0.000	0.020	0.000	0.000	0.048	0.009	0.000	0.000
Gulf Coast	OK	Seminole	48.963	49.018	0.0557	OK133	Bates loam, 1 to 3 percent slopes	0.000	0.000	0.006	0.056	0.000	0.056	0.045	0.000	0.000
Gulf Coast	OK	Seminole	49.018	49.076	0.0577	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.035	0.000	0.000	0.000	0.035	0.052	0.000	0.029
Gulf Coast	OK	Seminole	49.076	49.186	0.1101	OK133	Bates loam, 3 to 5 percent slopes	0.000	0.000	0.009	0.110	0.000	0.110	0.090	0.000	0.000
Gulf Coast	OK	Seminole	49.186	49.267	0.0813	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.045	0.000	0.008	0.073	0.000	0.000	0.000
Gulf Coast	OK	Seminole	49.267	49.318	0.0509	OK133	Eram-Coweta complex, 5 to 12 percent slopes	0.000	0.046	0.000	0.000	0.000	0.051	0.013	0.000	0.000
Gulf Coast	OK	Seminole	49.318	49.379	0.0602	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.003	0.060	0.000	0.000	0.000
Gulf Coast	OK	Seminole	49.379	49.405	0.0263	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.026	0.003	0.026	0.000	0.000	0.000
Gulf Coast	OK	Seminole	49.405	49.434	0.0291	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.001	0.029	0.000	0.000	0.000
Gulf Coast	OK	Seminole	49.434	49.487	0.0534	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.053	0.005	0.053	0.000	0.000	0.000
Gulf Coast	OK	Seminole	49.487	49.506	0.0190	OK133	Okemah silt loam, 1 to 3 percent slopes	0.000	0.000	0.001	0.019	0.000	0.019	0.000	0.000	0.000
Gulf Coast	OK	Seminole	49.506	49.655	0.1484	OK133	Eram-Coweta complex, 5 to 12 percent slopes	0.000	0.134	0.000	0.000	0.000	0.148	0.037	0.000	0.000
Gulf Coast	OK	Seminole	49.655	49.658	0.0031	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.000	0.003	0.000	0.000	0.000	0.002	0.003	0.000	0.000
Gulf Coast	OK	Seminole	49.658	49.816	0.1577	OK133	Prue loam, 3 to 5 percent slopes	0.000	0.000	0.008	0.158	0.000	0.158	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Seminole	49.816	49.945	0.1291	OK133	Prue loam, 1 to 3 percent slopes	0.000	0.000	0.006	0.129	0.000	0.129	0.000	0.000	0.000
Gulf Coast	OK	Seminole	49.945	50.045	0.1006	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.000	0.000	0.030	0.101	0.000	0.101	0.005	0.000	0.000
Gulf Coast	OK	Seminole	50.045	50.083	0.0373	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.021	0.000	0.004	0.034	0.000	0.000	0.000
Gulf Coast	OK	Seminole	50.083	50.138	0.0555	OK133	Bates loam, 3 to 5 percent slopes	0.000	0.000	0.004	0.055	0.000	0.055	0.046	0.000	0.000
Gulf Coast	OK	Seminole	50.138	50.195	0.0569	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.031	0.000	0.006	0.051	0.000	0.000	0.000
Gulf Coast	OK	Seminole	50.195	50.214	0.0192	OK133	Okemah silt loam, 1 to 3 percent slopes	0.000	0.000	0.001	0.019	0.000	0.019	0.000	0.000	0.000
Gulf Coast	OK	Seminole	50.214	50.273	0.0584	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.003	0.058	0.000	0.000	0.000
Gulf Coast	OK	Seminole	50.273	50.317	0.0441	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.000	0.044	0.000	0.000	0.000	0.024	0.044	0.000	0.000
Gulf Coast	OK	Seminole	50.317	50.380	0.0631	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.038	0.000	0.000	0.000	0.038	0.057	0.000	0.032
Gulf Coast	OK	Seminole	50.380	50.386	0.0061	OK133	Bates loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.006	0.000	0.006	0.005	0.000	0.000
Gulf Coast	OK	Seminole	50.386	50.769	0.3829	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.000	0.000	0.115	0.383	0.000	0.383	0.019	0.000	0.000
Gulf Coast	OK	Seminole	50.769	50.966	0.1976	OK133	Okemah silt loam, 0 to 1 percent slopes	0.000	0.000	0.010	0.198	0.000	0.198	0.000	0.000	0.000
Gulf Coast	OK	Seminole	50.966	51.314	0.3478	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.348	0.035	0.348	0.000	0.000	0.000
Gulf Coast	OK	Seminole	51.314	51.617	0.3026	OK133	Okemah silt loam, 0 to 1 percent slopes	0.000	0.000	0.015	0.303	0.000	0.303	0.000	0.000	0.000
Gulf Coast	OK	Seminole	51.617	51.643	0.0263	OK133	Okemah silt loam, 1 to 3 percent slopes	0.000	0.000	0.001	0.026	0.000	0.026	0.000	0.000	0.000
Gulf Coast	OK	Seminole	51.643	52.126	0.4833	OK133	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.024	0.483	0.000	0.483	0.000	0.000	0.000
Gulf Coast	OK	Seminole	52.126	52.330	0.2039	OK133	Okemah silt loam, 1 to 3 percent slopes	0.000	0.000	0.010	0.204	0.000	0.204	0.000	0.000	0.000
Gulf Coast	OK	Seminole	52.330	52.573	0.2433	OK133	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.012	0.243	0.000	0.243	0.000	0.000	0.000
Gulf Coast	OK	Seminole	52.573	53.049	0.4751	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.261	0.000	0.048	0.428	0.000	0.000	0.000
Gulf Coast	OK	Seminole	53.049	53.075	0.0260	OK133	Grainola and Aydelotte soils, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.002	0.000	0.000	0.024	0.012	0.000	0.001
Gulf Coast	OK	Seminole	53.075	53.450	0.3756	OK133	Okemah silt loam, 1 to 3 percent slopes	0.000	0.000	0.019	0.376	0.000	0.376	0.000	0.000	0.000
Gulf Coast	OK	Seminole	53.450	53.489	0.0393	OK133	Bates loam, 1 to 3 percent slopes	0.000	0.000	0.004	0.039	0.000	0.039	0.031	0.000	0.000
Gulf Coast	OK	Seminole	53.489	53.528	0.0382	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.021	0.000	0.004	0.034	0.000	0.000	0.000
Gulf Coast	OK	Seminole	53.528	53.528	0.0004	OK133	Okemah silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	OK	Seminole	53.528	53.620	0.0921	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.051	0.000	0.009	0.083	0.000	0.000	0.000
Gulf Coast	OK	Seminole	53.620	53.652	0.0321	OK133	Bates loam, 3 to 5 percent slopes	0.000	0.000	0.003	0.032	0.000	0.032	0.026	0.000	0.000
Gulf Coast	OK	Seminole	53.652	53.692	0.0401	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.022	0.000	0.004	0.036	0.000	0.000	0.000
Gulf Coast	OK	Seminole	53.692	53.763	0.0706	OK133	Bates loam, 3 to 5 percent slopes	0.000	0.000	0.006	0.071	0.000	0.071	0.058	0.000	0.000
Gulf Coast	OK	Seminole	53.763	53.864	0.1011	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.056	0.000	0.010	0.091	0.000	0.000	0.000
Gulf Coast	OK	Seminole	53.864	54.097	0.2333	OK133	Okemah silt loam, 1 to 3 percent slopes	0.000	0.000	0.012	0.233	0.000	0.233	0.000	0.000	0.000
Gulf Coast	OK	Seminole	54.097	54.192	0.0951	OK133	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.005	0.095	0.000	0.095	0.000	0.000	0.000
Gulf Coast	OK	Seminole	54.192	54.331	0.1391	OK133	Okemah silt loam, 1 to 3 percent slopes	0.000	0.000	0.007	0.139	0.000	0.139	0.000	0.000	0.000
Gulf Coast	OK	Seminole	54.331	54.535	0.2031	OK133	Bates loam, 1 to 3 percent slopes	0.000	0.000	0.020	0.203	0.000	0.203	0.163	0.000	0.000
Gulf Coast	OK	Seminole	54.535	54.643	0.1086	OK133	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.005	0.109	0.000	0.109	0.000	0.000	0.000
Gulf Coast	OK	Seminole	54.643	54.825	0.1813	OK133	Bates loam, 1 to 3 percent slopes	0.000	0.000	0.018	0.181	0.000	0.181	0.145	0.000	0.000
Gulf Coast	OK	Seminole	54.825	54.873	0.0489	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.027	0.000	0.005	0.044	0.000	0.000	0.000
Gulf Coast	OK	Seminole	54.873	54.906	0.0324	OK133	Bates loam, 3 to 5 percent slopes	0.000	0.000	0.003	0.032	0.000	0.032	0.027	0.000	0.000
Gulf Coast	OK	Seminole	54.906	54.907	0.0008	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
Gulf Coast	OK	Seminole	54.907	54.985	0.0784	OK133	Bates loam, 3 to 5 percent slopes	0.000	0.000	0.006	0.078	0.000	0.078	0.064	0.000	0.000
Gulf Coast	OK	Seminole	54.985	55.171	0.1856	OK133	Bates loam, 1 to 3 percent slopes	0.000	0.000	0.019	0.186	0.000	0.186	0.148	0.000	0.000
Gulf Coast	OK	Seminole	55.171	55.250	0.0793	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, severely e	0.000	0.000	0.032	0.000	0.000	0.075	0.014	0.000	0.000
Gulf Coast	OK	Seminole	55.250	55.518	0.2683	OK133	Bates loam, 1 to 3 percent slopes	0.000	0.000	0.027	0.268	0.000	0.268	0.215	0.000	0.000
Gulf Coast	OK	Seminole	55.518	55.607	0.0893	OK133	Bates-Coweta complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.089	0.000	0.089	0.089	0.000	0.000
Gulf Coast	OK	Seminole	55.607	55.806	0.1987	OK133	Eram-Coweta complex, 5 to 12 percent slopes	0.000	0.179	0.000	0.000	0.000	0.199	0.050	0.000	0.000
Gulf Coast	OK	Seminole	55.806	56.059	0.2530	OK133	Prue loam, 3 to 5 percent slopes	0.000	0.000	0.013	0.253	0.000	0.253	0.000	0.000	0.000
Gulf Coast	OK	Seminole	56.059	56.106	0.0470	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.000	0.000	0.014	0.047	0.000	0.047	0.002	0.000	0.000
Gulf Coast	OK	Seminole	56.106	56.302	0.1959	OK133	Okemah silt loam, 1 to 3 percent slopes	0.000	0.000	0.010	0.196	0.000	0.196	0.000	0.000	0.000
Gulf Coast	OK	Seminole	56.302	56.379	0.0769	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.000	0.000	0.023	0.077	0.000	0.077	0.004	0.000	0.000
Gulf Coast	OK	Seminole	56.379	56.437	0.0581	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000	0.000	0.032	0.000	0.006	0.052	0.000	0.000	0.000
Gulf Coast	OK	Seminole	56.437	56.658	0.2205	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.000	0.000	0.066	0.221	0.000	0.221	0.011	0.000	0.000
Gulf Coast	OK	Seminole	56.658	56.860	0.2023	OK133	Bates-Coweta complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.202	0.000	0.202	0.202	0.000	0.000
Gulf Coast	OK	Seminole	56.860	56.904	0.0437	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.000	0.000	0.013	0.044	0.000	0.044	0.002	0.000	0.000
Gulf Coast	OK	Seminole	56.904	56.908	0.0049	OK133	Bates-Coweta complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.005	0.000	0.005	0.005	0.000	0.000
Gulf Coast	OK	Seminole	56.908	57.003	0.0941	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.000	0.000	0.028	0.094	0.000	0.094	0.005	0.000	0.000
Gulf Coast	OK	Seminole	57.003	57.193	0.1908	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.191	0.000	0.181	0.191	0.000	0.000
Gulf Coast	OK	Seminole	57.193	57.290	0.0963	OK133	Stephenville fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.096	0.000	0.091	0.096	0.000	0.091
Gulf Coast	OK	Seminole	57.290	57.675	0.3855	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.386	0.000	0.366	0.386	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Seminole	57.675	57.744	0.0690	OK133	Stephenville fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.069	0.000	0.066	0.069	0.000	0.066
Gulf Coast	OK	Seminole	57.744	57.986	0.2419	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.145	0.000	0.000	0.000	0.145	0.218	0.000	0.121
Gulf Coast	OK	Seminole	57.986	58.032	0.0459	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.000	0.046	0.000	0.000	0.000	0.025	0.046	0.000	0.000
Gulf Coast	OK	Seminole	58.032	58.189	0.1571	OK133	Konawa fine sandy loam, 3 to 8 percent slopes, gullied	0.000	0.000	0.000	0.000	0.000	0.157	0.000	0.000	0.157
Gulf Coast	OK	Seminole	58.189	58.309	0.1199	OK133	Tullahassee fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.120	0.000	0.000	0.000	0.000
Gulf Coast	OK	Seminole	58.309	58.654	0.3453	OK133	Ustibuck clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.345	0.345	0.345	0.000	0.000	0.000
Gulf Coast	OK	Seminole	58.654	58.710	0.0554	OK133	Pulaski fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.055	0.000	0.006	0.000	0.000	0.000
Gulf Coast	OK	Seminole	58.710	58.751	0.0415	OK133	Ustibuck clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.041	0.041	0.041	0.000	0.000	0.000
Gulf Coast	OK	Seminole	58.751	58.899	0.1474	OK133	Pulaski fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.147	0.000	0.015	0.000	0.000	0.000
Gulf Coast	OK	Seminole	58.899	59.054	0.1557	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.156	0.016	0.156	0.000	0.000	0.000
Gulf Coast	OK	Seminole	59.054	59.091	0.0368	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.000	0.037	0.000	0.000	0.000	0.020	0.037	0.000	0.000
Gulf Coast	OK	Seminole	59.091	59.168	0.0769	OK133	Bates loam, 3 to 5 percent slopes	0.000	0.000	0.006	0.077	0.000	0.077	0.063	0.000	0.000
Gulf Coast	OK	Hughes	59.168	59.249	0.0812	OK063	Bates fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.081	0.000	0.081	0.081	0.000	0.000
Gulf Coast	OK	Hughes	59.249	59.416	0.1664	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.166	0.000	0.000	0.000
Gulf Coast	OK	Hughes	59.416	59.551	0.1357	OK063	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.136	0.000	0.136	0.000	0.000	0.000
Gulf Coast	OK	Hughes	59.551	59.660	0.1083	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.105	0.000	0.083	0.105	0.000	0.000
Gulf Coast	OK	Hughes	59.660	59.725	0.0657	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.066	0.000	0.000	0.000	0.026	0.066	0.043	0.000
Gulf Coast	OK	Hughes	59.725	59.843	0.1176	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.118	0.000	0.118	0.000	0.000	0.000
Gulf Coast	OK	Hughes	59.843	59.882	0.0390	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.039	0.000	0.000	0.000	0.016	0.039	0.025	0.000
Gulf Coast	OK	Hughes	59.882	59.933	0.0508	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.051	0.000	0.051	0.000	0.000	0.000
Gulf Coast	OK	Hughes	59.933	59.954	0.0217	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.022	0.000	0.000	0.000	0.009	0.022	0.014	0.000
Gulf Coast	OK	Hughes	59.954	60.639	0.6841	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.684	0.000	0.684	0.000	0.000	0.000
Gulf Coast	OK	Hughes	60.639	60.660	0.0215	OK063	Kamie fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.021	0.000	0.021	0.000	0.000	0.000
Gulf Coast	OK	Hughes	60.660	60.737	0.0770	OK063	Eram-Verdigris complex, 0 to 20 percent slopes	0.000	0.042	0.000	0.000	0.000	0.077	0.000	0.000	0.000
Gulf Coast	OK	Hughes	60.737	60.796	0.0588	OK063	Kamie fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.059	0.000	0.059	0.000	0.000	0.000
Gulf Coast	OK	Hughes	60.796	61.022	0.2260	OK063	Eram-Verdigris complex, 0 to 20 percent slopes	0.000	0.124	0.000	0.000	0.000	0.226	0.000	0.000	0.000
Gulf Coast	OK	Hughes	61.022	61.375	0.3534	OK063	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.353	0.000	0.353	0.000	0.000	0.000
Gulf Coast	OK	Hughes	61.375	61.409	0.0341	OK063	Eram-Verdigris complex, 0 to 20 percent slopes	0.000	0.019	0.000	0.000	0.000	0.034	0.000	0.000	0.000
Gulf Coast	OK	Hughes	61.409	61.574	0.1652	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.165	0.000	0.000	0.000	0.116	0.165	0.000	0.000
Gulf Coast	OK	Hughes	61.574	61.801	0.2266	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.227	0.000	0.000	0.000	0.091	0.227	0.147	0.000
Gulf Coast	OK	Hughes	61.801	61.855	0.0536	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.054	0.000	0.000	0.000	0.038	0.054	0.000	0.000
Gulf Coast	OK	Hughes	61.855	61.885	0.0305	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.030	0.000	0.000	0.000	0.012	0.030	0.020	0.000
Gulf Coast	OK	Hughes	61.885	61.949	0.0642	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.064	0.000	0.000	0.000	0.045	0.064	0.000	0.000
Gulf Coast	OK	Hughes	61.949	62.216	0.2671	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.267	0.000	0.000	0.000	0.107	0.267	0.174	0.000
Gulf Coast	OK	Hughes	62.216	62.262	0.0457	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.046	0.000	0.000	0.000	0.032	0.046	0.000	0.000
Gulf Coast	OK	Hughes	62.262	62.325	0.0629	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.061	0.000	0.048	0.061	0.000	0.000
Gulf Coast	OK	Hughes	62.325	62.357	0.0322	OK063	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.032	0.000	0.032	0.000	0.000	0.000
Gulf Coast	OK	Hughes	62.357	62.492	0.1350	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.135	0.000	0.000	0.000
Gulf Coast	OK	Hughes	62.492	62.539	0.0466	OK063	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.047	0.000	0.047	0.000	0.000	0.000
Gulf Coast	OK	Hughes	62.539	62.742	0.2028	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.203	0.000	0.000	0.000	0.142	0.203	0.000	0.000
Gulf Coast	OK	Hughes	62.742	62.773	0.0315	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.031	0.000	0.031	0.031	0.000	0.000
Gulf Coast	OK	Hughes	62.773	62.923	0.1495	OK063	Bates fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.150	0.000	0.150	0.150	0.000	0.000
Gulf Coast	OK	Hughes	62.923	63.108	0.1849	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.185	0.000	0.000	0.000
Gulf Coast	OK	Hughes	63.108	63.219	0.1111	OK063	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.111	0.000	0.000	0.000
Gulf Coast	OK	Hughes	63.219	63.302	0.0838	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.084	0.000	0.000	0.000
Gulf Coast	OK	Hughes	63.302	63.327	0.0242	OK063	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.024	0.024	0.000	0.000
Gulf Coast	OK	Hughes	63.327	63.490	0.1633	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.163	0.000	0.163	0.163	0.000	0.000
Gulf Coast	OK	Hughes	63.490	63.652	0.1621	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.162	0.000	0.000	0.000	0.113	0.162	0.000	0.000
Gulf Coast	OK	Hughes	63.652	63.715	0.0626	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.063	0.000	0.063	0.063	0.000	0.000
Gulf Coast	OK	Hughes	63.715	63.844	0.1294	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.129	0.000	0.000	0.000	0.052	0.129	0.084	0.000
Gulf Coast	OK	Hughes	63.844	63.946	0.1021	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.102	0.000	0.000	0.000	0.071	0.102	0.000	0.000
Gulf Coast	OK	Hughes	63.946	64.217	0.2708	OK063	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.271	0.000	0.271	0.000	0.000	0.000
Gulf Coast	OK	Hughes	64.217	64.262	0.0446	OK063	Okemah-Pharoah complex, 1 to 3 percent slopes	0.000	0.000	0.009	0.045	0.000	0.045	0.000	0.000	0.000
Gulf Coast	OK	Hughes	64.262	64.340	0.0781	OK063	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.078	0.000	0.078	0.000	0.000	0.000
Gulf Coast	OK	Hughes	64.340	64.440	0.1005	OK063	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.101	0.000	0.101	0.000	0.000	0.000
Gulf Coast	OK	Hughes	64.440	64.508	0.0673	OK063	Okemah-Pharoah complex, 1 to 3 percent slopes	0.000	0.000	0.013	0.067	0.000	0.067	0.000	0.000	0.000
Gulf Coast	OK	Hughes	64.508	64.751	0.2434	OK063	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.243	0.000	0.243	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Hughes	64.751	64.894	0.1432	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.143	0.000	0.000	0.000	0.100	0.143	0.000	0.000
Gulf Coast	OK	Hughes	64.894	64.992	0.0977	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.098	0.000	0.000	0.000	0.039	0.098	0.064	0.000
Gulf Coast	OK	Hughes	64.992	65.030	0.0385	OK063	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.039	0.000	0.039	0.000	0.000	0.000
Gulf Coast	OK	Hughes	65.030	65.088	0.0579	OK063	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.058	0.000	0.000	0.000
Gulf Coast	OK	Hughes	65.088	65.203	0.1146	OK063	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.115	0.000	0.115	0.000	0.000	0.000
Gulf Coast	OK	Hughes	65.203	65.243	0.0397	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.040	0.000	0.000	0.000	0.016	0.040	0.026	0.000
Gulf Coast	OK	Hughes	65.243	65.347	0.1045	OK063	Verdigris silt loam, 0 to 2 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.104	0.000	0.000	0.000
Gulf Coast	OK	Hughes	65.347	65.418	0.0706	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.071	0.000	0.000	0.000	0.028	0.071	0.046	0.000
Gulf Coast	OK	Hughes	65.418	65.465	0.0471	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.047	0.000	0.047	0.047	0.000	0.000
Gulf Coast	OK	Hughes	65.465	65.560	0.0955	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.095	0.000	0.000	0.000	0.038	0.095	0.062	0.000
Gulf Coast	OK	Hughes	65.560	65.619	0.0584	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.057	0.000	0.045	0.057	0.000	0.000
Gulf Coast	OK	Hughes	65.619	65.672	0.0536	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.054	0.000	0.000	0.000	0.021	0.054	0.035	0.000
Gulf Coast	OK	Hughes	65.672	65.978	0.3058	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.306	0.000	0.306	0.000	0.000	0.000
Gulf Coast	OK	Hughes	65.978	65.979	0.0015	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.001	0.000	0.000	0.000	0.001	0.001	0.001	0.000
Gulf Coast	OK	Hughes	65.979	66.166	0.1865	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.186	0.000	0.186	0.000	0.000	0.000
Gulf Coast	OK	Hughes	66.166	66.301	0.1347	OK063	Verdigris silt loam, 0 to 2 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.135	0.000	0.000	0.000
Gulf Coast	OK	Hughes	66.301	66.479	0.1781	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.178	0.000	0.178	0.000	0.000	0.000
Gulf Coast	OK	Hughes	66.479	66.515	0.0361	OK063	Verdigris silt loam, 0 to 2 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000
Gulf Coast	OK	Hughes	66.515	67.316	0.8011	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.801	0.000	0.801	0.000	0.000	0.000
Gulf Coast	OK	Hughes	67.316	67.377	0.0613	OK063	Verdigris silt loam, 0 to 2 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.061	0.000	0.000	0.000
Gulf Coast	OK	Hughes	67.377	67.428	0.0511	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.051	0.000	0.051	0.000	0.000	0.000
Gulf Coast	OK	Hughes	67.428	67.467	0.0390	OK063	Verdigris silt loam, 0 to 2 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.039	0.000	0.000	0.000
Gulf Coast	OK	Hughes	67.467	67.521	0.0542	OK063	Osage clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.000	0.054	0.054	0.000	0.000	0.000
Gulf Coast	OK	Hughes	67.521	67.574	0.0529	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.053	0.000	0.000	0.000	0.021	0.053	0.034	0.000
Gulf Coast	OK	Hughes	67.574	67.821	0.2470	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.247	0.000	0.185	0.062	0.247	0.000
Gulf Coast	OK	Hughes	67.821	67.888	0.0665	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.066	0.000	0.000	0.000	0.027	0.066	0.043	0.000
Gulf Coast	OK	Hughes	67.888	68.351	0.4636	OK063	Clearview fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.464	0.000	0.464	0.000	0.464	0.000
Gulf Coast	OK	Hughes	68.351	68.364	0.0128	OK063	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.013	0.000	0.013	0.000	0.000	0.000
Gulf Coast	OK	Hughes	68.364	68.477	0.1128	OK063	Clearview fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.113	0.000	0.113	0.000	0.113	0.000
Gulf Coast	OK	Hughes	68.477	68.655	0.1782	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.178	0.000	0.178	0.178	0.000	0.000
Gulf Coast	OK	Hughes	68.655	68.841	0.1860	OK063	Stidham loamy fine sand, 0 to 2 percent slopes	0.000	0.000	0.000	0.186	0.000	0.186	0.000	0.000	0.186
Gulf Coast	OK	Hughes	68.841	69.271	0.4297	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.430	0.000	0.000	0.430
Gulf Coast	OK	Hughes	69.271	69.345	0.0739	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.000	0.000	0.000	0.074	0.000	0.074	0.000	0.000	0.074
Gulf Coast	OK	Hughes	69.345	69.551	0.2059	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.206	0.000	0.206	0.000	0.000	0.000
Gulf Coast	OK	Hughes	69.551	69.820	0.2692	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.269	0.000	0.000	0.269
Gulf Coast	OK	Hughes	69.820	69.854	0.0343	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.000	0.000	0.000	0.034	0.000	0.034	0.000	0.000	0.034
Gulf Coast	OK	Hughes	69.854	69.898	0.0437	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.044	0.000	0.000	0.044
Gulf Coast	OK	Hughes	69.898	70.109	0.2113	OK063	Glentosh fine sand, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.211
Gulf Coast	OK	Hughes	70.109	70.177	0.0676	OK063	Wynona clay loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.000	0.068	0.068	0.000	0.000	0.000
Gulf Coast	OK	Hughes	70.177	70.500	0.3236	OK063	Osage clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.000	0.324	0.324	0.000	0.000	0.000
Gulf Coast	OK	Hughes	70.500	70.526	0.0256	OK063	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	OK	Hughes	70.526	70.569	0.0428	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.043	0.000	0.043	0.000	0.000	0.000
Gulf Coast	OK	Hughes	70.569	70.759	0.1901	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.190	0.000	0.000	0.000	0.076	0.190	0.124	0.000
Gulf Coast	OK	Hughes	70.759	70.872	0.1137	OK063	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.114	0.000	0.114	0.000
Gulf Coast	OK	Hughes	70.872	70.967	0.0947	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.095	0.000	0.000	0.095
Gulf Coast	OK	Hughes	70.967	70.970	0.0028	OK063	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.003	0.000
Gulf Coast	OK	Hughes	70.970	71.077	0.1071	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.107	0.000	0.000	0.000	0.043	0.107	0.070	0.000
Gulf Coast	OK	Hughes	71.077	71.379	0.3023	OK063	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.302	0.000	0.302	0.000
Gulf Coast	OK	Hughes	71.379	71.572	0.1927	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.193	0.000	0.145	0.048	0.193	0.000
Gulf Coast	OK	Hughes	71.572	71.631	0.0587	OK063	Clearview fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.059	0.000	0.059	0.000	0.059	0.000
Gulf Coast	OK	Hughes	71.631	71.741	0.1104	OK063	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.110	0.000	0.110	0.000
Gulf Coast	OK	Hughes	71.741	71.961	0.2201	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.220	0.000	0.000	0.000	0.088	0.220	0.143	0.000
Gulf Coast	OK	Hughes	71.961	72.040	0.0786	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.079	0.000	0.059	0.020	0.079	0.000
Gulf Coast	OK	Hughes	72.040	72.051	0.0109	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.011	0.000	0.000	0.000	0.004	0.011	0.007	0.000
Gulf Coast	OK	Hughes	72.051	72.162	0.1116	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.112	0.000	0.084	0.028	0.112	0.000
Gulf Coast	OK	Hughes	72.162	72.224	0.0614	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.061	0.000	0.000	0.000	0.025	0.061	0.040	0.000
Gulf Coast	OK	Hughes	72.224	72.321	0.0972	OK063	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.097	0.000	0.097	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Hughes	72.321	72.430	0.1094	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.109	0.000	0.000	0.000	0.044	0.109	0.071	0.000
Gulf Coast	OK	Hughes	72.430	72.628	0.1972	OK063	Clearview-Hector complex, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.148	0.049	0.197	0.000
Gulf Coast	OK	Hughes	72.628	72.666	0.0386	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.039	0.000	0.000	0.000	0.015	0.039	0.025	0.000
Gulf Coast	OK	Hughes	72.666	72.857	0.1904	OK063	Clearview-Hector complex, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.143	0.048	0.190	0.000
Gulf Coast	OK	Hughes	72.857	72.917	0.0606	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.061	0.000	0.000	0.000	0.024	0.061	0.039	0.000
Gulf Coast	OK	Hughes	72.917	73.041	0.1239	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.124	0.000	0.000	0.124
Gulf Coast	OK	Hughes	73.041	73.139	0.0980	OK063	Okay loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.098	0.000	0.098	0.000	0.000	0.000
Gulf Coast	OK	Hughes	73.139	73.182	0.0424	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.042	0.000	0.000	0.042
Gulf Coast	OK	Hughes	73.182	73.224	0.0421	OK063	Okay loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.042	0.000	0.042	0.000	0.000	0.000
Gulf Coast	OK	Hughes	73.224	73.418	0.1946	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.195	0.000	0.000	0.195
Gulf Coast	OK	Hughes	73.418	73.504	0.0860	OK063	Kamie fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.086	0.000	0.086	0.000	0.000	0.000
Gulf Coast	OK	Hughes	73.504	73.607	0.1027	OK063	Okay loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.103	0.000	0.103	0.000	0.000	0.000
Gulf Coast	OK	Hughes	73.607	73.702	0.0945	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.095	0.000	0.000	0.095
Gulf Coast	OK	Hughes	73.702	73.933	0.2314	OK063	Kamie fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.231	0.000	0.231	0.000	0.000	0.000
Gulf Coast	OK	Hughes	73.933	74.067	0.1340	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.134	0.000	0.000	0.000	0.054	0.134	0.087	0.000
Gulf Coast	OK	Hughes	74.067	74.157	0.0904	OK063	Kiomatia loamy fine sand, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.090
Gulf Coast	OK	Hughes	74.157	74.288	0.1306	OK063	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	OK	Hughes	74.288	74.431	0.1428	OK063	Kiomatia loamy fine sand, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.143
Gulf Coast	OK	Hughes	74.431	74.793	0.3623	OK063	Choska very fine sandy loam, 0 to 1 percent slopes, rarely flooded	0.000	0.000	0.000	0.362	0.000	0.000	0.000	0.000	0.362
Gulf Coast	OK	Hughes	74.793	74.945	0.1520	OK063	Kiomatia loamy fine sand, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.152
Gulf Coast	OK	Hughes	74.945	75.112	0.1672	OK063	Larton-Glentosh complex, 8 to 20 percent slopes	0.000	0.109	0.000	0.000	0.000	0.109	0.000	0.000	0.142
Gulf Coast	OK	Hughes	75.112	75.145	0.0329	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	0.000	0.021	0.000	0.000	0.000	0.007	0.021	0.015	0.000
Gulf Coast	OK	Hughes	75.145	75.438	0.2933	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.293	0.000	0.000	0.000	0.117	0.293	0.191	0.000
Gulf Coast	OK	Hughes	75.438	75.587	0.1490	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.000	0.000	0.000	0.149	0.000	0.149	0.000	0.000	0.149
Gulf Coast	OK	Hughes	75.587	75.620	0.0325	OK063	Larton-Glentosh complex, 8 to 20 percent slopes	0.000	0.021	0.000	0.000	0.000	0.021	0.000	0.000	0.028
Gulf Coast	OK	Hughes	75.620	75.640	0.0198	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.000	0.000	0.000	0.020	0.000	0.020	0.000	0.000	0.020
Gulf Coast	OK	Hughes	75.640	75.683	0.0430	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.043	0.000	0.000	0.043
Gulf Coast	OK	Hughes	75.683	75.868	0.1849	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.000	0.000	0.000	0.185	0.000	0.185	0.000	0.000	0.185
Gulf Coast	OK	Hughes	75.868	75.952	0.0846	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.085	0.000	0.000	0.085
Gulf Coast	OK	Hughes	75.952	76.020	0.0679	OK063	Choska very fine sandy loam, 0 to 1 percent slopes, rarely flooded	0.000	0.000	0.000	0.068	0.000	0.000	0.000	0.000	0.068
Gulf Coast	OK	Hughes	76.020	76.057	0.0364	OK063	Verdigris silt loam, 0 to 2 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000
Gulf Coast	OK	Hughes	76.057	76.137	0.0800	OK063	Choska very fine sandy loam, 0 to 1 percent slopes, rarely flooded	0.000	0.000	0.000	0.080	0.000	0.000	0.000	0.000	0.080
Gulf Coast	OK	Hughes	76.137	76.182	0.0450	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.000	0.000	0.000	0.045	0.000	0.045	0.000	0.000	0.045
Gulf Coast	OK	Hughes	76.182	76.305	0.1229	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.123	0.000	0.000	0.000	0.049	0.123	0.080	0.000
Gulf Coast	OK	Hughes	76.305	76.655	0.3500	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.350	0.000	0.000	0.350
Gulf Coast	OK	Hughes	76.655	76.767	0.1129	OK063	Choska very fine sandy loam, 0 to 1 percent slopes, rarely flooded	0.000	0.000	0.000	0.113	0.000	0.000	0.000	0.000	0.113
Gulf Coast	OK	Hughes	76.767	76.874	0.1069	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.107	0.000	0.000	0.107
Gulf Coast	OK	Hughes	76.874	76.903	0.0283	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.000	0.000	0.000	0.028	0.000	0.028	0.000	0.000	0.028
Gulf Coast	OK	Hughes	76.903	77.015	0.1122	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.112	0.000	0.000	0.112
Gulf Coast	OK	Hughes	77.015	77.150	0.1354	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.000	0.000	0.000	0.135	0.000	0.135	0.000	0.000	0.135
Gulf Coast	OK	Hughes	77.150	77.214	0.0639	OK063	Okay loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.064	0.000	0.064	0.000	0.000	0.000
Gulf Coast	OK	Hughes	77.214	77.316	0.1020	OK063	Kamie fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.102	0.000	0.102	0.000	0.000	0.000
Gulf Coast	OK	Hughes	77.316	77.437	0.1207	OK063	Parsons silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.121	0.000	0.121	0.000	0.000	0.000
Gulf Coast	OK	Hughes	77.437	77.537	0.0999	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.100	0.000	0.100	0.100	0.000	0.000
Gulf Coast	OK	Hughes	77.537	77.591	0.0544	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.054	0.000	0.000	0.000
Gulf Coast	OK	Hughes	77.591	77.800	0.2091	OK063	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.209	0.000	0.209	0.000	0.000	0.000
Gulf Coast	OK	Hughes	77.800	77.928	0.1276	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.128	0.000	0.000	0.000
Gulf Coast	OK	Hughes	77.928	78.153	0.2252	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.225	0.000	0.225	0.225	0.000	0.000
Gulf Coast	OK	Hughes	78.153	78.259	0.1065	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.107	0.000	0.000	0.000	0.075	0.107	0.000	0.000
Gulf Coast	OK	Hughes	78.259	78.340	0.0808	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.081	0.000	0.000	0.000
Gulf Coast	OK	Hughes	78.340	78.445	0.1051	OK063	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.105	0.000	0.105	0.000	0.000	0.000
Gulf Coast	OK	Hughes	78.445	78.538	0.0928	OK063	Eram-Verdigris complex, 0 to 20 percent slopes	0.000	0.051	0.000	0.000	0.000	0.093	0.000	0.000	0.000
Gulf Coast	OK	Hughes	78.538	78.591	0.0530	OK063	Parsons silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.053	0.000	0.053	0.000	0.000	0.000
Gulf Coast	OK	Hughes	78.591	78.649	0.0576	OK063	Eram-Verdigris complex, 0 to 20 percent slopes	0.000	0.032	0.000	0.000	0.000	0.058	0.000	0.000	0.000
Gulf Coast	OK	Hughes	78.649	78.683	0.0342	OK063	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.034	0.000	0.034	0.000	0.000	0.000
Gulf Coast	OK	Hughes	78.683	78.833	0.1497	OK063	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.150	0.000	0.000	0.000
Gulf Coast	OK	Hughes	78.833	78.933	0.1004	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.100	0.000	0.100	0.100	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Hughes	78.933	78.969	0.0358	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000
Gulf Coast	OK	Hughes	78.969	79.015	0.0467	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.000	0.000	0.000	0.047	0.000	0.047	0.000	0.000	0.047
Gulf Coast	OK	Hughes	79.015	79.038	0.0228	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.023	0.000	0.000	0.000
Gulf Coast	OK	Hughes	79.038	79.144	0.1062	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.000	0.000	0.000	0.106	0.000	0.106	0.000	0.000	0.106
Gulf Coast	OK	Hughes	79.144	79.595	0.4508	OK063	Glentosh fine sand, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.451
Gulf Coast	OK	Hughes	79.595	79.696	0.1003	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.000	0.000	0.000	0.100	0.000	0.100	0.000	0.000	0.100
Gulf Coast	OK	Hughes	79.696	79.759	0.0634	OK063	Verdigris silt loam, 0 to 2 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.063	0.000	0.000	0.000
Gulf Coast	OK	Hughes	79.759	79.876	0.1166	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.000	0.000	0.000	0.117	0.000	0.117	0.000	0.000	0.117
Gulf Coast	OK	Hughes	79.876	80.093	0.2178	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.218	0.000	0.000	0.218
Gulf Coast	OK	Hughes	80.093	80.247	0.1532	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.000	0.000	0.000	0.153	0.000	0.153	0.000	0.000	0.153
Gulf Coast	OK	Hughes	80.247	80.299	0.0523	OK063	Verdigris silt loam, 0 to 2 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.052	0.000	0.000	0.000
Gulf Coast	OK	Hughes	80.299	80.352	0.0526	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.000	0.000	0.000	0.053	0.000	0.053	0.000	0.000	0.053
Gulf Coast	OK	Hughes	80.352	80.440	0.0884	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.088	0.000	0.000	0.088
Gulf Coast	OK	Hughes	80.440	80.649	0.2091	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.000	0.000	0.000	0.209	0.000	0.209	0.000	0.000	0.209
Gulf Coast	OK	Hughes	80.649	80.818	0.1695	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.169	0.000	0.000	0.169
Gulf Coast	OK	Hughes	80.818	81.077	0.2589	OK063	Stidham loamy fine sand, 0 to 2 percent slopes	0.000	0.000	0.000	0.259	0.000	0.259	0.000	0.000	0.259
Gulf Coast	OK	Hughes	81.077	81.108	0.0306	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.031	0.000	0.000	0.031
Gulf Coast	OK	Hughes	81.108	81.236	0.1279	OK063	Stidham loamy fine sand, 0 to 2 percent slopes	0.000	0.000	0.000	0.128	0.000	0.128	0.000	0.000	0.128
Gulf Coast	OK	Hughes	81.236	81.309	0.0727	OK063	Okay loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.073	0.000	0.073	0.000	0.000	0.000
Gulf Coast	OK	Hughes	81.309	81.435	0.1265	OK063	Stidham loamy fine sand, 0 to 2 percent slopes	0.000	0.000	0.000	0.127	0.000	0.127	0.000	0.000	0.127
Gulf Coast	OK	Hughes	81.435	82.554	1.1193	OK063	Wann loam, 0 to 1 percent slopes	0.000	1.119	0.000	0.000	0.000	0.448	1.119	0.728	0.000
Gulf Coast	OK	Hughes	82.554	82.801	0.2467	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.247	0.000	0.185	0.062	0.247	0.000
Gulf Coast	OK	Hughes	82.801	83.199	0.3981	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.398	0.000	0.000	0.000	0.159	0.398	0.259	0.000
Gulf Coast	OK	Hughes	83.199	83.312	0.1124	OK063	Clearview-Hector complex, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.084	0.028	0.112	0.000
Gulf Coast	OK	Hughes	83.312	83.330	0.0189	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.019	0.000	0.014	0.005	0.019	0.000
Gulf Coast	OK	Hughes	83.330	83.395	0.0644	OK063	Clearview-Hector complex, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.048	0.016	0.064	0.000
Gulf Coast	OK	Hughes	83.395	83.424	0.0288	OK063	Clearview fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.029	0.000	0.029	0.000	0.029	0.000
Gulf Coast	OK	Hughes	83.424	83.673	0.2491	OK063	Clearview-Hector complex, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.187	0.062	0.249	0.000
Gulf Coast	OK	Hughes	83.673	83.750	0.0777	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.078	0.000	0.000	0.000	0.031	0.078	0.051	0.000
Gulf Coast	OK	Hughes	83.750	83.864	0.1133	OK063	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.113	0.113	0.000	0.000
Gulf Coast	OK	Hughes	83.864	83.936	0.0725	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.072	0.000	0.000	0.000
Gulf Coast	OK	Hughes	83.936	84.233	0.2971	OK063	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.297	0.000	0.297	0.000	0.000	0.000
Gulf Coast	OK	Hughes	84.233	84.267	0.0338	OK063	Bates fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.034	0.000	0.034	0.034	0.000	0.000
Gulf Coast	OK	Hughes	84.267	84.321	0.0540	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.054	0.000	0.000	0.000
Gulf Coast	OK	Hughes	84.321	84.369	0.0477	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.046	0.000	0.037	0.046	0.000	0.000
Gulf Coast	OK	Hughes	84.369	84.401	0.0325	OK063	Eram-Verdigris complex, 0 to 20 percent slopes	0.000	0.018	0.000	0.000	0.000	0.033	0.000	0.000	0.000
Gulf Coast	OK	Hughes	84.401	84.580	0.1789	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.174	0.000	0.138	0.174	0.000	0.000
Gulf Coast	OK	Hughes	84.580	84.702	0.1222	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.122	0.000	0.122	0.000	0.000	0.000
Gulf Coast	OK	Hughes	84.702	84.853	0.1504	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	0.000	0.098	0.000	0.000	0.000	0.030	0.098	0.068	0.000
Gulf Coast	OK	Hughes	84.853	84.934	0.0812	OK063	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.081	0.000	0.081	0.000
Gulf Coast	OK	Hughes	84.934	84.963	0.0289	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	0.000	0.019	0.000	0.000	0.000	0.006	0.019	0.013	0.000
Gulf Coast	OK	Hughes	84.963	85.071	0.1077	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.108	0.000	0.108	0.000	0.000	0.000
Gulf Coast	OK	Hughes	85.071	85.096	0.0253	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.025	0.000	0.000	0.000	0.010	0.025	0.016	0.000
Gulf Coast	OK	Hughes	85.096	85.135	0.0386	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	0.000	0.025	0.000	0.000	0.000	0.008	0.025	0.017	0.000
Gulf Coast	OK	Hughes	85.135	85.214	0.0797	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.080	0.000	0.060	0.020	0.080	0.000
Gulf Coast	OK	Hughes	85.214	85.216	0.0014	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	0.000	0.001	0.000	0.000	0.000	0.000	0.001	0.001	0.000
Gulf Coast	OK	Hughes	85.216	85.504	0.2888	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.289	0.000	0.217	0.072	0.289	0.000
Gulf Coast	OK	Hughes	85.504	85.559	0.0542	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	0.000	0.035	0.000	0.000	0.000	0.011	0.035	0.024	0.000
Gulf Coast	OK	Hughes	85.559	85.598	0.0396	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.040	0.000	0.000	0.000	0.016	0.040	0.026	0.000
Gulf Coast	OK	Hughes	85.598	85.638	0.0401	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.040	0.000	0.000	0.000	0.028	0.040	0.000	0.000
Gulf Coast	OK	Hughes	85.638	85.666	0.0276	OK063	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.028	0.000	0.000	0.000
Gulf Coast	OK	Hughes	85.666	85.777	0.1112	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.108	0.000	0.086	0.108	0.000	0.000
Gulf Coast	OK	Hughes	85.777	85.782	0.0053	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.005	0.000	0.000	0.000	0.002	0.005	0.003	0.000
Gulf Coast	OK	Hughes	85.782	85.846	0.0634	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.063	0.000	0.063	0.000	0.000	0.000
Gulf Coast	OK	Hughes	85.846	85.905	0.0588	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.057	0.000	0.045	0.057	0.000	0.000
Gulf Coast	OK	Hughes	85.905	85.951	0.0468	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.047	0.000	0.000	0.000	0.033	0.047	0.000	0.000
Gulf Coast	OK	Hughes	85.951	86.180	0.2288	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.222	0.000	0.176	0.222	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Hughes	86.180	86.329	0.1493	OK063	Bates fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.149	0.000	0.149	0.149	0.000	0.000
Gulf Coast	OK	Hughes	86.329	86.530	0.2009	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.201	0.000	0.000	0.000	0.080	0.201	0.131	0.000
Gulf Coast	OK	Hughes	86.530	86.547	0.0167	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.017	0.000	0.017	0.000	0.000	0.000
Gulf Coast	OK	Hughes	86.547	86.784	0.2366	OK063	Osage clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.000	0.237	0.237	0.000	0.000	0.000
Gulf Coast	OK	Coal	86.784	87.145	0.3619	OK029	Kaufman silty clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.326	0.000	0.326	0.000	0.000	0.000
Gulf Coast	OK	Coal	87.145	87.204	0.0582	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.022	0.022	0.000	0.000	0.029
Gulf Coast	OK	Coal	87.204	87.383	0.1793	OK029	Rexor loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.170	0.000	0.170	0.000	0.000	0.000
Gulf Coast	OK	Coal	87.383	87.441	0.0585	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.000	0.056	0.056	0.000	0.000	0.000
Gulf Coast	OK	Coal	87.441	87.583	0.1418	OK029	Kaufman silty clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.128	0.000	0.128	0.000	0.000	0.000
Gulf Coast	OK	Coal	87.583	87.602	0.0186	OK029	Bosville loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.018	0.000	0.018	0.000	0.000	0.000
Gulf Coast	OK	Coal	87.602	87.770	0.1685	OK029	Steedman clay loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.152	0.000	0.152	0.000	0.000	0.000
Gulf Coast	OK	Coal	87.770	87.811	0.0406	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.037	0.000	0.000	0.000	0.026	0.010	0.010	0.000
Gulf Coast	OK	Coal	87.811	87.848	0.0369	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.014	0.014	0.000	0.000	0.018
Gulf Coast	OK	Coal	87.848	88.021	0.1729	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.156	0.000	0.000	0.000	0.112	0.043	0.043	0.000
Gulf Coast	OK	Coal	88.021	88.301	0.2808	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.253	0.000	0.000	0.000	0.197	0.056	0.056	0.000
Gulf Coast	OK	Coal	88.301	89.422	1.1201	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	1.008	0.000	0.000	0.000	0.728	0.280	0.280	0.000
Gulf Coast	OK	Coal	89.422	89.440	0.0190	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.017	0.000	0.000	0.000	0.013	0.004	0.004	0.000
Gulf Coast	OK	Coal	89.440	89.735	0.2941	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.265	0.000	0.000	0.000	0.191	0.074	0.074	0.000
Gulf Coast	OK	Coal	89.735	89.837	0.1021	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.092	0.000	0.000	0.000	0.071	0.020	0.020	0.000
Gulf Coast	OK	Coal	89.837	89.932	0.0958	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.077	0.043	0.000	0.000
Gulf Coast	OK	Coal	89.932	89.980	0.0472	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.045	0.000	0.000	0.000
Gulf Coast	OK	Coal	89.980	90.039	0.0596	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.057	0.000	0.057	0.000	0.015	0.000
Gulf Coast	OK	Coal	90.039	90.082	0.0423	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.038	0.000	0.000	0.000	0.028	0.011	0.011	0.000
Gulf Coast	OK	Coal	90.082	90.108	0.0269	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.024	0.000	0.000	0.000	0.019	0.005	0.005	0.000
Gulf Coast	OK	Coal	90.108	90.195	0.0867	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.078	0.000	0.000	0.000	0.056	0.022	0.022	0.000
Gulf Coast	OK	Coal	90.195	90.221	0.0259	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.025	0.000	0.025	0.000	0.006	0.000
Gulf Coast	OK	Coal	90.221	90.364	0.1427	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.128	0.000	0.000	0.000	0.093	0.036	0.036	0.000
Gulf Coast	OK	Coal	90.364	90.571	0.2077	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.197	0.000	0.197	0.000	0.197	0.000
Gulf Coast	OK	Coal	90.571	90.654	0.0824	OK029	Clearview fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.078	0.000	0.078	0.000	0.078	0.000
Gulf Coast	OK	Coal	90.654	90.671	0.0167	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.016	0.000	0.016	0.000	0.004	0.000
Gulf Coast	OK	Coal	90.671	90.866	0.1951	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.185	0.000	0.185	0.000	0.185	0.000
Gulf Coast	OK	Coal	90.866	90.913	0.0471	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.040	0.000	0.040	0.000
Gulf Coast	OK	Coal	90.913	91.043	0.1304	OK029	Clearview fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.124	0.000	0.124	0.000	0.124	0.000
Gulf Coast	OK	Coal	91.043	91.298	0.2549	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.000	0.242	0.242	0.000	0.000	0.000
Gulf Coast	OK	Coal	91.298	91.317	0.0186	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.018	0.000	0.000	0.000
Gulf Coast	OK	Coal	91.317	91.449	0.1324	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.113	0.000	0.113	0.000
Gulf Coast	OK	Coal	91.449	91.633	0.1842	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.166	0.000	0.000	0.000	0.120	0.046	0.046	0.000
Gulf Coast	OK	Coal	91.633	91.752	0.1187	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.113	0.000	0.113	0.000	0.030	0.000
Gulf Coast	OK	Coal	91.752	91.839	0.0875	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.079	0.000	0.000	0.000	0.057	0.022	0.022	0.000
Gulf Coast	OK	Coal	91.839	91.900	0.0601	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.057	0.000	0.057	0.000	0.015	0.000
Gulf Coast	OK	Coal	91.900	91.976	0.0769	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.069	0.000	0.000	0.000	0.050	0.019	0.019	0.000
Gulf Coast	OK	Coal	91.976	92.096	0.1197	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.102	0.000	0.102	0.000
Gulf Coast	OK	Coal	92.096	92.147	0.0509	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.041	0.023	0.000	0.000
Gulf Coast	OK	Coal	92.147	92.170	0.0231	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.022	0.000	0.000	0.000
Gulf Coast	OK	Coal	92.170	92.176	0.0058	OK029	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.005	0.000	0.005	0.000	0.000	0.000
Gulf Coast	OK	Coal	92.176	92.234	0.0575	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.022	0.022	0.000	0.000	0.029
Gulf Coast	OK	Coal	92.234	92.284	0.0506	OK029	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.046	0.000	0.046	0.000	0.000	0.000
Gulf Coast	OK	Coal	92.284	92.394	0.1094	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.104	0.000	0.104	0.000
Gulf Coast	OK	Coal	92.394	92.430	0.0361	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.032	0.000	0.000	0.000	0.023	0.009	0.009	0.000
Gulf Coast	OK	Coal	92.430	92.481	0.0514	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.046	0.000	0.000	0.000	0.036	0.010	0.010	0.000
Gulf Coast	OK	Coal	92.481	92.526	0.0454	OK029	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.043	0.000	0.043	0.000	0.000	0.000
Gulf Coast	OK	Coal	92.526	92.560	0.0333	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.013	0.013	0.000	0.000	0.017
Gulf Coast	OK	Coal	92.560	92.596	0.0366	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.033	0.000	0.000	0.000	0.026	0.007	0.007	0.000
Gulf Coast	OK	Coal	92.596	92.673	0.0767	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.061	0.035	0.000	0.000
Gulf Coast	OK	Coal	92.673	92.730	0.0568	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.054	0.000	0.000	0.000
Gulf Coast	OK	Coal	92.730	92.757	0.0271	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.014
Gulf Coast	OK	Coal	92.757	92.788	0.0308	OK029	Bates fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.029	0.000	0.029	0.029	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Coal	92.788	92.855	0.0669	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.025	0.025	0.000	0.000	0.033
Gulf Coast	OK	Coal	92.855	92.949	0.0948	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.076	0.043	0.000	0.000
Gulf Coast	OK	Coal	92.949	93.065	0.1156	OK029	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.110	0.110	0.000	0.000
Gulf Coast	OK	Coal	93.065	93.164	0.0993	OK029	Steedman clay loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.089	0.000	0.089	0.000	0.000	0.000
Gulf Coast	OK	Coal	93.164	93.211	0.0467	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.044	0.000	0.000	0.000
Gulf Coast	OK	Coal	93.211	93.311	0.1002	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.090	0.090	0.000	0.000
Gulf Coast	OK	Coal	93.311	93.329	0.0184	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.017	0.000	0.000	0.000	0.013	0.004	0.004	0.000
Gulf Coast	OK	Coal	93.329	93.370	0.0405	OK029	Steedman clay loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.036	0.000	0.036	0.000	0.000	0.000
Gulf Coast	OK	Coal	93.370	93.525	0.1553	OK029	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.148	0.000	0.148	0.000	0.000	0.000
Gulf Coast	OK	Coal	93.525	93.651	0.1262	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.120	0.000	0.000	0.000
Gulf Coast	OK	Coal	93.651	93.771	0.1197	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.096	0.054	0.000	0.000
Gulf Coast	OK	Coal	93.771	93.829	0.0583	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.055	0.000	0.000	0.000
Gulf Coast	OK	Coal	93.829	93.888	0.0586	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.053	0.053	0.000	0.000
Gulf Coast	OK	Coal	93.888	93.945	0.0572	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.051	0.000	0.000	0.000	0.040	0.011	0.011	0.000
Gulf Coast	OK	Coal	93.945	94.109	0.1634	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.147	0.000	0.000	0.000	0.106	0.041	0.041	0.000
Gulf Coast	OK	Coal	94.109	94.219	0.1101	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.105	0.000	0.105	0.000	0.105	0.000
Gulf Coast	OK	Coal	94.219	94.290	0.0709	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.067	0.000	0.067	0.000
Gulf Coast	OK	Coal	94.290	94.386	0.0967	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.037	0.037	0.000	0.000	0.048
Gulf Coast	OK	Coal	94.386	94.471	0.0851	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.068	0.038	0.000	0.000
Gulf Coast	OK	Coal	94.471	94.518	0.0468	OK029	Bosville loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.044	0.000	0.044	0.000	0.000	0.000
Gulf Coast	OK	Coal	94.518	94.583	0.0648	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.025	0.025	0.000	0.000	0.032
Gulf Coast	OK	Coal	94.583	94.686	0.1033	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.093	0.000	0.000	0.000	0.072	0.021	0.021	0.000
Gulf Coast	OK	Coal	94.686	94.785	0.0988	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.094	0.000	0.094	0.000	0.025	0.000
Gulf Coast	OK	Coal	94.785	94.859	0.0737	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.066	0.000	0.000	0.000	0.052	0.015	0.015	0.000
Gulf Coast	OK	Coal	94.859	94.909	0.0505	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.045	0.000	0.000	0.000	0.033	0.013	0.013	0.000
Gulf Coast	OK	Coal	94.909	95.070	0.1611	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.000	0.153	0.153	0.000	0.000	0.000
Gulf Coast	OK	Coal	95.070	95.128	0.0572	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.054	0.000	0.054	0.000	0.014	0.000
Gulf Coast	OK	Coal	95.128	95.226	0.0981	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.088	0.000	0.000	0.000	0.069	0.020	0.020	0.000
Gulf Coast	OK	Coal	95.226	95.382	0.1566	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.141	0.141	0.000	0.000
Gulf Coast	OK	Coal	95.382	95.464	0.0816	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.065	0.037	0.000	0.000
Gulf Coast	OK	Coal	95.464	95.514	0.0504	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.045	0.045	0.000	0.000
Gulf Coast	OK	Coal	95.514	95.637	0.1231	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.111	0.000	0.000	0.000	0.086	0.025	0.025	0.000
Gulf Coast	OK	Coal	95.637	95.674	0.0371	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.014	0.014	0.000	0.000	0.019
Gulf Coast	OK	Coal	95.674	95.744	0.0698	OK029	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.063	0.000	0.063	0.000	0.000	0.000
Gulf Coast	OK	Coal	95.744	95.948	0.2041	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.184	0.000	0.000	0.000	0.143	0.041	0.041	0.000
Gulf Coast	OK	Coal	95.948	96.094	0.1459	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.139	0.000	0.139	0.000	0.139	0.000
Gulf Coast	OK	Coal	96.094	96.176	0.0819	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.074	0.000	0.000	0.000	0.053	0.020	0.020	0.000
Gulf Coast	OK	Coal	96.176	96.273	0.0968	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.087	0.000	0.000	0.000	0.068	0.019	0.019	0.000
Gulf Coast	OK	Coal	96.273	96.349	0.0758	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.072	0.000	0.072	0.000	0.019	0.000
Gulf Coast	OK	Coal	96.349	96.411	0.0618	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.056	0.056	0.000	0.000
Gulf Coast	OK	Coal	96.411	96.645	0.2348	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.211	0.000	0.000	0.000	0.164	0.047	0.047	0.000
Gulf Coast	OK	Coal	96.645	96.693	0.0474	OK029	Steedman clay loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.043	0.000	0.043	0.000	0.000	0.000
Gulf Coast	OK	Coal	96.693	96.766	0.0727	OK029	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.069	0.000	0.069	0.000	0.000	0.000
Gulf Coast	OK	Coal	96.766	96.819	0.0531	OK029	Steedman clay loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.048	0.000	0.048	0.000	0.000	0.000
Gulf Coast	OK	Coal	96.819	96.908	0.0897	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.081	0.000	0.000	0.000	0.063	0.018	0.018	0.000
Gulf Coast	OK	Coal	96.908	96.986	0.0774	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.074	0.000	0.000	0.000
Gulf Coast	OK	Coal	96.986	97.199	0.2131	OK029	Pharoah silt loam, 0 to 1 percent slopes	0.000	0.000	0.202	0.000	0.000	0.202	0.000	0.000	0.000
Gulf Coast	OK	Coal	97.199	97.273	0.0740	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.028	0.028	0.000	0.000	0.037
Gulf Coast	OK	Coal	97.273	97.372	0.0994	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.094	0.000	0.000	0.000
Gulf Coast	OK	Coal	97.372	97.472	0.0998	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.090	0.090	0.000	0.000
Gulf Coast	OK	Coal	97.472	97.538	0.0657	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.056	0.000	0.056	0.000
Gulf Coast	OK	Coal	97.538	97.598	0.0607	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.049	0.027	0.000	0.000
Gulf Coast	OK	Coal	97.598	97.637	0.0385	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.015	0.015	0.000	0.000	0.019
Gulf Coast	OK	Coal	97.637	97.715	0.0783	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.070	0.000	0.000	0.000	0.051	0.020	0.020	0.000
Gulf Coast	OK	Coal	97.715	97.772	0.0568	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.054	0.000	0.054	0.000	0.014	0.000
Gulf Coast	OK	Coal	97.772	97.794	0.0224	OK029	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.021	0.000	0.021	0.000	0.000	0.000
Gulf Coast	OK	Coal	97.794	97.970	0.1760	OK029	Steedman clay loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.158	0.000	0.158	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Coal	97.970	98.023	0.0530	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.048	0.000	0.000	0.000	0.037	0.011	0.011	0.000
Gulf Coast	OK	Coal	98.023	98.072	0.0488	OK029	Steedman clay loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.044	0.000	0.044	0.000	0.000	0.000
Gulf Coast	OK	Coal	98.072	98.173	0.1004	OK029	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.095	0.000	0.095	0.000	0.000	0.000
Gulf Coast	OK	Coal	98.173	98.271	0.0983	OK029	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.093	0.000	0.093	0.000	0.000	0.000
Gulf Coast	OK	Coal	98.271	98.273	0.0024	OK029	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.000	0.000
Gulf Coast	OK	Coal	98.273	98.402	0.1290	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.103	0.058	0.000	0.000
Gulf Coast	OK	Coal	98.402	98.603	0.2003	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.190	0.000	0.000	0.000
Gulf Coast	OK	Coal	98.603	98.621	0.0183	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.015	0.008	0.000	0.000
Gulf Coast	OK	Coal	98.621	98.702	0.0812	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.073	0.000	0.000	0.000	0.057	0.016	0.016	0.000
Gulf Coast	OK	Coal	98.702	98.729	0.0270	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.024	0.000	0.000	0.000	0.018	0.007	0.007	0.000
Gulf Coast	OK	Coal	98.729	98.746	0.0170	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.015	0.015	0.000	0.000
Gulf Coast	OK	Coal	98.746	98.879	0.1331	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.120	0.000	0.000	0.000	0.087	0.033	0.033	0.000
Gulf Coast	OK	Coal	98.879	98.965	0.0855	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.077	0.077	0.000	0.000
Gulf Coast	OK	Coal	98.965	99.048	0.0832	OK029	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.079	0.079	0.000	0.000
Gulf Coast	OK	Coal	99.048	99.245	0.1970	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.187	0.000	0.000	0.000
Gulf Coast	OK	Coal	99.245	99.309	0.0640	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.058	0.000	0.000	0.000	0.042	0.016	0.016	0.000
Gulf Coast	OK	Coal	99.309	99.361	0.0518	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.049	0.000	0.049	0.000	0.013	0.000
Gulf Coast	OK	Coal	99.361	99.436	0.0751	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.000	0.071	0.071	0.000	0.000	0.000
Gulf Coast	OK	Coal	99.436	99.514	0.0782	OK029	Lightning-Healdton complex, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.020	0.074	0.055	0.074	0.000	0.000	0.000
Gulf Coast	OK	Coal	99.514	99.689	0.1746	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.166	0.000	0.000	0.000
Gulf Coast	OK	Coal	99.689	99.729	0.0408	OK029	Steedman-Dela complex, 5 to 30 percent slopes	0.000	0.015	0.000	0.000	0.000	0.015	0.000	0.000	0.014
Gulf Coast	OK	Coal	99.729	99.877	0.1476	OK029	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.140	0.000	0.140	0.000	0.000	0.000
Gulf Coast	OK	Coal	99.877	99.905	0.0281	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.022	0.013	0.000	0.000
Gulf Coast	OK	Coal	99.905	99.950	0.0453	OK029	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.043	0.000	0.043	0.000	0.000	0.000
Gulf Coast	OK	Coal	99.950	99.996	0.0458	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.037	0.021	0.000	0.000
Gulf Coast	OK	Coal	99.996	100.009	0.0131	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.012	0.000	0.012	0.000	0.012	0.000
Gulf Coast	OK	Coal	100.009	100.076	0.0666	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.053	0.030	0.000	0.000
Gulf Coast	OK	Coal	100.076	100.313	0.2371	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.213	0.000	0.000	0.000	0.154	0.059	0.059	0.000
Gulf Coast	OK	Coal	100.313	100.389	0.0765	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.073	0.000	0.073	0.000	0.073	0.000
Gulf Coast	OK	Coal	100.389	100.589	0.2000	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.180	0.000	0.000	0.000	0.130	0.050	0.050	0.000
Gulf Coast	OK	Coal	100.589	100.630	0.0405	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.015	0.015	0.000	0.000	0.020
Gulf Coast	OK	Coal	100.630	100.710	0.0803	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.072	0.000	0.000	0.000	0.052	0.020	0.020	0.000
Gulf Coast	OK	Coal	100.710	100.964	0.2537	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.241	0.000	0.241	0.000	0.063	0.000
Gulf Coast	OK	Coal	100.964	101.443	0.4792	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.431	0.000	0.000	0.000	0.311	0.120	0.120	0.000
Gulf Coast	OK	Coal	101.443	101.528	0.0848	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.076	0.000	0.000	0.000	0.059	0.017	0.017	0.000
Gulf Coast	OK	Coal	101.528	101.570	0.0423	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.038	0.000	0.000	0.000	0.028	0.011	0.011	0.000
Gulf Coast	OK	Coal	101.570	101.679	0.1084	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.103	0.000	0.103	0.000	0.103	0.000
Gulf Coast	OK	Coal	101.679	101.853	0.1747	OK029	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.157	0.000	0.157	0.000	0.000	0.000
Gulf Coast	OK	Coal	101.853	101.906	0.0529	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.020	0.020	0.000	0.000	0.026
Gulf Coast	OK	Coal	101.906	102.004	0.0973	OK029	Bates fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.092	0.000	0.092	0.092	0.000	0.000
Gulf Coast	OK	Coal	102.004	102.025	0.0211	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.020	0.000	0.020	0.000	0.005	0.000
Gulf Coast	OK	Coal	102.025	102.079	0.0544	OK029	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.052	0.052	0.000	0.000
Gulf Coast	OK	Coal	102.079	102.122	0.0429	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.039	0.000	0.000	0.000	0.028	0.011	0.011	0.000
Gulf Coast	OK	Coal	102.122	102.157	0.0352	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.013	0.013	0.000	0.000	0.018
Gulf Coast	OK	Coal	102.157	102.559	0.4012	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.361	0.000	0.000	0.000	0.261	0.100	0.100	0.000
Gulf Coast	OK	Coal	102.559	102.678	0.1197	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.045	0.045	0.000	0.000	0.060
Gulf Coast	OK	Coal	102.678	102.902	0.2238	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.201	0.000	0.000	0.000	0.145	0.056	0.056	0.000
Gulf Coast	OK	Coal	102.902	102.917	0.0146	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.013	0.000	0.000	0.000	0.010	0.003	0.003	0.000
Gulf Coast	OK	Coal	102.917	103.038	0.1213	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.097	0.055	0.000	0.000
Gulf Coast	OK	Coal	103.038	103.127	0.0887	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.000	0.084	0.084	0.000	0.000	0.000
Gulf Coast	OK	Coal	103.127	103.169	0.0424	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.040	0.000	0.000	0.000
Gulf Coast	OK	Coal	103.169	103.185	0.0164	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.013	0.007	0.000	0.000
Gulf Coast	OK	Coal	103.185	103.311	0.1257	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.119	0.000	0.000	0.000
Gulf Coast	OK	Coal	103.311	103.340	0.0293	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.023	0.013	0.000	0.000
Gulf Coast	OK	Coal	103.340	103.441	0.1007	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.096	0.000	0.000	0.000
Gulf Coast	OK	Coal	103.441	103.594	0.1533	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.123	0.069	0.000	0.000
Gulf Coast	OK	Coal	103.594	103.635	0.0407	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.015	0.015	0.000	0.000	0.020

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Coal	103.635	103.772	0.1366	OK029	Steedman clay loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.123	0.000	0.123	0.000	0.000	0.000
Gulf Coast	OK	Coal	103.772	104.174	0.4028	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.363	0.000	0.000	0.000	0.282	0.081	0.081	0.000
Gulf Coast	OK	Coal	104.174	104.227	0.0522	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.050	0.000	0.050	0.000	0.013	0.000
Gulf Coast	OK	Coal	104.227	104.297	0.0699	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.066	0.000	0.000	0.000
Gulf Coast	OK	Coal	104.297	104.388	0.0914	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.078	0.000	0.078	0.000
Gulf Coast	OK	Coal	104.388	104.437	0.0490	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.044	0.000	0.000	0.000	0.032	0.012	0.012	0.000
Gulf Coast	OK	Coal	104.437	104.590	0.1527	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.145	0.000	0.145	0.000	0.038	0.000
Gulf Coast	OK	Coal	104.590	104.981	0.3911	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.352	0.000	0.000	0.000	0.254	0.098	0.098	0.000
Gulf Coast	OK	Coal	104.981	105.165	0.1837	OK029	Clearview fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.174	0.000	0.174	0.000	0.174	0.000
Gulf Coast	OK	Coal	105.165	105.216	0.0519	OK029	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.049	0.000	0.049	0.000	0.000	0.000
Gulf Coast	OK	Coal	105.216	105.374	0.1580	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.142	0.000	0.000	0.000	0.103	0.040	0.040	0.000
Gulf Coast	OK	Coal	105.374	105.430	0.0554	OK029	Clearview fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.053	0.000	0.053	0.000	0.053	0.000
Gulf Coast	OK	Coal	105.430	105.501	0.0708	OK029	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.067	0.000	0.067	0.000	0.000	0.000
Gulf Coast	OK	Coal	105.501	105.586	0.0855	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.081	0.000	0.081	0.000	0.021	0.000
Gulf Coast	OK	Coal	105.586	105.694	0.1083	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.097	0.000	0.000	0.000	0.070	0.027	0.027	0.000
Gulf Coast	OK	Coal	105.694	105.753	0.0581	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.055	0.000	0.055	0.000	0.015	0.000
Gulf Coast	OK	Coal	105.753	105.866	0.1133	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.108	0.000	0.000	0.000
Gulf Coast	OK	Coal	105.866	105.996	0.1299	OK029	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.123	0.000	0.123	0.000	0.000	0.000
Gulf Coast	OK	Coal	105.996	106.031	0.0351	OK029	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.032	0.000	0.032	0.000	0.000	0.000
Gulf Coast	OK	Coal	106.031	106.059	0.0286	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.026	0.000	0.000	0.000	0.020	0.006	0.006	0.000
Gulf Coast	OK	Coal	106.059	106.173	0.1132	OK029	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.102	0.000	0.102	0.000	0.000	0.000
Gulf Coast	OK	Coal	106.173	106.233	0.0605	OK029	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.057	0.000	0.057	0.000	0.000	0.000
Gulf Coast	OK	Coal	106.233	106.262	0.0288	OK029	Steedman-Dela complex, 5 to 30 percent slopes	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.010
Gulf Coast	OK	Coal	106.262	106.301	0.0389	OK029	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.037	0.000	0.037	0.000	0.000	0.000
Gulf Coast	OK	Coal	106.301	106.383	0.0823	OK029	Bates fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.078	0.000	0.078	0.078	0.000	0.000
Gulf Coast	OK	Coal	106.383	106.432	0.0485	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.046	0.000	0.046	0.000	0.046	0.000
Gulf Coast	OK	Coal	106.432	106.492	0.0609	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.058	0.000	0.058	0.000	0.015	0.000
Gulf Coast	OK	Coal	106.492	106.535	0.0423	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.038	0.000	0.000	0.000	0.027	0.011	0.011	0.000
Gulf Coast	OK	Coal	106.535	106.621	0.0861	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.078	0.000	0.000	0.000	0.060	0.017	0.017	0.000
Gulf Coast	OK	Coal	106.621	106.654	0.0328	OK029	Bates fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.031	0.000	0.031	0.031	0.000	0.000
Gulf Coast	OK	Coal	106.654	106.757	0.1038	OK029	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.099	0.000	0.099	0.000	0.000	0.000
Gulf Coast	OK	Coal	106.757	106.847	0.0894	OK029	Parsons silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.076	0.000	0.076	0.000	0.000	0.000
Gulf Coast	OK	Coal	106.847	107.287	0.4399	OK029	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.418	0.000	0.418	0.000	0.000	0.000
Gulf Coast	OK	Coal	107.287	107.408	0.1211	OK029	Pharoah silt loam, 0 to 1 percent slopes	0.000	0.000	0.115	0.000	0.000	0.115	0.000	0.000	0.000
Gulf Coast	OK	Coal	107.408	107.486	0.0783	OK029	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.074	0.000	0.074	0.000	0.000	0.000
Gulf Coast	OK	Coal	107.486	107.542	0.0559	OK029	Pharoah silt loam, 0 to 1 percent slopes	0.000	0.000	0.053	0.000	0.000	0.053	0.000	0.000	0.000
Gulf Coast	OK	Coal	107.542	107.560	0.0178	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.017	0.000	0.017	0.000
Gulf Coast	OK	Coal	107.560	107.602	0.0422	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.038	0.000	0.000	0.000	0.027	0.011	0.011	0.000
Gulf Coast	OK	Coal	107.602	107.629	0.0268	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.025	0.000	0.025	0.000	0.025	0.000
Gulf Coast	OK	Coal	107.629	107.668	0.0392	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.015	0.015	0.000	0.000	0.020
Gulf Coast	OK	Coal	107.668	107.741	0.0725	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.062	0.000	0.062	0.000
Gulf Coast	OK	Coal	107.741	107.776	0.0350	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.013	0.013	0.000	0.000	0.018
Gulf Coast	OK	Coal	107.776	108.094	0.3187	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.303	0.000	0.303	0.000	0.303	0.000
Gulf Coast	OK	Coal	108.094	108.526	0.4321	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.410	0.000	0.000	0.000
Gulf Coast	OK	Coal	108.526	108.889	0.3623	OK029	Pharoah silt loam, 0 to 1 percent slopes	0.000	0.000	0.344	0.000	0.000	0.344	0.000	0.000	0.000
Gulf Coast	OK	Coal	108.889	108.934	0.0456	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.017	0.017	0.000	0.000	0.023
Gulf Coast	OK	Coal	108.934	109.018	0.0840	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.000	0.080	0.080	0.000	0.000	0.000
Gulf Coast	OK	Coal	109.018	109.129	0.1103	OK029	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.099	0.000	0.099	0.000	0.000	0.000
Gulf Coast	OK	Coal	109.129	109.231	0.1025	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.000	0.097	0.097	0.000	0.000	0.000
Gulf Coast	OK	Coal	109.231	109.418	0.1870	OK029	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.168	0.000	0.168	0.000	0.000	0.000
Gulf Coast	OK	Coal	109.418	109.460	0.0421	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.016	0.016	0.000	0.000	0.021
Gulf Coast	OK	Coal	109.460	109.484	0.0241	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.020	0.000
Gulf Coast	OK	Coal	109.484	109.718	0.2339	OK029	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.211	0.000	0.211	0.000	0.000	0.000
Gulf Coast	OK	Coal	109.718	109.772	0.0537	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.020	0.020	0.000	0.000	0.027
Gulf Coast	OK	Coal	109.772	109.991	0.2190	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.208	0.000	0.208	0.000	0.208	0.000
Gulf Coast	OK	Coal	109.991	110.282	0.2908	OK029	Bates fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.276	0.000	0.276	0.276	0.000	0.000
Gulf Coast	OK	Coal	110.282	110.361	0.0792	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.071	0.000	0.000	0.000	0.055	0.016	0.016	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Coal	110.361	110.399	0.0383	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.034	0.000	0.000	0.000	0.025	0.010	0.010	0.000
Gulf Coast	OK	Coal	110.399	110.675	0.2764	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.263	0.000	0.263	0.000	0.069	0.000
Gulf Coast	OK	Coal	110.675	110.694	0.0183	OK029	Clearview fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.017	0.000	0.017	0.000	0.017	0.000
Gulf Coast	OK	Coal	110.694	110.740	0.0463	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.044	0.000	0.044	0.000	0.012	0.000
Gulf Coast	OK	Coal	110.740	110.776	0.0359	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.032	0.000	0.000	0.000	0.023	0.009	0.009	0.000
Gulf Coast	OK	Coal	110.776	110.916	0.1399	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.126	0.000	0.000	0.000	0.098	0.028	0.028	0.000
Gulf Coast	OK	Coal	110.916	110.962	0.0465	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.018	0.018	0.000	0.000	0.023
Gulf Coast	OK	Coal	110.962	111.017	0.0542	OK029	Rexor loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.052	0.000	0.052	0.000	0.000	0.000
Gulf Coast	OK	Coal	111.017	111.177	0.1600	OK029	Pharoah silt loam, 0 to 1 percent slopes	0.000	0.000	0.152	0.000	0.000	0.152	0.000	0.000	0.000
Gulf Coast	OK	Coal	111.177	111.393	0.2163	OK029	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.195	0.000	0.195	0.000	0.000	0.000
Gulf Coast	OK	Coal	111.393	111.436	0.0428	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.016	0.016	0.000	0.000	0.021
Gulf Coast	OK	Coal	111.436	111.495	0.0589	OK029	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.056	0.000	0.056	0.000	0.000	0.000
Gulf Coast	OK	Coal	111.495	111.633	0.1382	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.131	0.000	0.000	0.000
Gulf Coast	OK	Coal	111.633	111.686	0.0526	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.042	0.024	0.000	0.000
Gulf Coast	OK	Coal	111.686	111.724	0.0385	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.037	0.000	0.000	0.000
Gulf Coast	OK	Coal	111.724	111.818	0.0944	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.075	0.042	0.000	0.000
Gulf Coast	OK	Coal	111.818	112.029	0.2107	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.200	0.000	0.000	0.000
Gulf Coast	OK	Coal	112.029	112.269	0.2399	OK029	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.228	0.000	0.228	0.000	0.000	0.000
Gulf Coast	OK	Coal	112.269	112.318	0.0486	OK029	Parsons silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.041	0.000	0.041	0.000	0.000	0.000
Gulf Coast	OK	Coal	112.318	112.714	0.3964	OK029	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.377	0.000	0.377	0.000	0.000	0.000
Gulf Coast	OK	Coal	112.714	112.741	0.0271	OK029	Steedman-Dela complex, 5 to 30 percent slopes	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.009
Gulf Coast	OK	Coal	112.741	112.856	0.1145	OK029	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.109	0.000	0.109	0.000	0.000	0.000
Gulf Coast	OK	Coal	112.856	112.941	0.0852	OK029	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.077	0.000	0.077	0.000	0.000	0.000
Gulf Coast	OK	Atoka	112.941	112.962	0.0212	OK005	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.021	0.000	0.021	0.000	0.000	0.000
Gulf Coast	OK	Atoka	112.962	113.189	0.2273	OK005	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.227	0.000	0.227	0.000	0.000	0.000
Gulf Coast	OK	Atoka	113.189	113.409	0.2200	OK005	Bates fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.220	0.000	0.220	0.007	0.000	0.000
Gulf Coast	OK	Atoka	113.409	113.804	0.3943	OK005	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.394	0.000	0.394	0.000	0.000	0.000
Gulf Coast	OK	Atoka	113.804	113.854	0.0506	OK005	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.051	0.000	0.051	0.000	0.000	0.000
Gulf Coast	OK	Atoka	113.854	113.891	0.0373	OK005	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.037	0.000	0.037	0.000	0.000	0.000
Gulf Coast	OK	Atoka	113.891	113.990	0.0984	OK005	Dennis and Eram soils, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.098	0.005	0.000	0.000
Gulf Coast	OK	Atoka	113.990	114.104	0.1140	OK005	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.114	0.000	0.114	0.000	0.000	0.000
Gulf Coast	OK	Atoka	114.104	114.185	0.0812	OK005	Eram clay loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.081	0.000	0.081	0.004	0.000	0.000
Gulf Coast	OK	Atoka	114.185	114.296	0.1113	OK005	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.111	0.000	0.111	0.000	0.000	0.000
Gulf Coast	OK	Atoka	114.296	114.351	0.0545	OK005	Eram clay loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.054	0.000	0.054	0.003	0.000	0.000
Gulf Coast	OK	Atoka	114.351	114.430	0.0797	OK005	Bates-Coweta complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.080	0.000	0.080	0.032	0.000	0.000
Gulf Coast	OK	Atoka	114.430	114.557	0.1269	OK005	Eram clay loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.127	0.000	0.127	0.006	0.000	0.000
Gulf Coast	OK	Atoka	114.557	114.623	0.0659	OK005	Parsons silt loam, 1 to 3 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.066	0.000	0.000	0.000
Gulf Coast	OK	Atoka	114.623	114.651	0.0275	OK005	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.027	0.000	0.027	0.000	0.000	0.000
Gulf Coast	OK	Atoka	114.651	114.898	0.2473	OK005	Parsons silt loam, 1 to 3 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.247	0.000	0.000	0.000
Gulf Coast	OK	Atoka	114.898	115.022	0.1236	OK005	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.124	0.000	0.124	0.000	0.000	0.000
Gulf Coast	OK	Atoka	115.022	115.072	0.0504	OK005	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.000
Gulf Coast	OK	Atoka	115.072	115.467	0.3951	OK005	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.395	0.000	0.395	0.000	0.000	0.000
Gulf Coast	OK	Atoka	115.467	115.712	0.2445	OK005	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.245	0.007	0.000	0.000
Gulf Coast	OK	Atoka	115.712	115.717	0.0057	OK005	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.006	0.000	0.006	0.000	0.000	0.000
Gulf Coast	OK	Atoka	115.717	115.826	0.1083	OK005	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.108	0.003	0.000	0.000
Gulf Coast	OK	Atoka	115.826	115.832	0.0060	OK005	Eram clay loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.006	0.001	0.000	0.000
Gulf Coast	OK	Atoka	115.832	115.851	0.0194	OK005	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.019	0.001	0.000	0.000
Gulf Coast	OK	Atoka	115.851	115.959	0.1084	OK005	Eram clay loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.108	0.011	0.000	0.000
Gulf Coast	OK	Atoka	115.959	116.026	0.0661	OK005	Bates-Coweta complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.066	0.000	0.066	0.026	0.000	0.000
Gulf Coast	OK	Atoka	116.026	116.091	0.0657	OK005	Eram clay loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.066	0.007	0.000	0.000
Gulf Coast	OK	Atoka	116.091	116.142	0.0507	OK005	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.051	0.000	0.051	0.000	0.000	0.000
Gulf Coast	OK	Atoka	116.142	116.232	0.0903	OK005	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.090	0.000	0.090	0.000	0.000	0.000
Gulf Coast	OK	Atoka	116.232	116.434	0.2020	OK005	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.202	0.000	0.000	0.000
Gulf Coast	OK	Atoka	116.434	116.575	0.1406	OK005	Parsons silt loam, 1 to 3 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.141	0.000	0.000	0.000
Gulf Coast	OK	Atoka	116.575	116.669	0.0943	OK005	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.094	0.000	0.094	0.000	0.000	0.000
Gulf Coast	OK	Atoka	116.669	116.714	0.0453	OK005	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.045	0.000	0.045	0.000	0.000	0.000
Gulf Coast	OK	Atoka	116.714	116.772	0.0576	OK005	Eram clay loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.058	0.000	0.058	0.003	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Atoka	116.772	116.820	0.0479	OK005	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.048	0.000	0.048	0.000	0.000	0.000
Gulf Coast	OK	Atoka	116.820	116.852	0.0322	OK005	Eram clay loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.032	0.000	0.032	0.002	0.000	0.000
Gulf Coast	OK	Atoka	116.852	116.951	0.0992	OK005	Eram clay loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.099	0.010	0.000	0.000
Gulf Coast	OK	Atoka	116.951	116.967	0.0160	OK005	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.016	0.000	0.016	0.000	0.000	0.000
Gulf Coast	OK	Atoka	116.967	117.284	0.3163	OK005	Parsons silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.316	0.000	0.316	0.000	0.000	0.000
Gulf Coast	OK	Atoka	117.284	117.643	0.3589	OK005	Dennis loam, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.359	0.000	0.000	0.000
Gulf Coast	OK	Atoka	117.643	117.736	0.0930	OK005	Dennis and Eram soils, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.093	0.005	0.000	0.000
Gulf Coast	OK	Atoka	117.736	117.797	0.0615	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.062	0.000	0.062	0.000	0.000	0.000
Gulf Coast	OK	Atoka	117.797	117.866	0.0689	OK005	Dennis and Eram soils, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.069	0.003	0.000	0.000
Gulf Coast	OK	Atoka	117.866	117.920	0.0540	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.054	0.000	0.054	0.000	0.000	0.000
Gulf Coast	OK	Atoka	117.920	117.979	0.0592	OK005	Wrightsville silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.050	0.059	0.000	0.000	0.000
Gulf Coast	OK	Atoka	117.979	118.100	0.1210	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.121	0.000	0.121	0.000	0.000	0.006
Gulf Coast	OK	Atoka	118.100	118.328	0.2274	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.227	0.011	0.000	0.011
Gulf Coast	OK	Atoka	118.328	118.530	0.2027	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.203	0.000	0.203	0.000	0.000	0.010
Gulf Coast	OK	Atoka	118.530	118.717	0.1866	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.187	0.009	0.000	0.009
Gulf Coast	OK	Atoka	118.717	118.734	0.0169	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.017	0.000	0.017	0.000	0.000	0.001
Gulf Coast	OK	Atoka	118.734	118.859	0.1257	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.126	0.006	0.000	0.006
Gulf Coast	OK	Atoka	118.859	118.927	0.0671	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.067	0.000	0.067	0.000	0.000	0.003
Gulf Coast	OK	Atoka	118.927	119.085	0.1582	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.158	0.000	0.158	0.000	0.000	0.008
Gulf Coast	OK	Atoka	119.085	119.153	0.0681	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.068	0.000	0.068	0.000	0.000	0.003
Gulf Coast	OK	Atoka	119.153	119.209	0.0565	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.057	0.000	0.057	0.000	0.000	0.000
Gulf Coast	OK	Atoka	119.209	119.414	0.2042	OK005	Stigler very fine sandy loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.204	0.020	0.204	0.000	0.000	0.000
Gulf Coast	OK	Atoka	119.414	119.601	0.1877	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.188	0.000	0.188	0.000	0.000	0.009
Gulf Coast	OK	Atoka	119.601	119.774	0.1727	OK005	Bernow fine sandy loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.173	0.000	0.173	0.000	0.000	0.009
Gulf Coast	OK	Atoka	119.774	120.060	0.2857	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.286	0.000	0.286	0.000	0.000	0.014
Gulf Coast	OK	Atoka	120.060	120.109	0.0494	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.049	0.000	0.049	0.000	0.000	0.002
Gulf Coast	OK	Atoka	120.109	120.268	0.1594	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.159	0.000	0.159	0.000	0.000	0.008
Gulf Coast	OK	Atoka	120.268	120.317	0.0487	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.049	0.000	0.049	0.000	0.000	0.002
Gulf Coast	OK	Atoka	120.317	120.495	0.1774	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.177	0.000	0.177	0.000	0.000	0.004
Gulf Coast	OK	Atoka	120.495	120.719	0.2248	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.225	0.000	0.225	0.000	0.000	0.000
Gulf Coast	OK	Atoka	120.719	120.759	0.0395	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.000	0.000	0.000	0.000	0.000	0.040	0.003	0.000	0.003
Gulf Coast	OK	Atoka	120.759	120.784	0.0255	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.026	0.000	0.026	0.000	0.000	0.000
Gulf Coast	OK	Atoka	120.784	120.891	0.1061	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.000	0.000	0.000	0.000	0.000	0.106	0.008	0.000	0.008
Gulf Coast	OK	Atoka	120.891	121.041	0.1500	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.150	0.000	0.150	0.000	0.000	0.007
Gulf Coast	OK	Atoka	121.041	121.099	0.0586	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.053	0.002	0.000	0.000	0.000
Gulf Coast	OK	Atoka	121.099	121.148	0.0487	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.049	0.000	0.049	0.000	0.000	0.002
Gulf Coast	OK	Atoka	121.148	121.313	0.1650	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.165	0.000	0.000	0.157
Gulf Coast	OK	Atoka	121.313	121.375	0.0618	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.062	0.000	0.062	0.000	0.000	0.003
Gulf Coast	OK	Atoka	121.375	121.419	0.0445	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.045	0.000	0.045	0.000	0.000	0.002
Gulf Coast	OK	Atoka	121.419	121.550	0.1305	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.130	0.000	0.130	0.000	0.000	0.007
Gulf Coast	OK	Atoka	121.550	121.651	0.1014	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.000	0.000	0.000	0.000	0.000	0.101	0.008	0.000	0.008
Gulf Coast	OK	Atoka	121.651	121.722	0.0708	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.071	0.000	0.071	0.000	0.000	0.004
Gulf Coast	OK	Atoka	121.722	122.048	0.3262	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.000	0.000	0.000	0.000	0.000	0.326	0.026	0.000	0.026
Gulf Coast	OK	Atoka	122.048	122.070	0.0220	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.022	0.000	0.022	0.000	0.000	0.001
Gulf Coast	OK	Atoka	122.070	122.189	0.1193	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.000	0.000	0.000	0.000	0.000	0.119	0.010	0.000	0.010
Gulf Coast	OK	Atoka	122.189	122.335	0.1457	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.131	0.006	0.000	0.000	0.000
Gulf Coast	OK	Atoka	122.335	122.397	0.0621	OK005	Guyton silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.000	0.060	0.062	0.000	0.000	0.000
Gulf Coast	OK	Atoka	122.397	122.807	0.4103	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.369	0.016	0.000	0.000	0.000
Gulf Coast	OK	Atoka	122.807	122.960	0.1524	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.152	0.009	0.006	0.000	0.000	0.000
Gulf Coast	OK	Atoka	122.960	123.046	0.0859	OK005	Bernow-Romia complex, 8 to 12 percent slopes	0.000	0.080	0.000	0.000	0.000	0.086	0.021	0.000	0.027
Gulf Coast	OK	Atoka	123.046	123.068	0.0226	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.023	0.000	0.023	0.000	0.000	0.001
Gulf Coast	OK	Atoka	123.068	123.106	0.0374	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.037	0.000	0.037	0.000	0.000	0.002
Gulf Coast	OK	Atoka	123.106	123.310	0.2043	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.204	0.000	0.204	0.000	0.000	0.004
Gulf Coast	OK	Atoka	123.310	123.330	0.0199	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.020	0.000	0.020	0.000	0.000	0.001
Gulf Coast	OK	Atoka	123.330	123.430	0.1002	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.100	0.000	0.100	0.000	0.000	0.005
Gulf Coast	OK	Atoka	123.430	123.473	0.0429	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.043	0.000	0.043	0.000	0.000	0.002
Gulf Coast	OK	Atoka	123.473	123.587	0.1137	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.114	0.000	0.000	0.000	0.114	0.008	0.000	0.008

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Atoka	123.587	123.696	0.1091	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.109	0.000	0.109	0.000	0.000	0.002
Gulf Coast	OK	Atoka	123.696	123.786	0.0899	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.090	0.000	0.090	0.000	0.000	0.004
Gulf Coast	OK	Atoka	123.786	124.028	0.2419	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.218	0.010	0.000	0.000	0.000
Gulf Coast	OK	Atoka	124.028	124.089	0.0618	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.062	0.000	0.062	0.000	0.000	0.003
Gulf Coast	OK	Atoka	124.089	124.120	0.0310	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.031	0.000	0.031	0.000	0.000	0.001
Gulf Coast	OK	Atoka	124.120	124.141	0.0203	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.020	0.000	0.020	0.000	0.000	0.001
Gulf Coast	OK	Atoka	124.141	124.224	0.0831	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.083	0.000	0.083	0.000	0.000	0.002
Gulf Coast	OK	Atoka	124.224	124.283	0.0594	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.053	0.002	0.000	0.000	0.000
Gulf Coast	OK	Atoka	124.283	124.333	0.0496	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.050	0.000	0.000	0.000	0.050	0.003	0.000	0.003
Gulf Coast	OK	Atoka	124.333	124.469	0.1360	OK005	Bosville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.136	0.000	0.136	0.010	0.000	0.010
Gulf Coast	OK	Atoka	124.469	124.485	0.0157	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.014	0.001	0.000	0.000	0.000
Gulf Coast	OK	Atoka	124.485	124.600	0.1158	OK005	Bosville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.116	0.000	0.116	0.008	0.000	0.008
Gulf Coast	OK	Atoka	124.600	124.709	0.1086	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.109	0.000	0.000	0.000	0.109	0.008	0.000	0.008
Gulf Coast	OK	Atoka	124.709	124.764	0.0549	OK005	Bosville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.055	0.000	0.055	0.004	0.000	0.004
Gulf Coast	OK	Atoka	124.764	124.836	0.0722	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.072	0.000	0.072	0.000	0.000	0.004
Gulf Coast	OK	Atoka	124.836	124.943	0.1067	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.107	0.000	0.000	0.000	0.107	0.007	0.000	0.007
Gulf Coast	OK	Atoka	124.943	125.265	0.3222	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.322	0.000	0.322	0.000	0.000	0.016
Gulf Coast	OK	Atoka	125.265	125.433	0.1682	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.168	0.000	0.168	0.000	0.000	0.008
Gulf Coast	OK	Atoka	125.433	125.571	0.1380	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.124	0.006	0.000	0.000	0.000
Gulf Coast	OK	Atoka	125.571	125.662	0.0910	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.091	0.000	0.091	0.000	0.000	0.002
Gulf Coast	OK	Atoka	125.662	125.838	0.1761	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.176	0.000	0.176	0.000	0.000	0.009
Gulf Coast	OK	Atoka	125.838	125.984	0.1454	OK005	Larue loamy fine sand, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.145	0.000	0.000	0.131
Gulf Coast	OK	Atoka	125.984	126.118	0.1340	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.134	0.008	0.005	0.000	0.000	0.000
Gulf Coast	OK	Atoka	126.118	126.296	0.1784	OK005	Guyton silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.000	0.171	0.178	0.000	0.000	0.000
Gulf Coast	OK	Atoka	126.296	126.629	0.3328	OK005	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.333	0.017	0.333	0.000	0.000	0.000
Gulf Coast	OK	Atoka	126.629	126.676	0.0472	OK005	Gowton clay loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.047	0.005	0.042	0.000	0.000	0.000
Gulf Coast	OK	Atoka	126.676	126.692	0.0162	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.010	0.015	0.000	0.000	0.000
Gulf Coast	OK	Atoka	126.692	126.706	0.0134	OK005	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	OK	Atoka	126.706	126.726	0.0206	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.012	0.019	0.000	0.000	0.000
Gulf Coast	OK	Atoka	126.726	126.818	0.0919	OK005	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.092	0.005	0.092	0.000	0.000	0.000
Gulf Coast	OK	Atoka	126.818	126.941	0.1225	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.073	0.110	0.000	0.000	0.000
Gulf Coast	OK	Atoka	126.941	126.969	0.0284	OK005	Gowton clay loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.028	0.003	0.026	0.000	0.000	0.000
Gulf Coast	OK	Atoka	126.969	127.078	0.1091	OK005	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.109	0.005	0.109	0.000	0.000	0.000
Gulf Coast	OK	Atoka	127.078	127.116	0.0384	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.023	0.035	0.000	0.000	0.000
Gulf Coast	OK	Atoka	127.116	127.152	0.0355	OK005	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.036	0.002	0.036	0.000	0.000	0.000
Gulf Coast	OK	Atoka	127.152	127.332	0.1798	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.180	0.011	0.007	0.000	0.000	0.000
Gulf Coast	OK	Atoka	127.332	127.499	0.1671	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.167	0.000	0.000	0.159
Gulf Coast	OK	Atoka	127.499	127.643	0.1441	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.144	0.009	0.006	0.000	0.000	0.000
Gulf Coast	OK	Atoka	127.643	127.801	0.1583	OK005	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.158	0.008	0.158	0.000	0.000	0.000
Gulf Coast	OK	Atoka	127.801	127.924	0.1226	OK005	Guyton silt loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.000	0.118	0.123	0.000	0.000	0.000
Gulf Coast	OK	Atoka	127.924	128.084	0.1596	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.160	0.010	0.006	0.000	0.000	0.000
Gulf Coast	OK	Atoka	128.084	128.179	0.0960	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.096	0.000	0.000	0.091
Gulf Coast	OK	Atoka	128.179	128.204	0.0246	OK005	Bernow-Romia complex, 8 to 12 percent slopes	0.000	0.023	0.000	0.000	0.000	0.025	0.006	0.000	0.008
Gulf Coast	OK	Atoka	128.204	128.310	0.1062	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.106	0.000	0.000	0.101
Gulf Coast	OK	Atoka	128.310	128.460	0.1493	OK005	Larue loamy fine sand, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.149	0.000	0.000	0.134
Gulf Coast	OK	Atoka	128.460	128.494	0.0346	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.035	0.000	0.000	0.033
Gulf Coast	OK	Atoka	128.494	128.542	0.0481	OK005	Larue loamy fine sand, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.043
Gulf Coast	OK	Atoka	128.542	128.562	0.0197	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.019
Gulf Coast	OK	Atoka	128.562	128.797	0.2350	OK005	Larue loamy fine sand, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.235	0.000	0.000	0.212
Gulf Coast	OK	Atoka	128.797	128.843	0.0459	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.046	0.000	0.046	0.000	0.000	0.001
Gulf Coast	OK	Atoka	128.843	128.882	0.0387	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.039	0.000	0.039	0.000	0.000	0.002
Gulf Coast	OK	Atoka	128.882	129.128	0.2461	OK005	Bernow-Romia complex, 8 to 12 percent slopes	0.000	0.229	0.000	0.000	0.000	0.246	0.062	0.000	0.079
Gulf Coast	OK	Atoka	129.128	129.222	0.0948	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.095	0.000	0.000	0.090
Gulf Coast	OK	Atoka	129.222	129.438	0.2157	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.216	0.011	0.000	0.011
Gulf Coast	OK	Atoka	129.438	129.534	0.0963	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.000	0.000	0.000	0.000	0.000	0.096	0.008	0.000	0.008
Gulf Coast	OK	Atoka	129.534	129.722	0.1879	OK005	Bernow-Romia complex, 8 to 12 percent slopes	0.000	0.175	0.000	0.000	0.000	0.188	0.047	0.000	0.060
Gulf Coast	OK	Atoka	129.722	129.746	0.0234	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.023	0.000	0.023	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Atoka	129.746	129.785	0.0395	OK005	Bernow-Romia complex, 8 to 12 percent slopes	0.000	0.037	0.000	0.000	0.000	0.040	0.010	0.000	0.013
Gulf Coast	OK	Atoka	129.785	129.831	0.0457	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.046	0.000	0.046	0.000	0.000	0.001
Gulf Coast	OK	Atoka	129.831	129.894	0.0636	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.064	0.000	0.064	0.000	0.000	0.003
Gulf Coast	OK	Atoka	129.894	129.995	0.1009	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.101	0.000	0.101	0.000	0.000	0.002
Gulf Coast	OK	Atoka	129.995	130.003	0.0080	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.008	0.000	0.008	0.000	0.000	0.000
Gulf Coast	OK	Atoka	130.003	130.083	0.0795	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.080	0.000	0.000	0.000	0.080	0.006	0.000	0.006
Gulf Coast	OK	Atoka	130.083	130.175	0.0924	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.092	0.005	0.000	0.005
Gulf Coast	OK	Atoka	130.175	130.200	0.0244	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.024	0.000	0.000	0.000	0.024	0.002	0.000	0.002
Gulf Coast	OK	Atoka	130.200	130.232	0.0324	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.032	0.002	0.000	0.002
Gulf Coast	OK	Atoka	130.232	130.259	0.0270	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.027	0.000	0.000	0.000	0.027	0.002	0.000	0.002
Gulf Coast	OK	Atoka	130.259	130.412	0.1533	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.153	0.008	0.000	0.008
Gulf Coast	OK	Atoka	130.412	130.571	0.1585	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.158	0.000	0.000	0.000	0.158	0.011	0.000	0.011
Gulf Coast	OK	Atoka	130.571	130.665	0.0946	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.095	0.000	0.095	0.000	0.000	0.000
Gulf Coast	OK	Atoka	130.665	130.737	0.0712	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.071	0.000	0.000	0.000	0.071	0.005	0.000	0.005
Gulf Coast	OK	Atoka	130.737	130.804	0.0676	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.068	0.000	0.068	0.000	0.000	0.003
Gulf Coast	OK	Atoka	130.804	130.851	0.0469	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.047	0.000	0.000	0.045
Gulf Coast	OK	Atoka	130.851	130.898	0.0474	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.047	0.003	0.002	0.000	0.000	0.000
Gulf Coast	OK	Atoka	130.898	130.941	0.0425	OK005	Gowton clay loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.043	0.004	0.038	0.000	0.000	0.000
Gulf Coast	OK	Atoka	130.941	130.991	0.0499	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.030	0.045	0.000	0.000	0.000
Gulf Coast	OK	Atoka	130.991	131.156	0.1650	OK005	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.165	0.013	0.165	0.000	0.000	0.000
Gulf Coast	OK	Atoka	131.156	131.207	0.0511	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.031	0.046	0.000	0.000	0.000
Gulf Coast	OK	Atoka	131.207	131.520	0.3135	OK005	Bosville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.314	0.000	0.314	0.022	0.000	0.022
Gulf Coast	OK	Atoka	131.520	131.625	0.1047	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.105	0.000	0.105	0.000	0.000	0.000
Gulf Coast	OK	Atoka	131.625	131.735	0.1094	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.109	0.000	0.000	0.000	0.109	0.008	0.000	0.008
Gulf Coast	OK	Atoka	131.735	132.043	0.3089	OK005	Claremore-Catoosa complex, 1 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.309	0.000	0.309	0.000
Gulf Coast	OK	Atoka	132.043	132.045	0.0020	OK005	Durant loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.002	0.000	0.002	0.000	0.000	0.000
Gulf Coast	OK	Atoka	132.045	132.283	0.2375	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.238	0.000	0.000	0.000	0.238	0.017	0.000	0.017
Gulf Coast	OK	Atoka	132.283	132.344	0.0608	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.000	0.000	0.000	0.000	0.000	0.061	0.005	0.000	0.005
Gulf Coast	OK	Atoka	132.344	132.364	0.0203	OK005	Tarrant cobbly clay, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.020	0.018	0.020	0.000
Gulf Coast	OK	Atoka	132.364	132.376	0.0122	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.000	0.000	0.000	0.000	0.000	0.012	0.001	0.000	0.001
Gulf Coast	OK	Atoka	132.376	132.483	0.1069	OK005	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.107	0.009	0.107	0.000	0.000	0.000
Gulf Coast	OK	Atoka	132.483	132.529	0.0461	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.028	0.041	0.000	0.000	0.000
Gulf Coast	OK	Atoka	132.529	132.539	0.0093	OK005	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.009	0.001	0.009	0.000	0.000	0.000
Gulf Coast	OK	Atoka	132.539	132.634	0.0955	OK005	Tarrant cobbly clay, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.095	0.086	0.095	0.000
Gulf Coast	OK	Atoka	132.634	132.709	0.0747	OK005	Heiden clay, 3 to 5 percent slopes	0.000	0.000	0.007	0.075	0.000	0.075	0.000	0.000	0.000
Gulf Coast	OK	Atoka	132.709	132.730	0.0212	OK005	Tarrant cobbly clay, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.021	0.019	0.021	0.000
Gulf Coast	OK	Bryan	132.730	132.779	0.0487	OK013	Tarrant cobbly silty clay, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.049	0.046	0.049	0.000
Gulf Coast	OK	Bryan	132.779	132.889	0.1105	OK013	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.110	0.006	0.110	0.000	0.000	0.000
Gulf Coast	OK	Bryan	132.889	132.988	0.0983	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.089	0.000	0.000	0.000	0.098	0.049	0.049	0.000
Gulf Coast	OK	Bryan	132.988	133.029	0.0413	OK013	Heiden stony clay, 3 to 5 percent slopes	0.000	0.000	0.002	0.000	0.000	0.041	0.037	0.004	0.000
Gulf Coast	OK	Bryan	133.029	133.050	0.0208	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.019	0.000	0.000	0.000	0.021	0.010	0.010	0.000
Gulf Coast	OK	Bryan	133.050	133.116	0.0667	OK013	Heiden stony clay, 3 to 5 percent slopes	0.000	0.000	0.003	0.000	0.000	0.067	0.060	0.007	0.000
Gulf Coast	OK	Bryan	133.116	133.449	0.3326	OK013	Burleson clay, 3 to 5 percent slopes	0.000	0.000	0.283	0.333	0.000	0.333	0.000	0.000	0.000
Gulf Coast	OK	Bryan	133.449	134.234	0.7850	OK013	Heiden stony clay, 3 to 5 percent slopes	0.000	0.000	0.039	0.000	0.000	0.785	0.706	0.078	0.000
Gulf Coast	OK	Bryan	134.234	134.287	0.0532	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.048	0.000	0.000	0.000	0.053	0.027	0.027	0.000
Gulf Coast	OK	Bryan	134.287	134.346	0.0586	OK013	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.059	0.003	0.059	0.000	0.000	0.000
Gulf Coast	OK	Bryan	134.346	134.403	0.0571	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.051	0.000	0.000	0.000	0.057	0.029	0.029	0.000
Gulf Coast	OK	Bryan	134.403	134.630	0.2274	OK013	Heiden stony clay, 3 to 5 percent slopes	0.000	0.000	0.011	0.000	0.000	0.227	0.205	0.023	0.000
Gulf Coast	OK	Bryan	134.630	134.717	0.0866	OK013	Burleson clay, 1 to 3 percent slopes	0.000	0.000	0.087	0.087	0.000	0.087	0.000	0.000	0.000
Gulf Coast	OK	Bryan	134.717	134.985	0.2681	OK013	Ferris clay, 1 to 5 percent slopes, eroded	0.000	0.000	0.013	0.000	0.000	0.268	0.027	0.027	0.000
Gulf Coast	OK	Bryan	134.985	135.035	0.0498	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.045	0.000	0.000	0.000	0.050	0.025	0.025	0.000
Gulf Coast	OK	Bryan	135.035	135.047	0.0120	OK013	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.012	0.001	0.012	0.000	0.000	0.000
Gulf Coast	OK	Bryan	135.047	135.081	0.0340	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.031	0.000	0.000	0.000	0.034	0.017	0.017	0.000
Gulf Coast	OK	Bryan	135.081	135.191	0.1102	OK013	San Saba-Tarrant complex, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.110	0.044	0.110	0.000
Gulf Coast	OK	Bryan	135.191	135.284	0.0935	OK013	Ferris clay, 1 to 5 percent slopes, eroded	0.000	0.000	0.005	0.000	0.000	0.094	0.009	0.009	0.000
Gulf Coast	OK	Bryan	135.284	135.589	0.3041	OK013	Burleson clay, 1 to 3 percent slopes	0.000	0.000	0.304	0.304	0.000	0.304	0.000	0.000	0.000
Gulf Coast	OK	Bryan	135.589	136.223	0.6346	OK013	Ferris clay, 1 to 5 percent slopes, eroded	0.000	0.000	0.032	0.000	0.000	0.635	0.063	0.063	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Bryan	136.223	136.674	0.4508	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.406	0.000	0.000	0.000	0.451	0.225	0.225	0.000
Gulf Coast	OK	Bryan	136.674	136.734	0.0603	OK013	Frioton silty clay loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.060	0.000	0.060	0.000	0.000	0.000
Gulf Coast	OK	Bryan	136.734	136.833	0.0986	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.089	0.000	0.000	0.000	0.099	0.049	0.049	0.000
Gulf Coast	OK	Bryan	136.833	136.940	0.1073	OK013	Tarrant cobbly silty clay, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.107	0.102	0.107	0.000
Gulf Coast	OK	Bryan	136.940	136.973	0.0327	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.029	0.000	0.000	0.000	0.033	0.016	0.016	0.000
Gulf Coast	OK	Bryan	136.973	137.051	0.0779	OK013	Tarrant cobbly silty clay, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.078	0.074	0.078	0.000
Gulf Coast	OK	Bryan	137.051	137.197	0.1467	OK013	Burleson clay, 1 to 3 percent slopes	0.000	0.000	0.147	0.147	0.000	0.147	0.000	0.000	0.000
Gulf Coast	OK	Bryan	137.197	137.328	0.1309	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.118	0.000	0.000	0.000	0.131	0.065	0.065	0.000
Gulf Coast	OK	Bryan	137.328	137.451	0.1228	OK013	Burleson clay, 1 to 3 percent slopes	0.000	0.000	0.123	0.123	0.000	0.123	0.000	0.000	0.000
Gulf Coast	OK	Bryan	137.451	137.679	0.2284	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.206	0.000	0.000	0.000	0.228	0.114	0.114	0.000
Gulf Coast	OK	Bryan	137.679	137.724	0.0444	OK013	Heiden clay, 3 to 5 percent slopes	0.000	0.000	0.002	0.044	0.000	0.044	0.000	0.002	0.000
Gulf Coast	OK	Bryan	137.724	137.772	0.0486	OK013	Frioton silty clay loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.049	0.000	0.049	0.000	0.000	0.000
Gulf Coast	OK	Bryan	137.772	137.859	0.0862	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.078	0.000	0.000	0.000	0.086	0.043	0.043	0.000
Gulf Coast	OK	Bryan	137.859	137.949	0.0900	OK013	San Saba-Tarrant complex, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.090	0.036	0.090	0.000
Gulf Coast	OK	Bryan	137.949	138.072	0.1231	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.111	0.000	0.000	0.000	0.123	0.062	0.062	0.000
Gulf Coast	OK	Bryan	138.072	138.156	0.0846	OK013	San Saba-Tarrant complex, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.085	0.034	0.085	0.000
Gulf Coast	OK	Bryan	138.156	138.245	0.0886	OK013	Woodson silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.000	0.089	0.000	0.000	0.000
Gulf Coast	OK	Bryan	138.245	138.457	0.2118	OK013	Durant loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.212	0.000	0.212	0.000	0.000	0.000
Gulf Coast	OK	Bryan	138.457	138.585	0.1285	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.116	0.000	0.000	0.000	0.128	0.064	0.064	0.000
Gulf Coast	OK	Bryan	138.585	138.765	0.1795	OK013	Durant loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.179	0.000	0.179	0.000	0.000	0.000
Gulf Coast	OK	Bryan	138.765	138.941	0.1761	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.158	0.000	0.000	0.000	0.176	0.088	0.088	0.000
Gulf Coast	OK	Bryan	138.941	138.963	0.0225	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.023	0.000	0.023	0.000	0.000	0.000
Gulf Coast	OK	Bryan	138.963	139.060	0.0969	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.087	0.000	0.000	0.000	0.097	0.048	0.048	0.000
Gulf Coast	OK	Bryan	139.060	139.259	0.1993	OK013	Durant loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.199	0.000	0.199	0.000	0.000	0.000
Gulf Coast	OK	Bryan	139.259	139.312	0.0526	OK013	Frioton silty clay loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.053	0.000	0.053	0.000	0.000	0.000
Gulf Coast	OK	Bryan	139.312	139.377	0.0646	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.058	0.000	0.000	0.000	0.065	0.032	0.032	0.000
Gulf Coast	OK	Bryan	139.377	139.646	0.2691	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.269	0.000	0.269	0.000	0.000	0.000
Gulf Coast	OK	Bryan	139.646	139.697	0.0512	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.046	0.000	0.000	0.000	0.051	0.026	0.026	0.000
Gulf Coast	OK	Bryan	139.697	139.697	0.0002	OK013	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	OK	Bryan	139.697	139.819	0.1222	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.122	0.000	0.122	0.000	0.000	0.000
Gulf Coast	OK	Bryan	139.819	139.820	0.0010	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.001	0.000	0.001	0.000	0.000	0.000
Gulf Coast	OK	Bryan	139.820	139.822	0.0018	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.002	0.000	0.002	0.000	0.000	0.000
Gulf Coast	OK	Bryan	139.822	139.875	0.0528	OK013	Bosville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.053	0.000	0.053	0.000	0.000	0.000
Gulf Coast	OK	Bryan	139.875	139.910	0.0347	OK013	Bernow-Romia complex, 8 to 20 percent slopes	0.000	0.035	0.000	0.000	0.000	0.035	0.010	0.000	0.031
Gulf Coast	OK	Bryan	139.910	140.042	0.1325	OK013	Bernow-Romia complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.133	0.000	0.133	0.046	0.000	0.126
Gulf Coast	OK	Bryan	140.042	140.120	0.0781	OK013	Larue loamy fine sand, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.078	0.000	0.000	0.066
Gulf Coast	OK	Bryan	140.120	140.434	0.3141	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.314	0.000	0.314	0.000	0.000	0.000
Gulf Coast	OK	Bryan	140.434	140.504	0.0699	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.070	0.000	0.070	0.000	0.000	0.000
Gulf Coast	OK	Bryan	140.504	140.567	0.0624	OK013	Bosville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.062	0.000	0.062	0.000	0.000	0.000
Gulf Coast	OK	Bryan	140.567	140.617	0.0507	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.051	0.000	0.051	0.000	0.000	0.000
Gulf Coast	OK	Bryan	140.617	140.722	0.1046	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.105	0.000	0.105	0.000	0.000	0.000
Gulf Coast	OK	Bryan	140.722	140.850	0.1279	OK013	Bosville fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.128	0.006	0.000	0.006
Gulf Coast	OK	Bryan	140.850	140.932	0.0826	OK013	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.083	0.000	0.000	0.000	0.000
Gulf Coast	OK	Bryan	140.932	141.072	0.1396	OK013	Bernow-Bosville complex, 3 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.140	0.000	0.000	0.000
Gulf Coast	OK	Bryan	141.072	141.102	0.0305	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.030	0.000	0.030	0.000	0.000	0.000
Gulf Coast	OK	Bryan	141.102	141.147	0.0441	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.044	0.000	0.044	0.000	0.000	0.000
Gulf Coast	OK	Bryan	141.147	141.402	0.2557	OK013	Bernow fine sandy loam, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.230	0.000	0.000	0.000
Gulf Coast	OK	Bryan	141.402	141.454	0.0520	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.052	0.000	0.052	0.000	0.000	0.000
Gulf Coast	OK	Bryan	141.454	141.527	0.0731	OK013	Bernow fine sandy loam, 3 to 8 percent slopes, severely eroded	0.000	0.000	0.000	0.000	0.000	0.066	0.000	0.000	0.000
Gulf Coast	OK	Bryan	141.527	141.642	0.1146	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.115	0.000	0.115	0.000	0.000	0.000
Gulf Coast	OK	Bryan	141.642	141.735	0.0928	OK013	Bernow fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.093	0.000	0.093	0.000	0.000	0.000
Gulf Coast	OK	Bryan	141.735	141.972	0.2372	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.237	0.000	0.237	0.000	0.000	0.000
Gulf Coast	OK	Bryan	141.972	142.272	0.3001	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.300	0.000	0.300	0.000	0.000	0.000
Gulf Coast	OK	Bryan	142.272	142.712	0.4400	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.396	0.000	0.000	0.000	0.440	0.220	0.220	0.000
Gulf Coast	OK	Bryan	142.712	142.785	0.0727	OK013	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.073	0.000	0.073	0.000	0.000	0.000
Gulf Coast	OK	Bryan	142.785	143.025	0.2408	OK013	Durant loam, 1 to 3 percent slopes	0.000	0.000	0.024	0.241	0.000	0.241	0.000	0.000	0.000
Gulf Coast	OK	Bryan	143.025	143.041	0.0156	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.000	0.000	0.000	0.016	0.000	0.016	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Bryan	143.041	143.059	0.0177	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.018	0.000	0.018	0.000	0.000	0.000
Gulf Coast	OK	Bryan	143.059	143.119	0.0606	OK013	Fitzhugh-Bates complex, 1 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.061	0.000	0.000	0.000
Gulf Coast	OK	Bryan	143.119	143.155	0.0356	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.036	0.000	0.036	0.000	0.000	0.000
Gulf Coast	OK	Bryan	143.155	143.259	0.1038	OK013	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.104	0.000	0.104	0.000	0.000	0.000
Gulf Coast	OK	Bryan	143.259	143.355	0.0968	OK013	Fitzhugh-Bates complex, 1 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.097	0.000	0.000	0.000
Gulf Coast	OK	Bryan	143.355	143.474	0.1187	OK013	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.119	0.000	0.119	0.000	0.000	0.000
Gulf Coast	OK	Bryan	143.474	143.552	0.0778	OK013	Fitzhugh-Bates complex, 1 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.078	0.000	0.000	0.000
Gulf Coast	OK	Bryan	143.552	143.657	0.1054	OK013	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.105	0.000	0.105	0.000	0.000	0.000
Gulf Coast	OK	Bryan	143.657	143.736	0.0786	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.071	0.000	0.000	0.000	0.079	0.039	0.039	0.000
Gulf Coast	OK	Bryan	143.736	143.855	0.1188	OK013	Bates fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.119	0.000	0.119	0.000	0.000	0.000
Gulf Coast	OK	Bryan	143.855	143.879	0.0247	OK013	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.025	0.000	0.025	0.000	0.000	0.000
Gulf Coast	OK	Bryan	143.879	143.921	0.0418	OK013	Durant loam, 1 to 3 percent slopes	0.000	0.000	0.004	0.042	0.000	0.042	0.000	0.000	0.000
Gulf Coast	OK	Bryan	143.921	144.011	0.0897	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.081	0.000	0.000	0.000	0.090	0.045	0.045	0.000
Gulf Coast	OK	Bryan	144.011	144.084	0.0734	OK013	Matoy silty clay loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.073	0.000	0.073	0.066	0.070	0.000
Gulf Coast	OK	Bryan	144.084	144.176	0.0918	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.092	0.000	0.092	0.000	0.000	0.000
Gulf Coast	OK	Bryan	144.176	144.379	0.2030	OK013	Heiden clay, 3 to 5 percent slopes	0.000	0.000	0.010	0.203	0.000	0.203	0.000	0.010	0.000
Gulf Coast	OK	Bryan	144.379	144.485	0.1062	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.106	0.000	0.106	0.000	0.000	0.000
Gulf Coast	OK	Bryan	144.485	144.490	0.0051	OK013	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.005	0.000	0.005	0.000	0.000	0.000
Gulf Coast	OK	Bryan	144.490	144.575	0.0843	OK013	Bosville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.084	0.000	0.084	0.000	0.000	0.000
Gulf Coast	OK	Bryan	144.575	144.593	0.0179	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.000	0.018	0.000	0.000	0.000	0.018	0.002	0.000	0.002
Gulf Coast	OK	Bryan	144.593	144.689	0.0967	OK013	Bosville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.097	0.000	0.097	0.000	0.000	0.000
Gulf Coast	OK	Bryan	144.689	144.765	0.0762	OK013	Bernow-Romia complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.076	0.000	0.076	0.027	0.000	0.072
Gulf Coast	OK	Bryan	144.765	144.812	0.0465	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.046	0.000	0.046	0.000	0.000	0.000
Gulf Coast	OK	Bryan	144.812	144.871	0.0592	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.059	0.000	0.059	0.000	0.000	0.000
Gulf Coast	OK	Bryan	144.871	144.951	0.0799	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.080	0.000	0.080	0.000	0.000	0.000
Gulf Coast	OK	Bryan	144.951	145.018	0.0669	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.067	0.000	0.067	0.000	0.000	0.000
Gulf Coast	OK	Bryan	145.018	145.067	0.0492	OK013	Bosville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.049	0.000	0.049	0.000	0.000	0.000
Gulf Coast	OK	Bryan	145.067	145.139	0.0716	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.072	0.000	0.072	0.000	0.000	0.000
Gulf Coast	OK	Bryan	145.139	145.177	0.0381	OK013	Bosville fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.038	0.000	0.038	0.000	0.000	0.000
Gulf Coast	OK	Bryan	145.177	145.416	0.2396	OK013	Verdigris silty clay loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.240	0.012	0.240	0.000	0.000	0.000
Gulf Coast	OK	Bryan	145.416	145.476	0.0595	OK013	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.059	0.003	0.059	0.000	0.000	0.000
Gulf Coast	OK	Bryan	145.476	145.630	0.1545	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.000	0.155	0.000	0.000	0.000	0.155	0.015	0.000	0.015
Gulf Coast	OK	Bryan	145.630	145.689	0.0583	OK013	Bernow-Romia complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.058	0.000	0.058	0.020	0.000	0.055
Gulf Coast	OK	Bryan	145.689	145.774	0.0852	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.000	0.085	0.000	0.000	0.000	0.085	0.009	0.000	0.009
Gulf Coast	OK	Bryan	145.774	145.833	0.0589	OK013	Bernow-Romia complex, 3 to 8 percent slopes	0.000	0.000	0.000	0.059	0.000	0.059	0.021	0.000	0.056
Gulf Coast	OK	Bryan	145.833	145.865	0.0318	OK013	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.032	0.002	0.032	0.000	0.000	0.000
Gulf Coast	OK	Bryan	145.865	145.953	0.0889	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.000	0.089	0.000	0.000	0.000	0.089	0.009	0.000	0.009
Gulf Coast	OK	Bryan	145.953	146.133	0.1798	OK013	Bernow loamy fine sand, 3 to 8 percent slopes	0.000	0.000	0.000	0.180	0.000	0.180	0.000	0.000	0.180
Gulf Coast	OK	Bryan	146.133	146.252	0.1189	OK013	Freestone fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.119	0.012	0.119	0.000	0.000	0.000
Gulf Coast	OK	Bryan	146.252	146.362	0.1095	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.110	0.000	0.110	0.000	0.000	0.000
Gulf Coast	OK	Bryan	146.362	146.529	0.1676	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.168	0.000	0.168	0.000	0.000	0.000
Gulf Coast	OK	Bryan	146.529	146.608	0.0788	OK013	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	OK	Bryan	146.608	146.729	0.1212	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.121	0.000	0.121	0.000	0.000	0.000
Gulf Coast	OK	Bryan	146.729	146.750	0.0207	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.021	0.000	0.021	0.000	0.000	0.000
Gulf Coast	OK	Bryan	146.750	146.760	0.0100	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.000
Gulf Coast	OK	Bryan	146.760	146.943	0.1832	OK013	Muskogee silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.183	0.000	0.183	0.000	0.000	0.000
Gulf Coast	OK	Bryan	146.943	146.952	0.0086	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.009	0.000	0.009	0.000	0.000	0.000
Gulf Coast	OK	Bryan	146.952	146.978	0.0257	OK013	Muskogee silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.026	0.000	0.026	0.000	0.000	0.000
Gulf Coast	OK	Bryan	146.978	147.166	0.1889	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.189	0.000	0.189	0.000	0.000	0.000
Gulf Coast	OK	Bryan	147.166	147.237	0.0708	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.071	0.000	0.071	0.000	0.000	0.000
Gulf Coast	OK	Bryan	147.237	147.276	0.0391	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.000	0.000	0.001	0.039	0.000	0.039	0.000	0.000	0.000
Gulf Coast	OK	Bryan	147.276	147.413	0.1366	OK013	Durant loam, 1 to 3 percent slopes	0.000	0.000	0.014	0.137	0.000	0.137	0.000	0.000	0.000
Gulf Coast	OK	Bryan	147.413	148.076	0.6633	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.663	0.000	0.663	0.000	0.000	0.000
Gulf Coast	OK	Bryan	148.076	148.170	0.0938	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.000	0.000	0.003	0.094	0.000	0.094	0.000	0.000	0.000
Gulf Coast	OK	Bryan	148.170	148.279	0.1091	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.109	0.000	0.109	0.000	0.000	0.000
Gulf Coast	OK	Bryan	148.279	148.343	0.0635	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.000	0.000	0.002	0.064	0.000	0.064	0.000	0.000	0.000
Gulf Coast	OK	Bryan	148.343	148.355	0.0122	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.012	0.000	0.012	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Bryan	148.355	148.516	0.1607	OK013	Fitzhugh-Bates complex, 1 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.161	0.000	0.000	0.000
Gulf Coast	OK	Bryan	148.516	148.760	0.2447	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.245	0.000	0.245	0.000	0.000	0.000
Gulf Coast	OK	Bryan	148.760	148.804	0.0432	OK013	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.043	0.000	0.043	0.000	0.000	0.000
Gulf Coast	OK	Bryan	148.804	148.873	0.0691	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.000	0.000	0.002	0.069	0.000	0.069	0.000	0.000	0.000
Gulf Coast	OK	Bryan	148.873	148.969	0.0968	OK013	Durant loam, 1 to 3 percent slopes	0.000	0.000	0.010	0.097	0.000	0.097	0.000	0.000	0.000
Gulf Coast	OK	Bryan	148.969	149.353	0.3836	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.384	0.000	0.384	0.000	0.000	0.000
Gulf Coast	OK	Bryan	149.353	149.373	0.0196	OK013	Crockett loam, 1 to 5 percent slopes, severely eroded	0.000	0.000	0.018	0.000	0.000	0.018	0.000	0.000	0.000
Gulf Coast	OK	Bryan	149.373	149.429	0.0562	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.000	0.000	0.002	0.056	0.000	0.056	0.000	0.000	0.000
Gulf Coast	OK	Bryan	149.429	149.738	0.3093	OK013	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.309	0.000	0.309	0.000	0.000	0.000
Gulf Coast	OK	Bryan	149.738	149.786	0.0480	OK013	Fitzhugh-Bates complex, 1 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000
Gulf Coast	OK	Bryan	149.786	149.868	0.0821	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.082	0.000	0.082	0.000	0.000	0.000
Gulf Coast	OK	Bryan	149.868	149.919	0.0508	OK013	Fitzhugh-Bates complex, 1 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.051	0.000	0.000	0.000
Gulf Coast	OK	Bryan	149.919	149.948	0.0290	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.029	0.000	0.029	0.000	0.000	0.000
Gulf Coast	OK	Bryan	149.948	149.997	0.0486	OK013	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.049	0.000	0.049	0.000	0.000	0.000
Gulf Coast	OK	Bryan	149.997	150.232	0.2352	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.235	0.000	0.235	0.000	0.000	0.000
Gulf Coast	OK	Bryan	150.232	150.279	0.0476	OK013	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.048	0.000	0.048	0.000	0.000	0.000
Gulf Coast	OK	Bryan	150.279	150.389	0.1094	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.109	0.000	0.109	0.000	0.000	0.000
Gulf Coast	OK	Bryan	150.389	150.425	0.0360	OK013	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.036	0.000	0.036	0.000	0.000	0.000
Gulf Coast	OK	Bryan	150.425	150.529	0.1048	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.105	0.000	0.105	0.000	0.000	0.000
Gulf Coast	OK	Bryan	150.529	150.629	0.1000	OK013	Fitzhugh-Bates complex, 1 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.100	0.000	0.000	0.000
Gulf Coast	OK	Bryan	150.629	150.795	0.1653	OK013	Durant loam, 1 to 3 percent slopes	0.000	0.000	0.017	0.165	0.000	0.165	0.000	0.000	0.000
Gulf Coast	OK	Bryan	150.795	150.927	0.1327	OK013	Crockett-Durant complex, 1 to 5 percent slopes, eroded	0.000	0.000	0.086	0.000	0.000	0.133	0.000	0.000	0.000
Gulf Coast	OK	Bryan	150.927	150.950	0.0227	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.000	0.000	0.001	0.023	0.000	0.023	0.000	0.000	0.000
Gulf Coast	OK	Bryan	150.950	151.097	0.1471	OK013	Durant loam, 1 to 3 percent slopes	0.000	0.000	0.015	0.147	0.000	0.147	0.000	0.000	0.000
Gulf Coast	OK	Bryan	151.097	151.132	0.0348	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.000	0.000	0.001	0.035	0.000	0.035	0.000	0.000	0.000
Gulf Coast	OK	Bryan	151.132	151.162	0.0297	OK013	Durant loam, 1 to 3 percent slopes	0.000	0.000	0.003	0.030	0.000	0.030	0.000	0.000	0.000
Gulf Coast	OK	Bryan	151.162	151.421	0.2588	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.259	0.000	0.259	0.000	0.000	0.000
Gulf Coast	OK	Bryan	151.421	151.738	0.3174	OK013	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.317	0.000	0.317	0.000	0.000	0.000
Gulf Coast	OK	Bryan	151.738	151.817	0.0787	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.079	0.000	0.079	0.000	0.000	0.000
Gulf Coast	OK	Bryan	151.817	151.840	0.0236	OK013	Dennis loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.024	0.000	0.024	0.000	0.000	0.000
Gulf Coast	OK	Bryan	151.840	151.883	0.0429	OK013	Dennis loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.043	0.000	0.043	0.000	0.000	0.000
Gulf Coast	OK	Bryan	151.883	151.992	0.1089	OK013	Crockett-Durant complex, 1 to 5 percent slopes, eroded	0.000	0.000	0.071	0.000	0.000	0.109	0.000	0.000	0.000
Gulf Coast	OK	Bryan	151.992	152.018	0.0260	OK013	Crockett loam, 1 to 5 percent slopes, severely eroded	0.000	0.000	0.023	0.000	0.000	0.023	0.000	0.000	0.000
Gulf Coast	OK	Bryan	152.018	152.100	0.0820	OK013	Crockett-Durant complex, 1 to 5 percent slopes, eroded	0.000	0.000	0.053	0.000	0.000	0.082	0.000	0.000	0.000
Gulf Coast	OK	Bryan	152.100	152.219	0.1185	OK013	Durant loam, 1 to 3 percent slopes	0.000	0.000	0.012	0.118	0.000	0.118	0.000	0.000	0.000
Gulf Coast	OK	Bryan	152.219	152.316	0.0971	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.097	0.000	0.097	0.000	0.000	0.000
Gulf Coast	OK	Bryan	152.316	152.351	0.0349	OK013	Madill fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.035	0.000	0.003	0.000	0.000	0.031
Gulf Coast	OK	Bryan	152.351	152.515	0.1639	OK013	Boxville fine sandy loam, 3 to 8 percent slopes	0.000	0.000	0.000	0.164	0.000	0.164	0.000	0.000	0.000
Gulf Coast	OK	Bryan	152.515	152.560	0.0449	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.045	0.000	0.045	0.000	0.000	0.000
Gulf Coast	OK	Bryan	152.560	152.614	0.0542	OK013	Muskogee silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.054	0.000	0.054	0.000	0.000	0.000
Gulf Coast	OK	Bryan	152.614	152.923	0.3089	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.309	0.000	0.309	0.000	0.000	0.000
Gulf Coast	OK	Bryan	152.923	153.124	0.2008	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.201	0.000	0.201	0.000	0.000	0.000
Gulf Coast	OK	Bryan	153.124	153.309	0.1851	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.185	0.000	0.185	0.000	0.000	0.000
Gulf Coast	OK	Bryan	153.309	153.373	0.0646	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.065	0.000	0.065	0.000	0.000	0.000
Gulf Coast	OK	Bryan	153.373	153.450	0.0772	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.000	0.077	0.000	0.000	0.000	0.077	0.008	0.000	0.008
Gulf Coast	OK	Bryan	153.450	153.502	0.0512	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.051	0.000	0.051	0.000	0.000	0.000
Gulf Coast	OK	Bryan	153.502	153.594	0.0924	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.092	0.000	0.092	0.000	0.000	0.000
Gulf Coast	OK	Bryan	153.594	153.638	0.0438	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.044	0.000	0.044	0.000	0.000	0.000
Gulf Coast	OK	Bryan	153.638	153.680	0.0423	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.000	0.042	0.000	0.000	0.000	0.042	0.004	0.000	0.004
Gulf Coast	OK	Bryan	153.680	153.979	0.2987	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.299	0.000	0.299	0.000	0.000	0.000
Gulf Coast	OK	Bryan	153.979	154.117	0.1378	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.000	0.138	0.000	0.000	0.000	0.138	0.014	0.000	0.014
Gulf Coast	OK	Bryan	154.117	154.265	0.1480	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.148	0.000	0.148	0.000	0.000	0.000
Gulf Coast	OK	Bryan	154.265	154.304	0.0399	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.000	0.040	0.000	0.000	0.000	0.040	0.004	0.000	0.004
Gulf Coast	OK	Bryan	154.304	154.467	0.1626	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.163	0.000	0.163	0.000	0.000	0.000
Gulf Coast	OK	Bryan	154.467	154.487	0.0200	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.000	0.020	0.000	0.000	0.000	0.020	0.002	0.000	0.002
Gulf Coast	OK	Bryan	154.487	154.762	0.2751	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.275	0.000	0.275	0.000	0.000	0.000
Gulf Coast	OK	Bryan	154.762	154.841	0.0786	OK013	Boxville fine sandy loam, 3 to 8 percent slopes	0.000	0.000	0.000	0.079	0.000	0.079	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	OK	Bryan	154.841	154.868	0.0275	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.028	0.000	0.028	0.000	0.000	0.000
Gulf Coast	OK	Bryan	154.868	154.896	0.0281	OK013	Boxville fine sandy loam, 3 to 8 percent slopes	0.000	0.000	0.000	0.028	0.000	0.028	0.000	0.000	0.000
Gulf Coast	OK	Bryan	154.896	154.944	0.0481	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.048	0.000	0.048	0.000	0.000	0.000
Gulf Coast	OK	Bryan	154.944	155.017	0.0727	OK013	Boxville fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.073	0.000	0.073	0.000	0.000	0.000
Gulf Coast	OK	Bryan	155.017	155.122	0.1048	OK013	Boxville fine sandy loam, 3 to 8 percent slopes	0.000	0.000	0.000	0.105	0.000	0.105	0.000	0.000	0.000
Gulf Coast	OK	Bryan	155.122	155.248	0.1259	OK013	Karma fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.126	0.000	0.126	0.000	0.000	0.000
Gulf Coast	OK	Bryan	155.248	155.276	0.0284	OK013	Severn fine sandy loam, 0 to 1 percent slopes, rarely flooded	0.000	0.000	0.000	0.028	0.000	0.003	0.000	0.000	0.000
Gulf Coast	OK	Bryan	155.276	155.556	0.2793	OK013	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Fannin	155.556	155.815	0.2593	TX147	Oklared-Kiomatia complex, occasionally flooded	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.091
Gulf Coast	TX	Fannin	155.815	156.092	0.2775	TX147	Norwood silt loam, rarely flooded	0.000	0.000	0.000	0.278	0.000	0.278	0.000	0.000	0.000
Gulf Coast	TX	Fannin	156.092	156.421	0.3284	TX147	Severn silt loam, rarely flooded	0.000	0.000	0.000	0.328	0.000	0.328	0.000	0.000	0.000
Gulf Coast	TX	Fannin	156.421	157.518	1.0969	TX147	Norwood silt loam, rarely flooded	0.000	0.000	0.000	1.097	0.000	1.097	0.000	0.000	0.000
Gulf Coast	TX	Fannin	157.518	157.783	0.2657	TX147	Karma loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.266	0.000	0.252	0.000	0.000	0.000
Gulf Coast	TX	Fannin	157.783	158.067	0.2841	TX147	Redlake clay, rarely flooded	0.000	0.000	0.000	0.284	0.000	0.284	0.000	0.000	0.000
Gulf Coast	TX	Fannin	158.067	158.281	0.2140	TX147	Karma loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.214	0.000	0.203	0.000	0.000	0.000
Gulf Coast	TX	Fannin	158.281	158.589	0.3074	TX147	Okay loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.307	0.000	0.307	0.000	0.000	0.000
Gulf Coast	TX	Fannin	158.589	160.103	1.5144	TX147	Muldrow clay loam, rarely flooded	0.000	0.000	0.000	0.000	1.287	1.287	0.000	0.000	0.000
Gulf Coast	TX	Fannin	160.103	160.491	0.3875	TX147	Okay loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.388	0.000	0.388	0.000	0.000	0.000
Gulf Coast	TX	Fannin	160.491	160.688	0.1973	TX147	Karma loam, 5 to 12 percent slopes, eroded	0.000	0.197	0.000	0.000	0.000	0.197	0.000	0.000	0.000
Gulf Coast	TX	Fannin	160.688	160.862	0.1743	TX147	Karma loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.174	0.000	0.166	0.000	0.000	0.000
Gulf Coast	TX	Fannin	160.862	160.927	0.0644	TX147	Karma loam, 5 to 12 percent slopes, eroded	0.000	0.064	0.000	0.000	0.000	0.064	0.000	0.000	0.000
Gulf Coast	TX	Fannin	160.927	161.610	0.6829	TX147	Redlake clay, rarely flooded	0.000	0.000	0.000	0.683	0.000	0.683	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	161.610	161.626	0.0161	TX614	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	161.626	161.639	0.0129	TX614	Desha clay, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.012	0.012	0.012	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	161.639	161.702	0.0630	TX614	Whakana fine sandy loam, 5 to 12 percent slopes	0.000	0.060	0.000	0.000	0.000	0.060	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	161.702	162.340	0.6387	TX614	Karma fine sandy loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.639	0.000	0.607	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	162.340	162.454	0.1133	TX614	Derly-Raino complex, 0 to 1 percent slopes	0.000	0.000	0.074	0.000	0.074	0.102	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	162.454	162.918	0.4645	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.000	0.395	0.000	0.000	0.000	0.395	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	162.918	162.961	0.0426	TX614	Derly-Raino complex, 0 to 1 percent slopes	0.000	0.000	0.028	0.000	0.028	0.038	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	162.961	163.601	0.6403	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.000	0.544	0.000	0.000	0.000	0.544	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	163.601	164.052	0.4512	TX614	Whakana fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.451	0.000	0.429	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	164.052	164.475	0.4223	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.000	0.359	0.000	0.000	0.000	0.359	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	164.475	164.588	0.1135	TX614	Whakana fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.114	0.000	0.108	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	164.588	164.619	0.0308	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.000	0.026	0.000	0.000	0.000	0.026	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	164.619	164.850	0.2306	TX614	Whakana fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.231	0.000	0.219	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	164.850	164.881	0.0311	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.000	0.026	0.000	0.000	0.000	0.026	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	164.881	164.993	0.1127	TX614	Whakana fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.113	0.000	0.107	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	164.993	165.079	0.0861	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.000	0.073	0.000	0.000	0.000	0.073	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	165.079	165.121	0.0416	TX614	Whakana fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.042	0.000	0.040	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	165.121	165.658	0.5368	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.000	0.456	0.000	0.000	0.000	0.456	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	165.658	165.855	0.1971	TX614	Guyton silt loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.187	0.187	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	165.855	166.017	0.1620	TX614	Woodtell loam, 5 to 12 percent slopes	0.000	0.154	0.000	0.000	0.000	0.154	0.000	0.154	0.000
Gulf Coast	TX	Delta/Lamar	166.017	166.318	0.3010	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.000	0.000	0.030	0.301	0.030	0.292	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	166.318	166.558	0.2399	TX614	Woodtell loam, 5 to 12 percent slopes	0.000	0.228	0.000	0.000	0.000	0.228	0.000	0.228	0.000
Gulf Coast	TX	Delta/Lamar	166.558	166.802	0.2441	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.000	0.000	0.024	0.244	0.024	0.237	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	166.802	166.917	0.1151	TX614	Annona loam, 1 to 4 percent slopes	0.000	0.000	0.012	0.000	0.012	0.115	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	166.917	167.249	0.3318	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.000	0.000	0.033	0.332	0.033	0.322	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	167.249	167.306	0.0574	TX614	Annona loam, 1 to 4 percent slopes	0.000	0.000	0.006	0.000	0.006	0.057	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	167.306	167.713	0.4065	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.000	0.000	0.041	0.406	0.041	0.394	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	167.713	167.724	0.0111	TX614	Derly-Raino complex, 0 to 1 percent slopes	0.000	0.000	0.007	0.000	0.007	0.010	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	167.724	168.317	0.5934	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.000	0.000	0.059	0.593	0.059	0.576	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	168.317	168.376	0.0583	TX614	Annona loam, 1 to 4 percent slopes	0.000	0.000	0.006	0.000	0.006	0.058	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	168.376	168.585	0.2094	TX614	Woodtell loam, 5 to 12 percent slopes	0.000	0.199	0.000	0.000	0.000	0.199	0.000	0.199	0.000
Gulf Coast	TX	Delta/Lamar	168.585	168.681	0.0962	TX614	Derly-Raino complex, 0 to 1 percent slopes	0.000	0.000	0.063	0.000	0.063	0.087	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	168.681	168.799	0.1173	TX614	Woodtell loam, 5 to 12 percent slopes	0.000	0.111	0.000	0.000	0.000	0.111	0.000	0.111	0.000
Gulf Coast	TX	Delta/Lamar	168.799	169.136	0.3379	TX614	Lassiter silt loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.034	0.338	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	169.136	169.303	0.1669	TX614	Woodtell loam, 5 to 12 percent slopes	0.000	0.159	0.000	0.000	0.000	0.159	0.000	0.159	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Delta/Lamar	169.303	169.427	0.1241	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.000	0.000	0.012	0.124	0.012	0.120	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	169.427	169.769	0.3415	TX614	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.324	0.000	0.000	0.324	0.000	0.324	0.000
Gulf Coast	TX	Delta/Lamar	169.769	170.054	0.2851	TX614	Annona loam, 1 to 4 percent slopes	0.000	0.000	0.029	0.000	0.029	0.285	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	170.054	170.124	0.0700	TX614	Derly silt loam, 0 to 1 percent slopes	0.000	0.000	0.063	0.000	0.063	0.063	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	170.124	170.287	0.1631	TX614	Annona loam, 1 to 4 percent slopes	0.000	0.000	0.016	0.000	0.016	0.163	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	170.287	170.633	0.3455	TX614	Roxton clay, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.328	0.328	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	170.633	170.957	0.3240	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	0.000	0.000	0.324	0.000	0.000	0.324	0.292	0.000	0.000
Gulf Coast	TX	Delta/Lamar	170.957	171.200	0.2435	TX614	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.231	0.000	0.000	0.231	0.000	0.231	0.000
Gulf Coast	TX	Delta/Lamar	171.200	171.702	0.5014	TX614	Mabank-Crockett complex, 0 to 1 percent slopes	0.000	0.000	0.181	0.000	0.000	0.466	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	171.702	171.983	0.2809	TX614	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.267	0.000	0.000	0.267	0.000	0.267	0.000
Gulf Coast	TX	Delta/Lamar	171.983	172.219	0.2369	TX614	Mabank-Crockett complex, 0 to 1 percent slopes	0.000	0.000	0.085	0.000	0.000	0.220	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	172.219	172.356	0.1362	TX614	Lassiter silt loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.014	0.136	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	172.356	172.488	0.1328	TX614	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.126	0.000	0.000	0.126	0.000	0.126	0.000
Gulf Coast	TX	Delta/Lamar	172.488	172.542	0.0531	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.053	0.000	0.049	0.000	0.023	0.000
Gulf Coast	TX	Delta/Lamar	172.542	172.633	0.0915	TX614	Normangee clay loam, 1 to 3 percent slopes	0.000	0.000	0.082	0.000	0.000	0.082	0.082	0.000	0.000
Gulf Coast	TX	Delta/Lamar	172.633	172.857	0.2238	TX614	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.213	0.000	0.000	0.213	0.000	0.213	0.000
Gulf Coast	TX	Delta/Lamar	172.857	172.986	0.1290	TX614	Parisian silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.129	0.000	0.123	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	172.986	173.051	0.0654	TX614	Woodtell loam, 5 to 12 percent slopes	0.000	0.062	0.000	0.000	0.000	0.062	0.000	0.062	0.000
Gulf Coast	TX	Delta/Lamar	173.051	173.120	0.0684	TX614	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.065	0.000	0.000	0.065	0.000	0.065	0.000
Gulf Coast	TX	Delta/Lamar	173.120	173.274	0.1541	TX614	Mabank-Crockett complex, 0 to 1 percent slopes	0.000	0.000	0.055	0.000	0.000	0.143	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	173.274	173.669	0.3955	TX614	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.376	0.000	0.000	0.376	0.000	0.376	0.000
Gulf Coast	TX	Delta/Lamar	173.669	173.718	0.0486	TX614	Wilson silty loam, 0 to 2 percent slopes	0.000	0.000	0.046	0.000	0.000	0.046	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	173.718	173.862	0.1447	TX614	Lassiter silt loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.014	0.145	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	173.862	174.493	0.6303	TX614	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.599	0.000	0.000	0.599	0.000	0.599	0.000
Gulf Coast	TX	Delta/Lamar	174.493	174.520	0.0273	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	0.000	0.000	0.027	0.000	0.000	0.027	0.025	0.000	0.000
Gulf Coast	TX	Delta/Lamar	174.520	174.520	0.0003	TX614	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	174.520	174.717	0.1968	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	0.000	0.000	0.197	0.000	0.000	0.197	0.177	0.000	0.000
Gulf Coast	TX	Delta/Lamar	174.717	174.938	0.2206	TX614	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.210	0.000	0.000	0.210	0.000	0.210	0.000
Gulf Coast	TX	Delta/Lamar	174.938	174.989	0.0508	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	0.000	0.000	0.051	0.000	0.000	0.051	0.046	0.000	0.000
Gulf Coast	TX	Delta/Lamar	174.989	175.069	0.0809	TX614	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.077	0.000	0.000	0.077	0.000	0.077	0.000
Gulf Coast	TX	Delta/Lamar	175.069	175.760	0.6904	TX614	Wilson silty loam, 0 to 2 percent slopes	0.000	0.000	0.656	0.000	0.000	0.656	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	175.760	175.861	0.1011	TX614	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.096	0.000	0.000	0.096	0.000	0.096	0.000
Gulf Coast	TX	Delta/Lamar	175.861	175.953	0.0916	TX614	Parisian silt loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.092	0.000	0.087	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	175.953	176.047	0.0940	TX614	Lassiter silt loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.009	0.094	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	176.047	176.073	0.0262	TX614	Wilson silty loam, 0 to 2 percent slopes	0.000	0.000	0.025	0.000	0.000	0.025	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	176.073	176.771	0.6978	TX614	Normangee clay loam, 1 to 3 percent slopes	0.000	0.000	0.628	0.000	0.000	0.628	0.628	0.000	0.000
Gulf Coast	TX	Delta/Lamar	176.771	176.838	0.0670	TX614	Wilson silty loam, 0 to 2 percent slopes	0.000	0.000	0.064	0.000	0.000	0.064	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	176.838	177.693	0.8550	TX614	Normangee clay loam, 1 to 3 percent slopes	0.000	0.000	0.770	0.000	0.000	0.770	0.770	0.000	0.000
Gulf Coast	TX	Delta/Lamar	177.693	177.749	0.0561	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	0.053	0.056	0.000	0.053	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	177.749	178.079	0.3300	TX614	Heiden clay, 2 to 5 percent slopes	0.000	0.000	0.000	0.330	0.000	0.313	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	178.079	179.895	1.8164	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	1.726	1.816	0.000	1.726	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	179.895	180.498	0.6026	TX614	Houston Black clay, 0 to 1 percent slopes	0.000	0.000	0.573	0.603	0.000	0.573	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	180.498	180.901	0.4031	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	0.383	0.403	0.000	0.383	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	180.901	181.021	0.1199	TX614	Houston Black clay, 0 to 1 percent slopes	0.000	0.000	0.114	0.120	0.000	0.114	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	181.021	181.313	0.2919	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	0.277	0.292	0.000	0.277	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	181.313	181.322	0.0095	TX614	Austin silty clay, 1 to 3 percent slopes	0.000	0.000	0.000	0.009	0.000	0.009	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	181.322	181.655	0.3326	TX614	Stephen silty clay, 1 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.316	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	181.655	181.716	0.0610	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	0.058	0.061	0.000	0.058	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	181.716	181.822	0.1062	TX614	Leson clay, 1 to 3 percent slopes	0.000	0.000	0.101	0.106	0.000	0.101	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	181.822	182.034	0.2126	TX614	Stephen-Eddy complex, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.179	0.072	0.000	0.000
Gulf Coast	TX	Delta/Lamar	182.034	182.620	0.5858	TX614	Austin silty clay, 1 to 3 percent slopes	0.000	0.000	0.000	0.586	0.000	0.557	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	182.620	182.939	0.3187	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	0.303	0.319	0.000	0.303	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	182.939	183.017	0.0776	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.078	0.000	0.071	0.000	0.034	0.000
Gulf Coast	TX	Delta/Lamar	183.017	183.021	0.0044	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	0.004	0.004	0.000	0.004	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	183.021	183.030	0.0093	TX614	Heiden clay, 2 to 5 percent slopes	0.000	0.000	0.000	0.009	0.000	0.009	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	183.030	183.196	0.1656	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	0.157	0.166	0.000	0.157	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	183.196	183.311	0.1150	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.115	0.000	0.106	0.000	0.051	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Delta/Lamar	183.311	183.486	0.1748	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	0.166	0.175	0.000	0.166	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	183.486	183.904	0.4182	TX614	Ferris clay, 5 to 12 percent slopes, eroded	0.000	0.397	0.000	0.000	0.000	0.397	0.000	0.397	0.000
Gulf Coast	TX	Delta/Lamar	183.904	184.021	0.1176	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.118	0.000	0.108	0.000	0.052	0.000
Gulf Coast	TX	Delta/Lamar	184.021	184.431	0.4097	TX614	Ferris clay, 5 to 12 percent slopes, eroded	0.000	0.389	0.000	0.000	0.000	0.389	0.000	0.389	0.000
Gulf Coast	TX	Delta/Lamar	184.431	184.590	0.1587	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	0.151	0.159	0.000	0.151	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	184.590	184.668	0.0777	TX614	Ferris clay, 5 to 12 percent slopes, eroded	0.000	0.074	0.000	0.000	0.000	0.074	0.000	0.074	0.000
Gulf Coast	TX	Delta/Lamar	184.668	184.780	0.1128	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.113	0.000	0.104	0.000	0.050	0.000
Gulf Coast	TX	Delta/Lamar	184.780	185.417	0.6367	TX614	Ferris clay, 5 to 12 percent slopes, eroded	0.000	0.605	0.000	0.000	0.000	0.605	0.000	0.605	0.000
Gulf Coast	TX	Delta/Lamar	185.417	185.671	0.2540	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	0.241	0.254	0.000	0.241	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	185.671	185.693	0.0220	TX614	Elbon silty clay loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.021	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	185.693	185.970	0.2769	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	0.263	0.277	0.000	0.263	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	185.970	186.242	0.2725	TX614	Elbon silty clay loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.259	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	186.242	186.398	0.1552	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	0.147	0.155	0.000	0.147	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	186.398	186.452	0.0540	TX614	Lamar clay loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.051	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	186.452	186.542	0.0900	TX614	Leson clay, 1 to 3 percent slopes	0.000	0.000	0.085	0.090	0.000	0.085	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	186.542	186.719	0.1772	TX614	Lamar clay loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.168	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	186.719	186.898	0.1790	TX614	Elbon silty clay loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.170	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	186.898	187.424	0.5265	TX614	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.526	0.000	0.474	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	187.424	187.623	0.1991	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	0.189	0.199	0.000	0.189	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	187.623	187.978	0.3546	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.355	0.000	0.326	0.000	0.156	0.000
Gulf Coast	TX	Delta/Lamar	187.978	188.321	0.3434	TX614	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.343	0.000	0.309	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	188.321	188.524	0.2026	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	0.192	0.203	0.000	0.192	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	188.524	188.578	0.0543	TX614	Heiden clay, 2 to 5 percent slopes	0.000	0.000	0.000	0.054	0.000	0.052	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	188.578	188.626	0.0473	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	0.045	0.047	0.000	0.045	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	188.626	189.605	0.9791	TX614	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.979	0.000	0.881	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	189.605	189.922	0.3176	TX614	Trinity clay, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.302	0.302	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	189.922	190.228	0.3054	TX614	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	0.305	0.000	0.275	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	190.228	190.286	0.0583	TX614	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	190.286	191.440	1.1539	TX614	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.000	0.000	0.000	1.154	0.000	1.039	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	191.440	191.525	0.0851	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	0.081	0.085	0.000	0.081	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	191.525	191.607	0.0822	TX614	Heiden clay, 2 to 5 percent slopes	0.000	0.000	0.000	0.082	0.000	0.078	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	191.607	191.734	0.1267	TX614	Ferris clay, 5 to 12 percent slopes, eroded	0.000	0.120	0.000	0.000	0.000	0.120	0.000	0.120	0.000
Gulf Coast	TX	Delta/Lamar	191.734	191.831	0.0974	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	0.093	0.097	0.000	0.093	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	191.831	191.904	0.0727	TX614	Ferris clay, 5 to 12 percent slopes, eroded	0.000	0.069	0.000	0.000	0.000	0.069	0.000	0.069	0.000
Gulf Coast	TX	Delta/Lamar	191.904	192.257	0.3531	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	0.335	0.353	0.000	0.335	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	192.257	192.728	0.4715	TX614	Leson clay, 1 to 3 percent slopes	0.000	0.000	0.448	0.472	0.000	0.448	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	192.728	192.951	0.2227	TX614	Wilson silty loam, 0 to 2 percent slopes	0.000	0.000	0.212	0.000	0.000	0.212	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	192.951	193.052	0.1013	TX614	Leson clay, 1 to 3 percent slopes	0.000	0.000	0.096	0.101	0.000	0.096	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	193.052	193.225	0.1730	TX614	Deport clay, 1 to 3 percent slopes	0.000	0.000	0.017	0.173	0.017	0.173	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	193.225	193.483	0.2578	TX614	Burleson clay, 0 to 1 percent slopes	0.000	0.000	0.245	0.258	0.000	0.245	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	193.483	193.603	0.1201	TX614	Deport clay, 1 to 3 percent slopes	0.000	0.000	0.012	0.120	0.012	0.120	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	193.603	193.832	0.2284	TX614	Kaufman clay, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.217	0.217	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	193.832	194.062	0.2304	TX614	Deport clay, 1 to 3 percent slopes	0.000	0.000	0.023	0.230	0.023	0.230	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	194.062	194.134	0.0718	TX614	Leson clay, 1 to 3 percent slopes	0.000	0.000	0.068	0.072	0.000	0.068	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	194.134	194.391	0.2574	TX614	Deport clay, 1 to 3 percent slopes	0.000	0.000	0.026	0.257	0.026	0.257	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	194.391	194.478	0.0866	TX614	Kaufman clay, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.082	0.082	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	194.478	195.300	0.8217	TX614	Leson clay, 1 to 3 percent slopes	0.000	0.000	0.781	0.822	0.000	0.781	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	195.300	195.344	0.0440	TX614	Trinity clay, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.042	0.042	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	195.344	195.497	0.1534	TX614	Leson clay, 1 to 3 percent slopes	0.000	0.000	0.146	0.153	0.000	0.146	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	195.497	195.600	0.1028	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	0.098	0.103	0.000	0.098	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	195.600	195.888	0.2877	TX614	Leson clay, 1 to 3 percent slopes	0.000	0.000	0.273	0.288	0.000	0.273	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	195.888	196.017	0.1291	TX614	Heiden clay, 2 to 5 percent slopes	0.000	0.000	0.000	0.129	0.000	0.123	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	196.017	196.129	0.1122	TX614	Leson clay, 1 to 3 percent slopes	0.000	0.000	0.107	0.112	0.000	0.107	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	196.129	196.206	0.0772	TX614	Heiden clay, 2 to 5 percent slopes	0.000	0.000	0.000	0.077	0.000	0.073	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	196.206	196.863	0.6573	TX614	Leson clay, 1 to 3 percent slopes	0.000	0.000	0.624	0.657	0.000	0.624	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	196.863	196.957	0.0936	TX614	Heiden clay, 2 to 5 percent slopes	0.000	0.000	0.000	0.094	0.000	0.089	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	196.957	197.173	0.2157	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.000	0.000	0.000	0.216	0.000	0.198	0.000	0.095	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Delta/Lamar	197.173	197.191	0.0179	TX614	Leson clay, 1 to 3 percent slopes	0.000	0.000	0.017	0.018	0.000	0.017	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	197.191	197.257	0.0661	TX614	Houston Black clay, 1 to 3 percent slopes	0.000	0.000	0.063	0.066	0.000	0.063	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	197.257	197.338	0.0812	TX614	Heiden clay, 2 to 5 percent slopes	0.000	0.000	0.000	0.081	0.000	0.077	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	197.338	197.534	0.1961	TX614	Deport clay, 1 to 3 percent slopes	0.000	0.000	0.020	0.196	0.020	0.196	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	197.534	197.794	0.2605	TX614	Wilson silty loam, 0 to 2 percent slopes	0.000	0.000	0.247	0.000	0.000	0.247	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	197.794	198.015	0.2209	TX614	Heiden clay, 2 to 5 percent slopes	0.000	0.000	0.000	0.221	0.000	0.210	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	198.015	198.062	0.0465	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	0.000	0.000	0.046	0.000	0.000	0.046	0.042	0.000	0.000
Gulf Coast	TX	Delta/Lamar	198.062	198.141	0.0795	TX614	Wilson silty loam, 0 to 2 percent slopes	0.000	0.000	0.076	0.000	0.000	0.076	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	198.141	198.345	0.2034	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	0.000	0.000	0.203	0.000	0.000	0.203	0.183	0.000	0.000
Gulf Coast	TX	Delta/Lamar	198.345	198.449	0.1045	TX614	Annona loam, 1 to 4 percent slopes	0.000	0.000	0.010	0.000	0.010	0.105	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	198.449	198.581	0.1316	TX614	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.125	0.000	0.000	0.125	0.000	0.125	0.000
Gulf Coast	TX	Delta/Lamar	198.581	198.603	0.0219	TX614	Annona loam, 1 to 4 percent slopes	0.000	0.000	0.002	0.000	0.002	0.022	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	198.603	198.609	0.0068	TX614	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.006	0.000	0.000	0.006	0.000	0.006	0.000
Gulf Coast	TX	Delta/Lamar	198.609	198.765	0.1557	TX614	Annona loam, 1 to 4 percent slopes	0.000	0.000	0.016	0.000	0.016	0.156	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	198.765	199.274	0.5093	TX614	Wilson silty loam, 0 to 2 percent slopes	0.000	0.000	0.484	0.000	0.000	0.484	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	199.274	199.295	0.0210	TX614	Woodtell loam, 5 to 12 percent slopes	0.000	0.020	0.000	0.000	0.000	0.020	0.000	0.020	0.000
Gulf Coast	TX	Delta/Lamar	199.295	200.292	0.9967	TX614	Wilson silty loam, 0 to 2 percent slopes	0.000	0.000	0.947	0.000	0.000	0.947	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	200.292	200.647	0.3544	TX614	Annona loam, 1 to 4 percent slopes	0.000	0.000	0.035	0.000	0.035	0.354	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	200.647	200.704	0.0571	TX614	Woodtell loam, 5 to 12 percent slopes	0.000	0.054	0.000	0.000	0.000	0.054	0.000	0.054	0.000
Gulf Coast	TX	Delta/Lamar	200.704	200.838	0.1347	TX614	Annona loam, 1 to 4 percent slopes	0.000	0.000	0.013	0.000	0.013	0.135	0.000	0.000	0.000
Gulf Coast	TX	Delta/Lamar	200.838	200.942	0.1037	TX614	Woodtell loam, 5 to 12 percent slopes	0.000	0.099	0.000	0.000	0.000	0.099	0.000	0.099	0.000
Gulf Coast	TX	Delta/Lamar	200.942	201.236	0.2940	TX614	Kaufman clay, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.279	0.279	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	201.236	201.855	0.6194	TX610	Kaufman clay	0.000	0.000	0.000	0.000	0.588	0.588	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	201.855	201.947	0.0914	TX610	Crockett loam, 2 to 5 percent slops, eroded	0.000	0.000	0.091	0.000	0.000	0.091	0.000	0.091	0.000
Gulf Coast	TX	Hopkins	201.947	202.581	0.6341	TX610	Kaufman clay	0.000	0.000	0.000	0.000	0.602	0.602	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	202.581	202.873	0.2924	TX610	Nahatche soils	0.000	0.000	0.000	0.000	0.278	0.278	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	202.873	202.885	0.0120	TX610	Wilson clay loam, 0 to 2 percent slopes	0.000	0.000	0.012	0.000	0.000	0.012	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	202.885	202.989	0.1041	TX610	Bazette clay loam, 5 to 12 percent slopes	0.000	0.094	0.000	0.000	0.000	0.094	0.094	0.094	0.000
Gulf Coast	TX	Hopkins	202.989	203.267	0.2773	TX610	Woodtell loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.277	0.000	0.277	0.000
Gulf Coast	TX	Hopkins	203.267	203.302	0.0353	TX610	Bazette clay loam, 5 to 12 percent slopes	0.000	0.032	0.000	0.000	0.000	0.032	0.032	0.032	0.000
Gulf Coast	TX	Hopkins	203.302	203.393	0.0905	TX610	Bazette clay loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.091	0.000	0.091	0.091	0.091	0.000
Gulf Coast	TX	Hopkins	203.393	203.450	0.0576	TX610	Bazette clay loam, 5 to 12 percent slopes	0.000	0.052	0.000	0.000	0.000	0.052	0.052	0.052	0.000
Gulf Coast	TX	Hopkins	203.450	203.522	0.0715	TX610	Bazette clay loam, 3 to 5 percent slopes	0.000	0.000	0.000	0.072	0.000	0.072	0.072	0.072	0.000
Gulf Coast	TX	Hopkins	203.522	203.651	0.1295	TX610	Bazette clay loam, 5 to 12 percent slopes	0.000	0.117	0.000	0.000	0.000	0.117	0.117	0.117	0.000
Gulf Coast	TX	Hopkins	203.651	203.758	0.1067	TX610	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.107	0.000	0.000	0.107	0.000	0.107	0.000
Gulf Coast	TX	Hopkins	203.758	203.962	0.2043	TX610	Bazette clay loam, 5 to 12 percent slopes	0.000	0.184	0.000	0.000	0.000	0.184	0.184	0.184	0.000
Gulf Coast	TX	Hopkins	203.962	206.079	2.1169	TX610	Crockett loam, 1 to 3 percent slopes	0.000	0.000	2.117	0.000	0.000	2.117	0.000	2.117	0.000
Gulf Coast	TX	Hopkins	206.079	206.117	0.0380	TX610	Annona-Raino complex	0.000	0.000	0.000	0.000	0.000	0.038	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	206.117	206.287	0.1697	TX610	Nahatche soils	0.000	0.000	0.000	0.000	0.161	0.161	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	206.287	206.554	0.2668	TX610	Bazette clay loam, 5 to 12 percent slopes	0.000	0.240	0.000	0.000	0.000	0.240	0.240	0.240	0.000
Gulf Coast	TX	Hopkins	206.554	206.659	0.1056	TX610	Crockett loam, 2 to 5 percent slops, eroded	0.000	0.000	0.106	0.000	0.000	0.106	0.000	0.106	0.000
Gulf Coast	TX	Hopkins	206.659	206.698	0.0386	TX610	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.039	0.000	0.000	0.039	0.000	0.039	0.000
Gulf Coast	TX	Hopkins	206.698	206.726	0.0283	TX610	Crockett loam, 2 to 5 percent slops, eroded	0.000	0.000	0.028	0.000	0.000	0.028	0.000	0.028	0.000
Gulf Coast	TX	Hopkins	206.726	207.056	0.3302	TX610	Crockett loam, 3 to 5 percent slopes	0.000	0.000	0.330	0.000	0.000	0.330	0.000	0.330	0.000
Gulf Coast	TX	Hopkins	207.056	207.585	0.5287	TX610	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.529	0.000	0.000	0.529	0.000	0.529	0.000
Gulf Coast	TX	Hopkins	207.585	207.610	0.0252	TX610	Crockett loam, 3 to 5 percent slopes	0.000	0.000	0.025	0.000	0.000	0.025	0.000	0.025	0.000
Gulf Coast	TX	Hopkins	207.610	207.824	0.2134	TX610	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.213	0.000	0.000	0.213	0.000	0.213	0.000
Gulf Coast	TX	Hopkins	207.824	207.965	0.1415	TX610	Crockett loam, 2 to 5 percent slops, eroded	0.000	0.000	0.142	0.000	0.000	0.142	0.000	0.142	0.000
Gulf Coast	TX	Hopkins	207.965	208.095	0.1304	TX610	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.130	0.000	0.000	0.130	0.000	0.130	0.000
Gulf Coast	TX	Hopkins	208.095	208.205	0.1092	TX610	Crockett loam, 2 to 5 percent slops, eroded	0.000	0.000	0.109	0.000	0.000	0.109	0.000	0.109	0.000
Gulf Coast	TX	Hopkins	208.205	208.548	0.3428	TX610	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.343	0.000	0.000	0.343	0.000	0.343	0.000
Gulf Coast	TX	Hopkins	208.548	208.611	0.0635	TX610	Crockett loam, 2 to 5 percent slops, eroded	0.000	0.000	0.064	0.000	0.000	0.064	0.000	0.064	0.000
Gulf Coast	TX	Hopkins	208.611	208.983	0.3720	TX610	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.372	0.000	0.000	0.372	0.000	0.372	0.000
Gulf Coast	TX	Hopkins	208.983	209.085	0.1015	TX610	Crockett loam, 3 to 5 percent slopes	0.000	0.000	0.102	0.000	0.000	0.102	0.000	0.102	0.000
Gulf Coast	TX	Hopkins	209.085	209.397	0.3120	TX610	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.312	0.000	0.000	0.312	0.000	0.312	0.000
Gulf Coast	TX	Hopkins	209.397	209.432	0.0355	TX610	Crockett loam, 3 to 5 percent slopes	0.000	0.000	0.036	0.000	0.000	0.036	0.000	0.036	0.000
Gulf Coast	TX	Hopkins	209.432	209.765	0.3330	TX610	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.333	0.000	0.000	0.333	0.000	0.333	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Hopkins	209.765	209.797	0.0320	TX610	Crockett loam, 2 to 5 percent slops, eroded	0.000	0.000	0.032	0.000	0.000	0.032	0.000	0.032	0.000
Gulf Coast	TX	Hopkins	209.797	209.854	0.0566	TX610	Woodtell loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.057	0.000	0.057	0.000
Gulf Coast	TX	Hopkins	209.854	209.992	0.1380	TX610	Nahatche soils	0.000	0.000	0.000	0.000	0.131	0.131	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	209.992	210.058	0.0668	TX610	Woodtell loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.067	0.000	0.067	0.000
Gulf Coast	TX	Hopkins	210.058	210.489	0.4306	TX610	Wilson clay loam, 0 to 2 percent slopes	0.000	0.000	0.431	0.000	0.000	0.431	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	210.489	210.647	0.1575	TX610	Lufkin-Raino complex	0.000	0.000	0.095	0.000	0.000	0.158	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	210.647	210.831	0.1848	TX610	Woodtell loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.185	0.000	0.185	0.000
Gulf Coast	TX	Hopkins	210.831	211.300	0.4681	TX610	Annona-Raino complex	0.000	0.000	0.000	0.000	0.000	0.468	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	211.300	211.451	0.1518	TX610	Woodtell loam, 5 to 12 percent slopes	0.000	0.137	0.000	0.000	0.015	0.152	0.000	0.137	0.000
Gulf Coast	TX	Hopkins	211.451	211.844	0.3925	TX610	Nahatche soils	0.000	0.000	0.000	0.000	0.373	0.373	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	211.844	211.928	0.0838	TX610	Woodtell loam, 5 to 12 percent slopes	0.000	0.075	0.000	0.000	0.008	0.084	0.000	0.075	0.000
Gulf Coast	TX	Hopkins	211.928	212.018	0.0902	TX610	Woodtell loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.090	0.000	0.090	0.000
Gulf Coast	TX	Hopkins	212.018	212.110	0.0925	TX610	Woodtell loam, 5 to 12 percent slopes	0.000	0.083	0.000	0.000	0.009	0.093	0.000	0.083	0.000
Gulf Coast	TX	Hopkins	212.110	213.500	1.3899	TX610	Nahatche soils	0.000	0.000	0.000	0.000	1.320	1.320	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	213.500	213.628	0.1282	TX610	Woodtell loam, 5 to 12 percent slopes	0.000	0.115	0.000	0.000	0.013	0.128	0.000	0.115	0.000
Gulf Coast	TX	Hopkins	213.628	213.795	0.1667	TX610	Crockett loam, 2 to 5 percent slops, eroded	0.000	0.000	0.167	0.000	0.000	0.167	0.000	0.167	0.000
Gulf Coast	TX	Hopkins	213.795	213.852	0.0574	TX610	Nahatche soils	0.000	0.000	0.000	0.000	0.055	0.055	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	213.852	213.935	0.0830	TX610	Crockett loam, 3 to 5 percent slopes	0.000	0.000	0.083	0.000	0.000	0.083	0.000	0.083	0.000
Gulf Coast	TX	Hopkins	213.935	214.961	1.0251	TX610	Crockett loam, 1 to 3 percent slopes	0.000	0.000	1.025	0.000	0.000	1.025	0.000	1.025	0.000
Gulf Coast	TX	Hopkins	214.961	215.022	0.0615	TX610	Crockett loam, 2 to 5 percent slops, eroded	0.000	0.000	0.062	0.000	0.000	0.062	0.000	0.062	0.000
Gulf Coast	TX	Hopkins	215.022	215.532	0.5104	TX610	Crockett loam, 1 to 3 percent slopes	0.000	0.000	0.510	0.000	0.000	0.510	0.000	0.510	0.000
Gulf Coast	TX	Hopkins	215.532	215.599	0.0665	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.066	0.000	0.066	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	215.599	216.005	0.4058	TX610	Woodtell loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.406	0.000	0.406	0.000
Gulf Coast	TX	Hopkins	216.005	216.260	0.2550	TX610	Nahatche soils	0.000	0.000	0.000	0.000	0.242	0.242	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	216.260	216.371	0.1110	TX610	Crockett loam, 2 to 5 percent slops, eroded	0.000	0.000	0.111	0.000	0.000	0.111	0.000	0.111	0.000
Gulf Coast	TX	Hopkins	216.371	217.350	0.9794	TX610	Nahatche soils	0.000	0.000	0.000	0.000	0.930	0.930	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	217.350	217.655	0.3050	TX610	Bernaldo fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.305	0.000	0.305	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	217.655	217.872	0.2171	TX610	Nahatche soils	0.000	0.000	0.000	0.000	0.206	0.206	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	217.872	217.950	0.0774	TX610	Woodtell loam, 5 to 12 percent slopes	0.000	0.070	0.000	0.000	0.008	0.077	0.000	0.070	0.000
Gulf Coast	TX	Hopkins	217.950	218.100	0.1499	TX610	Wolfpen loamy fine sand, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.150	0.000	0.000	0.150
Gulf Coast	TX	Hopkins	218.100	218.139	0.0391	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.039	0.000	0.039	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	218.139	218.194	0.0556	TX610	Woodtell loam, 5 to 12 percent slopes	0.000	0.050	0.000	0.000	0.006	0.056	0.000	0.050	0.000
Gulf Coast	TX	Hopkins	218.194	218.276	0.0815	TX610	Wolfpen loamy fine sand, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.082	0.000	0.000	0.082
Gulf Coast	TX	Hopkins	218.276	218.352	0.0760	TX610	Woodtell loam, 5 to 12 percent slopes	0.000	0.068	0.000	0.000	0.008	0.076	0.000	0.068	0.000
Gulf Coast	TX	Hopkins	218.352	218.460	0.1081	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.108	0.000	0.108	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	218.460	218.564	0.1043	TX610	Woodtell loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.104	0.000	0.104	0.000
Gulf Coast	TX	Hopkins	218.564	218.673	0.1087	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.109	0.000	0.109	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	218.673	218.734	0.0613	TX610	Woodtell loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.061	0.000	0.061	0.000
Gulf Coast	TX	Hopkins	218.734	219.159	0.4247	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.425	0.000	0.425	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	219.159	219.333	0.1741	TX610	Lufkin-Raino complex	0.000	0.000	0.104	0.000	0.000	0.174	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	219.333	219.782	0.4489	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.449	0.000	0.449	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	219.782	219.906	0.1236	TX610	Lufkin-Raino complex	0.000	0.000	0.074	0.000	0.000	0.124	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	219.906	220.202	0.2959	TX610	Wolfpen loamy fine sand, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.296	0.000	0.000	0.296
Gulf Coast	TX	Hopkins	220.202	220.315	0.1130	TX610	Woodtell loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.113	0.000	0.113	0.000
Gulf Coast	TX	Hopkins	220.315	220.462	0.1471	TX610	Nahatche soils	0.000	0.000	0.000	0.000	0.140	0.140	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	220.462	220.516	0.0538	TX610	Woodtell loam, 5 to 12 percent slopes	0.000	0.048	0.000	0.000	0.005	0.054	0.000	0.048	0.000
Gulf Coast	TX	Hopkins	220.516	220.689	0.1735	TX610	Woodtell loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.174	0.000	0.174	0.000
Gulf Coast	TX	Hopkins	220.689	220.957	0.2681	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.268	0.000	0.268	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	220.957	221.321	0.3639	TX610	Woodtell loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.364	0.000	0.364	0.000
Gulf Coast	TX	Hopkins	221.321	221.368	0.0473	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.047	0.000	0.047	0.000	0.000	0.000
Gulf Coast	TX	Hopkins	221.368	221.790	0.4214	TX610	Woodtell loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.421	0.000	0.421	0.000
Gulf Coast	TX	Hopkins	221.790	221.858	0.0679	TX610	Wolfpen loamy fine sand, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.068	0.000	0.000	0.068
Gulf Coast	TX	Hopkins	221.858	221.925	0.0669	TX610	Woodtell loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.067	0.000	0.067	0.000
Gulf Coast	TX	Hopkins	221.925	222.008	0.0836	TX610	Wolfpen loamy fine sand, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.084	0.000	0.000	0.084
Gulf Coast	TX	Hopkins	222.008	222.055	0.0465	TX610	Woodtell loam, 5 to 12 percent slopes	0.000	0.042	0.000	0.000	0.005	0.047	0.000	0.042	0.000
Gulf Coast	TX	Hopkins	222.055	222.108	0.0533	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.053	0.000	0.053	0.000	0.000	0.000
Gulf Coast	TX	Franklin	222.108	222.148	0.0399	TX603	Freestone fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.040	0.000	0.034	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Franklin	222.148	222.292	0.1438	TX603	Woodtell fine sandy loam, 5 to 20 percent slopes	0.000	0.122	0.000	0.000	0.000	0.122	0.000	0.122	0.000
Gulf Coast	TX	Franklin	222.292	222.355	0.0633	TX603	Woodtell fine sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.057	0.000	0.057	0.000
Gulf Coast	TX	Franklin	222.355	222.497	0.1416	TX603	Freestone fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.142	0.000	0.120	0.000	0.000	0.000
Gulf Coast	TX	Franklin	222.497	222.504	0.0079	TX603	Wolfpen loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.007
Gulf Coast	TX	Franklin	222.504	222.563	0.0582	TX603	Iuka fine sandy loam, frequently flooded	0.000	0.000	0.000	0.000	0.006	0.006	0.000	0.000	0.000
Gulf Coast	TX	Franklin	222.563	222.702	0.1392	TX603	Pickton fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.111	0.000	0.000	0.111
Gulf Coast	TX	Franklin	222.702	222.853	0.1511	TX603	Wolfpen loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.136	0.000	0.000	0.136
Gulf Coast	TX	Franklin	222.853	222.924	0.0712	TX603	Bernaldo fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.071	0.000	0.061	0.000	0.000	0.000
Gulf Coast	TX	Franklin	222.924	223.118	0.1938	TX603	Wolfpen loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.174	0.000	0.000	0.174
Gulf Coast	TX	Franklin	223.118	224.481	1.3627	TX603	Woodtell fine sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	1.226	0.000	1.226	0.000
Gulf Coast	TX	Franklin	224.481	224.820	0.3396	TX603	Woodtell fine sandy loam, 5 to 20 percent slopes	0.000	0.289	0.000	0.000	0.000	0.289	0.000	0.289	0.000
Gulf Coast	TX	Franklin	224.820	224.940	0.1191	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.101	0.000	0.000	0.000	0.101	0.000	0.101	0.000
Gulf Coast	TX	Franklin	224.940	225.181	0.2419	TX603	Woodtell fine sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.218	0.000	0.218	0.000
Gulf Coast	TX	Franklin	225.181	225.254	0.0724	TX603	Kirvin very fine sandy loam, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.062	0.000	0.062	0.000
Gulf Coast	TX	Franklin	225.254	225.384	0.1305	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.111	0.000	0.000	0.000	0.111	0.000	0.111	0.000
Gulf Coast	TX	Franklin	225.384	225.464	0.0794	TX603	Nahatche loam silty clay loam, frequently flooded	0.000	0.000	0.000	0.000	0.064	0.064	0.000	0.000	0.000
Gulf Coast	TX	Franklin	225.464	225.513	0.0493	TX603	Pickton fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.044	0.000	0.000	0.044
Gulf Coast	TX	Franklin	225.513	225.778	0.2652	TX603	Pickton fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.212	0.000	0.000	0.212
Gulf Coast	TX	Franklin	225.778	225.869	0.0908	TX603	Pickton fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.082	0.000	0.000	0.082
Gulf Coast	TX	Franklin	225.869	226.035	0.1661	TX603	Wolfpen loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.149	0.000	0.000	0.149
Gulf Coast	TX	Franklin	226.035	226.338	0.3030	TX603	Iuka fine sandy loam, frequently flooded	0.000	0.000	0.000	0.000	0.030	0.030	0.000	0.000	0.000
Gulf Coast	TX	Franklin	226.338	226.503	0.1644	TX603	Woodtell fine sandy loam, 5 to 20 percent slopes	0.000	0.140	0.000	0.000	0.000	0.140	0.000	0.140	0.000
Gulf Coast	TX	Franklin	226.503	226.826	0.3231	TX603	Bernaldo fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.323	0.000	0.275	0.000	0.000	0.000
Gulf Coast	TX	Franklin	226.826	227.141	0.3152	TX603	Woodtell fine sandy loam, 5 to 20 percent slopes	0.000	0.268	0.000	0.000	0.000	0.268	0.000	0.268	0.000
Gulf Coast	TX	Franklin	227.141	227.656	0.5148	TX603	Nahatche loam silty clay loam, frequently flooded	0.000	0.000	0.000	0.000	0.412	0.412	0.000	0.000	0.000
Gulf Coast	TX	Franklin	227.656	227.705	0.0489	TX603	Duffern fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.042
Gulf Coast	TX	Franklin	227.705	227.899	0.1939	TX603	Duffern fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.145
Gulf Coast	TX	Franklin	227.899	228.149	0.2505	TX603	Duffern fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.213
Gulf Coast	TX	Franklin	228.149	228.193	0.0436	TX603	Darco loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.035	0.000	0.000	0.035
Gulf Coast	TX	Franklin	228.193	228.292	0.0989	TX603	Iuka fine sandy loam, frequently flooded	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000
Gulf Coast	TX	Franklin	228.292	228.462	0.1700	TX603	Duffern fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.145
Gulf Coast	TX	Franklin	228.462	228.841	0.3793	TX603	Darco loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.303	0.000	0.000	0.303
Gulf Coast	TX	Franklin	228.841	229.114	0.2733	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.232	0.000	0.000	0.000	0.232	0.000	0.232	0.000
Gulf Coast	TX	Franklin	229.114	229.189	0.0744	TX603	Kirvin soils, graded, 2 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.060	0.000	0.060	0.000
Gulf Coast	TX	Franklin	229.189	229.731	0.5422	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.461	0.000	0.000	0.000	0.461	0.000	0.461	0.000
Gulf Coast	TX	Franklin	229.731	229.974	0.2429	TX603	Nahatche loam silty clay loam, frequently flooded	0.000	0.000	0.000	0.000	0.194	0.194	0.000	0.000	0.000
Gulf Coast	TX	Franklin	229.974	230.156	0.1823	TX603	Lilbert loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.146	0.000	0.000	0.146
Gulf Coast	TX	Franklin	230.156	230.223	0.0672	TX603	Duffern fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.057
Gulf Coast	TX	Franklin	230.223	230.478	0.2546	TX603	Darco loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.204	0.000	0.000	0.204
Gulf Coast	TX	Franklin	230.478	230.540	0.0624	TX603	Lilbert loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.050
Gulf Coast	TX	Franklin	230.540	230.637	0.0974	TX603	Briley loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.083	0.000	0.000	0.083
Gulf Coast	TX	Franklin	230.637	230.784	0.1462	TX603	Kirvin gravelly fine sandy loam, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.124	0.124	0.124	0.000
Gulf Coast	TX	Franklin	230.784	230.902	0.1187	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.101	0.000	0.000	0.000	0.101	0.000	0.101	0.000
Gulf Coast	TX	Franklin	230.902	231.086	0.1838	TX603	Iuka fine sandy loam, frequently flooded	0.000	0.000	0.000	0.000	0.018	0.018	0.000	0.000	0.000
Gulf Coast	TX	Franklin	231.086	231.132	0.0460	TX603	Kirvin soils, graded, 2 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.037	0.000	0.037	0.000
Gulf Coast	TX	Franklin	231.132	231.267	0.1346	TX603	Iuka fine sandy loam, frequently flooded	0.000	0.000	0.000	0.000	0.013	0.013	0.000	0.000	0.000
Gulf Coast	TX	Franklin	231.267	231.495	0.2288	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.194	0.000	0.000	0.000	0.194	0.000	0.194	0.000
Gulf Coast	TX	Franklin	231.495	231.664	0.1686	TX603	Bowie fine sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.169	0.000	0.135	0.000	0.000	0.000
Gulf Coast	TX	Franklin	231.664	231.953	0.2888	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.245	0.000	0.000	0.000	0.245	0.000	0.245	0.000
Gulf Coast	TX	Franklin	231.953	232.153	0.2006	TX603	Nahatche loam silty clay loam, frequently flooded	0.000	0.000	0.000	0.000	0.160	0.160	0.000	0.000	0.000
Gulf Coast	TX	Franklin	232.153	232.287	0.1338	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.114	0.000	0.000	0.000	0.114	0.000	0.114	0.000
Gulf Coast	TX	Franklin	232.287	232.363	0.0760	TX603	Nahatche loam silty clay loam, frequently flooded	0.000	0.000	0.000	0.000	0.061	0.061	0.000	0.000	0.000
Gulf Coast	TX	Franklin	232.363	232.420	0.0565	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.048	0.000	0.000	0.000	0.048	0.000	0.048	0.000
Gulf Coast	TX	Franklin	232.420	232.469	0.0497	TX603	Nahatche loam silty clay loam, frequently flooded	0.000	0.000	0.000	0.000	0.040	0.040	0.000	0.000	0.000
Gulf Coast	TX	Franklin	232.469	232.511	0.0412	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.035	0.000	0.000	0.000	0.035	0.000	0.035	0.000
Gulf Coast	TX	Franklin	232.511	232.682	0.1714	TX603	Kullit very fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.171	0.000	0.146	0.000	0.000	0.000
Gulf Coast	TX	Wood	232.682	232.799	0.1169	TX499	Kullit very fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.117	0.000	0.099	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Wood	232.799	232.985	0.1857	TX499	Kirvin gravelly fine sandy loam, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.149	0.149	0.149	0.000
Gulf Coast	TX	Wood	232.985	233.164	0.1798	TX499	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.180	0.000	0.144	0.000	0.000	0.000
Gulf Coast	TX	Wood	233.164	233.191	0.0266	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.021	0.000	0.000	0.000	0.021	0.000	0.021	0.000
Gulf Coast	TX	Wood	233.191	233.414	0.2232	TX499	Gallime fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.223	0.000	0.190	0.000	0.000	0.000
Gulf Coast	TX	Wood	233.414	233.641	0.2271	TX499	Manco loam, frequently flooded	0.000	0.000	0.000	0.000	0.159	0.159	0.000	0.000	0.000
Gulf Coast	TX	Wood	233.641	233.922	0.2810	TX499	Cuthbert gravelly fine sandy loam, 8 to 25 percent slopes	0.000	0.225	0.000	0.000	0.000	0.225	0.225	0.225	0.000
Gulf Coast	TX	Wood	233.922	233.994	0.0716	TX499	Iulus fine sandy loam, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.057	0.000	0.000	0.000
Gulf Coast	TX	Wood	233.994	234.062	0.0680	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.054	0.000	0.000	0.000	0.054	0.000	0.054	0.000
Gulf Coast	TX	Wood	234.062	234.179	0.1175	TX499	Kullit very fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.118	0.000	0.100	0.000	0.000	0.000
Gulf Coast	TX	Wood	234.179	234.390	0.2103	TX499	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.210	0.000	0.168	0.000	0.000	0.000
Gulf Coast	TX	Wood	234.390	234.500	0.1101	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.088	0.000	0.000	0.000	0.088	0.000	0.088	0.000
Gulf Coast	TX	Wood	234.500	234.570	0.0703	TX499	Kirvin very fine sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.056	0.000	0.056	0.000
Gulf Coast	TX	Wood	234.570	234.766	0.1964	TX499	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.196	0.000	0.157	0.000	0.000	0.000
Gulf Coast	TX	Wood	234.766	234.860	0.0934	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.075	0.000	0.000	0.000	0.075	0.000	0.075	0.000
Gulf Coast	TX	Wood	234.860	234.953	0.0928	TX499	Manco loam, frequently flooded	0.000	0.000	0.000	0.000	0.065	0.065	0.000	0.000	0.000
Gulf Coast	TX	Wood	234.953	235.051	0.0979	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.078	0.000	0.000	0.000	0.078	0.000	0.078	0.000
Gulf Coast	TX	Wood	235.051	235.151	0.1006	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.080	0.000	0.000	0.080
Gulf Coast	TX	Wood	235.151	235.210	0.0593	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.047	0.000	0.000	0.000	0.047	0.000	0.047	0.000
Gulf Coast	TX	Wood	235.210	235.265	0.0550	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.044	0.000	0.000	0.044
Gulf Coast	TX	Wood	235.265	235.327	0.0616	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.049	0.000	0.000	0.000	0.049	0.000	0.049	0.000
Gulf Coast	TX	Wood	235.327	235.674	0.3466	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.277	0.000	0.000	0.277
Gulf Coast	TX	Wood	235.674	235.884	0.2100	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.168	0.000	0.000	0.168
Gulf Coast	TX	Wood	235.884	235.954	0.0701	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.056	0.000	0.000	0.056
Gulf Coast	TX	Wood	235.954	236.051	0.0974	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.078	0.000	0.000	0.000	0.078	0.000	0.078	0.000
Gulf Coast	TX	Wood	236.051	236.109	0.0575	TX499	Iulus fine sandy loam, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000
Gulf Coast	TX	Wood	236.109	236.173	0.0647	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.052	0.000	0.000	0.000	0.052	0.000	0.052	0.000
Gulf Coast	TX	Wood	236.173	236.246	0.0726	TX499	Tenaha loamy fine sand, 8 to 20 percent slopes	0.000	0.058	0.000	0.000	0.000	0.058	0.000	0.058	0.058
Gulf Coast	TX	Wood	236.246	236.316	0.0706	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.056	0.000	0.000	0.056
Gulf Coast	TX	Wood	236.316	236.447	0.1310	TX499	Tenaha loamy fine sand, 8 to 20 percent slopes	0.000	0.105	0.000	0.000	0.000	0.105	0.000	0.105	0.105
Gulf Coast	TX	Wood	236.447	236.625	0.1780	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.142	0.000	0.000	0.142
Gulf Coast	TX	Wood	236.625	236.700	0.0748	TX499	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.075	0.000	0.060	0.000	0.000	0.000
Gulf Coast	TX	Wood	236.700	236.835	0.1348	TX499	Cuthbert gravelly fine sandy loam, 8 to 25 percent slopes	0.000	0.108	0.000	0.000	0.000	0.108	0.108	0.108	0.000
Gulf Coast	TX	Wood	236.835	237.302	0.4672	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.374	0.000	0.000	0.374
Gulf Coast	TX	Wood	237.302	237.360	0.0574	TX499	Kirvin gravelly fine sandy loam, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.046	0.046	0.046	0.000
Gulf Coast	TX	Wood	237.360	237.436	0.0764	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.061	0.000	0.000	0.061
Gulf Coast	TX	Wood	237.436	237.649	0.2130	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.170	0.000	0.000	0.000	0.170	0.000	0.170	0.000
Gulf Coast	TX	Wood	237.649	237.780	0.1307	TX499	Kirvin very fine sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.105	0.000	0.105	0.000
Gulf Coast	TX	Wood	237.780	237.945	0.1656	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.132	0.000	0.000	0.000	0.132	0.000	0.132	0.000
Gulf Coast	TX	Wood	237.945	238.601	0.6557	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.525	0.000	0.000	0.525
Gulf Coast	TX	Wood	238.601	238.882	0.2812	TX499	Tenaha loamy fine sand, 8 to 20 percent slopes	0.000	0.225	0.000	0.000	0.000	0.225	0.000	0.225	0.225
Gulf Coast	TX	Wood	238.882	239.013	0.1308	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.105	0.000	0.000	0.000	0.105	0.000	0.105	0.000
Gulf Coast	TX	Wood	239.013	239.064	0.0511	TX499	Manco loam, frequently flooded	0.000	0.000	0.000	0.000	0.036	0.036	0.000	0.000	0.000
Gulf Coast	TX	Wood	239.064	239.125	0.0612	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.049	0.000	0.000	0.000	0.049	0.000	0.049	0.000
Gulf Coast	TX	Wood	239.125	239.553	0.4278	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.342	0.000	0.000	0.342
Gulf Coast	TX	Wood	239.553	239.624	0.0705	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.056	0.000	0.000	0.056
Gulf Coast	TX	Wood	239.624	239.690	0.0665	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.053	0.000	0.000	0.000	0.053	0.000	0.053	0.000
Gulf Coast	TX	Wood	239.690	239.900	0.2099	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.168	0.000	0.000	0.168
Gulf Coast	TX	Wood	239.900	240.009	0.1087	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.087	0.000	0.000	0.087
Gulf Coast	TX	Wood	240.009	240.130	0.1214	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.097	0.000	0.000	0.097
Gulf Coast	TX	Wood	240.130	240.592	0.4616	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.369	0.000	0.000	0.369
Gulf Coast	TX	Wood	240.592	240.800	0.2085	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.167	0.000	0.000	0.167
Gulf Coast	TX	Wood	240.800	241.224	0.4238	TX499	Bibb fine sandy loam, frequently flooded	0.000	0.000	0.000	0.000	0.339	0.000	0.339	0.000	0.000
Gulf Coast	TX	Wood	241.224	241.538	0.3143	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.251	0.000	0.000	0.251
Gulf Coast	TX	Wood	241.538	241.616	0.0774	TX499	Bibb fine sandy loam, frequently flooded	0.000	0.000	0.000	0.000	0.062	0.000	0.062	0.000	0.000
Gulf Coast	TX	Wood	241.616	241.670	0.0539	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.043	0.000	0.000	0.043
Gulf Coast	TX	Wood	241.670	241.835	0.1653	TX499	Duffern sand, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.132
Gulf Coast	TX	Wood	241.835	242.010	0.1755	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.140	0.000	0.000	0.140

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Wood	242.010	242.069	0.0582	TX499	Bibb fine sandy loam, frequently flooded	0.000	0.000	0.000	0.000	0.047	0.000	0.047	0.000	0.000
Gulf Coast	TX	Wood	242.069	242.118	0.0497	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.040	0.000	0.000	0.040
Gulf Coast	TX	Wood	242.118	242.284	0.1654	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.132	0.000	0.000	0.132
Gulf Coast	TX	Wood	242.284	242.298	0.0141	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.000	0.011
Gulf Coast	TX	Wood	242.298	242.648	0.3504	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.280	0.000	0.000	0.280
Gulf Coast	TX	Wood	242.648	242.658	0.0095	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.008
Gulf Coast	TX	Wood	242.658	243.045	0.3873	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.310	0.000	0.000	0.310
Gulf Coast	TX	Wood	243.045	243.204	0.1587	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.127	0.000	0.000	0.127
Gulf Coast	TX	Wood	243.204	243.273	0.0696	TX499	Bibb fine sandy loam, frequently flooded	0.000	0.000	0.000	0.000	0.056	0.000	0.056	0.000	0.000
Gulf Coast	TX	Wood	243.273	243.339	0.0657	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.053	0.000	0.000	0.053
Gulf Coast	TX	Wood	243.339	243.567	0.2283	TX499	Duffern sand, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.183
Gulf Coast	TX	Wood	243.567	244.042	0.4751	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.380	0.000	0.000	0.380
Gulf Coast	TX	Wood	244.042	244.184	0.1418	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.113	0.000	0.000	0.113
Gulf Coast	TX	Wood	244.184	244.244	0.0593	TX499	Bibb fine sandy loam, frequently flooded	0.000	0.000	0.000	0.000	0.047	0.000	0.047	0.000	0.000
Gulf Coast	TX	Wood	244.244	244.381	0.1378	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.110	0.000	0.000	0.110
Gulf Coast	TX	Wood	244.381	244.655	0.2738	TX499	Duffern sand, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.219
Gulf Coast	TX	Wood	244.655	245.129	0.4735	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.379	0.000	0.000	0.379
Gulf Coast	TX	Wood	245.129	245.622	0.4931	TX499	Duffern sand, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.394
Gulf Coast	TX	Wood	245.622	246.021	0.3990	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.319	0.000	0.000	0.319
Gulf Coast	TX	Wood	246.021	246.665	0.6441	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.515	0.000	0.000	0.515
Gulf Coast	TX	Wood	246.665	246.730	0.0651	TX499	Duffern sand, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.052
Gulf Coast	TX	Wood	246.730	246.927	0.1973	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.158	0.000	0.000	0.158
Gulf Coast	TX	Wood	246.927	247.246	0.3186	TX499	Duffern sand, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.255
Gulf Coast	TX	Wood	247.246	247.428	0.1818	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.145	0.000	0.000	0.145
Gulf Coast	TX	Wood	247.428	247.862	0.4344	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.348	0.000	0.000	0.348
Gulf Coast	TX	Wood	247.862	247.906	0.0437	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.035	0.000	0.000	0.035
Gulf Coast	TX	Wood	247.906	247.946	0.0402	TX499	Bibb fine sandy loam, frequently flooded	0.000	0.000	0.000	0.000	0.032	0.000	0.032	0.000	0.000
Gulf Coast	TX	Wood	247.946	248.040	0.0937	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.075	0.000	0.000	0.075
Gulf Coast	TX	Wood	248.040	248.223	0.1835	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.147	0.000	0.000	0.147
Gulf Coast	TX	Wood	248.223	248.305	0.0817	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.065	0.000	0.000	0.065
Gulf Coast	TX	Wood	248.305	248.570	0.2654	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.212	0.000	0.000	0.212
Gulf Coast	TX	Wood	248.570	248.706	0.1360	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.109	0.000	0.000	0.109
Gulf Coast	TX	Wood	248.706	248.977	0.2704	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.216	0.000	0.000	0.216
Gulf Coast	TX	Wood	248.977	249.070	0.0934	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.075	0.000	0.000	0.075
Gulf Coast	TX	Wood	249.070	249.219	0.1485	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.119	0.000	0.000	0.119
Gulf Coast	TX	Wood	249.219	249.272	0.0532	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.043	0.000	0.000	0.043
Gulf Coast	TX	Wood	249.272	249.371	0.0995	TX499	Manco loam, frequently flooded	0.000	0.000	0.000	0.000	0.070	0.070	0.000	0.000	0.000
Gulf Coast	TX	Wood	249.371	249.435	0.0639	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.051	0.000	0.000	0.000	0.051	0.000	0.051	0.000
Gulf Coast	TX	Wood	249.435	249.516	0.0804	TX499	Kirvin gravelly fine sandy loam, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.064	0.064	0.064	0.000
Gulf Coast	TX	Wood	249.516	249.587	0.0717	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.057	0.000	0.000	0.000	0.057	0.000	0.057	0.000
Gulf Coast	TX	Wood	249.587	249.629	0.0416	TX499	Manco loam, frequently flooded	0.000	0.000	0.000	0.000	0.029	0.029	0.000	0.000	0.000
Gulf Coast	TX	Wood	249.629	249.683	0.0543	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.043	0.000	0.000	0.000	0.043	0.000	0.043	0.000
Gulf Coast	TX	Wood	249.683	249.945	0.2622	TX499	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.262	0.000	0.210	0.000	0.000	0.000
Gulf Coast	TX	Wood	249.945	250.474	0.5290	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.423	0.000	0.000	0.423
Gulf Coast	TX	Wood	250.474	250.592	0.1181	TX499	Duffern sand, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.094
Gulf Coast	TX	Wood	250.592	250.993	0.4003	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.320	0.000	0.000	0.320
Gulf Coast	TX	Wood	250.993	251.049	0.0563	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.045	0.000	0.000	0.045
Gulf Coast	TX	Wood	251.049	251.195	0.1456	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.116	0.000	0.000	0.116
Gulf Coast	TX	Wood	251.195	251.399	0.2040	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.163	0.000	0.000	0.163
Gulf Coast	TX	Wood	251.399	251.527	0.1287	TX499	Duffern sand, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.103
Gulf Coast	TX	Wood	251.527	251.917	0.3896	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.312	0.000	0.000	0.312
Gulf Coast	TX	Wood	251.917	252.143	0.2257	TX499	Tenaha loamy fine sand, 8 to 20 percent slopes	0.000	0.181	0.000	0.000	0.000	0.181	0.000	0.181	0.181
Gulf Coast	TX	Wood	252.143	252.188	0.0458	TX499	Redsprings very gravelly fine sandy loam, 8 to 25 percent slopes	0.000	0.037	0.000	0.000	0.000	0.037	0.037	0.037	0.000
Gulf Coast	TX	Wood	252.188	252.291	0.1031	TX499	Iulus fine sandy loam, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.082	0.000	0.000	0.000
Gulf Coast	TX	Wood	252.291	252.538	0.2462	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.197	0.000	0.000	0.197
Gulf Coast	TX	Wood	252.538	253.458	0.9203	TX499	Duffern sand, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.736
Gulf Coast	TX	Wood	253.458	253.640	0.1820	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.146	0.000	0.000	0.146

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Wood	253.640	253.691	0.0507	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.041	0.000	0.000	0.041
Gulf Coast	TX	Wood	253.691	253.769	0.0786	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.063	0.000	0.000	0.063
Gulf Coast	TX	Wood	253.769	253.875	0.1058	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.085	0.000	0.000	0.085
Gulf Coast	TX	Wood	253.875	253.974	0.0994	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.080	0.000	0.000	0.080
Gulf Coast	TX	Wood	253.974	254.146	0.1712	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.137	0.000	0.000	0.137
Gulf Coast	TX	Wood	254.146	254.291	0.1454	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.116	0.000	0.000	0.116
Gulf Coast	TX	Wood	254.291	254.528	0.2366	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.189	0.000	0.000	0.189
Gulf Coast	TX	Wood	254.528	255.185	0.6571	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.526	0.000	0.000	0.526
Gulf Coast	TX	Wood	255.185	255.287	0.1019	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.081	0.000	0.000	0.081
Gulf Coast	TX	Wood	255.287	255.393	0.1064	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.085	0.000	0.000	0.085
Gulf Coast	TX	Wood	255.393	255.504	0.1112	TX499	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.089	0.000	0.000	0.089
Gulf Coast	TX	Wood	255.504	255.743	0.2390	TX499	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.191	0.000	0.000	0.191
Gulf Coast	TX	Upshur	255.743	255.821	0.0776	TX608	Darco fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.062	0.000	0.000	0.062
Gulf Coast	TX	Upshur	255.821	255.980	0.1588	TX608	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.127	0.000	0.000	0.127
Gulf Coast	TX	Upshur	255.980	256.223	0.2433	TX608	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.207	0.207	0.000	0.000	0.000
Gulf Coast	TX	Upshur	256.223	256.347	0.1239	TX608	Bienville loamy fine sand, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.099
Gulf Coast	TX	Wood	256.347	256.358	0.0113	TX499	Hainesville loamy fine sand, 0 to 2 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009
Gulf Coast	TX	Wood	256.358	256.516	0.1578	TX499	Manco loam, frequently flooded	0.000	0.000	0.000	0.000	0.110	0.110	0.000	0.000	0.000
Gulf Coast	TX	Wood	256.516	256.656	0.1405	TX499	Gallime fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.140	0.000	0.119	0.000	0.000	0.000
Gulf Coast	TX	Wood	256.656	256.701	0.0446	TX499	Manco loam, frequently flooded	0.000	0.000	0.000	0.000	0.031	0.031	0.000	0.000	0.000
Gulf Coast	TX	Wood	256.701	256.965	0.2638	TX499	Gallime fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.264	0.000	0.224	0.000	0.000	0.000
Gulf Coast	TX	Wood	256.965	257.133	0.1688	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.135	0.000	0.000	0.135
Gulf Coast	TX	Wood	257.133	257.382	0.2486	TX499	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.249	0.000	0.199	0.000	0.000	0.000
Gulf Coast	TX	Upshur	257.382	257.513	0.1306	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.131	0.000	0.104	0.000	0.000	0.000
Gulf Coast	TX	Upshur	257.513	257.600	0.0869	TX608	Sacul fine sandy loam, 5 to 12 percent slopes	0.000	0.070	0.000	0.000	0.000	0.070	0.000	0.000	0.070
Gulf Coast	TX	Upshur	257.600	257.763	0.1634	TX608	Briley loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.139	0.000	0.000	0.139
Gulf Coast	TX	Upshur	257.763	257.871	0.1085	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.109	0.000	0.087	0.000	0.000	0.000
Gulf Coast	TX	Upshur	257.871	257.953	0.0819	TX608	Sacul fine sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.070	0.000	0.000	0.070
Gulf Coast	TX	Upshur	257.953	258.443	0.4897	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.490	0.000	0.392	0.000	0.000	0.000
Gulf Coast	TX	Upshur	258.443	258.525	0.0821	TX608	Wrightsville-Raino complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.049	0.074	0.000	0.000	0.000
Gulf Coast	TX	Upshur	258.525	259.103	0.5777	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.578	0.000	0.462	0.000	0.000	0.000
Gulf Coast	TX	Upshur	259.103	259.155	0.0521	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.042	0.000	0.000	0.000	0.042	0.000	0.042	0.000
Gulf Coast	TX	Upshur	259.155	259.276	0.1207	TX608	Darco fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.097	0.000	0.000	0.097
Gulf Coast	TX	Upshur	259.276	259.283	0.0078	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.006	0.000	0.000	0.000	0.006	0.000	0.006	0.000
Gulf Coast	TX	Upshur	259.283	259.465	0.1810	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.181	0.000	0.145	0.000	0.000	0.000
Gulf Coast	TX	Upshur	259.465	259.590	0.1259	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.101	0.000	0.000	0.000	0.101	0.000	0.101	0.000
Gulf Coast	TX	Upshur	259.590	259.647	0.0571	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.057	0.000	0.046	0.000	0.000	0.000
Gulf Coast	TX	Upshur	259.647	259.699	0.0512	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.041	0.000	0.000	0.000	0.041	0.000	0.041	0.000
Gulf Coast	TX	Upshur	259.699	259.927	0.2281	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.228	0.000	0.182	0.000	0.000	0.000
Gulf Coast	TX	Upshur	259.927	260.106	0.1794	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.144	0.000	0.000	0.000	0.144	0.000	0.144	0.000
Gulf Coast	TX	Upshur	260.106	260.207	0.1007	TX608	Iuka fine sandy loam, frequently flooded	0.000	0.000	0.010	0.000	0.010	0.010	0.000	0.000	0.000
Gulf Coast	TX	Upshur	260.207	260.378	0.1711	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.137	0.000	0.000	0.000	0.137	0.000	0.137	0.000
Gulf Coast	TX	Upshur	260.378	260.404	0.0257	TX608	Sacul fine sandy loam, 5 to 12 percent slopes	0.000	0.021	0.000	0.000	0.000	0.021	0.000	0.000	0.021
Gulf Coast	TX	Upshur	260.404	260.461	0.0571	TX608	Estes clay, frequently flooded	0.000	0.000	0.049	0.000	0.049	0.049	0.000	0.000	0.000
Gulf Coast	TX	Upshur	260.461	260.493	0.0326	TX608	Sacul fine sandy loam, 5 to 12 percent slopes	0.000	0.026	0.000	0.000	0.000	0.026	0.000	0.000	0.026
Gulf Coast	TX	Upshur	260.493	260.733	0.2397	TX608	Tenaha loamy fine sand, 8 to 20 percent slopes	0.000	0.204	0.000	0.000	0.000	0.204	0.000	0.204	0.204
Gulf Coast	TX	Upshur	260.733	260.895	0.1618	TX608	Sacul fine sandy loam, 5 to 12 percent slopes	0.000	0.129	0.000	0.000	0.000	0.129	0.000	0.000	0.129
Gulf Coast	TX	Upshur	260.895	261.030	0.1350	TX608	Kullit very fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.135	0.000	0.122	0.000	0.000	0.000
Gulf Coast	TX	Upshur	261.030	261.179	0.1494	TX608	Sacul fine sandy loam, 5 to 12 percent slopes	0.000	0.120	0.000	0.000	0.000	0.120	0.000	0.000	0.120
Gulf Coast	TX	Upshur	261.179	261.440	0.2610	TX608	Kullit very fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.261	0.000	0.235	0.000	0.000	0.000
Gulf Coast	TX	Upshur	261.440	261.492	0.0517	TX608	Sacul fine sandy loam, 5 to 12 percent slopes	0.000	0.041	0.000	0.000	0.000	0.041	0.000	0.000	0.041
Gulf Coast	TX	Upshur	261.492	261.552	0.0603	TX608	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.051	0.051	0.000	0.000	0.000
Gulf Coast	TX	Upshur	261.552	261.618	0.0659	TX608	Latch-Mollville complex, 0 to 1 percent slopes	0.000	0.000	0.023	0.000	0.023	0.056	0.000	0.000	0.033
Gulf Coast	TX	Upshur	261.618	261.655	0.0369	TX608	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.031	0.031	0.000	0.000	0.000
Gulf Coast	TX	Upshur	261.655	261.738	0.0831	TX608	Latch-Mollville complex, 0 to 1 percent slopes	0.000	0.000	0.029	0.000	0.029	0.071	0.000	0.000	0.042
Gulf Coast	TX	Upshur	261.738	262.743	1.0051	TX608	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.854	0.854	0.000	0.000	0.000
Gulf Coast	TX	Smith	262.743	262.779	0.0356	TX423	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.025	0.025	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Smith	262.779	262.971	0.1925	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.154	0.000	0.000	0.000	0.154	0.000	0.154	0.000
Gulf Coast	TX	Smith	262.971	263.309	0.3374	TX423	Oakwood fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.337	0.000	0.270	0.000	0.000	0.000
Gulf Coast	TX	Smith	263.309	263.334	0.0251	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.020	0.000	0.000	0.000	0.020	0.000	0.020	0.000
Gulf Coast	TX	Smith	263.334	263.413	0.0788	TX423	Oakwood fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.079	0.000	0.063	0.000	0.000	0.000
Gulf Coast	TX	Smith	263.413	263.535	0.1226	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.123	0.000	0.098	0.000	0.000	0.000
Gulf Coast	TX	Smith	263.535	263.642	0.1064	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.085	0.000	0.085	0.000
Gulf Coast	TX	Smith	263.642	263.770	0.1282	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.128	0.000	0.103	0.000	0.000	0.000
Gulf Coast	TX	Smith	263.770	263.902	0.1324	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.106	0.000	0.106	0.000
Gulf Coast	TX	Smith	263.902	264.163	0.2604	TX423	Redsprings very gravelly sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.195	0.195	0.195	0.000
Gulf Coast	TX	Smith	264.163	264.255	0.0922	TX423	Redsprings very gravelly sandy loam, 8 to 25 percent sl opes	0.000	0.078	0.000	0.000	0.000	0.078	0.078	0.078	0.000
Gulf Coast	TX	Smith	264.255	264.292	0.0376	TX423	Redsprings very gravelly sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.028	0.028	0.028	0.000
Gulf Coast	TX	Smith	264.292	264.308	0.0155	TX423	Redsprings very gravelly sandy loam, 8 to 25 percent sl opes	0.000	0.013	0.000	0.000	0.000	0.013	0.013	0.013	0.000
Gulf Coast	TX	Smith	264.308	264.343	0.0355	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.028	0.000	0.028	0.000
Gulf Coast	TX	Smith	264.343	264.455	0.1117	TX423	Redsprings very gravelly sandy loam, 8 to 25 percent sl opes	0.000	0.095	0.000	0.000	0.000	0.095	0.095	0.095	0.000
Gulf Coast	TX	Smith	264.455	264.610	0.1553	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.124	0.000	0.124	0.000
Gulf Coast	TX	Smith	264.610	264.865	0.2542	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.254	0.000	0.203	0.000	0.000	0.000
Gulf Coast	TX	Smith	264.865	265.187	0.3226	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	0.000	0.258	0.000	0.000	0.000	0.258	0.258	0.258	0.000
Gulf Coast	TX	Smith	265.187	265.303	0.1162	TX423	Redsprings very gravelly sandy loam, 8 to 25 percent sl opes	0.000	0.099	0.000	0.000	0.000	0.099	0.099	0.099	0.000
Gulf Coast	TX	Smith	265.303	265.343	0.0399	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	0.000	0.032	0.000	0.000	0.000	0.032	0.032	0.032	0.000
Gulf Coast	TX	Smith	265.343	265.507	0.1640	TX423	Kirvin gravelly fine sandy loam, 2 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.131	0.131	0.131	0.000
Gulf Coast	TX	Smith	265.507	265.661	0.1535	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.123	0.000	0.123	0.000
Gulf Coast	TX	Smith	265.661	265.862	0.2014	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.201	0.000	0.161	0.000	0.000	0.000
Gulf Coast	TX	Smith	265.862	266.111	0.2490	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.199	0.000	0.199	0.000
Gulf Coast	TX	Smith	266.111	266.201	0.0898	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.072	0.000	0.000	0.000	0.072	0.000	0.072	0.000
Gulf Coast	TX	Smith	266.201	266.616	0.4149	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.415	0.000	0.332	0.000	0.000	0.000
Gulf Coast	TX	Smith	266.616	266.794	0.1784	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.143	0.000	0.000	0.000	0.143	0.000	0.143	0.000
Gulf Coast	TX	Smith	266.794	266.838	0.0440	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.044	0.000	0.035	0.000	0.000	0.000
Gulf Coast	TX	Smith	266.838	266.921	0.0827	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.083	0.000	0.070	0.000	0.000	0.000
Gulf Coast	TX	Smith	266.921	267.109	0.1880	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.188	0.000	0.150	0.000	0.000	0.000
Gulf Coast	TX	Smith	267.109	267.169	0.0604	TX423	Owentown loamy fine sand, occasionally flooded	0.000	0.000	0.000	0.060	0.000	0.000	0.000	0.000	0.048
Gulf Coast	TX	Smith	267.169	267.208	0.0384	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.031	0.000	0.000	0.000	0.031	0.000	0.031	0.000
Gulf Coast	TX	Smith	267.208	267.603	0.3948	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.395	0.000	0.316	0.000	0.000	0.000
Gulf Coast	TX	Smith	267.603	267.723	0.1206	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.097	0.000	0.000	0.000	0.097	0.000	0.097	0.000
Gulf Coast	TX	Smith	267.723	267.864	0.1403	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.140	0.000	0.119	0.000	0.000	0.000
Gulf Coast	TX	Smith	267.864	267.888	0.0243	TX423	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.017	0.017	0.000	0.000	0.000
Gulf Coast	TX	Smith	267.888	267.997	0.1094	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.109	0.000	0.093	0.000	0.000	0.000
Gulf Coast	TX	Smith	267.997	268.017	0.0201	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.020	0.000	0.016	0.000	0.000	0.000
Gulf Coast	TX	Smith	268.017	268.274	0.2562	TX423	Owentown loamy fine sand, occasionally flooded	0.000	0.000	0.000	0.256	0.000	0.000	0.000	0.000	0.205
Gulf Coast	TX	Smith	268.274	268.488	0.2145	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.172	0.000	0.000	0.000	0.172	0.000	0.172	0.000
Gulf Coast	TX	Smith	268.488	268.560	0.0724	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.072	0.000	0.058	0.000	0.000	0.000
Gulf Coast	TX	Smith	268.560	268.703	0.1422	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.114	0.000	0.000	0.000	0.114	0.000	0.114	0.000
Gulf Coast	TX	Smith	268.703	268.941	0.2384	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.238	0.000	0.191	0.000	0.000	0.000
Gulf Coast	TX	Smith	268.941	269.100	0.1585	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.127	0.000	0.000	0.000	0.127	0.000	0.127	0.000
Gulf Coast	TX	Smith	269.100	269.154	0.0544	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.054	0.000	0.044	0.000	0.000	0.000
Gulf Coast	TX	Smith	269.154	269.335	0.1810	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.145	0.000	0.145	0.000
Gulf Coast	TX	Smith	269.335	269.413	0.0781	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.062	0.000	0.000	0.000	0.062	0.000	0.062	0.000
Gulf Coast	TX	Smith	269.413	269.481	0.0681	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.054	0.000	0.000	0.054
Gulf Coast	TX	Smith	269.481	269.575	0.0935	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.075	0.000	0.000	0.000	0.075	0.000	0.075	0.000
Gulf Coast	TX	Smith	269.575	269.615	0.0405	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.000	0.032	0.000	0.000	0.000	0.032	0.000	0.032	0.032
Gulf Coast	TX	Smith	269.615	269.659	0.0435	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.035	0.000	0.000	0.035
Gulf Coast	TX	Smith	269.659	269.815	0.1564	TX423	Darco loamy fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.125	0.000	0.000	0.125
Gulf Coast	TX	Smith	269.815	270.075	0.2597	TX423	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.182	0.182	0.000	0.000	0.000
Gulf Coast	TX	Smith	270.075	270.141	0.0665	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.053	0.000	0.000	0.000	0.053	0.000	0.053	0.000
Gulf Coast	TX	Smith	270.141	270.343	0.2018	TX423	Darco loamy fine sand, 8 to 15 percent slopes	0.000	0.000	0.000	0.000	0.000	0.161	0.000	0.000	0.161
Gulf Coast	TX	Smith	270.343	270.515	0.1720	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.138	0.000	0.000	0.000	0.138	0.000	0.138	0.000
Gulf Coast	TX	Smith	270.515	270.597	0.0818	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.082	0.000	0.065	0.000	0.000	0.000
Gulf Coast	TX	Smith	270.597	270.709	0.1122	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.090	0.000	0.090	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Smith	270.709	270.866	0.1572	TX423	Sacul very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.134	0.000	0.134	0.134
Gulf Coast	TX	Smith	270.866	270.927	0.0604	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.048
Gulf Coast	TX	Smith	270.927	271.064	0.1379	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.110	0.000	0.110	0.000
Gulf Coast	TX	Smith	271.064	271.170	0.1054	TX423	Bowie fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.090	0.000	0.000	0.000
Gulf Coast	TX	Smith	271.170	271.310	0.1404	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.140	0.000	0.112	0.000	0.000	0.000
Gulf Coast	TX	Smith	271.310	271.325	0.0152	TX423	Bowie fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.013	0.000	0.000	0.000
Gulf Coast	TX	Smith	271.325	271.375	0.0493	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.039	0.000	0.000	0.000	0.039	0.000	0.039	0.000
Gulf Coast	TX	Smith	271.375	271.436	0.0609	TX423	Bowie fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.052	0.000	0.000	0.000
Gulf Coast	TX	Smith	271.436	271.479	0.0434	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.043	0.000	0.035	0.000	0.000	0.000
Gulf Coast	TX	Smith	271.479	271.580	0.1013	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.081	0.000	0.000	0.081
Gulf Coast	TX	Smith	271.580	271.990	0.4099	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.410	0.000	0.328	0.000	0.000	0.000
Gulf Coast	TX	Smith	271.990	272.209	0.2190	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.175	0.000	0.000	0.175
Gulf Coast	TX	Smith	272.209	272.312	0.1032	TX423	Bowie fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.088	0.000	0.000	0.000
Gulf Coast	TX	Smith	272.312	272.328	0.0153	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.000	0.012	0.000	0.000	0.000	0.012	0.000	0.012	0.012
Gulf Coast	TX	Smith	272.328	272.624	0.2960	TX423	Darco loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.237	0.000	0.000	0.237
Gulf Coast	TX	Smith	272.624	272.688	0.0644	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.051	0.000	0.000	0.051
Gulf Coast	TX	Smith	272.688	272.829	0.1407	TX423	Owentown loamy fine sand, occasionally flooded	0.000	0.000	0.000	0.141	0.000	0.000	0.000	0.000	0.113
Gulf Coast	TX	Smith	272.829	272.965	0.1360	TX423	Derly-Besner complex, 0 to 1 percent slopes	0.000	0.000	0.068	0.000	0.068	0.122	0.000	0.000	0.000
Gulf Coast	TX	Smith	272.965	273.032	0.0672	TX423	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.047	0.047	0.000	0.000	0.000
Gulf Coast	TX	Smith	273.032	273.251	0.2184	TX423	Derly-Besner complex, 0 to 1 percent slopes	0.000	0.000	0.109	0.000	0.109	0.197	0.000	0.000	0.000
Gulf Coast	TX	Smith	273.251	273.412	0.1615	TX423	Leagueville loamy fine sand, 0 to 5 percent slopes	0.000	0.000	0.000	0.000	0.129	0.129	0.000	0.000	0.000
Gulf Coast	TX	Smith	273.412	274.276	0.8641	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.691	0.000	0.000	0.691
Gulf Coast	TX	Smith	274.276	274.431	0.1545	TX423	Bowie fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.131	0.000	0.000	0.000
Gulf Coast	TX	Smith	274.431	274.582	0.1516	TX423	Darco loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.121	0.000	0.000	0.121
Gulf Coast	TX	Smith	274.582	274.599	0.0167	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.017	0.000	0.014	0.000	0.000	0.000
Gulf Coast	TX	Smith	274.599	274.684	0.0854	TX423	Darco loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.068	0.000	0.000	0.068
Gulf Coast	TX	Smith	274.684	274.765	0.0810	TX423	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.057	0.057	0.000	0.000	0.000
Gulf Coast	TX	Smith	274.765	274.788	0.0224	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.018	0.000	0.000	0.018
Gulf Coast	TX	Smith	274.788	274.932	0.1438	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.115	0.000	0.000	0.000	0.115	0.000	0.115	0.000
Gulf Coast	TX	Smith	274.932	275.530	0.5986	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.479	0.000	0.000	0.479
Gulf Coast	TX	Smith	275.530	275.754	0.2235	TX423	Darco loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.179	0.000	0.000	0.179
Gulf Coast	TX	Smith	275.754	276.080	0.3263	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.261	0.000	0.000	0.261
Gulf Coast	TX	Smith	276.080	276.238	0.1578	TX423	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.110	0.110	0.000	0.000	0.000
Gulf Coast	TX	Smith	276.238	276.478	0.2407	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.193	0.000	0.000	0.193
Gulf Coast	TX	Smith	276.478	276.530	0.0522	TX423	Keechi loam, frequently flooded	0.000	0.000	0.000	0.000	0.039	0.000	0.000	0.000	0.000
Gulf Coast	TX	Smith	276.530	276.822	0.2910	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.233	0.000	0.000	0.233
Gulf Coast	TX	Smith	276.822	276.894	0.0728	TX423	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.051	0.051	0.000	0.000	0.000
Gulf Coast	TX	Smith	276.894	276.933	0.0390	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.031	0.000	0.031	0.000
Gulf Coast	TX	Smith	276.933	277.476	0.5423	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.434	0.000	0.000	0.434
Gulf Coast	TX	Smith	277.476	277.660	0.1844	TX423	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.129	0.129	0.000	0.000	0.000
Gulf Coast	TX	Smith	277.660	277.868	0.2078	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.166	0.000	0.000	0.166
Gulf Coast	TX	Smith	277.868	278.036	0.1686	TX423	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.118	0.118	0.000	0.000	0.000
Gulf Coast	TX	Smith	278.036	278.789	0.7529	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.602	0.000	0.000	0.602
Gulf Coast	TX	Smith	278.789	278.843	0.0533	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.043	0.000	0.000	0.000	0.043	0.000	0.043	0.000
Gulf Coast	TX	Smith	278.843	279.145	0.3025	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.242	0.000	0.000	0.242
Gulf Coast	TX	Smith	279.145	279.199	0.0544	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.043	0.000	0.043	0.000
Gulf Coast	TX	Smith	279.199	279.358	0.1580	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.126	0.000	0.000	0.000	0.126	0.000	0.126	0.000
Gulf Coast	TX	Smith	279.358	279.454	0.0964	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.096	0.000	0.077	0.000	0.000	0.000
Gulf Coast	TX	Smith	279.454	279.519	0.0650	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.052	0.000	0.000	0.052
Gulf Coast	TX	Smith	279.519	279.680	0.1614	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.129	0.000	0.129	0.000
Gulf Coast	TX	Smith	279.680	279.769	0.0889	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.089	0.000	0.071	0.000	0.000	0.000
Gulf Coast	TX	Smith	279.769	279.817	0.0478	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.038	0.000	0.000	0.038
Gulf Coast	TX	Smith	279.817	279.871	0.0536	TX423	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.038	0.038	0.000	0.000	0.000
Gulf Coast	TX	Smith	279.871	280.019	0.1486	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.119	0.000	0.000	0.119
Gulf Coast	TX	Smith	280.019	280.237	0.2175	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.174	0.000	0.000	0.000	0.174	0.000	0.174	0.000
Gulf Coast	TX	Smith	280.237	280.371	0.1339	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.107	0.000	0.107	0.000
Gulf Coast	TX	Smith	280.371	280.764	0.3932	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.315	0.000	0.000	0.315

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Smith	280.764	280.880	0.1160	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.000	0.093	0.000	0.000	0.000	0.093	0.000	0.093	0.093
Gulf Coast	TX	Smith	280.880	281.026	0.1464	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.117	0.000	0.000	0.117
Gulf Coast	TX	Smith	281.026	281.054	0.0279	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.000	0.022	0.000	0.000	0.000	0.022	0.000	0.022	0.022
Gulf Coast	TX	Smith	281.054	281.143	0.0889	TX423	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.062	0.062	0.000	0.000	0.000
Gulf Coast	TX	Smith	281.143	282.023	0.8800	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.704	0.000	0.000	0.704
Gulf Coast	TX	Smith	282.023	282.089	0.0658	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.053	0.000	0.000	0.000	0.053	0.000	0.053	0.000
Gulf Coast	TX	Smith	282.089	282.118	0.0293	TX423	Cuthbert and Redsprings soils, graded, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.026	0.026	0.026	0.000
Gulf Coast	TX	Smith	282.118	282.136	0.0179	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.014	0.000	0.000	0.000	0.014	0.000	0.014	0.000
Gulf Coast	TX	Smith	282.136	282.171	0.0348	TX423	Cuthbert and Redsprings soils, graded, 3 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.031	0.031	0.031	0.000
Gulf Coast	TX	Smith	282.171	282.227	0.0561	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.045	0.000	0.000	0.000	0.045	0.000	0.045	0.000
Gulf Coast	TX	Smith	282.227	282.462	0.2351	TX423	Bernaldo fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.235	0.000	0.188	0.000	0.000	0.000
Gulf Coast	TX	Smith	282.462	282.540	0.0776	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.078	0.000	0.066	0.000	0.000	0.000
Gulf Coast	TX	Smith	282.540	282.740	0.2004	TX423	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.140	0.140	0.000	0.000	0.000
Gulf Coast	TX	Smith	282.740	282.818	0.0781	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	0.000	0.062	0.000	0.000	0.000	0.062	0.062	0.062	0.000
Gulf Coast	TX	Smith	282.818	283.017	0.1988	TX423	Redsprings very gravelly sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.149	0.149	0.149	0.000
Gulf Coast	TX	Smith	283.017	283.526	0.5089	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.509	0.000	0.407	0.000	0.000	0.000
Gulf Coast	TX	Smith	283.526	283.728	0.2024	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.162	0.000	0.000	0.162
Gulf Coast	TX	Smith	283.728	283.744	0.0160	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.016	0.000	0.013	0.000	0.000	0.000
Gulf Coast	TX	Smith	283.744	283.788	0.0436	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	0.000	0.035	0.000	0.000	0.000	0.035	0.035	0.035	0.000
Gulf Coast	TX	Smith	283.788	283.860	0.0716	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.072	0.000	0.057	0.000	0.000	0.000
Gulf Coast	TX	Smith	283.860	283.901	0.0413	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.000	0.033	0.000	0.000	0.000	0.033	0.000	0.033	0.033
Gulf Coast	TX	Smith	283.901	284.113	0.2121	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.170	0.000	0.000	0.170
Gulf Coast	TX	Smith	284.113	284.261	0.1484	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.148	0.000	0.126	0.000	0.000	0.000
Gulf Coast	TX	Smith	284.261	284.337	0.0760	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.061	0.000	0.061	0.000
Gulf Coast	TX	Smith	284.337	285.779	1.4414	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	1.153	0.000	0.000	1.153
Gulf Coast	TX	Smith	285.779	285.813	0.0338	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.000	0.027	0.000	0.000	0.000	0.027	0.000	0.027	0.027
Gulf Coast	TX	Smith	285.813	285.876	0.0635	TX423	Leagueville loamy fine sand, 0 to 5 percent slopes	0.000	0.000	0.000	0.000	0.051	0.051	0.000	0.000	0.000
Gulf Coast	TX	Smith	285.876	285.958	0.0825	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.000	0.066	0.000	0.000	0.000	0.066	0.000	0.066	0.066
Gulf Coast	TX	Smith	285.958	286.228	0.2698	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.270	0.000	0.216	0.000	0.000	0.000
Gulf Coast	TX	Smith	286.228	286.243	0.0143	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.000	0.011
Gulf Coast	TX	Smith	286.243	286.361	0.1182	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.118	0.000	0.095	0.000	0.000	0.000
Gulf Coast	TX	Smith	286.361	286.462	0.1007	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.081	0.000	0.000	0.081
Gulf Coast	TX	Smith	286.462	286.602	0.1402	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.112	0.000	0.112	0.000
Gulf Coast	TX	Smith	286.602	286.784	0.1821	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	0.000	0.146	0.000	0.000	0.000	0.146	0.146	0.146	0.000
Gulf Coast	TX	Smith	286.784	286.823	0.0392	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.039	0.000	0.033	0.000	0.000	0.000
Gulf Coast	TX	Smith	286.823	287.041	0.2176	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.174	0.000	0.000	0.000	0.174	0.000	0.174	0.000
Gulf Coast	TX	Smith	287.041	287.120	0.0788	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.063	0.000	0.000	0.063
Gulf Coast	TX	Smith	287.120	287.204	0.0846	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.085	0.000	0.068	0.000	0.000	0.000
Gulf Coast	TX	Smith	287.204	287.314	0.1099	TX423	Bowie fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.093	0.000	0.000	0.000
Gulf Coast	TX	Smith	287.314	287.382	0.0678	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.068	0.000	0.054	0.000	0.000	0.000
Gulf Coast	TX	Smith	287.382	287.597	0.2155	TX423	Bowie fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.183	0.000	0.000	0.000
Gulf Coast	TX	Smith	287.597	287.777	0.1792	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.000	0.143	0.000	0.000	0.000	0.143	0.000	0.143	0.143
Gulf Coast	TX	Smith	287.777	287.864	0.0876	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.070	0.000	0.000	0.070
Gulf Coast	TX	Smith	287.864	288.087	0.2230	TX423	Bowie fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.190	0.000	0.000	0.000
Gulf Coast	TX	Smith	288.087	288.139	0.0522	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.052	0.000	0.042	0.000	0.000	0.000
Gulf Coast	TX	Smith	288.139	288.299	0.1592	TX423	Kullit fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.159	0.000	0.135	0.000	0.000	0.000
Gulf Coast	TX	Smith	288.299	288.335	0.0361	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.036	0.000	0.029	0.000	0.000	0.000
Gulf Coast	TX	Smith	288.335	288.431	0.0960	TX423	Kullit fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.096	0.000	0.082	0.000	0.000	0.000
Gulf Coast	TX	Smith	288.431	288.465	0.0342	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.034	0.000	0.027	0.000	0.000	0.000
Gulf Coast	TX	Smith	288.465	288.505	0.0397	TX423	Kullit fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.040	0.000	0.034	0.000	0.000	0.000
Gulf Coast	TX	Smith	288.505	288.590	0.0850	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.068	0.000	0.068	0.000
Gulf Coast	TX	Smith	288.590	288.637	0.0477	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.048	0.000	0.038	0.000	0.000	0.000
Gulf Coast	TX	Smith	288.637	288.677	0.0397	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.032	0.000	0.000	0.000	0.032	0.000	0.032	0.000
Gulf Coast	TX	Smith	288.677	288.780	0.1028	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.103	0.000	0.082	0.000	0.000	0.000
Gulf Coast	TX	Smith	288.780	288.783	0.0031	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.002	0.000	0.000	0.000	0.002	0.000	0.002	0.000
Gulf Coast	TX	Smith	288.783	288.822	0.0387	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.039	0.000	0.031	0.000	0.000	0.000
Gulf Coast	TX	Smith	288.822	288.876	0.0539	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.043	0.000	0.000	0.000	0.043	0.000	0.043	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Smith	288.876	288.940	0.0643	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.064	0.000	0.051	0.000	0.000	0.000
Gulf Coast	TX	Smith	288.940	289.212	0.2718	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.217	0.000	0.000	0.000	0.217	0.000	0.217	0.000
Gulf Coast	TX	Smith	289.212	289.326	0.1147	TX423	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.080	0.080	0.000	0.000	0.000
Gulf Coast	TX	Smith	289.326	289.518	0.1912	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.153	0.000	0.000	0.000	0.153	0.000	0.153	0.000
Gulf Coast	TX	Smith	289.518	289.576	0.0585	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.058	0.000	0.047	0.000	0.000	0.000
Gulf Coast	TX	Smith	289.576	289.789	0.2131	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.170	0.000	0.000	0.000	0.170	0.000	0.170	0.000
Gulf Coast	TX	Smith	289.789	289.854	0.0650	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.065	0.000	0.052	0.000	0.000	0.000
Gulf Coast	TX	Smith	289.854	289.983	0.1291	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.103	0.000	0.103	0.000
Gulf Coast	TX	Smith	289.983	290.053	0.0700	TX423	Sacul very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.060	0.000	0.060	0.060
Gulf Coast	TX	Smith	290.053	290.127	0.0733	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.073	0.000	0.059	0.000	0.000	0.000
Gulf Coast	TX	Smith	290.127	290.202	0.0754	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.060	0.000	0.000	0.000	0.060	0.000	0.060	0.000
Gulf Coast	TX	Smith	290.202	290.310	0.1076	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.108	0.000	0.086	0.000	0.000	0.000
Gulf Coast	TX	Smith	290.310	290.392	0.0826	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.066	0.000	0.000	0.000	0.066	0.000	0.066	0.000
Gulf Coast	TX	Smith	290.392	290.435	0.0423	TX423	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.030	0.030	0.000	0.000	0.000
Gulf Coast	TX	Smith	290.435	290.494	0.0596	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.048	0.000	0.000	0.000	0.048	0.000	0.048	0.000
Gulf Coast	TX	Smith	290.494	290.719	0.2247	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.180	0.000	0.180	0.000
Gulf Coast	TX	Smith	290.719	290.796	0.0773	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.077	0.000	0.062	0.000	0.000	0.000
Gulf Coast	TX	Smith	290.796	290.831	0.0351	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.028	0.000	0.028	0.000
Gulf Coast	TX	Smith	290.831	290.922	0.0910	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.073	0.000	0.000	0.000	0.073	0.000	0.073	0.000
Gulf Coast	TX	Smith	290.922	290.945	0.0223	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.018	0.000	0.018	0.000
Gulf Coast	TX	Smith	290.945	291.152	0.2073	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.166	0.000	0.000	0.000	0.166	0.000	0.166	0.000
Gulf Coast	TX	Smith	291.152	291.267	0.1148	TX423	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.080	0.080	0.000	0.000	0.000
Gulf Coast	TX	Smith	291.267	291.347	0.0808	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.065	0.000	0.000	0.000	0.065	0.000	0.065	0.000
Gulf Coast	TX	Smith	291.347	291.421	0.0731	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.059	0.000	0.059	0.000
Gulf Coast	TX	Smith	291.421	291.501	0.0803	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.064	0.000	0.000	0.000	0.064	0.000	0.064	0.000
Gulf Coast	TX	Smith	291.501	291.705	0.2039	TX423	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.143	0.143	0.000	0.000	0.000
Gulf Coast	TX	Smith	291.705	291.800	0.0952	TX423	Bowie fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.081	0.000	0.000	0.000
Gulf Coast	TX	Smith	291.800	291.865	0.0649	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.065	0.000	0.052	0.000	0.000	0.000
Gulf Coast	TX	Smith	291.865	291.983	0.1184	TX423	Bowie fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.101	0.000	0.000	0.000
Gulf Coast	TX	Smith	291.983	292.126	0.1426	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.143	0.000	0.121	0.000	0.000	0.000
Gulf Coast	TX	Smith	292.126	292.316	0.1897	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.000	0.000	0.000	0.000	0.000	0.152	0.000	0.000	0.152
Gulf Coast	TX	Smith	292.316	292.416	0.1009	TX423	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.071	0.071	0.000	0.000	0.000
Gulf Coast	TX	Smith	292.416	292.451	0.0342	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.027	0.000	0.000	0.000	0.027	0.000	0.027	0.000
Gulf Coast	TX	Cherokee	292.451	292.556	0.1058	TX073	Lilbert loamy fine sand, gently sloping	0.000	0.000	0.000	0.000	0.000	0.106	0.000	0.000	0.106
Gulf Coast	TX	Cherokee	292.556	292.680	0.1231	TX073	Betis loamy fine sand, nearly level	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.123
Gulf Coast	TX	Cherokee	292.680	292.725	0.0451	TX073	Briley loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.045	0.000	0.000	0.045
Gulf Coast	TX	Cherokee	292.725	292.748	0.0235	TX073	Ruston fine sandy loam, sloping	0.000	0.000	0.000	0.024	0.000	0.024	0.000	0.000	0.024
Gulf Coast	TX	Cherokee	292.748	292.777	0.0291	TX073	Iuka fine sandy loam	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	292.777	292.814	0.0371	TX073	Lilbert loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.037	0.000	0.000	0.037
Gulf Coast	TX	Cherokee	292.814	292.930	0.1156	TX073	Briley loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.116	0.000	0.000	0.116
Gulf Coast	TX	Cherokee	292.930	293.105	0.1747	TX073	Betis loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.175
Gulf Coast	TX	Cherokee	293.105	293.185	0.0802	TX073	Darco loamy fine sand, strongly sloping, eroded	0.000	0.000	0.000	0.000	0.000	0.080	0.000	0.000	0.080
Gulf Coast	TX	Cherokee	293.185	293.222	0.0368	TX073	Iuka fine sandy loam	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	293.222	293.263	0.0410	TX073	Darco loamy fine sand, strongly sloping	0.000	0.000	0.000	0.000	0.000	0.041	0.000	0.000	0.041
Gulf Coast	TX	Cherokee	293.263	293.384	0.1217	TX073	Betis loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.122
Gulf Coast	TX	Cherokee	293.384	293.418	0.0340	TX073	Darco loamy fine sand, strongly sloping	0.000	0.000	0.000	0.000	0.000	0.034	0.000	0.000	0.034
Gulf Coast	TX	Cherokee	293.418	293.446	0.0279	TX073	Mantachie fine sandy loam	0.000	0.000	0.000	0.000	0.025	0.000	0.025	0.000	0.000
Gulf Coast	TX	Cherokee	293.446	293.504	0.0579	TX073	Darco loamy fine sand, strongly sloping	0.000	0.000	0.000	0.000	0.000	0.058	0.000	0.000	0.058
Gulf Coast	TX	Cherokee	293.504	293.564	0.0594	TX073	Mantachie fine sandy loam	0.000	0.000	0.000	0.000	0.053	0.000	0.053	0.000	0.000
Gulf Coast	TX	Cherokee	293.564	293.630	0.0668	TX073	Darco loamy fine sand, strongly sloping	0.000	0.000	0.000	0.000	0.000	0.067	0.000	0.000	0.067
Gulf Coast	TX	Cherokee	293.630	293.876	0.2453	TX073	Bowie fine sandy loam, sloping	0.000	0.000	0.000	0.000	0.000	0.245	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	293.876	293.889	0.0134	TX073	Sacul fine sandy loam, sloping	0.000	0.000	0.000	0.000	0.000	0.013	0.000	0.000	0.013
Gulf Coast	TX	Cherokee	293.889	293.926	0.0365	TX073	Lilbert loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.036
Gulf Coast	TX	Cherokee	293.926	294.134	0.2083	TX073	Sacul fine sandy loam, sloping	0.000	0.000	0.000	0.000	0.000	0.208	0.000	0.000	0.208
Gulf Coast	TX	Cherokee	294.134	294.172	0.0384	TX073	Lilbert loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.038	0.000	0.000	0.038
Gulf Coast	TX	Cherokee	294.172	294.173	0.0003	TX073	Sacul fine sandy loam, sloping	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	294.173	294.259	0.0862	TX073	Bowie fine sandy loam, sloping	0.000	0.000	0.000	0.000	0.000	0.086	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Cherokee	294.259	294.326	0.0667	TX073	Sacul fine sandy loam, sloping	0.000	0.000	0.000	0.000	0.000	0.067	0.000	0.000	0.067
Gulf Coast	TX	Cherokee	294.326	294.383	0.0576	TX073	Mantachie fine sandy loam	0.000	0.000	0.000	0.000	0.052	0.000	0.052	0.000	0.000
Gulf Coast	TX	Cherokee	294.383	294.396	0.0124	TX073	Bowie fine sandy loam, sloping	0.000	0.000	0.000	0.000	0.000	0.012	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	294.396	294.450	0.0542	TX073	Betis loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.054
Gulf Coast	TX	Cherokee	294.450	294.651	0.2009	TX073	Bowie fine sandy loam, sloping	0.000	0.000	0.000	0.000	0.000	0.201	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	294.651	294.669	0.0180	TX073	Betis loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018
Gulf Coast	TX	Cherokee	294.669	294.713	0.0447	TX073	Bowie fine sandy loam, sloping	0.000	0.000	0.000	0.000	0.000	0.045	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	294.713	294.794	0.0810	TX073	Betis loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.081
Gulf Coast	TX	Cherokee	294.794	294.868	0.0736	TX073	Betis loamy fine sand, nearly level	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.074
Gulf Coast	TX	Cherokee	294.868	295.072	0.2039	TX073	Betis loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.204
Gulf Coast	TX	Cherokee	295.072	295.230	0.1578	TX073	Lilbert loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.158	0.000	0.000	0.158
Gulf Coast	TX	Cherokee	295.230	295.293	0.0637	TX073	Betis loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.064
Gulf Coast	TX	Cherokee	295.293	295.339	0.0460	TX073	Lilbert loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.046
Gulf Coast	TX	Cherokee	295.339	295.470	0.1303	TX073	Lilbert loamy fine sand, gently sloping	0.000	0.000	0.000	0.000	0.000	0.130	0.000	0.000	0.130
Gulf Coast	TX	Cherokee	295.470	295.483	0.0135	TX073	Betis loamy fine sand, nearly level	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014
Gulf Coast	TX	Cherokee	295.483	295.531	0.0479	TX073	Betis loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.048
Gulf Coast	TX	Cherokee	295.531	295.584	0.0525	TX073	Darco loamy fine sand, strongly sloping	0.000	0.000	0.000	0.000	0.000	0.052	0.000	0.000	0.052
Gulf Coast	TX	Cherokee	295.584	295.642	0.0580	TX073	Betis loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.058
Gulf Coast	TX	Cherokee	295.642	295.709	0.0673	TX073	Darco loamy fine sand, strongly sloping	0.000	0.000	0.000	0.000	0.000	0.067	0.000	0.000	0.067
Gulf Coast	TX	Cherokee	295.709	295.729	0.0202	TX073	Betis loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020
Gulf Coast	TX	Cherokee	295.729	295.920	0.1903	TX073	Betis loamy fine sand, nearly level	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.190
Gulf Coast	TX	Cherokee	295.920	296.124	0.2048	TX073	Briley loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.205	0.000	0.000	0.205
Gulf Coast	TX	Cherokee	296.124	296.173	0.0485	TX073	Bowie fine sandy loam, sloping	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	296.173	296.351	0.1782	TX073	Briley loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.178	0.000	0.000	0.178
Gulf Coast	TX	Cherokee	296.351	296.460	0.1091	TX073	Briley loamy fine sand, gently sloping	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.109
Gulf Coast	TX	Cherokee	296.460	296.503	0.0426	TX073	Woodtell fine sandy loam, gently sloping	0.000	0.000	0.000	0.000	0.000	0.043	0.000	0.043	0.000
Gulf Coast	TX	Cherokee	296.503	296.576	0.0738	TX073	Woodtell fine sandy loam, sloping	0.000	0.000	0.000	0.000	0.000	0.074	0.000	0.074	0.000
Gulf Coast	TX	Cherokee	296.576	296.686	0.1097	TX073	Mantachie fine sandy loam	0.000	0.000	0.000	0.000	0.099	0.000	0.099	0.000	0.000
Gulf Coast	TX	Cherokee	296.686	296.800	0.1143	TX073	Woodtell fine sandy loam, sloping	0.000	0.000	0.000	0.000	0.000	0.114	0.000	0.114	0.000
Gulf Coast	TX	Cherokee	296.800	296.841	0.0404	TX073	Iuka fine sandy loam	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	296.841	296.908	0.0676	TX073	Darco loamy fine sand, strongly sloping	0.000	0.000	0.000	0.000	0.000	0.068	0.000	0.000	0.068
Gulf Coast	TX	Cherokee	296.908	297.018	0.1098	TX073	Briley loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.110	0.000	0.000	0.110
Gulf Coast	TX	Cherokee	297.018	297.124	0.1054	TX073	Betis loamy fine sand, nearly level	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.105
Gulf Coast	TX	Cherokee	297.124	297.214	0.0903	TX073	Briley loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.090	0.000	0.000	0.090
Gulf Coast	TX	Cherokee	297.214	297.225	0.0113	TX073	Darco loamy fine sand, strongly sloping	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.000	0.011
Gulf Coast	TX	Cherokee	297.225	297.355	0.1301	TX073	Briley loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.130	0.000	0.000	0.130
Gulf Coast	TX	Cherokee	297.355	297.709	0.3538	TX073	Darco loamy fine sand, strongly sloping	0.000	0.000	0.000	0.000	0.000	0.354	0.000	0.000	0.354
Gulf Coast	TX	Cherokee	297.709	297.782	0.0727	TX073	Angelina	0.000	0.000	0.000	0.000	0.071	0.071	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	297.782	297.827	0.0455	TX073	Tenaha loamy fine sand, strongly sloping	0.000	0.036	0.000	0.000	0.000	0.036	0.000	0.036	0.036
Gulf Coast	TX	Cherokee	297.827	297.901	0.0736	TX073	Betis loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.074
Gulf Coast	TX	Cherokee	297.901	297.939	0.0385	TX073	Darco loamy fine sand, strongly sloping	0.000	0.000	0.000	0.000	0.000	0.038	0.000	0.000	0.038
Gulf Coast	TX	Cherokee	297.939	297.964	0.0248	TX073	Angelina	0.000	0.000	0.000	0.000	0.024	0.024	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	297.964	298.065	0.1004	TX073	Darco loamy fine sand, strongly sloping	0.000	0.000	0.000	0.000	0.000	0.100	0.000	0.000	0.100
Gulf Coast	TX	Cherokee	298.065	298.094	0.0290	TX073	Angelina	0.000	0.000	0.000	0.000	0.028	0.028	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	298.094	298.180	0.0866	TX073	Betis loamy fine sand, nearly level	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.087
Gulf Coast	TX	Cherokee	298.180	298.248	0.0677	TX073	Angelina	0.000	0.000	0.000	0.000	0.066	0.066	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	298.248	298.428	0.1801	TX073	Darco loamy fine sand, strongly sloping	0.000	0.000	0.000	0.000	0.000	0.180	0.000	0.000	0.180
Gulf Coast	TX	Cherokee	298.428	298.449	0.0206	TX073	Lilbert loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.021	0.000	0.000	0.021
Gulf Coast	TX	Cherokee	298.449	298.536	0.0877	TX073	Darco loamy fine sand, strongly sloping	0.000	0.000	0.000	0.000	0.000	0.088	0.000	0.000	0.088
Gulf Coast	TX	Cherokee	298.536	298.599	0.0622	TX073	Betis loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.062
Gulf Coast	TX	Cherokee	298.599	298.657	0.0587	TX073	Briley loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.059	0.000	0.000	0.059
Gulf Coast	TX	Cherokee	298.657	298.847	0.1894	TX073	Lilbert loamy fine sand, sloping, eroded	0.000	0.000	0.000	0.000	0.000	0.189	0.000	0.000	0.189
Gulf Coast	TX	Cherokee	298.847	298.988	0.1417	TX073	Briley loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.142	0.000	0.000	0.142
Gulf Coast	TX	Cherokee	298.988	299.083	0.0948	TX073	Briley loamy fine sand, gently sloping	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.095
Gulf Coast	TX	Cherokee	299.083	299.237	0.1534	TX073	Betis loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.153
Gulf Coast	TX	Cherokee	299.237	299.242	0.0055	TX073	Briley loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.005
Gulf Coast	TX	Cherokee	299.242	299.584	0.3419	TX073	Sacul fine sandy loam, gently sloping	0.000	0.000	0.000	0.000	0.000	0.342	0.000	0.000	0.342

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Cherokee	299.584	299.646	0.0624	TX073	Sacul fine sandy loam, sloping	0.000	0.000	0.000	0.000	0.000	0.062	0.000	0.000	0.062
Gulf Coast	TX	Cherokee	299.646	299.765	0.1182	TX073	Sacul fine sandy loam, gently sloping	0.000	0.000	0.000	0.000	0.000	0.118	0.000	0.000	0.118
Gulf Coast	TX	Cherokee	299.765	299.877	0.1123	TX073	Lilbert loamy fine sand, sloping	0.000	0.000	0.000	0.000	0.000	0.112	0.000	0.000	0.112
Gulf Coast	TX	Cherokee	299.877	299.905	0.0280	TX073	Bienville loamy fine sand, nearly level	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.028
Gulf Coast	TX	Cherokee	299.905	300.058	0.1529	TX073	Mantachie fine sandy loam	0.000	0.000	0.000	0.000	0.138	0.000	0.138	0.000	0.000
Gulf Coast	TX	Rusk	300.058	300.790	0.7320	TX401	Keechi fine sandy loam, frequently flooded	0.000	0.000	0.000	0.000	0.695	0.695	0.000	0.695	0.000
Gulf Coast	TX	Rusk	300.790	301.173	0.3829	TX401	Laneville loam, frequently flooded	0.000	0.000	0.314	0.000	0.000	0.314	0.000	0.000	0.000
Gulf Coast	TX	Rusk	301.173	301.524	0.3513	TX401	Kirvin fine sandy loam, 5 to 15 percent slopes	0.000	0.316	0.000	0.000	0.000	0.316	0.000	0.316	0.000
Gulf Coast	TX	Rusk	301.524	301.687	0.1627	TX401	Latex very fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.163	0.000	0.138	0.000	0.000	0.000
Gulf Coast	TX	Rusk	301.687	301.963	0.2759	TX401	Sawlit-Sawtown complex, 0 to 2 percent slopes	0.000	0.000	0.110	0.276	0.000	0.262	0.000	0.000	0.000
Gulf Coast	TX	Rusk	301.963	302.037	0.0743	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.068	0.000	0.000	0.000	0.068	0.000	0.068	0.000
Gulf Coast	TX	Rusk	302.037	302.223	0.1864	TX401	Laneville loam, frequently flooded	0.000	0.000	0.153	0.000	0.000	0.153	0.000	0.000	0.000
Gulf Coast	TX	Rusk	302.223	302.343	0.1197	TX401	Sacul fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.110	0.000	0.110	0.000
Gulf Coast	TX	Rusk	302.343	302.369	0.0262	TX401	Sawlit-Sawtown complex, 0 to 2 percent slopes	0.000	0.000	0.010	0.026	0.000	0.025	0.000	0.000	0.000
Gulf Coast	TX	Rusk	302.369	302.474	0.1046	TX401	Kirvin fine sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.096	0.000	0.096	0.000
Gulf Coast	TX	Rusk	302.474	302.553	0.0794	TX401	Sawlit-Sawtown complex, 0 to 2 percent slopes	0.000	0.000	0.032	0.079	0.000	0.075	0.000	0.000	0.000
Gulf Coast	TX	Rusk	302.553	302.592	0.0386	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.035	0.000	0.000	0.000	0.035	0.000	0.035	0.000
Gulf Coast	TX	Rusk	302.592	302.775	0.1830	TX401	Sawlit-Sawtown complex, 0 to 2 percent slopes	0.000	0.000	0.073	0.183	0.000	0.174	0.000	0.000	0.000
Gulf Coast	TX	Rusk	302.775	302.861	0.0858	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.079	0.000	0.000	0.000	0.079	0.000	0.079	0.000
Gulf Coast	TX	Rusk	302.861	302.967	0.1059	TX401	Laneville loam, frequently flooded	0.000	0.000	0.087	0.000	0.000	0.087	0.000	0.000	0.000
Gulf Coast	TX	Rusk	302.967	303.073	0.1064	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.098	0.000	0.000	0.000	0.098	0.000	0.098	0.000
Gulf Coast	TX	Rusk	303.073	303.166	0.0933	TX401	Sawlit-Sawtown complex, 0 to 2 percent slopes	0.000	0.000	0.037	0.093	0.000	0.089	0.000	0.000	0.000
Gulf Coast	TX	Rusk	303.166	303.209	0.0426	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.039	0.000	0.000	0.000	0.039	0.000	0.039	0.000
Gulf Coast	TX	Rusk	303.209	303.237	0.0279	TX401	Kirvin fine sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.026	0.000	0.026	0.000
Gulf Coast	TX	Rusk	303.237	303.343	0.1060	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.098	0.000	0.000	0.000	0.098	0.000	0.098	0.000
Gulf Coast	TX	Rusk	303.343	303.517	0.1740	TX401	Kirvin fine sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.160	0.000	0.160	0.000
Gulf Coast	TX	Rusk	303.517	303.686	0.1691	TX401	Lilbert loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.156	0.000	0.000	0.156
Gulf Coast	TX	Rusk	303.686	303.962	0.2764	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.254	0.000	0.000	0.000	0.254	0.000	0.254	0.000
Gulf Coast	TX	Rusk	303.962	304.180	0.2174	TX401	Kirvin fine sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.200	0.000	0.200	0.000
Gulf Coast	TX	Rusk	304.180	304.433	0.2534	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.233	0.000	0.000	0.000	0.233	0.000	0.233	0.000
Gulf Coast	TX	Rusk	304.433	304.598	0.1646	TX401	Redsprings gravelly fine sandy loam, 15 to 40 percent slopes	0.000	0.160	0.000	0.000	0.000	0.160	0.160	0.160	0.000
Gulf Coast	TX	Rusk	304.598	305.023	0.4254	TX401	Betis loamy fine sand, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.404
Gulf Coast	TX	Rusk	305.023	305.539	0.5155	TX401	Redsprings gravelly fine sandy loam, 5 to 15 percent slopes	0.000	0.490	0.000	0.000	0.000	0.490	0.490	0.490	0.000
Gulf Coast	TX	Rusk	305.539	305.828	0.2895	TX401	Darco loamy fine sand, 8 to 15 percent slope	0.000	0.000	0.000	0.000	0.000	0.266	0.000	0.000	0.266
Gulf Coast	TX	Rusk	305.828	305.904	0.0758	TX401	Redsprings gravelly fine sandy loam, 5 to 15 percent slopes	0.000	0.072	0.000	0.000	0.000	0.072	0.072	0.072	0.000
Gulf Coast	TX	Rusk	305.904	306.191	0.2866	TX401	Tenaha loamy fine sand, 5 to 15 percent slopes	0.000	0.258	0.000	0.000	0.000	0.258	0.000	0.258	0.258
Gulf Coast	TX	Rusk	306.191	306.303	0.1119	TX401	Betis loamy fine sand, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.106
Gulf Coast	TX	Rusk	306.303	306.366	0.0638	TX401	Darco loamy fine sand, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.059	0.000	0.000	0.059
Gulf Coast	TX	Rusk	306.366	306.404	0.0373	TX401	Tenaha loamy fine sand, 5 to 15 percent slopes	0.000	0.034	0.000	0.000	0.000	0.034	0.000	0.034	0.034
Gulf Coast	TX	Rusk	306.404	306.468	0.0643	TX401	Darco loamy fine sand, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.059	0.000	0.000	0.059
Gulf Coast	TX	Rusk	306.468	306.848	0.3800	TX401	Betis loamy fine sand, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.361
Gulf Coast	TX	Rusk	306.848	307.056	0.2080	TX401	Lilbert loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.191	0.000	0.000	0.191
Gulf Coast	TX	Rusk	307.056	307.170	0.1146	TX401	Tenaha loamy fine sand, 5 to 15 percent slopes	0.000	0.103	0.000	0.000	0.000	0.103	0.000	0.103	0.103
Gulf Coast	TX	Rusk	307.170	307.319	0.1482	TX401	Laneville loam, frequently flooded	0.000	0.000	0.122	0.000	0.000	0.122	0.000	0.000	0.000
Gulf Coast	TX	Rusk	307.319	307.414	0.0957	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.000	0.096	0.000	0.086	0.000	0.000	0.000
Gulf Coast	TX	Rusk	307.414	307.626	0.2118	TX401	Laneville loam, frequently flooded	0.000	0.000	0.174	0.000	0.000	0.174	0.000	0.000	0.000
Gulf Coast	TX	Rusk	307.626	307.871	0.2451	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.226	0.000	0.000	0.000	0.226	0.000	0.226	0.000
Gulf Coast	TX	Rusk	307.871	308.042	0.1704	TX401	Sacul fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.157	0.000	0.157	0.000
Gulf Coast	TX	Rusk	308.042	308.247	0.2057	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.189	0.000	0.000	0.000	0.189	0.000	0.189	0.000
Gulf Coast	TX	Rusk	308.247	308.383	0.1351	TX401	Laneville loam, frequently flooded	0.000	0.000	0.111	0.000	0.000	0.111	0.000	0.000	0.000
Gulf Coast	TX	Rusk	308.383	308.457	0.0747	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.069	0.000	0.000	0.000	0.069	0.000	0.069	0.000
Gulf Coast	TX	Rusk	308.457	308.675	0.2180	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.000	0.218	0.000	0.196	0.000	0.000	0.000
Gulf Coast	TX	Rusk	308.675	308.743	0.0673	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.062	0.000	0.000	0.000	0.062	0.000	0.062	0.000
Gulf Coast	TX	Rusk	308.743	308.991	0.2483	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.000	0.248	0.000	0.224	0.000	0.000	0.000
Gulf Coast	TX	Rusk	308.991	309.116	0.1248	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.115	0.000	0.000	0.000	0.115	0.000	0.115	0.000
Gulf Coast	TX	Rusk	309.116	309.206	0.0903	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.000	0.090	0.000	0.081	0.000	0.000	0.000
Gulf Coast	TX	Rusk	309.206	309.327	0.1209	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.111	0.000	0.000	0.000	0.111	0.000	0.111	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Rusk	309.327	309.532	0.2046	TX401	Lilbert loamy fine sand, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.188	0.000	0.000	0.188
Gulf Coast	TX	Rusk	309.532	309.663	0.1309	TX401	Kirvin fine sandy loam, 5 to 15 percent slopes	0.000	0.118	0.000	0.000	0.000	0.118	0.000	0.118	0.000
Gulf Coast	TX	Rusk	309.663	309.736	0.0733	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.000	0.073	0.000	0.066	0.000	0.000	0.000
Gulf Coast	TX	Rusk	309.736	309.829	0.0928	TX401	Kirvin fine sandy loam, 5 to 15 percent slopes	0.000	0.083	0.000	0.000	0.000	0.083	0.000	0.083	0.000
Gulf Coast	TX	Rusk	309.829	310.031	0.2023	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.000	0.202	0.000	0.182	0.000	0.000	0.000
Gulf Coast	TX	Rusk	310.031	310.259	0.2280	TX401	Sacul fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.210	0.000	0.210	0.000
Gulf Coast	TX	Rusk	310.259	310.383	0.1243	TX401	Kirvin fine sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.114	0.000	0.114	0.000
Gulf Coast	TX	Rusk	310.383	310.450	0.0668	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.061	0.000	0.000	0.000	0.061	0.000	0.061	0.000
Gulf Coast	TX	Rusk	310.450	311.709	1.2585	TX401	Mattex clay loam, frequently flooded	0.000	0.000	0.000	0.000	1.070	1.070	0.000	0.000	0.000
Gulf Coast	TX	Rusk	311.709	311.776	0.0673	TX401	Keechi fine sandy loam, frequently flooded	0.000	0.000	0.000	0.000	0.064	0.064	0.000	0.064	0.000
Gulf Coast	TX	Rusk	311.776	312.733	0.9568	TX401	Mattex clay loam, frequently flooded	0.000	0.000	0.000	0.000	0.813	0.813	0.000	0.000	0.000
Gulf Coast	TX	Rusk	312.733	312.788	0.0556	TX401	Laneville loam, occasionally flooded	0.000	0.000	0.046	0.056	0.000	0.046	0.000	0.000	0.000
Gulf Coast	TX	Rusk	312.788	312.800	0.0115	TX401	Mattex clay loam, frequently flooded	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000
Gulf Coast	TX	Rusk	312.800	312.836	0.0362	TX401	Laneville loam, occasionally flooded	0.000	0.000	0.030	0.036	0.000	0.030	0.000	0.000	0.000
Gulf Coast	TX	Rusk	312.836	312.878	0.0423	TX401	Mattex clay loam, frequently flooded	0.000	0.000	0.000	0.000	0.036	0.036	0.000	0.000	0.000
Gulf Coast	TX	Rusk	312.878	313.116	0.2380	TX401	Laneville loam, occasionally flooded	0.000	0.000	0.195	0.238	0.000	0.195	0.000	0.000	0.000
Gulf Coast	TX	Rusk	313.116	313.182	0.0652	TX401	Kirvin fine sandy loam, 5 to 15 percent slopes	0.000	0.059	0.000	0.000	0.000	0.059	0.000	0.059	0.000
Gulf Coast	TX	Rusk	313.182	313.250	0.0686	TX401	Sacul fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.063	0.000	0.063	0.000
Gulf Coast	TX	Rusk	313.250	313.269	0.0191	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.000	0.019	0.000	0.017	0.000	0.000	0.000
Gulf Coast	TX	Rusk	313.269	313.366	0.0971	TX401	Sacul fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.089	0.000	0.089	0.000
Gulf Coast	TX	Rusk	313.366	313.493	0.1266	TX401	Kirvin fine sandy loam, 5 to 15 percent slopes	0.000	0.114	0.000	0.000	0.000	0.114	0.000	0.114	0.000
Gulf Coast	TX	Rusk	313.493	313.552	0.0591	TX401	Laneville loam, occasionally flooded	0.000	0.000	0.048	0.059	0.000	0.048	0.000	0.000	0.000
Gulf Coast	TX	Rusk	313.552	313.606	0.0545	TX401	Kirvin fine sandy loam, 2 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.050	0.000	0.050	0.000
Gulf Coast	TX	Nacogdoches	313.606	313.761	0.1543	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.116	0.000	0.116	0.000
Gulf Coast	TX	Nacogdoches	313.761	313.973	0.2120	TX347	Bowie fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.212	0.000	0.170	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	313.973	313.984	0.0115	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.009	0.000
Gulf Coast	TX	Nacogdoches	313.984	314.052	0.0678	TX347	Kullit fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.068	0.000	0.058	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	314.052	314.219	0.1671	TX347	Sacul fine sandy loam, 5 to 20 percent slopes	0.000	0.134	0.000	0.000	0.000	0.134	0.000	0.134	0.134
Gulf Coast	TX	Nacogdoches	314.219	314.326	0.1068	TX347	Bowie fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.107	0.000	0.085	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	314.326	314.390	0.0646	TX347	Sacul fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.052	0.000	0.052	0.000
Gulf Coast	TX	Nacogdoches	314.390	314.460	0.0695	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.052	0.000	0.052	0.000
Gulf Coast	TX	Nacogdoches	314.460	314.483	0.0227	TX347	Kullit fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.023	0.000	0.019	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	314.483	314.854	0.3709	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.278	0.000	0.278	0.000
Gulf Coast	TX	Nacogdoches	314.854	314.968	0.1143	TX347	Kullit fine sandy loam, 1 to 3 percent slopes	0.000	0.000	0.000	0.114	0.000	0.097	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	314.968	315.074	0.1058	TX347	Sacul fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.085	0.000	0.085	0.000
Gulf Coast	TX	Nacogdoches	315.074	315.140	0.0662	TX347	Marietta soils, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.063	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	315.140	315.318	0.1778	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.142	0.000	0.000	0.000	0.142	0.000	0.142	0.000
Gulf Coast	TX	Nacogdoches	315.318	315.340	0.0221	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.017	0.000	0.017	0.000
Gulf Coast	TX	Nacogdoches	315.340	315.357	0.0175	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.014	0.000	0.000	0.000	0.014	0.000	0.014	0.000
Gulf Coast	TX	Nacogdoches	315.357	315.386	0.0284	TX347	Bowie fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.028	0.000	0.023	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	315.386	315.436	0.0501	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.040	0.000	0.000	0.000	0.040	0.000	0.040	0.000
Gulf Coast	TX	Nacogdoches	315.436	315.594	0.1584	TX347	Woden fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.000	0.158	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	315.594	315.661	0.0665	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.053	0.000	0.000	0.000	0.053	0.000	0.053	0.000
Gulf Coast	TX	Nacogdoches	315.661	316.051	0.3902	TX347	Marietta soils, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.371	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	316.051	316.093	0.0421	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.034	0.000	0.000	0.000	0.034	0.000	0.034	0.000
Gulf Coast	TX	Nacogdoches	316.093	316.101	0.0077	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.000	0.007	0.000	0.000	0.000	0.007	0.000	0.007	0.007
Gulf Coast	TX	Nacogdoches	316.101	316.179	0.0778	TX347	Darco loamy fine sand, 8 to 20 percent slopes	0.000	0.062	0.000	0.000	0.000	0.062	0.000	0.000	0.062
Gulf Coast	TX	Nacogdoches	316.179	316.262	0.0832	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.067	0.000	0.000	0.067
Gulf Coast	TX	Nacogdoches	316.262	316.279	0.0172	TX347	Darco loamy fine sand, 8 to 20 percent slopes	0.000	0.014	0.000	0.000	0.000	0.014	0.000	0.000	0.014
Gulf Coast	TX	Nacogdoches	316.279	316.422	0.1428	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.114	0.000	0.000	0.000	0.114	0.000	0.114	0.000
Gulf Coast	TX	Nacogdoches	316.422	316.492	0.0707	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.053	0.000	0.053	0.000
Gulf Coast	TX	Nacogdoches	316.492	316.525	0.0324	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.026	0.000	0.000	0.000	0.026	0.000	0.026	0.000
Gulf Coast	TX	Nacogdoches	316.525	316.558	0.0337	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.025	0.000	0.025	0.000
Gulf Coast	TX	Nacogdoches	316.558	316.574	0.0160	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.013	0.000	0.000	0.000	0.013	0.000	0.013	0.000
Gulf Coast	TX	Nacogdoches	316.574	316.606	0.0317	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.024	0.000	0.024	0.000
Gulf Coast	TX	Nacogdoches	316.606	316.672	0.0663	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.053	0.000	0.000	0.000	0.053	0.000	0.053	0.000
Gulf Coast	TX	Nacogdoches	316.672	316.742	0.0695	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.056	0.000	0.000	0.056

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Nacogdoches	316.742	316.796	0.0535	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.043	0.000	0.000	0.000	0.043	0.000	0.043	0.000
Gulf Coast	TX	Nacogdoches	316.796	316.964	0.1687	TX347	Briley loamy fine sand, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.152	0.000	0.000	0.152
Gulf Coast	TX	Nacogdoches	316.964	317.021	0.0572	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.057	0.000	0.049	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	317.021	317.273	0.2515	TX347	Trawick gravelly fine sandy loam, 8 to 20 percent slopes	0.000	0.163	0.000	0.000	0.000	0.163	0.163	0.000	0.000
Gulf Coast	TX	Nacogdoches	317.273	317.336	0.0626	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.050	0.000	0.000	0.000	0.050	0.000	0.050	0.000
Gulf Coast	TX	Nacogdoches	317.336	317.382	0.0460	TX347	Briley loamy fine sand, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.041	0.000	0.000	0.041
Gulf Coast	TX	Nacogdoches	317.382	317.476	0.0942	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.000	0.085	0.000	0.000	0.000	0.085	0.000	0.085	0.085
Gulf Coast	TX	Nacogdoches	317.476	317.588	0.1125	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.090	0.000	0.000	0.090
Gulf Coast	TX	Nacogdoches	317.588	317.705	0.1164	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.000	0.105	0.000	0.000	0.000	0.105	0.000	0.105	0.105
Gulf Coast	TX	Nacogdoches	317.705	317.784	0.0789	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.063	0.000	0.000	0.063
Gulf Coast	TX	Nacogdoches	317.784	317.963	0.1792	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.143	0.000	0.000	0.000	0.143	0.000	0.143	0.000
Gulf Coast	TX	Nacogdoches	317.963	318.012	0.0488	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.000	0.044	0.000	0.000	0.000	0.044	0.000	0.044	0.044
Gulf Coast	TX	Nacogdoches	318.012	318.056	0.0448	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.036
Gulf Coast	TX	Nacogdoches	318.056	318.634	0.5780	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.000	0.520	0.000	0.000	0.000	0.520	0.000	0.520	0.520
Gulf Coast	TX	Nacogdoches	318.634	318.713	0.0787	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.063	0.000	0.000	0.063
Gulf Coast	TX	Nacogdoches	318.713	318.859	0.1462	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.000	0.132	0.000	0.000	0.000	0.132	0.000	0.132	0.132
Gulf Coast	TX	Nacogdoches	318.859	319.065	0.2056	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.164	0.000	0.000	0.164
Gulf Coast	TX	Nacogdoches	319.065	319.092	0.0271	TX347	Bernaldo-Besner complex	0.000	0.000	0.000	0.027	0.000	0.022	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	319.092	319.212	0.1197	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.096	0.000	0.000	0.096
Gulf Coast	TX	Nacogdoches	319.212	319.272	0.0603	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.048	0.000	0.000	0.000	0.048	0.000	0.048	0.000
Gulf Coast	TX	Nacogdoches	319.272	319.319	0.0466	TX347	Iuka fine sandy loam, occasionally flooded	0.000	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	319.319	319.361	0.0426	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.034	0.000	0.000	0.000	0.034	0.000	0.034	0.000
Gulf Coast	TX	Nacogdoches	319.361	319.428	0.0666	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.000	0.060	0.000	0.000	0.000	0.060	0.000	0.060	0.060
Gulf Coast	TX	Nacogdoches	319.428	319.589	0.1609	TX347	Briley loamy fine sand, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.145	0.000	0.000	0.145
Gulf Coast	TX	Nacogdoches	319.589	319.710	0.1207	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.000	0.109	0.000	0.000	0.000	0.109	0.000	0.109	0.109
Gulf Coast	TX	Nacogdoches	319.710	319.757	0.0477	TX347	Bienville loamy fine sand, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.041
Gulf Coast	TX	Nacogdoches	319.757	319.834	0.0767	TX347	Iuka fine sandy loam, occasionally flooded	0.000	0.000	0.000	0.077	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	319.834	319.957	0.1225	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.000	0.110	0.000	0.000	0.000	0.110	0.000	0.110	0.110
Gulf Coast	TX	Nacogdoches	319.957	320.099	0.1420	TX347	Darco loamy fine sand, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.121	0.000	0.000	0.121
Gulf Coast	TX	Nacogdoches	320.099	320.266	0.1676	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.000	0.151	0.000	0.000	0.000	0.151	0.000	0.151	0.151
Gulf Coast	TX	Nacogdoches	320.266	320.397	0.1312	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.105	0.000	0.000	0.000	0.105	0.000	0.105	0.000
Gulf Coast	TX	Nacogdoches	320.397	320.489	0.0912	TX347	Bernaldo-Besner complex	0.000	0.000	0.000	0.091	0.000	0.073	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	320.489	320.600	0.1115	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.089	0.000	0.000	0.000	0.089	0.000	0.089	0.000
Gulf Coast	TX	Nacogdoches	320.600	320.681	0.0810	TX347	Briley loamy fine sand, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.073	0.000	0.000	0.073
Gulf Coast	TX	Nacogdoches	320.681	320.753	0.0719	TX347	Bernaldo-Besner complex	0.000	0.000	0.000	0.072	0.000	0.058	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	320.753	320.874	0.1210	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.097	0.000	0.000	0.000	0.097	0.000	0.097	0.000
Gulf Coast	TX	Nacogdoches	320.874	320.967	0.0932	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.061	0.000	0.000	0.000	0.061	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	320.967	321.487	0.5204	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.520	0.000	0.442	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	321.487	321.502	0.0143	TX347	Hannahatchee loam, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	321.502	321.572	0.0699	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.070	0.000	0.059	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	321.572	321.735	0.1635	TX347	Hannahatchee loam, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.123	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	321.735	321.786	0.0508	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.041	0.000	0.000	0.000	0.041	0.000	0.041	0.000
Gulf Coast	TX	Nacogdoches	321.786	321.866	0.0798	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.060	0.000	0.060	0.000
Gulf Coast	TX	Nacogdoches	321.866	321.948	0.0818	TX347	Trawick clay loam, 8 to 20 percent slopes	0.000	0.053	0.000	0.000	0.000	0.053	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	321.948	321.975	0.0274	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.027	0.000	0.023	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	321.975	322.267	0.2923	TX347	Trawick clay loam, 8 to 20 percent slopes	0.000	0.190	0.000	0.000	0.000	0.190	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	322.267	322.544	0.2771	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.277	0.000	0.236	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	322.544	322.867	0.3228	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.323	0.000	0.291	0.000	0.291	0.000
Gulf Coast	TX	Nacogdoches	322.867	323.139	0.2718	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.272	0.000	0.231	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	323.139	323.254	0.1151	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.086	0.000	0.086	0.000
Gulf Coast	TX	Nacogdoches	323.254	323.270	0.0157	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	323.270	323.625	0.3548	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.355	0.000	0.302	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	323.625	323.774	0.1498	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.097	0.000	0.000	0.000	0.097	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	323.774	324.004	0.2294	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.229	0.000	0.195	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	324.004	324.162	0.1585	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.103	0.000	0.000	0.000	0.103	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	324.162	324.628	0.4658	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.466	0.000	0.396	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	324.628	324.792	0.1640	TX347	Trawick clay loam, 8 to 20 percent slopes	0.000	0.107	0.000	0.000	0.000	0.107	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Nacogdoches	324.792	324.796	0.0040	TX347	Hannahatchee loam, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	324.796	324.874	0.0783	TX347	Trawick clay loam, 8 to 20 percent slopes	0.000	0.051	0.000	0.000	0.000	0.051	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	324.874	325.118	0.2437	TX347	Hannahatchee loam, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.183	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	325.118	325.155	0.0374	TX347	Trawick clay loam, 8 to 20 percent slopes	0.000	0.024	0.000	0.000	0.000	0.024	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	325.155	325.401	0.2452	TX347	Hannahatchee loam, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.184	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	325.401	325.552	0.1509	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.098	0.000	0.000	0.000	0.098	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	325.552	325.669	0.1178	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.118	0.000	0.100	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	325.669	325.779	0.1097	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.071	0.000	0.000	0.000	0.071	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	325.779	325.827	0.0475	TX347	Hannahatchee loam, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	325.827	325.960	0.1331	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.087	0.000	0.000	0.000	0.087	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	325.960	326.293	0.3332	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.333	0.000	0.267	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	326.293	326.426	0.1332	TX347	Mollville loam	0.000	0.000	0.126	0.133	0.126	0.126	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	326.426	326.650	0.2244	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.224	0.000	0.179	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	326.650	326.937	0.2868	TX347	Mollville loam	0.000	0.000	0.272	0.287	0.272	0.272	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	326.937	327.508	0.5709	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.571	0.000	0.457	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	327.508	327.585	0.0766	TX347	Iuka fine sandy loam, occasionally flooded	0.000	0.000	0.000	0.077	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	327.585	327.620	0.0355	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.035	0.000	0.028	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	327.620	328.180	0.5598	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.560	0.000	0.504	0.000	0.504	0.000
Gulf Coast	TX	Nacogdoches	328.180	328.558	0.3783	TX347	Alto clay loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.378	0.000	0.340	0.000	0.340	0.000
Gulf Coast	TX	Nacogdoches	328.558	328.725	0.1669	TX347	Nacogdoches gravelly fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.142	0.142	0.000	0.000
Gulf Coast	TX	Nacogdoches	328.725	328.806	0.0812	TX347	Nacogdoches clay loam, 2 to 5 percent slopes, eroded	0.000	0.000	0.000	0.000	0.000	0.069	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	328.806	328.854	0.0479	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.048	0.000	0.038	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	328.854	328.877	0.0230	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.023	0.000	0.021	0.000	0.021	0.000
Gulf Coast	TX	Nacogdoches	328.877	328.899	0.0218	TX347	Iuka fine sandy loam, occasionally flooded	0.000	0.000	0.000	0.022	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	328.899	329.225	0.3260	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.326	0.000	0.277	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	329.225	329.356	0.1309	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.131	0.000	0.118	0.000	0.118	0.000
Gulf Coast	TX	Nacogdoches	329.356	329.512	0.1560	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.156	0.000	0.133	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	329.512	329.658	0.1455	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.145	0.000	0.116	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	329.658	329.738	0.0806	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.052	0.000	0.000	0.000	0.052	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	329.738	329.959	0.2210	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.221	0.000	0.188	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	329.959	330.065	0.1054	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.069	0.000	0.000	0.000	0.069	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	330.065	330.109	0.0441	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.044	0.000	0.037	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	330.109	330.162	0.0538	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.035	0.000	0.000	0.000	0.035	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	330.162	330.231	0.0687	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.069	0.000	0.062	0.000	0.062	0.000
Gulf Coast	TX	Nacogdoches	330.231	330.388	0.1567	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.157	0.000	0.133	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	330.388	330.449	0.0614	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.040	0.000	0.000	0.000	0.040	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	330.449	330.517	0.0677	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.068	0.000	0.061	0.000	0.061	0.000
Gulf Coast	TX	Nacogdoches	330.517	330.553	0.0358	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.023	0.000	0.000	0.000	0.023	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	330.553	330.756	0.2032	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.203	0.000	0.183	0.000	0.183	0.000
Gulf Coast	TX	Nacogdoches	330.756	330.756	0.0004	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	330.756	330.844	0.0879	TX347	Nacogdoches gravelly fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.075	0.075	0.000	0.000
Gulf Coast	TX	Nacogdoches	330.844	331.067	0.2228	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.223	0.000	0.201	0.000	0.201	0.000
Gulf Coast	TX	Nacogdoches	331.067	331.213	0.1459	TX347	Briley loamy fine sand, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.131	0.000	0.000	0.131
Gulf Coast	TX	Nacogdoches	331.213	331.538	0.3254	TX347	Trawick clay loam, 8 to 20 percent slopes	0.000	0.212	0.000	0.000	0.000	0.212	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	331.538	332.002	0.4632	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.000	0.000	0.000	0.463	0.000	0.394	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	332.002	332.083	0.0817	TX347	Bernaldo-Besner complex	0.000	0.000	0.000	0.082	0.000	0.065	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	332.083	332.188	0.1043	TX347	Attoyac fine sandy loam, 8 to 15 percent slopes	0.000	0.089	0.000	0.000	0.000	0.089	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	332.188	332.335	0.1478	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.148	0.000	0.118	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	332.335	332.707	0.3717	TX347	Bernaldo-Besner complex	0.000	0.000	0.000	0.372	0.000	0.297	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	332.707	332.872	0.1649	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.132	0.000	0.000	0.000	0.132	0.000	0.132	0.000
Gulf Coast	TX	Nacogdoches	332.872	332.976	0.1038	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.104	0.000	0.083	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	332.976	333.218	0.2418	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.157	0.000	0.000	0.000	0.157	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	333.218	333.267	0.0494	TX347	Mantachie soils, frequently flooded	0.000	0.000	0.000	0.000	0.042	0.042	0.000	0.000	0.000
Gulf Coast	TX	Nacogdoches	333.267	333.283	0.0153	TX347	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	333.283	333.295	0.0122	TX073	Water greater than 40 acres in size	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	333.295	333.613	0.3181	TX073	Ochlockonee loamy fine sand	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.318
Gulf Coast	TX	Cherokee	333.613	334.159	0.5463	TX073	Iuka fine sandy loam	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Cherokee	334.159	334.232	0.0733	TX073	Mantachie clay loam	0.000	0.000	0.000	0.000	0.070	0.070	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	334.232	334.395	0.1630	TX073	Iuka fine sandy loam	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	334.395	334.416	0.0203	TX073	Mantachie clay loam	0.000	0.000	0.000	0.000	0.019	0.019	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	334.416	334.437	0.0211	TX073	Iuka fine sandy loam	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	334.437	334.509	0.0718	TX073	Mantachie clay loam	0.000	0.000	0.000	0.000	0.068	0.068	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	334.509	334.738	0.2295	TX073	Iuka fine sandy loam	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	334.738	335.226	0.4881	TX073	Marietta clay loam	0.000	0.000	0.000	0.000	0.000	0.415	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	335.226	335.502	0.2755	TX073	Mantachie clay loam	0.000	0.000	0.000	0.000	0.262	0.262	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	335.502	335.717	0.2152	TX073	Marietta clay loam	0.000	0.000	0.000	0.000	0.000	0.183	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	335.717	336.413	0.6963	TX073	Mantachie clay loam	0.000	0.000	0.000	0.000	0.661	0.661	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	336.413	336.443	0.0296	TX073	Cuthbert fine sandy loam, strongly sloping	0.000	0.025	0.000	0.000	0.000	0.025	0.000	0.025	0.000
Gulf Coast	TX	Cherokee	336.443	336.454	0.0108	TX073	Betis loamy fine sand, nearly level	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011
Gulf Coast	TX	Cherokee	336.454	336.506	0.0528	TX073	Sacul fine sandy loam, strongly sloping	0.000	0.053	0.000	0.000	0.000	0.053	0.000	0.000	0.053
Gulf Coast	TX	Cherokee	336.506	336.543	0.0366	TX073	Bowie fine sandy loam, sloping	0.000	0.000	0.000	0.000	0.000	0.037	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	336.543	336.776	0.2329	TX073	Ruston fine sandy loam, sloping	0.000	0.000	0.000	0.233	0.000	0.233	0.000	0.000	0.233
Gulf Coast	TX	Cherokee	336.776	336.956	0.1801	TX073	Cuthbert fine sandy loam, strongly sloping	0.000	0.153	0.000	0.000	0.000	0.153	0.000	0.153	0.000
Gulf Coast	TX	Cherokee	336.956	337.007	0.0509	TX073	Ruston fine sandy loam, sloping	0.000	0.000	0.000	0.051	0.000	0.051	0.000	0.000	0.051
Gulf Coast	TX	Cherokee	337.007	337.265	0.2580	TX073	Nacogdoches fine sandy loam, sloping	0.000	0.000	0.000	0.000	0.000	0.258	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	337.265	337.393	0.1286	TX073	Elrose fine sandy loam, sloping	0.000	0.000	0.000	0.000	0.000	0.129	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	337.393	337.566	0.1721	TX073	Elrose fine sandy loam, strongly sloping	0.000	0.172	0.000	0.000	0.000	0.172	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	337.566	337.737	0.1715	TX073	Iuka fine sandy loam	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	337.737	337.816	0.0795	TX073	Trawick fine sandy loam, strongly sloping	0.000	0.079	0.000	0.000	0.000	0.079	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	337.816	338.063	0.2467	TX073	Nacogdoches fine sandy loam, gently sloping	0.000	0.000	0.000	0.247	0.000	0.247	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	338.063	338.146	0.0827	TX073	Percilla soils	0.000	0.000	0.000	0.000	0.079	0.079	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	338.146	338.400	0.2546	TX073	LaCerda clay, nearly level	0.000	0.000	0.000	0.255	0.000	0.255	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	338.400	338.532	0.1318	TX073	Woodtell fine sandy loam, sloping	0.000	0.000	0.000	0.000	0.000	0.132	0.000	0.132	0.000
Gulf Coast	TX	Cherokee	338.532	338.541	0.0090	TX073	Sacul fine sandy loam, strongly sloping	0.000	0.009	0.000	0.000	0.000	0.009	0.000	0.000	0.009
Gulf Coast	TX	Cherokee	338.541	338.546	0.0043	TX073	Woodtell fine sandy loam, sloping	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.004	0.000
Gulf Coast	TX	Cherokee	338.546	338.548	0.0024	TX073	LaCerda clay, nearly level	0.000	0.000	0.000	0.002	0.000	0.002	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	338.548	338.873	0.3254	TX073	LaCerda clay loam, gently sloping	0.000	0.000	0.000	0.325	0.000	0.325	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	338.873	339.006	0.1327	TX073	LaCerda clay, nearly level	0.000	0.000	0.000	0.133	0.000	0.133	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	339.006	339.010	0.0036	TX073	LaCerda clay loam, gently sloping	0.000	0.000	0.000	0.004	0.000	0.004	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	339.010	339.019	0.0089	TX073	Sacul fine sandy loam, strongly sloping	0.000	0.009	0.000	0.000	0.000	0.009	0.000	0.000	0.009
Gulf Coast	TX	Cherokee	339.019	339.070	0.0517	TX073	LaCerda clay loam, gently sloping	0.000	0.000	0.000	0.052	0.000	0.052	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	339.070	339.090	0.0196	TX073	Woodtell fine sandy loam, gently sloping	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.020	0.000
Gulf Coast	TX	Cherokee	339.090	339.442	0.3527	TX073	Woodtell fine sandy loam, sloping	0.000	0.000	0.000	0.000	0.000	0.353	0.000	0.353	0.000
Gulf Coast	TX	Cherokee	339.442	339.516	0.0737	TX073	Woodtell fine sandy loam, gently sloping	0.000	0.000	0.000	0.000	0.000	0.074	0.000	0.074	0.000
Gulf Coast	TX	Cherokee	339.516	339.676	0.1602	TX073	Sacul fine sandy loam, gently sloping	0.000	0.000	0.000	0.000	0.000	0.160	0.000	0.000	0.160
Gulf Coast	TX	Cherokee	339.676	339.739	0.0623	TX073	Woodtell fine sandy loam, sloping	0.000	0.000	0.000	0.000	0.000	0.062	0.000	0.062	0.000
Gulf Coast	TX	Cherokee	339.739	339.803	0.0645	TX073	Woodtell fine sandy loam, gently sloping	0.000	0.000	0.000	0.000	0.000	0.064	0.000	0.064	0.000
Gulf Coast	TX	Cherokee	339.803	339.916	0.1131	TX073	Percilla soils	0.000	0.000	0.000	0.000	0.107	0.107	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	339.916	339.957	0.0410	TX073	Nacogdoches fine sandy loam, sloping, eroded	0.000	0.000	0.000	0.000	0.000	0.041	0.000	0.000	0.000
Gulf Coast	TX	Cherokee	339.957	340.004	0.0469	TX073	Elrose fine sandy loam, gently sloping	0.000	0.000	0.000	0.047	0.000	0.047	0.000	0.000	0.000
Gulf Coast	TX	Angelina	340.004	340.960	0.9555	TX005	Woodtell very fine sandy loam, 1 to 5 percent slopes	0.000	0.096	0.000	0.000	0.000	0.955	0.000	0.955	0.000
Gulf Coast	TX	Angelina	340.960	341.243	0.2831	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.283	0.000	0.249	0.000	0.000	0.000
Gulf Coast	TX	Angelina	341.243	341.313	0.0707	TX005	Keithville-Sawtown complex, gently undulating	0.000	0.000	0.000	0.071	0.000	0.064	0.000	0.000	0.000
Gulf Coast	TX	Angelina	341.313	341.371	0.0578	TX005	Iuka fine sandy loam, occasionally flooded	0.000	0.000	0.000	0.058	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Angelina	341.371	341.606	0.2349	TX005	Keithville-Sawtown complex, gently undulating	0.000	0.000	0.000	0.235	0.000	0.211	0.000	0.000	0.000
Gulf Coast	TX	Angelina	341.606	341.778	0.1720	TX005	Iuka fine sandy loam, occasionally flooded	0.000	0.000	0.000	0.172	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Angelina	341.778	342.027	0.2486	TX005	Woodtell very fine sandy loam, 1 to 5 percent slopes	0.000	0.025	0.000	0.000	0.000	0.249	0.000	0.249	0.000
Gulf Coast	TX	Angelina	342.027	342.124	0.0977	TX005	Millboro-Boro silty clays, 6 to 9 percent slopes, PA2	0.000	0.088	0.000	0.000	0.000	0.098	0.000	0.088	0.000
Gulf Coast	TX	Angelina	342.124	342.214	0.0900	TX005	Woodtell very fine sandy loam, 1 to 5 percent slopes	0.000	0.009	0.000	0.000	0.000	0.090	0.000	0.090	0.000
Gulf Coast	TX	Angelina	342.214	342.306	0.0915	TX005	Millboro-Boro silty clays, 6 to 9 percent slopes, PA2	0.000	0.082	0.000	0.000	0.000	0.091	0.000	0.082	0.000
Gulf Coast	TX	Angelina	342.306	342.428	0.1228	TX005	Woodtell very fine sandy loam, 1 to 5 percent slopes	0.000	0.012	0.000	0.000	0.000	0.123	0.000	0.123	0.000
Gulf Coast	TX	Angelina	342.428	342.523	0.0946	TX005	Millboro-Boro silty clays, 6 to 9 percent slopes, PA2	0.000	0.085	0.000	0.000	0.000	0.095	0.000	0.085	0.000
Gulf Coast	TX	Angelina	342.523	342.552	0.0290	TX005	Kirvin fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.023	0.000	0.023	0.000
Gulf Coast	TX	Angelina	342.552	342.846	0.2938	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.235	0.000	0.000	0.000	0.235	0.000	0.235	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Angelina	342.846	343.396	0.5500	TX005	Kirvin fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.440	0.000	0.440	0.000
Gulf Coast	TX	Angelina	343.396	343.568	0.1722	TX005	Keithville-Sawtown complex, gently undulating	0.000	0.000	0.000	0.172	0.000	0.155	0.000	0.000	0.000
Gulf Coast	TX	Angelina	343.568	343.606	0.0379	TX005	Kirvin fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.030	0.000	0.030	0.000
Gulf Coast	TX	Angelina	343.606	343.708	0.1023	TX005	Keithville-Sawtown complex, gently undulating	0.000	0.000	0.000	0.102	0.000	0.092	0.000	0.000	0.000
Gulf Coast	TX	Angelina	343.708	343.772	0.0635	TX005	Kirvin fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.051	0.000	0.051	0.000
Gulf Coast	TX	Angelina	343.772	344.044	0.2722	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.218	0.000	0.000	0.000	0.218	0.000	0.218	0.000
Gulf Coast	TX	Angelina	344.044	344.256	0.2121	TX005	Iuka fine sandy loam, occasionally flooded	0.000	0.000	0.000	0.212	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Angelina	344.256	344.298	0.0421	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.034	0.000	0.000	0.000	0.034	0.000	0.034	0.000
Gulf Coast	TX	Angelina	344.298	344.494	0.1959	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.196	0.000	0.172	0.000	0.000	0.000
Gulf Coast	TX	Angelina	344.494	344.549	0.0552	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.044	0.000	0.000	0.000	0.044	0.000	0.044	0.000
Gulf Coast	TX	Angelina	344.549	344.668	0.1183	TX005	Iuka fine sandy loam, occasionally flooded	0.000	0.000	0.000	0.118	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Angelina	344.668	344.780	0.1122	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.090	0.000	0.000	0.000	0.090	0.000	0.090	0.000
Gulf Coast	TX	Angelina	344.780	344.948	0.1686	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.169	0.000	0.148	0.000	0.000	0.000
Gulf Coast	TX	Angelina	344.948	345.319	0.3703	TX005	Keithville-Sawtown complex, gently undulating	0.000	0.000	0.000	0.370	0.000	0.333	0.000	0.000	0.000
Gulf Coast	TX	Angelina	345.319	345.416	0.0969	TX005	Kirvin fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.078	0.000	0.078	0.000
Gulf Coast	TX	Angelina	345.416	345.553	0.1371	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.110	0.000	0.000	0.000	0.110	0.000	0.110	0.000
Gulf Coast	TX	Angelina	345.553	345.614	0.0609	TX005	Kirvin fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.049	0.000	0.049	0.000
Gulf Coast	TX	Angelina	345.614	345.774	0.1606	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.129	0.000	0.000	0.000	0.129	0.000	0.129	0.000
Gulf Coast	TX	Angelina	345.774	345.895	0.1203	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.120	0.000	0.106	0.000	0.000	0.000
Gulf Coast	TX	Angelina	345.895	346.064	0.1697	TX005	Keithville-Sawtown complex, gently undulating	0.000	0.000	0.000	0.170	0.000	0.153	0.000	0.000	0.000
Gulf Coast	TX	Angelina	346.064	346.177	0.1123	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.112	0.000	0.099	0.000	0.000	0.000
Gulf Coast	TX	Angelina	346.177	346.330	0.1529	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.122	0.000	0.000	0.000	0.122	0.000	0.122	0.000
Gulf Coast	TX	Angelina	346.330	346.463	0.1338	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.134	0.000	0.118	0.000	0.000	0.000
Gulf Coast	TX	Angelina	346.463	346.544	0.0810	TX005	Attoyac fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.081	0.000	0.081	0.000	0.000	0.000
Gulf Coast	TX	Angelina	346.544	346.673	0.1290	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.103	0.000	0.000	0.000	0.103	0.000	0.103	0.000
Gulf Coast	TX	Angelina	346.673	346.762	0.0888	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.089	0.000	0.078	0.000	0.000	0.000
Gulf Coast	TX	Angelina	346.762	346.840	0.0778	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.062	0.000	0.000	0.000	0.062	0.000	0.062	0.000
Gulf Coast	TX	Angelina	346.840	347.328	0.4879	TX005	Ozias silty clay, frequently flooded	0.000	0.000	0.390	0.000	0.390	0.390	0.000	0.000	0.000
Gulf Coast	TX	Angelina	347.328	348.043	0.7150	TX005	Mollville-Besner complex, gently undulating	0.000	0.000	0.322	0.715	0.322	0.643	0.000	0.000	0.000
Gulf Coast	TX	Angelina	348.043	348.403	0.3606	TX005	Ozias silty clay, frequently flooded	0.000	0.000	0.288	0.000	0.288	0.288	0.000	0.000	0.000
Gulf Coast	TX	Angelina	348.403	348.468	0.0650	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.052	0.000	0.000	0.000	0.052	0.000	0.052	0.000
Gulf Coast	TX	Angelina	348.468	348.596	0.1279	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.128	0.000	0.113	0.000	0.000	0.000
Gulf Coast	TX	Angelina	348.596	348.727	0.1303	TX005	Attoyac fine sandy loam, 8 to 15 percent slopes	0.000	0.111	0.000	0.000	0.000	0.111	0.000	0.000	0.000
Gulf Coast	TX	Angelina	348.727	349.073	0.3465	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.347	0.000	0.305	0.000	0.000	0.000
Gulf Coast	TX	Angelina	349.073	349.437	0.3640	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.291	0.000	0.000	0.000	0.291	0.000	0.291	0.000
Gulf Coast	TX	Angelina	349.437	349.594	0.1572	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.157	0.000	0.138	0.000	0.000	0.000
Gulf Coast	TX	Angelina	349.594	349.709	0.1148	TX005	Darco loamy fine sandy, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.115	0.000	0.000	0.115
Gulf Coast	TX	Angelina	349.709	349.784	0.0750	TX005	Attoyac fine sandy loam, 8 to 15 percent slopes	0.000	0.064	0.000	0.000	0.000	0.064	0.000	0.000	0.000
Gulf Coast	TX	Angelina	349.784	349.902	0.1184	TX005	Darco loamy fine sandy, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.118	0.000	0.000	0.118
Gulf Coast	TX	Angelina	349.902	350.021	0.1183	TX005	Attoyac fine sandy loam, 8 to 15 percent slopes	0.000	0.101	0.000	0.000	0.000	0.101	0.000	0.000	0.000
Gulf Coast	TX	Angelina	350.021	350.186	0.1656	TX005	Koury loam, frequently flooded	0.000	0.000	0.149	0.000	0.000	0.149	0.000	0.000	0.000
Gulf Coast	TX	Angelina	350.186	350.550	0.3633	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.327	0.000	0.000	0.000	0.363	0.000	0.073	0.036
Gulf Coast	TX	Angelina	350.550	350.680	0.1307	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.124	0.000	0.105	0.000	0.000	0.000
Gulf Coast	TX	Angelina	350.680	350.789	0.1085	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.098	0.000	0.000	0.000	0.109	0.000	0.022	0.011
Gulf Coast	TX	Angelina	350.789	350.946	0.1571	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.149	0.000	0.126	0.000	0.000	0.000
Gulf Coast	TX	Angelina	350.946	351.078	0.1325	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.119	0.000	0.000	0.000	0.133	0.000	0.027	0.013
Gulf Coast	TX	Angelina	351.078	351.190	0.1112	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.083	0.111	0.000	0.083	0.000	0.000	0.083
Gulf Coast	TX	Angelina	351.190	351.625	0.4352	TX005	Ozias silty clay, frequently flooded	0.000	0.000	0.348	0.000	0.348	0.348	0.000	0.000	0.000
Gulf Coast	TX	Angelina	351.625	351.670	0.0451	TX005	Koury loam, frequently flooded	0.000	0.000	0.041	0.000	0.000	0.041	0.000	0.000	0.000
Gulf Coast	TX	Angelina	351.670	351.686	0.0156	TX005	Ozias silty clay, frequently flooded	0.000	0.000	0.012	0.000	0.012	0.012	0.000	0.000	0.000
Gulf Coast	TX	Angelina	351.686	351.718	0.0322	TX005	Koury loam, frequently flooded	0.000	0.000	0.029	0.000	0.000	0.029	0.000	0.000	0.000
Gulf Coast	TX	Angelina	351.718	351.760	0.0421	TX005	Ozias silty clay, frequently flooded	0.000	0.000	0.034	0.000	0.034	0.034	0.000	0.000	0.000
Gulf Coast	TX	Angelina	351.760	352.053	0.2931	TX005	Koury loam, frequently flooded	0.000	0.000	0.264	0.000	0.000	0.264	0.000	0.000	0.000
Gulf Coast	TX	Angelina	352.053	352.146	0.0933	TX005	Bienville loamy fine sand, 0 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.075
Gulf Coast	TX	Angelina	352.146	352.356	0.2099	TX005	Koury loam, frequently flooded	0.000	0.000	0.189	0.000	0.000	0.189	0.000	0.000	0.000
Gulf Coast	TX	Angelina	352.356	352.483	0.1266	TX005	Ozias silty clay, frequently flooded	0.000	0.000	0.101	0.000	0.101	0.101	0.000	0.000	0.000
Gulf Coast	TX	Angelina	352.483	352.534	0.0510	TX005	Koury loam, occasionally flooded	0.000	0.000	0.043	0.051	0.000	0.043	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Angelina	352.534	352.994	0.4607	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.415	0.000	0.000	0.000	0.461	0.000	0.092	0.046
Gulf Coast	TX	Angelina	352.994	353.120	0.1260	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.120	0.000	0.101	0.000	0.000	0.000
Gulf Coast	TX	Angelina	353.120	353.276	0.1553	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.140	0.000	0.000	0.000	0.155	0.000	0.031	0.016
Gulf Coast	TX	Angelina	353.276	353.456	0.1801	TX005	Herty very fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.153	0.000	0.000	0.153	0.000	0.000	0.000
Gulf Coast	TX	Angelina	353.456	353.949	0.4932	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.419	0.000	0.000	0.419	0.000	0.419	0.000
Gulf Coast	TX	Angelina	353.949	354.400	0.4512	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.406	0.000	0.000	0.000	0.451	0.000	0.090	0.045
Gulf Coast	TX	Angelina	354.400	354.527	0.1267	TX005	Koury loam, occasionally flooded	0.000	0.000	0.108	0.127	0.000	0.108	0.000	0.000	0.000
Gulf Coast	TX	Angelina	354.527	354.550	0.0235	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.020	0.000	0.000	0.020	0.000	0.020	0.000
Gulf Coast	TX	Angelina	354.550	354.646	0.0954	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.086	0.000	0.000	0.000	0.095	0.000	0.019	0.010
Gulf Coast	TX	Angelina	354.646	354.856	0.2104	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.200	0.000	0.168	0.000	0.000	0.000
Gulf Coast	TX	Angelina	354.856	354.992	0.1354	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.115	0.000	0.000	0.115	0.000	0.115	0.000
Gulf Coast	TX	Angelina	354.992	355.182	0.1904	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.181	0.000	0.152	0.000	0.000	0.000
Gulf Coast	TX	Angelina	355.182	355.365	0.1826	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.155	0.000	0.000	0.155	0.000	0.155	0.000
Gulf Coast	TX	Angelina	355.365	355.440	0.0756	TX005	Keltys fine sandy loam, 5 to 15 percent slopes	0.000	0.000	0.060	0.000	0.000	0.072	0.000	0.000	0.060
Gulf Coast	TX	Angelina	355.440	355.498	0.0575	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.049	0.000	0.000	0.049	0.000	0.049	0.000
Gulf Coast	TX	Angelina	355.498	355.529	0.0313	TX005	Keltys fine sandy loam, 5 to 15 percent slopes	0.000	0.000	0.025	0.000	0.000	0.030	0.000	0.000	0.025
Gulf Coast	TX	Angelina	355.529	355.656	0.1266	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.108	0.000	0.000	0.108	0.000	0.108	0.000
Gulf Coast	TX	Angelina	355.656	355.778	0.1228	TX005	Keltys fine sandy loam, 5 to 15 percent slopes	0.000	0.000	0.098	0.000	0.000	0.117	0.000	0.000	0.098
Gulf Coast	TX	Angelina	355.778	356.173	0.3948	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.375	0.000	0.316	0.000	0.000	0.000
Gulf Coast	TX	Angelina	356.173	356.226	0.0525	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.047	0.000	0.000	0.000	0.052	0.000	0.010	0.005
Gulf Coast	TX	Angelina	356.226	356.304	0.0787	TX005	Alazan very fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.079	0.000	0.063	0.000	0.000	0.000
Gulf Coast	TX	Angelina	356.304	356.462	0.1572	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.149	0.000	0.126	0.000	0.000	0.000
Gulf Coast	TX	Angelina	356.462	356.499	0.0370	TX005	Rosenwall fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.004	0.000	0.000	0.037	0.000	0.007	0.004
Gulf Coast	TX	Angelina	356.499	356.677	0.1782	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.151	0.000	0.000	0.151	0.000	0.151	0.000
Gulf Coast	TX	Angelina	356.677	356.711	0.0341	TX005	Keltys fine sandy loam, 5 to 15 percent slopes	0.000	0.000	0.027	0.000	0.000	0.032	0.000	0.000	0.027
Gulf Coast	TX	Angelina	356.711	356.924	0.2127	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.191	0.000	0.000	0.000	0.213	0.000	0.043	0.021
Gulf Coast	TX	Angelina	356.924	357.053	0.1298	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.097	0.130	0.000	0.097	0.000	0.000	0.097
Gulf Coast	TX	Angelina	357.053	357.112	0.0587	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.053	0.000	0.000	0.000	0.059	0.000	0.012	0.006
Gulf Coast	TX	Angelina	357.112	357.181	0.0690	TX005	Rosenwall fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.007	0.000	0.000	0.069	0.000	0.014	0.007
Gulf Coast	TX	Angelina	357.181	357.283	0.1018	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.092	0.000	0.000	0.000	0.102	0.000	0.020	0.010
Gulf Coast	TX	Angelina	357.283	357.418	0.1355	TX005	Rosenwall fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.014	0.000	0.000	0.136	0.000	0.027	0.014
Gulf Coast	TX	Angelina	357.418	357.553	0.1349	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.128	0.000	0.108	0.000	0.000	0.000
Gulf Coast	TX	Angelina	357.553	357.618	0.0641	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.058	0.000	0.000	0.000	0.064	0.000	0.013	0.006
Gulf Coast	TX	Angelina	357.618	357.684	0.0669	TX005	Keltys fine sandy loam, 5 to 15 percent slopes	0.000	0.000	0.054	0.000	0.000	0.064	0.000	0.000	0.054
Gulf Coast	TX	Angelina	357.684	358.010	0.3252	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.309	0.000	0.260	0.000	0.000	0.000
Gulf Coast	TX	Angelina	358.010	358.060	0.0499	TX005	Koury loam, frequently flooded	0.000	0.000	0.045	0.000	0.000	0.045	0.000	0.000	0.000
Gulf Coast	TX	Angelina	358.060	358.089	0.0291	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.026	0.000	0.000	0.000	0.029	0.000	0.006	0.003
Gulf Coast	TX	Angelina	358.089	358.717	0.6288	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.534	0.000	0.000	0.534	0.000	0.534	0.000
Gulf Coast	TX	Angelina	358.717	358.760	0.0429	TX005	Moswell loam, 5 to 15 percent slopes	0.000	0.034	0.039	0.000	0.000	0.043	0.004	0.039	0.000
Gulf Coast	TX	Angelina	358.760	358.960	0.1992	TX005	Darco loamy fine sandy, 1 to 8 percent slopes	0.199	0.000	0.000	0.000	0.000	0.199	0.000	0.000	0.199
Gulf Coast	TX	Angelina	358.960	359.068	0.1089	TX005	Moswell loam, 5 to 15 percent slopes	0.000	0.087	0.098	0.000	0.000	0.109	0.011	0.098	0.000
Gulf Coast	TX	Angelina	359.068	359.282	0.2137	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.182	0.000	0.000	0.182	0.000	0.182	0.000
Gulf Coast	TX	Angelina	359.282	359.362	0.0797	TX005	Moten-Mutley complex, gently undulating	0.000	0.000	0.072	0.080	0.000	0.072	0.000	0.000	0.000
Gulf Coast	TX	Angelina	359.362	360.318	0.9565	TX005	Ozias silty clay, frequently flooded	0.000	0.000	0.765	0.000	0.765	0.765	0.000	0.000	0.000
Gulf Coast	TX	Angelina	360.318	360.391	0.0727	TX005	Attoyac fine sandy loam, 8 to 15 percent slopes	0.000	0.062	0.000	0.000	0.000	0.062	0.000	0.000	0.000
Gulf Coast	TX	Angelina	360.391	361.219	0.8277	TX005	Moten-Mutley complex, gently undulating	0.000	0.000	0.745	0.828	0.000	0.745	0.000	0.000	0.000
Gulf Coast	TX	Angelina	361.219	361.378	0.1590	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.119	0.159	0.000	0.119	0.000	0.000	0.119
Gulf Coast	TX	Angelina	361.378	361.738	0.3603	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.306	0.000	0.000	0.306	0.000	0.306	0.000
Gulf Coast	TX	Angelina	361.738	361.873	0.1347	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.101	0.135	0.000	0.101	0.000	0.000	0.101
Gulf Coast	TX	Angelina	361.873	362.565	0.6923	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.588	0.000	0.000	0.588	0.000	0.588	0.000
Gulf Coast	TX	Angelina	362.565	363.130	0.5651	TX005	Moten-Mutley complex, gently undulating	0.000	0.000	0.509	0.565	0.000	0.509	0.000	0.000	0.000
Gulf Coast	TX	Angelina	363.130	363.395	0.2649	TX005	Koury loam, frequently flooded	0.000	0.000	0.238	0.000	0.000	0.238	0.000	0.000	0.000
Gulf Coast	TX	Angelina	363.395	363.534	0.1389	TX005	Bienville loamy fine sand, 0 to 5 percent slopes	0.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.111
Gulf Coast	TX	Angelina	363.534	363.830	0.2957	TX005	Moten-Mutley complex, gently undulating	0.000	0.000	0.266	0.296	0.000	0.266	0.000	0.000	0.000
Gulf Coast	TX	Angelina	363.830	363.860	0.0306	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.023	0.031	0.000	0.023	0.000	0.000	0.023
Gulf Coast	TX	Angelina	363.860	364.372	0.5117	TX005	Moten-Mutley complex, gently undulating	0.000	0.000	0.460	0.512	0.000	0.460	0.000	0.000	0.000
Gulf Coast	TX	Angelina	364.372	364.547	0.1752	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.131	0.175	0.000	0.131	0.000	0.000	0.131

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Angelina	364.547	364.961	0.4140	TX005	Alazan very fine sandy loam, 0 to 4 percent slopes	0.000	0.000	0.000	0.414	0.000	0.331	0.000	0.000	0.000
Gulf Coast	TX	Angelina	364.961	365.394	0.4326	TX005	Ozias silty clay, frequently flooded	0.000	0.000	0.346	0.000	0.346	0.346	0.000	0.000	0.000
Gulf Coast	TX	Angelina	365.394	365.485	0.0916	TX005	Koury loam, frequently flooded	0.000	0.000	0.082	0.000	0.000	0.082	0.000	0.000	0.000
Gulf Coast	TX	Angelina	365.485	365.648	0.1624	TX005	Moten-Mutley complex, gently undulating	0.000	0.000	0.146	0.162	0.000	0.146	0.000	0.000	0.000
Gulf Coast	TX	Angelina	365.648	365.724	0.0766	TX005	Ozias silty clay, frequently flooded	0.000	0.000	0.061	0.000	0.061	0.061	0.000	0.000	0.000
Gulf Coast	TX	Angelina	365.724	366.424	0.6999	TX005	Moten-Mutley complex, gently undulating	0.000	0.000	0.630	0.700	0.000	0.630	0.000	0.000	0.000
Gulf Coast	TX	Angelina	366.424	366.500	0.0758	TX005	Mollville-Besner complex, gently undulating	0.000	0.000	0.034	0.076	0.034	0.068	0.000	0.000	0.000
Gulf Coast	TX	Angelina	366.500	366.684	0.1837	TX005	Koury loam, frequently flooded	0.000	0.000	0.165	0.000	0.000	0.165	0.000	0.000	0.000
Gulf Coast	TX	Angelina	366.684	367.314	0.6300	TX005	Ozias silty clay, frequently flooded	0.000	0.000	0.504	0.000	0.504	0.504	0.000	0.000	0.000
Gulf Coast	TX	Polk	367.314	368.540	1.2263	TX617	Ozias-Pophers complex, frequently flooded	0.000	0.000	1.042	0.000	1.042	1.042	0.000	0.000	0.000
Gulf Coast	TX	Polk	368.540	368.929	0.3885	TX617	Pophers silty clay loam, frequently flooded	0.000	0.000	0.330	0.000	0.330	0.330	0.000	0.000	0.000
Gulf Coast	TX	Polk	368.929	369.199	0.2703	TX617	Ozias-Pophers complex, frequently flooded	0.000	0.000	0.230	0.000	0.230	0.230	0.000	0.000	0.000
Gulf Coast	TX	Polk	369.199	369.468	0.2696	TX617	Pophers silty clay loam, frequently flooded	0.000	0.000	0.229	0.000	0.229	0.229	0.000	0.000	0.000
Gulf Coast	TX	Polk	369.468	369.921	0.4525	TX617	Moswell fine sandy loam, 5 to 12 percent slopes	0.000	0.362	0.362	0.000	0.000	0.362	0.000	0.362	0.000
Gulf Coast	TX	Polk	369.921	370.120	0.1994	TX617	Moswell fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.160	0.000	0.000	0.160	0.000	0.160	0.000
Gulf Coast	TX	Polk	370.120	370.749	0.6286	TX617	Moswell fine sandy loam, 5 to 12 percent slopes	0.000	0.503	0.503	0.000	0.000	0.503	0.000	0.503	0.000
Gulf Coast	TX	Polk	370.749	371.434	0.6855	TX617	Kellison silt loam, 3 to 5 percent slopes	0.000	0.000	0.480	0.000	0.000	0.480	0.000	0.000	0.000
Gulf Coast	TX	Polk	371.434	371.722	0.2878	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	0.000	0.000	0.216	0.000	0.000	0.216	0.000	0.115	0.101
Gulf Coast	TX	Polk	371.722	371.926	0.2040	TX617	Colita variant-Kitterll complex, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.102	0.000	0.000	0.000
Gulf Coast	TX	Polk	371.926	372.089	0.1627	TX617	Moswell fine sandy loam, 5 to 12 percent slopes	0.000	0.130	0.130	0.000	0.000	0.130	0.000	0.130	0.000
Gulf Coast	TX	Polk	372.089	372.517	0.4277	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	0.000	0.000	0.321	0.000	0.000	0.321	0.000	0.171	0.150
Gulf Coast	TX	Polk	372.517	372.634	0.1172	TX617	Kian and Mantachie soils, frequently flooded	0.047	0.000	0.000	0.000	0.088	0.088	0.000	0.000	0.000
Gulf Coast	TX	Polk	372.634	373.006	0.3717	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	0.000	0.000	0.279	0.000	0.000	0.279	0.000	0.149	0.130
Gulf Coast	TX	Polk	373.006	373.098	0.0928	TX617	Kian and Mantachie soils, frequently flooded	0.037	0.000	0.000	0.000	0.070	0.070	0.000	0.000	0.000
Gulf Coast	TX	Polk	373.098	373.276	0.1778	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	0.000	0.000	0.133	0.000	0.000	0.133	0.000	0.071	0.062
Gulf Coast	TX	Polk	373.276	373.522	0.2454	TX617	Kian and Mantachie soils, frequently flooded	0.098	0.000	0.000	0.000	0.184	0.184	0.000	0.000	0.000
Gulf Coast	TX	Polk	373.522	373.896	0.3749	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	0.000	0.000	0.281	0.000	0.000	0.281	0.000	0.150	0.131
Gulf Coast	TX	Polk	373.896	374.311	0.4150	TX617	Kian and Mantachie soils, frequently flooded	0.166	0.000	0.000	0.000	0.311	0.311	0.000	0.000	0.000
Gulf Coast	TX	Polk	374.311	374.353	0.0418	TX617	Moswell fine sandy loam, 5 to 12 percent slopes	0.000	0.033	0.033	0.000	0.000	0.033	0.000	0.033	0.000
Gulf Coast	TX	Polk	374.353	374.812	0.4592	TX617	Boykin loamy fine sand, 1 to 5 percent slopes	0.459	0.000	0.000	0.000	0.000	0.413	0.000	0.000	0.413
Gulf Coast	TX	Polk	374.812	375.548	0.7355	TX617	Kian and Mantachie soils, frequently flooded	0.294	0.000	0.000	0.000	0.552	0.552	0.000	0.000	0.000
Gulf Coast	TX	Polk	375.548	376.734	1.1857	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	0.000	0.000	0.889	0.000	0.000	0.889	0.000	0.474	0.415
Gulf Coast	TX	Polk	376.734	377.163	0.4291	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.000	0.000	0.000	0.429	0.000	0.172	0.000	0.000	0.150
Gulf Coast	TX	Polk	377.163	377.229	0.0661	TX617	Colita variant-Kitterll complex, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.033	0.000	0.000	0.000
Gulf Coast	TX	Polk	377.229	377.262	0.0336	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.000	0.000	0.000	0.034	0.000	0.013	0.000	0.000	0.012
Gulf Coast	TX	Polk	377.262	377.413	0.1506	TX617	Colita variant-Kitterll complex, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.075	0.000	0.000	0.000
Gulf Coast	TX	Polk	377.413	377.563	0.1504	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.000	0.000	0.000	0.150	0.000	0.060	0.000	0.000	0.053
Gulf Coast	TX	Polk	377.563	377.657	0.0940	TX617	Colita variant-Kitterll complex, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.047	0.000	0.000	0.000
Gulf Coast	TX	Polk	377.657	377.941	0.2836	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.000	0.000	0.000	0.284	0.000	0.113	0.000	0.000	0.099
Gulf Coast	TX	Polk	377.941	378.186	0.2454	TX617	Laska fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.245	0.000	0.000	0.000	0.000	0.184
Gulf Coast	TX	Polk	378.186	378.339	0.1525	TX617	Colita variant-Kitterll complex, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.076	0.000	0.000	0.000
Gulf Coast	TX	Polk	378.339	378.392	0.0536	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.000	0.000	0.000	0.054	0.000	0.021	0.000	0.000	0.019
Gulf Coast	TX	Polk	378.392	378.515	0.1223	TX617	Colita variant-Kitterll complex, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.061	0.000	0.000	0.000
Gulf Coast	TX	Polk	378.515	378.869	0.3538	TX617	Rayburn fine sandy loam, 5 to 15 percent slopes	0.000	0.283	0.000	0.000	0.000	0.283	0.000	0.000	0.000
Gulf Coast	TX	Polk	378.869	379.109	0.2403	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.000	0.000	0.000	0.240	0.000	0.096	0.000	0.000	0.084
Gulf Coast	TX	Polk	379.109	379.338	0.2287	TX617	Laska fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.229	0.000	0.000	0.000	0.000	0.172
Gulf Coast	TX	Polk	379.338	379.448	0.1104	TX617	Kian and Mantachie soils, frequently flooded	0.044	0.000	0.000	0.000	0.083	0.083	0.000	0.000	0.000
Gulf Coast	TX	Polk	379.448	379.546	0.0980	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.000	0.000	0.000	0.098	0.000	0.039	0.000	0.000	0.034
Gulf Coast	TX	Polk	379.546	379.715	0.1689	TX617	Colita variant-Kitterll complex, 1 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.084	0.000	0.000	0.000
Gulf Coast	TX	Polk	379.715	379.977	0.2622	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.000	0.000	0.000	0.262	0.000	0.105	0.000	0.000	0.092
Gulf Coast	TX	Polk	379.977	380.175	0.1982	TX617	Kian and Mantachie soils, frequently flooded	0.079	0.000	0.000	0.000	0.149	0.149	0.000	0.000	0.000
Gulf Coast	TX	Polk	380.175	380.300	0.1251	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.000	0.000	0.000	0.125	0.000	0.050	0.000	0.000	0.044
Gulf Coast	TX	Polk	380.300	380.461	0.1603	TX617	Kian and Mantachie soils, frequently flooded	0.064	0.000	0.000	0.000	0.120	0.120	0.000	0.000	0.000
Gulf Coast	TX	Polk	380.461	380.863	0.4020	TX617	Rayburn fine sandy loam, 5 to 15 percent slopes	0.000	0.322	0.000	0.000	0.000	0.322	0.000	0.000	0.000
Gulf Coast	TX	Polk	380.863	381.921	1.0587	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.000	0.000	0.000	1.059	0.000	0.423	0.000	0.000	0.371
Gulf Coast	TX	Polk	381.921	382.085	0.1638	TX617	Kian and Mantachie soils, frequently flooded	0.066	0.000	0.000	0.000	0.123	0.123	0.000	0.000	0.000
Gulf Coast	TX	Polk	382.085	382.428	0.3432	TX617	Wiergate clay, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.292	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Polk	382.428	382.535	0.1063	TX617	Woodville fine sandy loam, 5 to 12 percent slopes	0.000	0.085	0.000	0.000	0.000	0.085	0.000	0.000	0.000
Gulf Coast	TX	Polk	382.535	382.673	0.1387	TX617	Wiergate clay, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.118	0.000	0.000	0.000
Gulf Coast	TX	Polk	382.673	383.204	0.5307	TX617	Woodville fine sandy loam, 5 to 12 percent slopes	0.000	0.425	0.000	0.000	0.000	0.425	0.000	0.000	0.000
Gulf Coast	TX	Polk	383.204	383.512	0.3081	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.308	0.000	0.246	0.000	0.000	0.000
Gulf Coast	TX	Polk	383.512	383.866	0.3544	TX617	Woodville fine sandy loam, 5 to 12 percent slopes	0.000	0.283	0.000	0.000	0.000	0.283	0.000	0.000	0.000
Gulf Coast	TX	Polk	383.866	384.535	0.6689	TX617	Stringtown-Bonwier association, strongly sloping	0.000	0.468	0.000	0.000	0.000	0.468	0.000	0.268	0.000
Gulf Coast	TX	Polk	384.535	386.844	2.3085	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	2.308	0.000	1.847	0.000	0.000	0.000
Gulf Coast	TX	Polk	386.844	387.142	0.2982	TX617	Stringtown-Bonwier association, strongly sloping	0.000	0.209	0.000	0.000	0.000	0.209	0.000	0.119	0.000
Gulf Coast	TX	Polk	387.142	387.311	0.1692	TX617	Pluck and Kian soils, frequently flooded	0.000	0.000	0.000	0.000	0.127	0.127	0.000	0.000	0.000
Gulf Coast	TX	Polk	387.311	387.644	0.3326	TX617	Woodville fine sandy loam, 5 to 12 percent slopes	0.000	0.266	0.000	0.000	0.000	0.266	0.000	0.000	0.000
Gulf Coast	TX	Polk	387.644	387.835	0.1914	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.153	0.000	0.000	0.000
Gulf Coast	TX	Polk	387.835	388.363	0.5277	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.475	0.000	0.000	0.000	0.000	0.475	0.000	0.000	0.422
Gulf Coast	TX	Polk	388.363	388.501	0.1378	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.138	0.000	0.110	0.000	0.000	0.000
Gulf Coast	TX	Polk	388.501	388.618	0.1168	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.093	0.000	0.000	0.000
Gulf Coast	TX	Polk	388.618	388.659	0.0419	TX617	Woodville fine sandy loam, 5 to 12 percent slopes	0.000	0.033	0.000	0.000	0.000	0.033	0.000	0.000	0.000
Gulf Coast	TX	Polk	388.659	388.819	0.1596	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.128	0.000	0.000	0.000
Gulf Coast	TX	Polk	388.819	389.009	0.1901	TX617	Stringtown-Bonwier association, strongly sloping	0.000	0.133	0.000	0.000	0.000	0.133	0.000	0.076	0.000
Gulf Coast	TX	Polk	389.009	389.191	0.1817	TX617	Leggett fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.182	0.000	0.173	0.000	0.000	0.000
Gulf Coast	TX	Polk	389.191	389.383	0.1918	TX617	Pluck and Kian soils, frequently flooded	0.000	0.000	0.000	0.000	0.144	0.144	0.000	0.000	0.000
Gulf Coast	TX	Polk	389.383	389.563	0.1804	TX617	Leggett fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.180	0.000	0.171	0.000	0.000	0.000
Gulf Coast	TX	Polk	389.563	389.635	0.0724	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.058	0.000	0.000	0.000
Gulf Coast	TX	Polk	389.635	390.006	0.3706	TX617	Leggett fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.371	0.000	0.352	0.000	0.000	0.000
Gulf Coast	TX	Polk	390.006	390.427	0.4213	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.421	0.000	0.337	0.000	0.000	0.000
Gulf Coast	TX	Polk	390.427	390.561	0.1332	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.107	0.000	0.000	0.000
Gulf Coast	TX	Polk	390.561	390.734	0.1731	TX617	Hatliff loam, frequently flooded	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.147
Gulf Coast	TX	Polk	390.734	391.086	0.3521	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.282	0.000	0.000	0.000
Gulf Coast	TX	Polk	391.086	391.123	0.0376	TX617	Wiergate clay, 1 to 5 percent slopes	0.000	0.000	0.000	0.038	0.000	0.032	0.000	0.000	0.000
Gulf Coast	TX	Polk	391.123	391.223	0.1001	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.080	0.000	0.000	0.000
Gulf Coast	TX	Polk	391.223	391.273	0.0492	TX617	Wiergate clay, 1 to 5 percent slopes	0.000	0.000	0.000	0.049	0.000	0.042	0.000	0.000	0.000
Gulf Coast	TX	Polk	391.273	391.417	0.1441	TX617	Leggett fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.144	0.000	0.137	0.000	0.000	0.000
Gulf Coast	TX	Polk	391.417	391.495	0.0780	TX617	Wiergate clay, 1 to 5 percent slopes	0.000	0.000	0.000	0.078	0.000	0.066	0.000	0.000	0.000
Gulf Coast	TX	Polk	391.495	391.790	0.2954	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.236	0.000	0.000	0.000
Gulf Coast	TX	Polk	391.790	391.790	0.0001	TX617	Leggett fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Polk	391.790	391.848	0.0581	TX617	Stringtown-Bonwier association, strongly sloping	0.000	0.041	0.000	0.000	0.000	0.041	0.000	0.023	0.000
Gulf Coast	TX	Polk	391.848	391.888	0.0399	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.040	0.000	0.032	0.000	0.000	0.000
Gulf Coast	TX	Polk	391.888	392.090	0.2014	TX617	Stringtown-Bonwier association, strongly sloping	0.000	0.141	0.000	0.000	0.000	0.141	0.000	0.081	0.000
Gulf Coast	TX	Polk	392.090	392.173	0.0830	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.083	0.000	0.066	0.000	0.000	0.000
Gulf Coast	TX	Polk	392.173	392.378	0.2052	TX617	Pinetucky and Conroe soils, graded	0.000	0.000	0.000	0.000	0.000	0.154	0.051	0.000	0.051
Gulf Coast	TX	Polk	392.378	393.190	0.8117	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.812	0.000	0.649	0.000	0.000	0.000
Gulf Coast	TX	Polk	393.190	393.290	0.1003	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.090	0.000	0.000	0.000	0.000	0.090	0.000	0.000	0.080
Gulf Coast	TX	Polk	393.290	393.434	0.1444	TX617	Stringtown-Bonwier association, strongly sloping	0.000	0.101	0.000	0.000	0.000	0.101	0.000	0.058	0.000
Gulf Coast	TX	Polk	393.434	393.585	0.1504	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.135	0.000	0.000	0.000	0.000	0.135	0.000	0.000	0.120
Gulf Coast	TX	Polk	393.585	393.736	0.1511	TX617	Stringtown-Bonwier association, strongly sloping	0.000	0.106	0.000	0.000	0.000	0.106	0.000	0.060	0.000
Gulf Coast	TX	Polk	393.736	394.547	0.8108	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.811	0.000	0.649	0.000	0.000	0.000
Gulf Coast	TX	Polk	394.547	394.601	0.0541	TX617	Stringtown-Bonwier association, strongly sloping	0.000	0.038	0.000	0.000	0.000	0.038	0.000	0.022	0.000
Gulf Coast	TX	Polk	394.601	394.909	0.3079	TX617	Pluck and Kian soils, frequently flooded	0.000	0.000	0.000	0.000	0.231	0.231	0.000	0.000	0.000
Gulf Coast	TX	Polk	394.909	394.995	0.0865	TX617	Bienville loamy fine sand, 0 to 3 percent slopes	0.061	0.000	0.000	0.000	0.000	0.009	0.000	0.000	0.061
Gulf Coast	TX	Polk	394.995	395.052	0.0565	TX617	Pluck and Kian soils, frequently flooded	0.000	0.000	0.000	0.000	0.042	0.042	0.000	0.000	0.000
Gulf Coast	TX	Polk	395.052	395.617	0.5651	TX617	Bienville loamy fine sand, 0 to 3 percent slopes	0.396	0.000	0.000	0.000	0.000	0.057	0.000	0.000	0.396
Gulf Coast	TX	Polk	395.617	395.973	0.3561	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.285	0.000	0.000	0.000
Gulf Coast	TX	Polk	395.973	396.088	0.1153	TX617	Wiergate clay, 1 to 5 percent slopes	0.000	0.000	0.000	0.115	0.000	0.098	0.000	0.000	0.000
Gulf Coast	TX	Polk	396.088	396.391	0.3027	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.242	0.000	0.000	0.000
Gulf Coast	TX	Polk	396.391	396.978	0.5868	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.587	0.000	0.469	0.000	0.000	0.000
Gulf Coast	TX	Polk	396.978	397.186	0.2085	TX617	Wiergate clay, 1 to 5 percent slopes	0.000	0.000	0.000	0.209	0.000	0.177	0.000	0.000	0.000
Gulf Coast	TX	Polk	397.186	397.335	0.1487	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.149	0.000	0.119	0.000	0.000	0.000
Gulf Coast	TX	Polk	397.335	397.555	0.2207	TX617	Woodville fine sandy loam, 5 to 12 percent slopes	0.000	0.177	0.000	0.000	0.000	0.177	0.000	0.000	0.000
Gulf Coast	TX	Polk	397.555	397.880	0.3243	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.324	0.000	0.259	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Polk	397.880	397.955	0.0753	TX617	Choates loamy fine sand, 1 to 5 percent slopes	0.056	0.000	0.000	0.000	0.000	0.056	0.000	0.000	0.008
Gulf Coast	TX	Polk	397.955	398.069	0.1141	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.114	0.000	0.091	0.000	0.000	0.000
Gulf Coast	TX	Polk	398.069	398.220	0.1511	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.136	0.000	0.000	0.000	0.000	0.136	0.000	0.000	0.121
Gulf Coast	TX	Polk	398.220	398.582	0.3620	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.362	0.000	0.290	0.000	0.000	0.000
Gulf Coast	TX	Polk	398.582	398.649	0.0671	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.060	0.000	0.000	0.000	0.000	0.060	0.000	0.000	0.054
Gulf Coast	TX	Polk	398.649	398.757	0.1072	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.107	0.000	0.086	0.000	0.000	0.000
Gulf Coast	TX	Polk	398.757	398.850	0.0933	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.084	0.000	0.000	0.000	0.000	0.084	0.000	0.000	0.075
Gulf Coast	TX	Polk	398.850	399.124	0.2742	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.000	0.000	0.219	0.000	0.000	0.000
Gulf Coast	TX	Polk	399.124	399.907	0.7825	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.782	0.000	0.626	0.000	0.000	0.000
Gulf Coast	TX	Polk	399.907	400.183	0.2768	TX617	Bienville loamy fine sand, 0 to 3 percent slopes	0.194	0.000	0.000	0.000	0.000	0.028	0.000	0.000	0.194
Gulf Coast	TX	Polk	400.183	400.509	0.3260	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.326	0.000	0.261	0.000	0.000	0.000
Gulf Coast	TX	Polk	400.509	401.423	0.9133	TX617	Stringtown-Bonwier association, strongly sloping	0.000	0.639	0.000	0.000	0.000	0.639	0.000	0.365	0.000
Gulf Coast	TX	Polk	401.423	402.050	0.6276	TX617	Pluck and Kian soils, frequently flooded	0.000	0.000	0.000	0.000	0.471	0.471	0.000	0.000	0.000
Gulf Coast	TX	Polk	402.050	402.712	0.6615	TX617	Bienville loamy fine sand, 0 to 3 percent slopes	0.463	0.000	0.000	0.000	0.000	0.066	0.000	0.000	0.463
Gulf Coast	TX	Polk	402.712	403.139	0.4269	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.427	0.000	0.341	0.000	0.000	0.000
Gulf Coast	TX	Polk	403.139	403.373	0.2345	TX617	Waller silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.235	0.211	0.211	0.000	0.000	0.000
Gulf Coast	TX	Polk	403.373	403.534	0.1613	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.161	0.000	0.129	0.000	0.000	0.000
Gulf Coast	TX	Polk	403.534	403.843	0.3090	TX617	Waller silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.309	0.278	0.278	0.000	0.000	0.000
Gulf Coast	TX	Polk	403.843	403.977	0.1340	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.134	0.000	0.107	0.000	0.000	0.000
Gulf Coast	TX	Polk	403.977	404.483	0.5059	TX617	Choates loamy fine sand, 1 to 5 percent slopes	0.379	0.000	0.000	0.000	0.000	0.379	0.000	0.000	0.051
Gulf Coast	TX	Polk	404.483	406.428	1.9447	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	1.945	0.000	1.556	0.000	0.000	0.000
Gulf Coast	TX	Polk	406.428	406.461	0.0328	TX617	Waller silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.033	0.030	0.030	0.000	0.000	0.000
Gulf Coast	TX	Polk	406.461	406.689	0.2284	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.228	0.000	0.183	0.000	0.000	0.000
Gulf Coast	TX	Polk	406.689	406.786	0.0965	TX617	Waller silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.097	0.087	0.087	0.000	0.000	0.000
Gulf Coast	TX	Polk	406.786	408.593	1.8074	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	1.807	0.000	1.446	0.000	0.000	0.000
Gulf Coast	TX	Polk	408.593	408.678	0.0852	TX617	Boykin loamy fine sand, 1 to 5 percent slopes	0.085	0.000	0.000	0.000	0.000	0.077	0.000	0.000	0.077
Gulf Coast	TX	Polk	408.678	408.741	0.0632	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.000	0.000	0.000	0.063	0.000	0.051	0.000	0.000	0.000
Gulf Coast	TX	Polk	408.741	409.061	0.3200	TX617	Boykin loamy fine sand, 1 to 5 percent slopes	0.320	0.000	0.000	0.000	0.000	0.288	0.000	0.000	0.288
Gulf Coast	TX	Polk	409.061	409.201	0.1395	TX617	Kirbyville fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.140	0.000	0.126	0.000	0.000	0.000
Gulf Coast	TX	Polk	409.201	409.765	0.5639	TX617	Otanya fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.564	0.000	0.451	0.000	0.000	0.000
Gulf Coast	TX	Polk	409.765	409.891	0.1259	TX617	Waller silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.126	0.113	0.113	0.000	0.000	0.000
Gulf Coast	TX	Polk	409.891	410.019	0.1287	TX617	Otanya fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.129	0.000	0.103	0.000	0.000	0.000
Gulf Coast	TX	Polk	410.019	410.262	0.2428	TX617	Kirbyville fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.243	0.000	0.219	0.000	0.000	0.000
Gulf Coast	TX	Polk	410.262	410.504	0.2417	TX617	Otanya fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	0.242	0.000	0.193	0.000	0.000	0.000
Gulf Coast	TX	Polk	410.504	410.981	0.4767	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.429	0.000	0.000	0.000	0.000	0.429	0.000	0.000	0.381
Gulf Coast	TX	Polk	410.981	411.085	0.1046	TX617	Waller silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.105	0.094	0.094	0.000	0.000	0.000
Gulf Coast	TX	Polk	411.085	412.645	1.5601	TX617	Otanya fine sandy loam, 0 to 3 percent slopes	0.000	0.000	0.000	1.560	0.000	1.248	0.000	0.000	0.000
Gulf Coast	TX	Polk	412.645	412.911	0.2662	TX617	Choates loamy fine sand, 1 to 5 percent slopes	0.200	0.000	0.000	0.000	0.000	0.200	0.000	0.000	0.027
Gulf Coast	TX	Liberty	412.911	412.961	0.0496	TX291	Choates loamy fine sand, 1 to 3 percent slopes	0.040	0.000	0.000	0.000	0.000	0.040	0.000	0.000	0.000
Gulf Coast	TX	Liberty	412.961	413.602	0.6413	TX291	Doucette loamy fine sand, 1 to 3 percent slopes	0.513	0.000	0.000	0.641	0.000	0.513	0.000	0.000	0.513
Gulf Coast	TX	Liberty	413.602	413.722	0.1192	TX291	Woodville fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.107	0.000	0.000	0.000
Gulf Coast	TX	Liberty	413.722	413.922	0.2005	TX291	Owentown fine sandy loam, occasionally flooded	0.000	0.000	0.000	0.201	0.000	0.000	0.000	0.000	0.160
Gulf Coast	TX	Liberty	413.922	413.985	0.0634	TX291	Dylan clay, 3 to 6 percent slopes	0.000	0.000	0.057	0.000	0.000	0.057	0.000	0.000	0.000
Gulf Coast	TX	Liberty	413.985	414.543	0.5576	TX291	Vamont silty clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.558	0.474	0.474	0.000	0.000	0.000
Gulf Coast	TX	Liberty	414.543	416.175	1.6319	TX291	Vamont clay, 1 to 3 percent slopes	0.000	0.000	0.000	1.632	0.000	1.387	0.000	0.000	0.000
Gulf Coast	TX	Liberty	416.175	416.860	0.6853	TX291	Vamont silty clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.685	0.583	0.583	0.000	0.000	0.000
Gulf Coast	TX	Liberty	416.860	417.117	0.2572	TX291	Vamont clay, 1 to 3 percent slopes	0.000	0.000	0.000	0.257	0.000	0.219	0.000	0.000	0.000
Gulf Coast	TX	Liberty	417.117	417.569	0.4521	TX291	Sorter-Dallardsville complex	0.000	0.000	0.000	0.452	0.249	0.136	0.000	0.000	0.136
Gulf Coast	TX	Liberty	417.569	418.824	1.2545	TX291	Guyton-Aldine complex	0.000	0.000	0.000	0.000	0.627	1.129	0.000	0.000	0.000
Gulf Coast	TX	Liberty	418.824	419.020	0.1957	TX291	Vamont silty clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.196	0.166	0.166	0.000	0.000	0.000
Gulf Coast	TX	Liberty	419.020	419.143	0.1232	TX291	Aris silt loam	0.000	0.000	0.000	0.000	0.105	0.105	0.000	0.000	0.000
Gulf Coast	TX	Liberty	419.143	419.257	0.1139	TX291	Aldine silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.114	0.000	0.091	0.000	0.000	0.000
Gulf Coast	TX	Liberty	419.257	419.323	0.0657	TX291	Aris silt loam	0.000	0.000	0.000	0.000	0.056	0.056	0.000	0.000	0.000
Gulf Coast	TX	Liberty	419.323	419.360	0.0374	TX291	Aldine silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.037	0.000	0.030	0.000	0.000	0.000
Gulf Coast	TX	Liberty	419.360	419.505	0.1451	TX291	Aris silt loam	0.000	0.000	0.000	0.000	0.123	0.123	0.000	0.000	0.000
Gulf Coast	TX	Liberty	419.505	419.693	0.1883	TX291	Aldine silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.188	0.000	0.151	0.000	0.000	0.000
Gulf Coast	TX	Liberty	419.693	419.863	0.1701	TX291	Aris silt loam	0.000	0.000	0.000	0.000	0.145	0.145	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Liberty	419.863	420.017	0.1538	TX291	Woodville fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.138	0.000	0.000	0.000
Gulf Coast	TX	Liberty	420.017	420.106	0.0891	TX291	Owentown fine sandy loam, occasionally flooded	0.000	0.000	0.000	0.089	0.000	0.000	0.000	0.000	0.071
Gulf Coast	TX	Liberty	420.106	420.663	0.5564	TX291	Woodville fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.501	0.000	0.000	0.000
Gulf Coast	TX	Liberty	420.663	423.649	2.9865	TX291	Aldine-Aris complex	0.000	0.000	0.000	2.987	0.747	2.539	0.000	0.000	0.000
Gulf Coast	TX	Liberty	423.649	423.710	0.0605	TX291	Kemah-Aris complex	0.000	0.000	0.000	0.000	0.024	0.057	0.000	0.000	0.000
Gulf Coast	TX	Liberty	423.710	424.727	1.0176	TX291	Aldine-Aris complex	0.000	0.000	0.000	1.018	0.254	0.865	0.000	0.000	0.000
Gulf Coast	TX	Liberty	424.727	424.855	0.1276	TX291	Waller loam	0.000	0.000	0.000	0.128	0.102	0.102	0.000	0.000	0.000
Gulf Coast	TX	Liberty	424.855	425.141	0.2860	TX291	Vamont silty clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.286	0.243	0.243	0.000	0.000	0.000
Gulf Coast	TX	Liberty	425.141	427.654	2.5132	TX291	Aldine-Aris complex	0.000	0.000	0.000	2.513	0.628	2.136	0.000	0.000	0.000
Gulf Coast	TX	Liberty	427.654	428.467	0.8132	TX291	Verland clay loam	0.000	0.000	0.000	0.000	0.773	0.773	0.000	0.000	0.000
Gulf Coast	TX	Liberty	428.467	429.043	0.5753	TX291	Beaumont clay	0.000	0.000	0.000	0.575	0.518	0.518	0.000	0.000	0.000
Gulf Coast	TX	Liberty	429.043	429.212	0.1696	TX291	Guyton silt loam	0.000	0.000	0.000	0.000	0.136	0.136	0.000	0.000	0.000
Gulf Coast	TX	Liberty	429.212	429.228	0.0158	TX291	Aldine silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.016	0.000	0.013	0.000	0.000	0.000
Gulf Coast	TX	Liberty	429.228	429.382	0.1543	TX291	Guyton silt loam	0.000	0.000	0.000	0.000	0.123	0.123	0.000	0.000	0.000
Gulf Coast	TX	Liberty	429.382	429.835	0.4532	TX291	Verland clay loam	0.000	0.000	0.000	0.000	0.431	0.431	0.000	0.000	0.000
Gulf Coast	TX	Liberty	429.835	430.084	0.2487	TX291	Guyton silt loam	0.000	0.000	0.000	0.000	0.199	0.199	0.000	0.000	0.000
Gulf Coast	TX	Liberty	430.084	430.272	0.1876	TX291	Verland clay loam	0.000	0.000	0.000	0.000	0.178	0.178	0.000	0.000	0.000
Gulf Coast	TX	Liberty	430.272	430.273	0.0014	TX291	Bernard-Morey complex	0.000	0.000	0.000	0.001	0.000	0.001	0.000	0.000	0.000
Gulf Coast	TX	Liberty	430.273	430.816	0.5429	TX291	Estes clay, frequently flooded	0.000	0.000	0.434	0.000	0.434	0.434	0.000	0.000	0.000
Gulf Coast	TX	Liberty	430.816	431.791	0.9751	TX291	Anahuac-Aris complex	0.000	0.000	0.000	0.975	0.341	0.829	0.000	0.000	0.000
Gulf Coast	TX	Liberty	431.791	432.402	0.6109	TX291	Aldine-Aris complex	0.000	0.000	0.000	0.611	0.153	0.519	0.000	0.000	0.000
Gulf Coast	TX	Liberty	432.402	432.471	0.0688	TX291	Aris silt loam	0.000	0.000	0.000	0.000	0.059	0.059	0.000	0.000	0.000
Gulf Coast	TX	Liberty	432.471	432.648	0.1773	TX291	Aldine-Aris complex	0.000	0.000	0.000	0.177	0.044	0.151	0.000	0.000	0.000
Gulf Coast	TX	Liberty	432.648	432.759	0.1105	TX291	Aris silt loam	0.000	0.000	0.000	0.000	0.094	0.094	0.000	0.000	0.000
Gulf Coast	TX	Liberty	432.759	433.139	0.3808	TX291	Kemah-Aris complex	0.000	0.000	0.000	0.000	0.152	0.362	0.000	0.000	0.000
Gulf Coast	TX	Liberty	433.139	433.222	0.0829	TX291	Aris silt loam	0.000	0.000	0.000	0.000	0.070	0.070	0.000	0.000	0.000
Gulf Coast	TX	Liberty	433.222	433.930	0.7078	TX291	Kemah-Aris complex	0.000	0.000	0.000	0.000	0.283	0.672	0.000	0.000	0.000
Gulf Coast	TX	Liberty	433.930	434.167	0.2371	TX291	Guyton-Aldine complex	0.000	0.000	0.000	0.000	0.119	0.213	0.000	0.000	0.000
Gulf Coast	TX	Liberty	434.167	435.958	1.7908	TX291	Aldine-Aris complex	0.000	0.000	0.000	1.791	0.448	1.522	0.000	0.000	0.000
Gulf Coast	TX	Liberty	435.958	436.266	0.3079	TX291	Aldine silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.308	0.000	0.246	0.000	0.000	0.000
Gulf Coast	TX	Liberty	436.266	436.752	0.4863	TX291	Aldine-Aris complex	0.000	0.000	0.000	0.486	0.122	0.413	0.000	0.000	0.000
Gulf Coast	TX	Liberty	436.752	437.056	0.3035	TX291	Guyton silt loam	0.000	0.000	0.000	0.000	0.243	0.243	0.000	0.000	0.000
Gulf Coast	TX	Hardin	437.056	437.137	0.0808	TX199	Manco loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.077	0.081	0.000	0.000	0.000
Gulf Coast	TX	Hardin	437.137	437.267	0.1302	TX199	Aris-Spindletop complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.130	0.095	0.130	0.000	0.000	0.000
Gulf Coast	TX	Hardin	437.267	437.317	0.0499	TX199	Leton silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.050	0.050	0.000	0.000	0.000
Gulf Coast	TX	Hardin	437.317	437.904	0.5873	TX199	Beaumont clay, 0 to 1 percent slopes	0.000	0.000	0.059	0.587	0.529	0.587	0.000	0.000	0.000
Gulf Coast	TX	Hardin	437.904	438.234	0.3302	TX199	Manco loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.314	0.330	0.000	0.000	0.000
Gulf Coast	TX	Hardin	438.234	438.299	0.0651	TX199	Evadale-Texla complex, 0 to 1 percent slopes	0.000	0.000	0.062	0.065	0.039	0.065	0.000	0.000	0.000
Gulf Coast	TX	Hardin	438.299	438.342	0.0429	TX199	Bevil clay, 0 to 1 percent slopes	0.000	0.000	0.001	0.043	0.040	0.043	0.000	0.000	0.000
Gulf Coast	TX	Hardin	438.342	438.838	0.4959	TX199	Vamont clay, 0 to 1 percent slopes	0.000	0.000	0.025	0.496	0.040	0.496	0.000	0.000	0.000
Gulf Coast	TX	Hardin	438.838	438.920	0.0817	TX199	Bevil clay, 0 to 1 percent slopes	0.000	0.000	0.002	0.082	0.075	0.082	0.000	0.000	0.000
Gulf Coast	TX	Hardin	438.920	439.333	0.4134	TX199	Evadale-Texla complex, 0 to 1 percent slopes	0.000	0.000	0.393	0.413	0.248	0.413	0.000	0.000	0.000
Gulf Coast	TX	Hardin	439.333	439.890	0.5567	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.000	0.000	0.546	0.557	0.406	0.557	0.000	0.000	0.000
Gulf Coast	TX	Hardin	439.890	439.962	0.0717	TX199	Camptown silt loam, 0 to 1 percent slopes	0.000	0.000	0.067	0.000	0.067	0.072	0.000	0.000	0.000
Gulf Coast	TX	Hardin	439.962	440.146	0.1841	TX199	Batson very fine sandy loam, 0 to 1 percent slopes	0.000	0.000	0.018	0.184	0.015	0.184	0.000	0.000	0.000
Gulf Coast	TX	Hardin	440.146	440.850	0.7039	TX199	Camptown-Batson complex, 0 to 1 percent slopes	0.000	0.000	0.387	0.704	0.352	0.704	0.000	0.000	0.000
Gulf Coast	TX	Hardin	440.850	442.192	1.3423	TX199	Evadale-Texla complex, 0 to 1 percent slopes	0.000	0.000	1.275	1.342	0.805	1.342	0.000	0.000	0.000
Gulf Coast	TX	Hardin	442.192	442.568	0.3762	TX199	Aris-Spindletop complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.376	0.275	0.376	0.000	0.000	0.000
Gulf Coast	TX	Hardin	442.568	442.676	0.1083	TX199	Aris-Levac complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.108	0.078	0.108	0.000	0.000	0.000
Gulf Coast	TX	Hardin	442.676	443.011	0.3346	TX199	Aris-Spindletop complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.335	0.244	0.335	0.000	0.000	0.000
Gulf Coast	TX	Hardin	443.011	443.323	0.3120	TX199	Labelle-Spindletop complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.312	0.031	0.312	0.000	0.000	0.000
Gulf Coast	TX	Hardin	443.323	443.403	0.0805	TX199	Bevil clay, 0 to 1 percent slopes	0.000	0.000	0.002	0.081	0.074	0.081	0.000	0.000	0.000
Gulf Coast	TX	Hardin	443.403	443.496	0.0924	TX199	Aris-Spindletop complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.092	0.067	0.092	0.000	0.000	0.000
Gulf Coast	TX	Hardin	443.496	444.658	1.1625	TX199	Evadale-Texla complex, 0 to 1 percent slopes	0.000	0.000	1.104	1.162	0.697	1.162	0.000	0.000	0.000
Gulf Coast	TX	Hardin	444.658	444.845	0.1864	TX199	Manco loam, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.177	0.186	0.000	0.000	0.000
Gulf Coast	TX	Hardin	444.845	445.206	0.3611	TX199	Vamont clay, 0 to 1 percent slopes	0.000	0.000	0.018	0.361	0.029	0.361	0.000	0.000	0.000
Gulf Coast	TX	Hardin	445.206	445.388	0.1818	TX199	Evadale-Texla complex, 0 to 1 percent slopes	0.000	0.000	0.173	0.182	0.109	0.182	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Hardin	445.388	445.638	0.2500	TX199	Vamont clay, 0 to 1 percent slopes	0.000	0.000	0.013	0.250	0.020	0.250	0.000	0.000	0.000
Gulf Coast	TX	Hardin	445.638	446.331	0.6935	TX199	Evadale-Texla complex, 0 to 1 percent slopes	0.000	0.000	0.659	0.694	0.416	0.694	0.000	0.000	0.000
Gulf Coast	TX	Hardin	446.331	446.554	0.2229	TX199	Estes-Angelina complex, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.214	0.223	0.000	0.000	0.000
Gulf Coast	TX	Hardin	446.554	446.836	0.2819	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.000	0.000	0.276	0.282	0.206	0.282	0.000	0.000	0.000
Gulf Coast	TX	Hardin	446.836	446.890	0.0545	TX199	Spurger very fine sandy loam, 0 to 2 percent slopes	0.003	0.000	0.003	0.055	0.003	0.052	0.000	0.000	0.049
Gulf Coast	TX	Hardin	446.890	446.970	0.0794	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.000	0.000	0.078	0.079	0.058	0.079	0.000	0.000	0.000
Gulf Coast	TX	Hardin	446.970	447.250	0.2805	TX199	Spurger very fine sandy loam, 0 to 2 percent slopes	0.014	0.000	0.014	0.280	0.014	0.266	0.000	0.000	0.252
Gulf Coast	TX	Hardin	447.250	447.293	0.0423	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.000	0.000	0.041	0.042	0.031	0.042	0.000	0.000	0.000
Gulf Coast	TX	Hardin	447.293	447.338	0.0458	TX199	Spurger very fine sandy loam, 0 to 2 percent slopes	0.002	0.000	0.002	0.046	0.002	0.043	0.000	0.000	0.041
Gulf Coast	TX	Hardin	447.338	447.375	0.0365	TX199	Estes-Angelina complex, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.035	0.037	0.000	0.000	0.000
Gulf Coast	TX	Hardin	447.375	447.670	0.2954	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.000	0.000	0.289	0.295	0.216	0.295	0.000	0.000	0.000
Gulf Coast	TX	Hardin	447.670	447.838	0.1673	TX199	Estes-Angelina complex, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.161	0.167	0.000	0.000	0.000
Gulf Coast	TX	Hardin	447.838	447.976	0.1388	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.000	0.000	0.136	0.139	0.101	0.139	0.000	0.000	0.000
Gulf Coast	TX	Hardin	447.976	448.048	0.0713	TX199	Estes-Angelina complex, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.068	0.071	0.000	0.000	0.000
Gulf Coast	TX	Hardin	448.048	448.438	0.3900	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.000	0.000	0.382	0.390	0.285	0.390	0.000	0.000	0.000
Gulf Coast	TX	Hardin	448.438	448.677	0.2390	TX199	Anahuac-Aris complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.239	0.076	0.239	0.000	0.000	0.000
Gulf Coast	TX	Hardin	448.677	448.757	0.0799	TX199	Estes-Angelina complex, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.077	0.080	0.000	0.000	0.000
Gulf Coast	TX	Liberty	448.757	448.981	0.2242	TX291	Estes clay, frequently flooded	0.000	0.000	0.179	0.000	0.179	0.179	0.000	0.000	0.000
Gulf Coast	TX	Liberty	448.981	449.353	0.3721	TX291	Aldine-Aris complex	0.000	0.000	0.000	0.372	0.093	0.316	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	449.353	451.089	1.7359	TX623	Orcadia-Aris complex, 0 to 1 percent slopes	0.000	0.000	0.000	1.736	0.521	1.562	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	451.089	451.241	0.1523	TX623	Orcadia silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.152	0.000	0.129	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	451.241	451.375	0.1341	TX623	Orcadia-Aris complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.134	0.040	0.121	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	451.375	451.502	0.1268	TX623	Bevil clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.108	0.108	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	451.502	451.761	0.2588	TX623	Estes clay, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.220	0.220	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	451.761	452.113	0.3524	TX623	Bevil clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.300	0.300	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	452.113	452.708	0.5948	TX623	Orcadia-Aris complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.595	0.178	0.535	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	452.708	454.469	1.7615	TX623	Bevil clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	1.497	1.497	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	454.469	455.294	0.8247	TX623	Orcadia-Aris complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.825	0.247	0.742	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	455.294	455.400	0.1055	TX623	Estes clay, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.090	0.090	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	455.400	455.704	0.3048	TX623	Orcadia-Aris complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.305	0.091	0.274	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	455.704	456.549	0.8450	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.845	0.000	0.761	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	456.549	456.908	0.3587	TX623	Bevil clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.305	0.305	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	456.908	457.818	0.9100	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.910	0.227	0.773	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	457.818	457.923	0.1052	TX623	Leton loam, ponded, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.079	0.079	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	457.923	458.305	0.3816	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.382	0.095	0.324	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	458.305	458.340	0.0352	TX623	Labelle silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.035	0.000	0.028	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	458.340	458.396	0.0559	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.056	0.014	0.047	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	458.396	458.974	0.5779	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.578	0.000	0.520	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	458.974	459.192	0.2184	TX623	Labelle silt loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.218	0.000	0.175	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	459.192	459.224	0.0319	TX623	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	459.224	459.712	0.4876	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.488	0.000	0.439	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	459.712	459.748	0.0365	TX623	League clay, 0 to 1 percent slopes	0.000	0.000	0.031	0.036	0.000	0.031	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	459.748	459.880	0.1314	TX623	Beaumont clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.131	0.112	0.112	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	459.880	459.910	0.0305	TX623	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	459.910	460.637	0.7274	TX623	Beaumont clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.727	0.618	0.618	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	460.637	460.884	0.2467	TX623	League clay, 0 to 1 percent slopes	0.000	0.000	0.210	0.247	0.000	0.210	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	460.884	461.590	0.7063	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.706	0.000	0.636	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	461.590	462.050	0.4592	TX623	League clay, 0 to 1 percent slopes	0.000	0.000	0.390	0.459	0.000	0.390	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	462.050	462.239	0.1897	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.190	0.000	0.171	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	462.239	462.524	0.2845	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.284	0.071	0.242	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	462.524	462.581	0.0569	TX623	Leton loam, ponded, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.043	0.043	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	462.581	463.030	0.4491	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.449	0.000	0.404	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	463.030	463.276	0.2465	TX623	Morey-Levac complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.247	0.000	0.210	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	463.276	463.417	0.1409	TX623	League clay, 0 to 1 percent slopes	0.000	0.000	0.120	0.141	0.000	0.120	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	463.417	463.444	0.0273	TX623	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	463.444	464.095	0.6502	TX623	Morey-Levac complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.650	0.000	0.553	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	464.095	464.459	0.3641	TX623	League clay, 0 to 1 percent slopes	0.000	0.000	0.309	0.364	0.000	0.309	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Gulf Coast	TX	Jefferson	464.459	464.834	0.3754	TX623	Morey-Levac complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.375	0.000	0.319	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	464.834	465.569	0.7344	TX623	League clay, 0 to 1 percent slopes	0.000	0.000	0.624	0.734	0.000	0.624	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	465.569	466.499	0.9305	TX623	Beaumont clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.931	0.791	0.791	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	466.499	466.787	0.2881	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.288	0.000	0.259	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	466.787	466.849	0.0623	TX623	Beaumont clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.062	0.053	0.053	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	466.849	466.946	0.0969	TX623	China clay, 0 to 1 percent slopes	0.000	0.000	0.082	0.097	0.000	0.082	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	466.946	467.123	0.1762	TX623	Beaumont clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.176	0.150	0.150	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	467.123	468.219	1.0969	TX623	China clay, 0 to 1 percent slopes	0.000	0.000	0.932	1.097	0.000	0.932	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	468.219	468.649	0.4294	TX623	Beaumont clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.429	0.365	0.365	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	468.649	469.076	0.4273	TX623	League clay, 0 to 1 percent slopes	0.000	0.000	0.363	0.427	0.000	0.363	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	469.076	470.846	1.7704	TX623	Beaumont clay, 0 to 1 percent slopes	0.000	0.000	0.000	1.770	1.505	1.505	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	470.846	470.949	0.1026	TX623	Estes clay, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.087	0.087	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	470.949	470.983	0.0341	TX623	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	470.983	471.101	0.1180	TX623	Estes clay, 0 to 1 percent slopes, frequently flooded	0.000	0.000	0.000	0.000	0.100	0.100	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	471.101	471.242	0.1406	TX623	Beaumont clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.141	0.120	0.120	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	471.242	471.376	0.1340	TX623	League clay, 0 to 1 percent slopes	0.000	0.000	0.114	0.134	0.000	0.114	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	471.376	472.341	0.9650	TX623	Beaumont clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.965	0.820	0.820	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	472.341	474.431	2.0903	TX623	League clay, 0 to 1 percent slopes	0.000	0.000	1.777	2.090	0.000	1.777	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	474.431	474.647	0.2155	TX623	Morey-Levac complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.215	0.000	0.183	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	474.647	474.969	0.3223	TX623	Anahuac very fine sandy loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.274	0.000	0.274	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	474.969	475.507	0.5380	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.538	0.135	0.457	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	475.507	475.558	0.0511	TX623	Leton loam, ponded, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.038	0.038	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	475.558	475.628	0.0705	TX623	Viterbo silty clay loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.060	0.060	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	475.628	475.794	0.1654	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.165	0.041	0.141	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	475.794	476.292	0.4978	TX623	Viterbo silty clay loam, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.423	0.423	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	476.292	477.397	1.1053	TX623	League clay, 0 to 1 percent slopes	0.000	0.000	0.940	1.105	0.000	0.940	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	477.397	477.583	0.1861	TX623	Beaumont clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.186	0.158	0.158	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	477.583	478.273	0.6903	TX623	League clay, 0 to 1 percent slopes	0.000	0.000	0.587	0.690	0.000	0.587	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	478.273	478.292	0.0190	TX623	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	478.292	478.418	0.1260	TX623	League-Urban land complex, 0 to 1 percent slopes	0.000	0.000	0.088	0.000	0.000	0.088	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	478.418	478.846	0.4280	TX623	Labelle-Urban land complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.000	0.300	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	478.846	478.895	0.0484	TX623	Orcadia silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.048	0.000	0.041	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	478.895	479.025	0.1300	TX623	Creole mucky peat, 0 to 1 percent slopes, frequently flooded, tidal	0.000	0.000	0.104	0.000	0.104	0.104	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	479.025	479.374	0.3488	TX623	Orcadia silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.349	0.000	0.296	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	479.374	479.472	0.0984	TX623	Labelle-Urban land complex, 0 to 1 percent slopes	0.000	0.000	0.000	0.000	0.000	0.069	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	479.472	479.723	0.2512	TX623	Orcadia silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.251	0.000	0.214	0.000	0.000	0.000
Gulf Coast	TX	Jefferson	479.723	480.152	0.4285	TX623	Creole mucky peat, 0 to 1 percent slopes, frequently flooded, tidal	0.000	0.000	0.343	0.000	0.343	0.343	0.000	0.000	0.000
HOUSTON LATERAL																
Houston Lateral	TX	Liberty	0.000	0.064	0.0637	TX291	Aris silt loam	0.000	0.000	0.000	0.000	0.054	0.054	0.000	0.000	0.000
Houston Lateral	TX	Liberty	0.064	0.093	0.0296	TX291	Kemah-Aris complex	0.000	0.000	0.000	0.000	0.012	0.028	0.000	0.000	0.000
Houston Lateral	TX	Liberty	0.093	0.198	0.1043	TX291	Aris silt loam	0.000	0.000	0.000	0.000	0.089	0.089	0.000	0.000	0.000
Houston Lateral	TX	Liberty	0.198	1.830	1.6329	TX291	Kemah-Aris complex	0.000	0.000	0.000	0.000	0.653	1.551	0.000	0.000	0.000
Houston Lateral	TX	Liberty	1.830	2.774	0.9439	TX291	Aldine silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.944	0.000	0.755	0.000	0.000	0.000
Houston Lateral	TX	Liberty	2.774	4.365	1.5910	TX291	Aldine-Aris complex	0.000	0.000	0.000	1.591	0.398	1.352	0.000	0.000	0.000
Houston Lateral	TX	Liberty	4.365	4.558	0.1928	TX291	Aldine silt loam, 0 to 2 percent slopes	0.000	0.000	0.000	0.193	0.000	0.154	0.000	0.000	0.000
Houston Lateral	TX	Liberty	4.558	4.706	0.1478	TX291	Beaumont clay	0.000	0.000	0.000	0.148	0.133	0.133	0.000	0.000	0.000
Houston Lateral	TX	Liberty	4.706	4.904	0.1985	TX291	Aldine-Aris complex	0.000	0.000	0.000	0.198	0.050	0.169	0.000	0.000	0.000
Houston Lateral	TX	Liberty	4.904	5.652	0.7476	TX291	Kemah-Aris complex	0.000	0.000	0.000	0.000	0.299	0.710	0.000	0.000	0.000
Houston Lateral	TX	Liberty	5.652	5.723	0.0712	TX291	Beaumont clay	0.000	0.000	0.000	0.071	0.064	0.064	0.000	0.000	0.000
Houston Lateral	TX	Liberty	5.723	5.726	0.0030	TX291	Aris silt loam	0.000	0.000	0.000	0.000	0.003	0.003	0.000	0.000	0.000
Houston Lateral	TX	Liberty	5.726	6.162	0.4354	TX291	Beaumont clay	0.000	0.000	0.000	0.435	0.392	0.392	0.000	0.000	0.000
Houston Lateral	TX	Liberty	6.162	6.226	0.0648	TX291	Kemah-Aris complex	0.000	0.000	0.000	0.000	0.026	0.062	0.000	0.000	0.000
Houston Lateral	TX	Liberty	6.226	6.812	0.5857	TX291	Beaumont clay	0.000	0.000	0.000	0.586	0.527	0.527	0.000	0.000	0.000
Houston Lateral	TX	Liberty	6.812	7.251	0.4388	TX291	Aris silt loam	0.000	0.000	0.000	0.000	0.373	0.373	0.000	0.000	0.000
Houston Lateral	TX	Liberty	7.251	7.853	0.6015	TX291	Aldine-Aris complex	0.000	0.000	0.000	0.601	0.150	0.511	0.000	0.000	0.000
Houston Lateral	TX	Liberty	7.853	7.947	0.0943	TX291	Verland clay loam	0.000	0.000	0.000	0.000	0.090	0.090	0.000	0.000	0.000
Houston Lateral	TX	Liberty	7.947	8.035	0.0878	TX291	Aldine-Aris complex	0.000	0.000	0.000	0.088	0.022	0.075	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Houston Lateral	TX	Liberty	8.035	8.377	0.3423	TX291	Verland clay loam	0.000	0.000	0.000	0.000	0.325	0.325	0.000	0.000	0.000
Houston Lateral	TX	Liberty	8.377	8.400	0.0233	TX291	Kemah-Aris complex	0.000	0.000	0.000	0.000	0.009	0.022	0.000	0.000	0.000
Houston Lateral	TX	Liberty	8.400	8.585	0.1853	TX291	Beaumont clay	0.000	0.000	0.000	0.185	0.167	0.167	0.000	0.000	0.000
Houston Lateral	TX	Liberty	8.585	8.773	0.1880	TX291	Kemah-Aris complex	0.000	0.000	0.000	0.000	0.075	0.179	0.000	0.000	0.000
Houston Lateral	TX	Liberty	8.773	8.812	0.0381	TX291	Anahuac-Aris complex	0.000	0.000	0.000	0.038	0.013	0.032	0.000	0.000	0.000
Houston Lateral	TX	Liberty	8.812	8.905	0.0935	TX291	Kemah-Aris complex	0.000	0.000	0.000	0.000	0.037	0.089	0.000	0.000	0.000
Houston Lateral	TX	Liberty	8.905	9.805	0.8995	TX291	Anahuac-Aris complex	0.000	0.000	0.000	0.899	0.315	0.765	0.000	0.000	0.000
Houston Lateral	TX	Liberty	9.805	10.501	0.6964	TX291	Bevil silty clay, depressional	0.000	0.000	0.000	0.696	0.627	0.627	0.000	0.000	0.000
Houston Lateral	TX	Liberty	10.501	10.704	0.2028	TX291	Anahuac-Aris complex	0.000	0.000	0.000	0.203	0.071	0.172	0.000	0.000	0.000
Houston Lateral	TX	Liberty	10.704	11.167	0.4632	TX291	Aris silt loam	0.000	0.000	0.000	0.000	0.394	0.394	0.000	0.000	0.000
Houston Lateral	TX	Liberty	11.167	11.270	0.1035	TX291	Anahuac-Aris complex	0.000	0.000	0.000	0.103	0.036	0.088	0.000	0.000	0.000
Houston Lateral	TX	Liberty	11.270	11.323	0.0523	TX291	Aris silt loam	0.000	0.000	0.000	0.000	0.044	0.044	0.000	0.000	0.000
Houston Lateral	TX	Liberty	11.323	11.668	0.3453	TX291	Anahuac-Aris complex	0.000	0.000	0.000	0.345	0.121	0.293	0.000	0.000	0.000
Houston Lateral	TX	Liberty	11.668	11.885	0.2169	TX291	Aris silt loam	0.000	0.000	0.000	0.000	0.184	0.184	0.000	0.000	0.000
Houston Lateral	TX	Liberty	11.885	12.076	0.1908	TX291	Anahuac-Aris complex	0.000	0.000	0.000	0.191	0.067	0.162	0.000	0.000	0.000
Houston Lateral	TX	Liberty	12.076	12.289	0.2130	TX291	Aldine-Aris complex	0.000	0.000	0.000	0.213	0.053	0.181	0.000	0.000	0.000
Houston Lateral	TX	Liberty	12.289	12.963	0.6743	TX291	Anahuac-Aris complex	0.000	0.000	0.000	0.674	0.236	0.573	0.000	0.000	0.000
Houston Lateral	TX	Liberty	12.963	13.050	0.0867	TX291	Mocarey-Yeaton complex	0.000	0.000	0.000	0.087	0.000	0.069	0.000	0.000	0.000
Houston Lateral	TX	Liberty	13.050	13.208	0.1578	TX291	Bernard-Morey complex	0.000	0.000	0.000	0.158	0.000	0.126	0.000	0.000	0.000
Houston Lateral	TX	Liberty	13.208	13.607	0.3993	TX291	Beaumont clay	0.000	0.000	0.000	0.399	0.359	0.359	0.000	0.000	0.000
Houston Lateral	TX	Liberty	13.607	14.209	0.6020	TX291	Bernard-Morey complex	0.000	0.000	0.000	0.602	0.000	0.482	0.000	0.000	0.000
Houston Lateral	TX	Liberty	14.209	14.249	0.0402	TX291	Anahuac-Aris complex	0.000	0.000	0.000	0.040	0.014	0.034	0.000	0.000	0.000
Houston Lateral	TX	Liberty	14.249	14.299	0.0502	TX291	Bernard-Morey complex	0.000	0.000	0.000	0.050	0.000	0.040	0.000	0.000	0.000
Houston Lateral	TX	Liberty	14.299	15.265	0.9654	TX291	Anahuac-Aris complex	0.000	0.000	0.000	0.965	0.338	0.821	0.000	0.000	0.000
Houston Lateral	TX	Liberty	15.265	15.672	0.4075	TX291	Kemah-Aris complex	0.000	0.000	0.000	0.000	0.163	0.387	0.000	0.000	0.000
Houston Lateral	TX	Liberty	15.672	16.115	0.4424	TX291	Kemah silt loam	0.000	0.000	0.000	0.000	0.000	0.376	0.000	0.000	0.000
Houston Lateral	TX	Liberty	16.115	17.522	1.4075	TX291	Kaman clay, occasionally flooded	0.000	0.000	0.000	1.408	0.000	1.267	0.000	0.000	0.000
Houston Lateral	TX	Liberty	17.522	17.798	0.2758	TX291	Fausse clay, frequently flooded	0.000	0.000	0.000	0.000	0.248	0.248	0.000	0.000	0.000
Houston Lateral	TX	Liberty	17.798	17.965	0.1670	TX291	Bienville loamy fine sand, 0 to 2 percent slopes	0.134	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.134
Houston Lateral	TX	Liberty	17.965	18.351	0.3863	TX291	Bienville-Kenefick complex, 1 to 3 percent slopes	0.155	0.000	0.000	0.000	0.000	0.135	0.000	0.000	0.155
Houston Lateral	TX	Liberty	18.351	18.916	0.5651	TX291	Spurger-Waller complex, 0 to 2 percent slopes	0.000	0.000	0.000	0.565	0.170	0.509	0.000	0.000	0.000
Houston Lateral	TX	Liberty	18.916	18.937	0.0209	TX291	Kaman clay, occasionally flooded	0.000	0.000	0.000	0.021	0.000	0.019	0.000	0.000	0.000
Houston Lateral	TX	Liberty	18.937	19.425	0.4883	TX291	Fausse clay, frequently flooded	0.000	0.000	0.000	0.000	0.439	0.439	0.000	0.000	0.000
Houston Lateral	TX	Liberty	19.425	21.702	2.2765	TX291	Kaman clay, frequently flooded	0.000	0.000	0.000	0.000	2.049	2.049	0.000	0.000	0.000
Houston Lateral	TX	Liberty	21.702	22.410	0.7083	TX291	Mantachie loam, frequently flooded	0.000	0.000	0.000	0.000	0.567	0.567	0.000	0.000	0.000
Houston Lateral	TX	Liberty	22.410	22.468	0.0580	TX291	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Houston Lateral	TX	Liberty	22.468	22.494	0.0258	TX291	Woodville fine sandy loam, 5 to 8 percent slopes	0.000	0.000	0.000	0.000	0.000	0.023	0.000	0.000	0.000
Houston Lateral	TX	Liberty	22.494	22.596	0.1022	TX291	Aldine-Aris complex	0.000	0.000	0.000	0.102	0.026	0.087	0.000	0.000	0.000
Houston Lateral	TX	Liberty	22.596	22.984	0.3873	TX291	Beaumont clay	0.000	0.000	0.000	0.387	0.349	0.349	0.000	0.000	0.000
Houston Lateral	TX	Liberty	22.984	23.183	0.1995	TX291	Voss fine sand, occasionally flooded	0.170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.170
Houston Lateral	TX	Liberty	23.183	23.483	0.2996	TX291	Aldine-Aris complex	0.000	0.000	0.000	0.300	0.075	0.255	0.000	0.000	0.000
Houston Lateral	TX	Liberty	23.483	23.955	0.4722	TX291	Beaumont clay	0.000	0.000	0.000	0.472	0.425	0.425	0.000	0.000	0.000
Houston Lateral	TX	Liberty	23.955	27.019	3.0640	TX291	Bernard-Morey complex	0.000	0.000	0.000	3.064	0.000	2.451	0.000	0.000	0.000
Houston Lateral	TX	Liberty	27.019	28.019	1.0003	TX291	Beaumont clay	0.000	0.000	0.000	1.000	0.900	0.900	0.000	0.000	0.000
Houston Lateral	TX	Liberty	28.019	29.173	1.1542	TX291	League clay, 0 to 1 percent slopes	0.000	0.000	0.000	1.154	0.000	1.039	0.000	0.000	0.000
Houston Lateral	TX	Liberty	29.173	29.355	0.1815	TX291	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Houston Lateral	TX	Liberty	29.355	29.713	0.3585	TX291	League clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.358	0.000	0.323	0.000	0.000	0.000
Houston Lateral	TX	Liberty	29.713	30.187	0.4736	TX291	Mocarey-Yeaton complex	0.000	0.000	0.000	0.474	0.000	0.379	0.000	0.000	0.000
Houston Lateral	TX	Liberty	30.187	31.286	1.0987	TX291	Beaumont clay	0.000	0.000	0.000	1.099	0.989	0.989	0.000	0.000	0.000
Houston Lateral	TX	Liberty	31.286	31.577	0.2917	TX291	Mocarey-Yeaton complex	0.000	0.000	0.000	0.292	0.000	0.233	0.000	0.000	0.000
Houston Lateral	TX	Liberty	31.577	31.867	0.2892	TX291	Bernard-Morey complex	0.000	0.000	0.000	0.289	0.000	0.231	0.000	0.000	0.000
Houston Lateral	TX	Chambers	31.867	32.783	0.9168	TX071	Morey silt loam, levelled	0.000	0.000	0.000	0.917	0.092	0.871	0.000	0.000	0.000
Houston Lateral	TX	Chambers	32.783	34.183	1.4000	TX071	Lake Charles clay, 0 to 1 percent slopes	0.000	0.000	0.000	1.400	0.140	1.330	0.000	0.000	0.000
Houston Lateral	TX	Chambers	34.183	35.553	1.3701	TX071	Beaumont clay	0.000	0.000	0.000	1.370	1.302	1.302	0.000	0.000	0.000
Houston Lateral	TX	Chambers	35.553	35.594	0.0408	TX071	Lake Charles clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.041	0.004	0.039	0.000	0.000	0.000
Houston Lateral	TX	Harris	35.594	38.043	2.4488	TX201	Lake Charles clay, 0 to 1 percent slopes	0.000	0.000	0.000	2.449	0.000	2.204	0.000	0.000	0.000
Houston Lateral	TX	Harris	38.043	38.223	0.1799	TX201	Addicks loam	0.000	0.000	0.000	0.000	0.162	0.162	0.000	0.000	0.000

Table K-1 Summary of Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone		Low Revegetation Potential (miles)	Prime Farmland (miles)	Hydric (miles)	Compaction Prone (miles)	Stony-Rocky (miles)	Shallow Bedrock (miles)	Droughty (miles)
								Wind (miles)	Water (miles)							
Houston Lateral	TX	Harris	38.223	38.316	0.0927	TX201	Bernard clay loam	0.000	0.000	0.000	0.093	0.000	0.083	0.000	0.000	0.000
Houston Lateral	TX	Harris	38.316	38.761	0.4453	TX201	Addicks loam	0.000	0.000	0.000	0.000	0.401	0.401	0.000	0.000	0.000
Houston Lateral	TX	Harris	38.761	38.833	0.0725	TX201	Bernard clay loam	0.000	0.000	0.000	0.072	0.000	0.065	0.000	0.000	0.000
Houston Lateral	TX	Harris	38.833	40.161	1.3279	TX201	Addicks loam	0.000	0.000	0.000	0.000	1.195	1.195	0.000	0.000	0.000
Houston Lateral	TX	Harris	40.161	40.425	0.2634	TX201	Bernard-Edna complex	0.000	0.000	0.000	0.263	0.000	0.224	0.000	0.000	0.000
Houston Lateral	TX	Harris	40.425	40.651	0.2261	TX201	Verland silty clay loam	0.000	0.000	0.000	0.226	0.000	0.192	0.000	0.000	0.000
Houston Lateral	TX	Harris	40.651	41.137	0.4859	TX201	Bernard-Edna complex	0.000	0.000	0.000	0.486	0.000	0.413	0.000	0.000	0.000
Houston Lateral	TX	Harris	41.137	41.645	0.5083	TX201	Verland silty clay loam	0.000	0.000	0.000	0.508	0.000	0.432	0.000	0.000	0.000
Houston Lateral	TX	Harris	41.645	41.717	0.0718	TX201	Edna fine sandy loam	0.000	0.000	0.000	0.000	0.000	0.061	0.000	0.000	0.000
Houston Lateral	TX	Harris	41.717	41.771	0.0544	TX201	Vamont clay, 1 to 4 percent slopes	0.000	0.000	0.000	0.054	0.000	0.046	0.000	0.000	0.000
Houston Lateral	TX	Harris	41.771	42.009	0.2379	TX201	Lake Charles clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.238	0.000	0.214	0.000	0.000	0.000
Houston Lateral	TX	Harris	42.009	42.378	0.3692	TX201	Aldine very fine sandy loam	0.000	0.000	0.000	0.000	0.000	0.332	0.000	0.000	0.000
Houston Lateral	TX	Harris	42.378	42.633	0.2546	TX201	Atasco fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.000	0.000	0.000	0.229	0.000	0.000	0.000
Houston Lateral	TX	Harris	42.633	42.718	0.0853	TX201	Hatliff loam	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.081
Houston Lateral	TX	Harris	42.718	42.796	0.0775	TX201	Nahatche loam	0.000	0.000	0.000	0.000	0.074	0.074	0.000	0.000	0.000
Houston Lateral	TX	Harris	42.796	42.874	0.0785	TX201	Kaman clay	0.000	0.000	0.000	0.000	0.075	0.075	0.000	0.000	0.000
Houston Lateral	TX	Harris	42.874	42.949	0.0752	TX201	Nahatche loam	0.000	0.000	0.000	0.000	0.071	0.071	0.000	0.000	0.000
Houston Lateral	TX	Harris	42.949	43.036	0.0862	TX201	Kaman clay	0.000	0.000	0.000	0.000	0.082	0.082	0.000	0.000	0.000
Houston Lateral	TX	Harris	43.036	43.314	0.2783	TX201	Voss sand	0.250	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.250
Houston Lateral	TX	Harris	43.314	43.375	0.0611	TX201	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Houston Lateral	TX	Harris	43.375	43.555	0.1802	TX201	Voss sand	0.162	0.000	0.000	0.000	0.162	0.000	0.000	0.000	0.162
Houston Lateral	TX	Harris	43.555	43.803	0.2479	TX201	Kaman clay	0.000	0.000	0.000	0.000	0.236	0.236	0.000	0.000	0.000
Houston Lateral	TX	Harris	43.803	43.851	0.0481	TX201	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Houston Lateral	TX	Harris	43.851	43.912	0.0606	TX201	Kaman clay	0.000	0.000	0.000	0.000	0.058	0.058	0.000	0.000	0.000
Houston Lateral	TX	Harris	43.912	43.983	0.0714	TX201	Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Houston Lateral	TX	Harris	43.983	44.451	0.4682	TX201	Kaman clay	0.000	0.000	0.000	0.000	0.445	0.445	0.000	0.000	0.000
Houston Lateral	TX	Harris	44.451	44.569	0.1179	TX201	Atasco fine sandy loam, 1 to 4 percent slopes	0.000	0.000	0.000	0.000	0.000	0.106	0.000	0.000	0.000
Houston Lateral	TX	Harris	44.569	44.734	0.1653	TX201	Aldine very fine sandy loam	0.000	0.000	0.000	0.000	0.000	0.149	0.000	0.000	0.000
Houston Lateral	TX	Harris	44.734	44.861	0.1267	TX201	Bernard clay loam	0.000	0.000	0.000	0.127	0.000	0.114	0.000	0.000	0.000
Houston Lateral	TX	Harris	44.861	45.148	0.2870	TX201	Ozan loam	0.000	0.000	0.000	0.287	0.258	0.258	0.000	0.000	0.000
Houston Lateral	TX	Harris	45.148	45.579	0.4311	TX201	Bernard clay loam	0.000	0.000	0.000	0.431	0.000	0.388	0.000	0.000	0.000
Houston Lateral	TX	Harris	45.579	45.688	0.1084	TX201	Aldine very fine sandy loam	0.000	0.000	0.000	0.000	0.000	0.098	0.000	0.000	0.000
Houston Lateral	TX	Harris	45.688	45.932	0.2438	TX201	Bernard clay loam	0.000	0.000	0.000	0.244	0.000	0.219	0.000	0.000	0.000
Houston Lateral	TX	Harris	45.932	45.982	0.0504	TX201	Gessner loam	0.000	0.000	0.000	0.050	0.043	0.000	0.000	0.000	0.000
Houston Lateral	TX	Harris	45.982	46.521	0.5390	TX201	Bernard clay loam	0.000	0.000	0.000	0.539	0.000	0.485	0.000	0.000	0.000
Houston Lateral	TX	Harris	46.521	47.220	0.6994	TX201	Verland silty clay loam	0.000	0.000	0.000	0.699	0.000	0.594	0.000	0.000	0.000
Houston Lateral	TX	Harris	47.220	47.867	0.6471	TX201	Addicks loam	0.000	0.000	0.000	0.000	0.582	0.582	0.000	0.000	0.000
Houston Lateral	TX	Harris	47.867	48.568	0.7003	TX201	Lake Charles clay, 0 to 1 percent slopes	0.000	0.000	0.000	0.700	0.000	0.630	0.000	0.000	0.000

*indicates locaions in the Sand Hills region

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
STEELE CITY SEGMENT								
Steele City	MT	Phillips	0.740	0.752	0.013	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.013
Steele City	MT	Phillips	0.876	1.082	0.205	MT641	Phillips loam, 0 to 4 percent slopes	0.205
Steele City	MT	Phillips	1.082	1.242	0.160	MT641	Evanston loam, 0 to 4 percent slopes	0.160
Steele City	MT	Phillips	1.242	1.492	0.250	MT641	Scobey clay loam, 0 to 4 percent slopes	0.250
Steele City	MT	Phillips	1.492	1.582	0.090	MT641	Scobey-Phillips complex, 0 to 4 percent slopes	0.090
Steele City	MT	Phillips	1.582	1.717	0.135	MT641	Phillips loam, 0 to 4 percent slopes	0.135
Steele City	MT	Phillips	1.717	2.061	0.344	MT641	Scobey clay loam, 0 to 4 percent slopes	0.344
Steele City	MT	Phillips	2.061	2.275	0.214	MT641	Scobey-Phillips complex, 0 to 4 percent slopes	0.214
Steele City	MT	Phillips	2.275	2.527	0.251	MT641	Ethridge clay loam, 0 to 4 percent slopes	0.251
Steele City	MT	Phillips	3.999	5.949	1.949	MT641	Phillips-Kevin, gravelly complex, 2 to 8 percent slopes	1.949
Steele City	MT	Phillips	6.179	6.465	0.285	MT641	Scobey-Phillips complex, 0 to 4 percent slopes	0.285
Steele City	MT	Phillips	6.865	7.147	0.282	MT641	Scobey-Phillips complex, 0 to 4 percent slopes	0.282
Steele City	MT	Phillips	7.761	7.949	0.188	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.188
Steele City	MT	Phillips	7.949	8.074	0.125	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.125
Steele City	MT	Phillips	8.074	8.148	0.074	MT641	Evanston loam, 0 to 4 percent slopes	0.074
Steele City	MT	Phillips	8.148	8.276	0.128	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.128
Steele City	MT	Phillips	8.276	8.364	0.088	MT641	Evanston loam, 0 to 4 percent slopes	0.088
Steele City	MT	Phillips	8.606	9.057	0.451	MT641	Evanston loam, 0 to 4 percent slopes	0.451
Steele City	MT	Phillips	9.278	9.407	0.129	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.129
Steele City	MT	Phillips	9.407	9.778	0.370	MT641	Kevin-Sunburst clay loams, 2 to 8 percent slopes	0.370
Steele City	MT	Phillips	12.044	12.363	0.318	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.318
Steele City	MT	Phillips	13.423	13.513	0.089	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.089
Steele City	MT	Phillips	13.532	13.650	0.118	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.118
Steele City	MT	Phillips	15.427	15.444	0.017	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.017
Steele City	MT	Phillips	15.461	15.472	0.011	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.011
Steele City	MT	Phillips	16.760	16.825	0.064	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.064
Steele City	MT	Phillips	16.942	17.012	0.070	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.070
Steele City	MT	Phillips	17.959	18.226	0.266	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.266
Steele City	MT	Phillips	18.302	18.392	0.090	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.090
Steele City	MT	Phillips	18.449	18.499	0.050	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.050
Steele City	MT	Phillips	19.650	19.750	0.099	MT641	Phillips-Kevin complex, 2 to 8 percent slopes	0.099
Steele City	MT	Phillips	19.789	20.015	0.226	MT641	Phillips-Kevin complex, 2 to 8 percent slopes	0.226
Steele City	MT	Phillips	20.015	20.257	0.242	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.242
Steele City	MT	Phillips	20.257	20.337	0.080	MT641	Phillips-Kevin complex, 2 to 8 percent slopes	0.080
Steele City	MT	Phillips	20.734	20.788	0.054	MT641	Harlake clay, 0 to 2 percent slopes	0.054
Steele City	MT	Phillips	21.315	21.433	0.118	MT641	Havre-Harlake-Glendive complex, 0 to 2 percent slopes	0.118
Steele City	MT	Phillips	21.782	21.983	0.201	MT641	Phillips-Kevin complex, 2 to 8 percent slopes	0.201
Steele City	MT	Phillips	22.039	22.881	0.842	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.842
Steele City	MT	Phillips	22.935	23.912	0.977	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.977
Steele City	MT	Phillips	23.994	24.491	0.497	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.497
Steele City	MT	Phillips	24.491	25.183	0.692	MT641	Telstad-Joplin loams, 2 to 8 percent slopes	0.692
Steele City	MT	Phillips	25.358	25.413	0.055	MT641	Yamacall loam, 2 to 8 percent slopes	0.055
Steele City	MT	Phillips	25.461	25.757	0.296	MT641	Harlake-Havre clay loams, 0 to 2 percent slopes	0.296
Steele City	MT	Valley	39.273	39.333	0.060	MT105	Havre-Glendive complex	0.060
Steele City	MT	Valley	59.925	60.131	0.205	MT105	Redvale loam, 0 to 3 percent slopes	0.205
Steele City	MT	Valley	67.237	67.461	0.224	MT105	Redvale loam, 0 to 3 percent slopes	0.224
Steele City	MT	Valley	68.333	68.456	0.123	MT105	Redvale loam, 0 to 3 percent slopes	0.123
Steele City	MT	Valley	80.784	82.130	1.346	MT105	Redvale loam, 0 to 3 percent slopes	1.346
Steele City	MT	Valley	82.492	82.710	0.218	MT105	Havre silty clay loam	0.218
Steele City	MT	Valley	87.568	87.956	0.388	MT105	Havre silty clay loam	0.388
Steele City	MT	Valley	88.123	88.142	0.020	MT105	Havre silty clay loam	0.020
Steele City	MT	Valley	88.265	88.453	0.188	MT105	Havre silty clay loam	0.188
Steele City	MT	McCone	89.092	89.236	0.144	MT055	Havre silty clay loam	0.144
Steele City	MT	McCone	89.403	89.626	0.222	MT055	Havre silty clay loam, protected	0.222
Steele City	MT	McCone	89.725	89.858	0.133	MT055	Havre silty clay loam, protected	0.133
Steele City	MT	McCone	89.858	90.046	0.187	MT055	Harlem silty clay, protected	0.187
Steele City	MT	McCone	96.419	96.554	0.136	MT055	Busby fine sandy loam, 8 to 15 percent slopes	0.136
Steele City	MT	McCone	97.672	97.860	0.187	MT055	Kremlin loam, 0 to 4 percent slopes	0.187
Steele City	MT	McCone	100.219	100.265	0.046	MT055	Kremlin loam, 0 to 4 percent slopes	0.046
Steele City	MT	McCone	100.308	100.334	0.026	MT055	Kremlin loam, 0 to 4 percent slopes	0.026
Steele City	MT	McCone	101.699	101.770	0.071	MT055	Evanston loam, 2 to 8 percent slopes	0.071
Steele City	MT	McCone	102.363	102.410	0.046	MT055	Chinook fine sandy loam, 0 to 4 percent slopes	0.046
Steele City	MT	McCone	102.686	102.817	0.131	MT055	Busby fine sandy loam, 2 to 8 percent slopes	0.131
Steele City	MT	McCone	104.708	104.832	0.124	MT055	Ethridge silty clay loam, 4 to 8 percent slopes	0.124
Steele City	MT	McCone	105.365	105.379	0.014	MT055	Ethridge silty clay loam, 4 to 8 percent slopes	0.014
Steele City	MT	McCone	105.518	105.571	0.053	MT055	Ethridge silty clay loam, 4 to 8 percent slopes	0.053
Steele City	MT	McCone	105.697	105.749	0.052	MT055	Ethridge silty clay loam, 4 to 8 percent slopes	0.052
Steele City	MT	McCone	105.883	106.102	0.219	MT055	Ethridge silty clay loam, 4 to 8 percent slopes	0.219
Steele City	MT	McCone	108.220	108.606	0.386	MT055	Havre silt loam	0.386
Steele City	MT	McCone	108.730	108.781	0.050	MT055	Chinook fine sandy loam, 0 to 4 percent slopes	0.050

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	MT	McCone	109.075	109.156	0.081	MT055	Kremlin loam, 0 to 4 percent slopes	0.081
Steele City	MT	McCone	111.156	111.220	0.064	MT055	Kremlin loam, 0 to 4 percent slopes	0.064
Steele City	MT	McCone	111.376	111.415	0.039	MT055	Yamac loam, 0 to 4 percent slopes	0.039
Steele City	MT	McCone	114.795	114.883	0.088	MT055	Yamac loam, 0 to 4 percent slopes	0.088
Steele City	MT	McCone	115.710	115.827	0.117	MT055	Kremlin loam, 0 to 4 percent slopes	0.117
Steele City	MT	McCone	119.158	119.213	0.055	MT055	Kremlin loam, 0 to 4 percent slopes	0.055
Steele City	MT	McCone	119.213	119.280	0.067	MT055	Havre silt loam	0.067
Steele City	MT	McCone	121.213	121.319	0.106	MT055	Ethridge silty clay loam, 0 to 4 percent slopes	0.106
Steele City	MT	McCone	121.425	122.072	0.647	MT055	Ethridge silty clay loam, 0 to 4 percent slopes	0.647
Steele City	MT	McCone	122.358	122.442	0.084	MT055	Evanston loam, 0 to 2 percent slopes	0.084
Steele City	MT	McCone	122.881	122.886	0.005	MT055	Ethridge silty clay loam, 0 to 4 percent slopes	0.005
Steele City	MT	McCone	123.585	123.937	0.351	MT055	Kremlin loam, 4 to 8 percent slopes	0.351
Steele City	MT	McCone	124.005	124.065	0.060	MT055	Kremlin loam, 4 to 8 percent slopes	0.060
Steele City	MT	McCone	127.811	127.879	0.067	MT055	Kremlin loam, 4 to 8 percent slopes	0.067
Steele City	MT	McCone	129.063	129.179	0.117	MT055	Busby fine sandy loam, 2 to 8 percent slopes	0.117
Steele City	MT	McCone	129.179	129.472	0.293	MT055	Kremlin loam, 4 to 8 percent slopes	0.293
Steele City	MT	McCone	131.873	131.942	0.069	MT055	Shambo-Cambert loams, 2 to 8 percent slopes	0.069
Steele City	MT	McCone	132.044	132.170	0.126	MT055	Shambo-Cambert loams, 2 to 8 percent slopes	0.126
Steele City	MT	McCone	132.170	132.300	0.130	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.130
Steele City	MT	McCone	132.300	132.345	0.045	MT055	Cambert loam, 2 to 8 percent slopes	0.045
Steele City	MT	McCone	132.373	132.477	0.105	MT055	Cambert loam, 2 to 8 percent slopes	0.105
Steele City	MT	McCone	132.477	132.663	0.185	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.185
Steele City	MT	McCone	132.663	132.756	0.094	MT055	Cambert loam, 2 to 8 percent slopes	0.094
Steele City	MT	McCone	132.756	133.370	0.614	MT055	Bryant silt loam, 0 to 4 percent slopes	0.614
Steele City	MT	McCone	133.370	133.531	0.161	MT055	Cherry silt loam, 0 to 4 percent slopes	0.161
Steele City	MT	McCone	133.531	133.588	0.057	MT055	Cambert loam, 2 to 8 percent slopes	0.057
Steele City	MT	McCone	133.588	133.713	0.125	MT055	Bryant silt loam, 0 to 4 percent slopes	0.125
Steele City	MT	McCone	133.771	134.047	0.276	MT055	Cambert loam, 2 to 8 percent slopes	0.276
Steele City	MT	McCone	134.047	134.289	0.241	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.241
Steele City	MT	McCone	134.289	134.377	0.088	MT055	Bryant silt loam, 0 to 4 percent slopes	0.088
Steele City	MT	McCone	134.427	134.673	0.246	MT055	Cambert loam, 2 to 8 percent slopes	0.246
Steele City	MT	McCone	134.673	134.842	0.169	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.169
Steele City	MT	McCone	134.842	134.963	0.122	MT055	Cambert loam, 2 to 8 percent slopes	0.122
Steele City	MT	McCone	134.963	135.015	0.052	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.052
Steele City	MT	McCone	135.097	135.247	0.150	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.150
Steele City	MT	McCone	135.247	135.266	0.019	MT055	Cambert loam, 2 to 8 percent slopes	0.019
Steele City	MT	McCone	135.266	135.334	0.068	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.068
Steele City	MT	McCone	135.334	135.372	0.038	MT055	Bryant silt loam, 0 to 4 percent slopes	0.038
Steele City	MT	McCone	135.436	135.726	0.290	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.290
Steele City	MT	McCone	135.986	136.109	0.123	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.123
Steele City	MT	McCone	136.109	136.183	0.074	MT055	Bryant silt loam, 0 to 4 percent slopes	0.074
Steele City	MT	McCone	136.183	136.225	0.042	MT055	Cherry silt loam, 0 to 4 percent slopes	0.042
Steele City	MT	McCone	136.292	136.458	0.166	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.166
Steele City	MT	McCone	136.649	136.817	0.168	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.168
Steele City	MT	McCone	136.953	137.029	0.076	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.076
Steele City	MT	McCone	137.029	137.204	0.175	MT055	Cambert loam, 2 to 8 percent slopes	0.175
Steele City	MT	McCone	137.204	137.252	0.047	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.047
Steele City	MT	McCone	137.252	137.384	0.132	MT055	Cambert loam, 2 to 8 percent slopes	0.132
Steele City	MT	McCone	137.384	137.637	0.253	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.253
Steele City	MT	McCone	138.012	138.155	0.142	MT055	Cambert loam, 2 to 8 percent slopes	0.142
Steele City	MT	McCone	138.155	138.268	0.114	MT055	Cherry silt loam, 0 to 4 percent slopes	0.114
Steele City	MT	McCone	138.354	138.420	0.067	MT055	Bryant silt loam, 0 to 4 percent slopes	0.067
Steele City	MT	McCone	138.498	138.632	0.134	MT055	Cherry silt loam, 0 to 4 percent slopes	0.134
Steele City	MT	McCone	138.705	138.761	0.056	MT055	Shambo loam, 0 to 4 percent slopes	0.056
Steele City	MT	McCone	138.761	138.796	0.035	MT055	Cherry silt loam, 0 to 4 percent slopes	0.035
Steele City	MT	McCone	138.852	138.869	0.017	MT055	Cherry silt loam, 0 to 4 percent slopes	0.017
Steele City	MT	McCone	138.869	139.061	0.192	MT055	Cambert loam, 2 to 8 percent slopes	0.192
Steele City	MT	McCone	139.215	139.302	0.087	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.087
Steele City	MT	McCone	139.302	139.356	0.053	MT055	Bryant silt loam, 0 to 4 percent slopes	0.053
Steele City	MT	McCone	139.404	139.554	0.150	MT055	Cambert loam, 2 to 8 percent slopes	0.150
Steele City	MT	McCone	139.711	139.759	0.048	MT055	Bryant silt loam, 0 to 4 percent slopes	0.048
Steele City	MT	McCone	139.873	139.948	0.075	MT055	Bryant silt loam, 0 to 4 percent slopes	0.075
Steele City	MT	McCone	139.948	140.053	0.105	MT055	Cambert loam, 2 to 8 percent slopes	0.105
Steele City	MT	McCone	140.234	140.346	0.111	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.111
Steele City	MT	McCone	140.377	140.407	0.030	MT055	Cambert loam, 2 to 8 percent slopes	0.030
Steele City	MT	McCone	140.407	140.431	0.024	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.024
Steele City	MT	McCone	140.431	140.478	0.047	MT055	Cambert loam, 2 to 8 percent slopes	0.047
Steele City	MT	McCone	140.600	140.728	0.128	MT055	Cambert loam, 2 to 8 percent slopes	0.128
Steele City	MT	McCone	140.899	141.007	0.108	MT055	Cambert loam, 2 to 8 percent slopes	0.108
Steele City	MT	McCone	141.284	141.309	0.025	MT055	Cambert loam, 2 to 8 percent slopes	0.025
Steele City	MT	McCone	141.490	142.206	0.716	MT055	Cambert loam, 2 to 8 percent slopes	0.716

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	MT	McCone	142.206	142.363	0.157	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.157
Steele City	MT	McCone	142.363	142.417	0.054	MT055	Cambert loam, 2 to 8 percent slopes	0.054
Steele City	MT	McCone	142.417	142.473	0.056	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.056
Steele City	MT	McCone	142.473	142.829	0.356	MT055	Cambert loam, 2 to 8 percent slopes	0.356
Steele City	MT	McCone	142.894	142.941	0.046	MT055	Cambert loam, 2 to 8 percent slopes	0.046
Steele City	MT	McCone	143.026	143.442	0.416	MT055	Cambert loam, 2 to 8 percent slopes	0.416
Steele City	MT	McCone	143.537	143.723	0.185	MT055	Cambert loam, 2 to 8 percent slopes	0.185
Steele City	MT	McCone	143.723	143.889	0.166	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.166
Steele City	MT	McCone	143.889	144.112	0.224	MT055	Cambert loam, 2 to 8 percent slopes	0.224
Steele City	MT	McCone	144.112	144.372	0.260	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.260
Steele City	MT	McCone	144.372	144.406	0.033	MT055	Cherry silt loam, 0 to 4 percent slopes	0.033
Steele City	MT	McCone	144.406	144.464	0.058	MT055	Cambert loam, 2 to 8 percent slopes	0.058
Steele City	MT	McCone	144.464	144.540	0.076	MT055	Cherry silt loam, 0 to 4 percent slopes	0.076
Steele City	MT	McCone	144.540	144.685	0.145	MT055	Cambert loam, 2 to 8 percent slopes	0.145
Steele City	MT	McCone	144.685	144.759	0.074	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.074
Steele City	MT	McCone	144.759	144.975	0.216	MT055	Cherry silt loam, 0 to 4 percent slopes	0.216
Steele City	MT	McCone	144.975	145.049	0.073	MT055	Cambert loam, 2 to 8 percent slopes	0.073
Steele City	MT	McCone	145.049	145.062	0.013	MT055	Cherry silt loam, 0 to 4 percent slopes	0.013
Steele City	MT	McCone	145.062	145.192	0.130	MT055	Cambert loam, 2 to 8 percent slopes	0.130
Steele City	MT	McCone	145.192	145.430	0.238	MT055	Cherry silt loam, 0 to 4 percent slopes	0.238
Steele City	MT	McCone	145.430	145.582	0.152	MT055	Cambert loam, 2 to 8 percent slopes	0.152
Steele City	MT	McCone	145.677	145.825	0.148	MT055	Cambert loam, 2 to 8 percent slopes	0.148
Steele City	MT	McCone	146.144	146.208	0.063	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.063
Steele City	MT	McCone	146.208	146.314	0.107	MT055	Havrelon loam	0.107
Steele City	MT	McCone	146.314	146.527	0.213	MT055	Trembles fine sandy loam	0.213
Steele City	MT	McCone	146.597	146.619	0.022	MT055	Trembles fine sandy loam	0.022
Steele City	MT	McCone	146.619	147.434	0.815	MT055	Cherry silt loam, 0 to 4 percent slopes	0.815
Steele City	MT	McCone	147.434	147.673	0.239	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.239
Steele City	MT	McCone	147.673	147.922	0.249	MT055	Cherry silt loam, 0 to 4 percent slopes	0.249
Steele City	MT	McCone	147.922	148.021	0.099	MT055	Bryant silt loam, 0 to 4 percent slopes	0.099
Steele City	MT	McCone	148.021	148.173	0.151	MT055	Cambert loam, 2 to 8 percent slopes	0.151
Steele City	MT	McCone	148.173	148.379	0.207	MT055	Bryant silt loam, 0 to 4 percent slopes	0.207
Steele City	MT	McCone	148.674	148.815	0.141	MT055	Bryant silt loam, 0 to 4 percent slopes	0.141
Steele City	MT	McCone	148.815	148.925	0.110	MT055	Cambert loam, 2 to 8 percent slopes	0.110
Steele City	MT	McCone	149.151	149.267	0.116	MT055	Cherry silt loam, 0 to 4 percent slopes	0.116
Steele City	MT	McCone	149.267	149.355	0.088	MT055	Cambert loam, 2 to 8 percent slopes	0.088
Steele City	MT	McCone	149.355	149.550	0.195	MT055	Macar loam, 4 to 8 percent slopes	0.195
Steele City	MT	McCone	149.717	149.771	0.055	MT055	Shambo loam, 4 to 8 percent slopes	0.055
Steele City	MT	McCone	149.771	149.889	0.118	MT055	Bryant silt loam, 0 to 4 percent slopes	0.118
Steele City	MT	McCone	149.889	149.962	0.073	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.073
Steele City	MT	McCone	149.962	150.190	0.228	MT055	Bryant silt loam, 0 to 4 percent slopes	0.228
Steele City	MT	McCone	150.190	150.453	0.264	MT055	Shambo loam, 4 to 8 percent slopes	0.264
Steele City	MT	McCone	150.488	150.490	0.002	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.002
Steele City	MT	McCone	150.569	150.856	0.287	MT055	Cherry silt loam, 0 to 4 percent slopes	0.287
Steele City	MT	McCone	150.856	151.032	0.176	MT055	Cambert loam, 2 to 8 percent slopes	0.176
Steele City	MT	McCone	151.032	151.316	0.284	MT055	Cherry silt loam, 0 to 4 percent slopes	0.284
Steele City	MT	McCone	151.359	151.763	0.404	MT055	Cherry silt loam, 0 to 4 percent slopes	0.404
Steele City	MT	McCone	151.763	151.825	0.062	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.062
Steele City	MT	McCone	151.825	152.033	0.208	MT055	Cherry silt loam, 0 to 4 percent slopes	0.208
Steele City	MT	McCone	152.033	152.300	0.267	MT055	Macar loam, 4 to 8 percent slopes	0.267
Steele City	MT	McCone	152.300	152.326	0.026	MT055	Cherry silt loam, 0 to 4 percent slopes	0.026
Steele City	MT	McCone	152.326	152.397	0.071	MT055	Macar loam, 4 to 8 percent slopes	0.071
Steele City	MT	McCone	152.435	152.488	0.054	MT055	Macar-Cambert loams, 2 to 8 percent slopes	0.054
Steele City	MT	McCone	152.488	152.893	0.404	MT055	Cambert loam, 2 to 8 percent slopes	0.404
Steele City	MT	McCone	152.893	153.140	0.247	MT055	Cherry silt loam, 0 to 4 percent slopes	0.247
Steele City	MT	McCone	153.278	153.323	0.046	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.046
Steele City	MT	McCone	153.723	154.159	0.437	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.437
Steele City	MT	McCone	154.355	154.499	0.144	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.144
Steele City	MT	McCone	155.088	155.124	0.037	MT055	Shambo-Cambert loams, 2 to 8 percent slopes	0.037
Steele City	MT	McCone	155.631	156.045	0.414	MT055	Macar loam, 4 to 8 percent slopes	0.414
Steele City	MT	Dawson	156.749	156.878	0.129	MT021	Attewan loam, 2 to 4 percent slopes	0.129
Steele City	MT	Dawson	156.878	156.915	0.037	MT021	Kremlin loam, 4 to 8 percent slopes	0.037
Steele City	MT	Dawson	156.915	156.973	0.058	MT021	Attewan loam, 2 to 4 percent slopes	0.058
Steele City	MT	Dawson	157.476	157.649	0.173	MT021	Chinook fine sandy loam, 4 to 8 percent slopes	0.173
Steele City	MT	Dawson	158.524	158.640	0.116	MT021	Chinook fine sandy loam, 4 to 8 percent slopes	0.116
Steele City	MT	Dawson	161.262	161.352	0.090	MT021	Kremlin loam, 2 to 4 percent slopes	0.090
Steele City	MT	Dawson	162.346	162.378	0.032	MT021	Attewan loam, 4 to 8 percent slopes	0.032
Steele City	MT	Dawson	162.764	163.085	0.321	MT021	Attewan loam, 2 to 4 percent slopes	0.321
Steele City	MT	Dawson	169.268	169.422	0.154	MT021	Kremlin loam, 2 to 4 percent slopes	0.154
Steele City	MT	Dawson	169.829	169.869	0.039	MT021	Kremlin loam, 2 to 4 percent slopes	0.039
Steele City	MT	Dawson	181.573	181.584	0.012	MT021	Kremlin loam, 4 to 8 percent slopes	0.012

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	MT	Dawson	182.056	182.175	0.119	MT021	Kremlin loam, 4 to 8 percent slopes	0.119
Steele City	MT	Dawson	182.175	182.212	0.037	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.037
Steele City	MT	Dawson	182.212	182.342	0.129	MT021	Kremlin loam, 4 to 8 percent slopes	0.129
Steele City	MT	Dawson	182.342	183.606	1.265	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	1.265
Steele City	MT	Dawson	183.706	183.734	0.028	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.028
Steele City	MT	Dawson	183.873	183.996	0.123	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.123
Steele City	MT	Dawson	184.067	184.505	0.438	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.438
Steele City	MT	Dawson	184.505	184.639	0.134	MT021	Attewan loam, 2 to 4 percent slopes	0.134
Steele City	MT	Dawson	186.005	186.253	0.249	MT021	Kremlin loam, 4 to 8 percent slopes	0.249
Steele City	MT	Dawson	187.054	187.216	0.163	MT021	Attewan loam, 2 to 4 percent slopes	0.163
Steele City	MT	Dawson	187.341	187.710	0.369	MT021	Attewan loam, 2 to 4 percent slopes	0.369
Steele City	MT	Dawson	188.265	188.340	0.074	MT021	Kremlin loam, 4 to 8 percent slopes	0.074
Steele City	MT	Dawson	188.515	188.843	0.328	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.328
Steele City	MT	Dawson	188.843	189.165	0.322	MT021	Attewan loam, 2 to 4 percent slopes	0.322
Steele City	MT	Dawson	189.293	189.406	0.113	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.113
Steele City	MT	Dawson	189.461	189.611	0.150	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.150
Steele City	MT	Dawson	189.944	190.303	0.359	MT021	Attewan loam, 2 to 4 percent slopes	0.359
Steele City	MT	Dawson	190.303	190.862	0.559	MT021	Chinook fine sandy loam, 0 to 4 percent slopes	0.559
Steele City	MT	Dawson	190.862	191.407	0.545	MT021	Kremlin loam, 4 to 8 percent slopes	0.545
Steele City	MT	Dawson	191.407	192.038	0.632	MT021	Attewan loam, 2 to 4 percent slopes	0.632
Steele City	MT	Dawson	193.659	193.664	0.005	MT021	Glendive loam, 0 to 2 percent slopes, occasionally flooded	0.005
Steele City	MT	Dawson	194.254	194.262	0.008	MT021	Glendive loam, 0 to 2 percent slopes, occasionally flooded	0.008
Steele City	MT	Dawson	194.262	194.552	0.290	MT021	Glendive fine sandy loam, 0 to 2 percent slopes, occasionally flooded	0.290
Steele City	MT	Dawson	194.987	195.013	0.026	MT021	Havre silt loam, 0 to 2 percent slopes	0.026
Steele City	MT	Dawson	195.013	195.302	0.289	MT021	Glendive loam, 0 to 2 percent slopes, occasionally flooded	0.289
Steele City	MT	Dawson	195.302	195.643	0.341	MT021	Havre silt loam, 0 to 2 percent slopes	0.341
Steele City	MT	Dawson	195.682	195.721	0.038	MT021	Glendive loam, 0 to 2 percent slopes, occasionally flooded	0.038
Steele City	MT	Prairie	197.536	197.631	0.095	MT079	Degrand loam, 0 to 4 percent slopes	0.095
Steele City	MT	Prairie	197.648	197.890	0.242	MT079	Degrand loam, 0 to 4 percent slopes	0.242
Steele City	MT	Prairie	198.248	198.314	0.067	MT079	Degrand loam, 0 to 4 percent slopes	0.067
Steele City	MT	Prairie	198.353	199.470	1.117	MT079	Degrand loam, 0 to 4 percent slopes	1.117
Steele City	MT	Prairie	201.339	201.408	0.069	MT079	Kremlin loam, 0 to 2 percent slopes	0.069
Steele City	MT	Prairie	201.408	201.481	0.074	MT079	Glendive fine sandy loam, 0 to 2 percent slopes	0.074
Steele City	MT	Prairie	201.481	201.719	0.237	MT079	Busby fine sandy loam, 0 to 2 percent slopes	0.237
Steele City	MT	Prairie	201.719	201.908	0.189	MT079	Busby fine sandy loam, 2 to 8 percent slopes	0.189
Steele City	MT	Prairie	201.908	201.954	0.046	MT079	Busby fine sandy loam, 0 to 2 percent slopes	0.046
Steele City	MT	Prairie	201.954	202.306	0.352	MT079	Glendive fine sandy loam, 0 to 2 percent slopes	0.352
Steele City	MT	Prairie	202.306	202.373	0.067	MT079	Yamac loam, 0 to 2 percent slopes	0.067
Steele City	MT	Prairie	202.534	202.560	0.027	MT079	Floweree silt loam, calcareous, 0 to 2 percent slopes	0.027
Steele City	MT	Prairie	202.687	202.832	0.145	MT079	Floweree silt loam, calcareous, 0 to 2 percent slopes	0.145
Steele City	MT	Prairie	202.832	203.203	0.371	MT079	Yamac loam, 0 to 2 percent slopes	0.371
Steele City	MT	Prairie	204.239	204.278	0.039	MT079	Chinook-Kremlin complex, 2 to 6 percent slopes	0.039
Steele City	MT	Prairie	204.806	205.075	0.270	MT079	Degrand loam, 0 to 4 percent slopes	0.270
Steele City	MT	Prairie	205.191	205.305	0.114	MT079	Kremlin loam, 2 to 8 percent slopes	0.114
Steele City	MT	Prairie	205.563	205.588	0.025	MT079	Parshall fine sandy loam, 2 to 6 percent slopes	0.025
Steele City	MT	Prairie	208.377	208.537	0.160	MT079	Chinook-Twilight fine sandy loams, 2 to 8 percent slopes	0.160
Steele City	MT	Fallon	219.205	219.885	0.680	MT025	Kremlin loam, 2 to 8 percent slopes	0.680
Steele City	MT	Fallon	222.057	222.173	0.116	MT025	Lonna silt loam, 2 to 8 percent slopes	0.116
Steele City	MT	Fallon	222.173	222.286	0.113	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.113
Steele City	MT	Fallon	222.341	222.407	0.066	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.066
Steele City	MT	Fallon	222.440	222.527	0.086	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.086
Steele City	MT	Fallon	223.145	223.318	0.173	MT025	Lonna silt loam, 2 to 8 percent slopes	0.173
Steele City	MT	Fallon	224.866	224.939	0.073	MT025	Floweree silt loam, 2 to 8 percent slopes	0.073
Steele City	MT	Fallon	225.137	225.204	0.067	MT025	Kremlin loam, 2 to 8 percent slopes	0.067
Steele City	MT	Fallon	226.051	226.173	0.122	MT025	Kremlin loam, 2 to 8 percent slopes	0.122
Steele City	MT	Fallon	226.232	226.281	0.050	MT025	Kremlin loam, 2 to 8 percent slopes	0.050
Steele City	MT	Fallon	226.281	226.342	0.061	MT025	Lonna silt loam, 0 to 2 percent slopes	0.061
Steele City	MT	Fallon	226.440	226.678	0.238	MT025	Lonna silt loam, 2 to 8 percent slopes	0.238
Steele City	MT	Fallon	226.678	226.837	0.159	MT025	Lonna silt loam, 0 to 2 percent slopes	0.159
Steele City	MT	Fallon	226.837	227.014	0.177	MT025	Havre loam, 0 to 2 percent slopes	0.177
Steele City	MT	Fallon	227.014	227.283	0.270	MT025	Lonna silt loam, 0 to 2 percent slopes	0.270
Steele City	MT	Fallon	227.283	227.816	0.533	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.533
Steele City	MT	Fallon	228.000	228.038	0.038	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.038
Steele City	MT	Fallon	228.076	228.234	0.158	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.158
Steele City	MT	Fallon	228.305	228.533	0.228	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.228
Steele City	MT	Fallon	228.585	228.870	0.285	MT025	Lonna silt loam, 2 to 8 percent slopes	0.285
Steele City	MT	Fallon	229.626	229.738	0.112	MT025	Lonna silt loam, 2 to 8 percent slopes	0.112
Steele City	MT	Fallon	230.155	230.209	0.054	MT025	Lonna silt loam, 2 to 8 percent slopes	0.054
Steele City	MT	Fallon	230.393	230.473	0.080	MT025	Kobase silty clay loam, 2 to 8 percent slopes	0.080
Steele City	MT	Fallon	231.798	231.974	0.176	MT025	Kremlin loam, 2 to 8 percent slopes	0.176

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	MT	Fallon	231.974	232.005	0.032	MT025	Lonna silt loam, 2 to 8 percent slopes	0.032
Steele City	MT	Fallon	232.030	232.071	0.041	MT025	Lonna silt loam, 2 to 8 percent slopes	0.041
Steele City	MT	Fallon	232.071	232.708	0.637	MT025	Eapa loam, 2 to 8 percent slopes	0.637
Steele City	MT	Fallon	232.708	232.719	0.011	MT025	Havre-Harlake complex, 0 to 2 percent slopes	0.011
Steele City	MT	Fallon	233.236	233.364	0.128	MT025	Floweree silt loam, 0 to 2 percent slopes	0.128
Steele City	MT	Fallon	233.426	233.896	0.470	MT025	Floweree silt loam, 0 to 2 percent slopes	0.470
Steele City	MT	Fallon	233.896	234.282	0.387	MT025	Kremlin loam, 0 to 2 percent slopes	0.387
Steele City	MT	Fallon	234.389	234.714	0.325	MT025	Havre-Harlake complex, 0 to 2 percent slopes	0.325
Steele City	MT	Fallon	235.637	235.729	0.093	MT025	Cambeth silt loam, 2 to 8 percent slopes	0.093
Steele City	MT	Fallon	236.260	236.503	0.243	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.243
Steele City	MT	Fallon	236.551	236.722	0.172	MT025	Eapa loam, 2 to 8 percent slopes	0.172
Steele City	MT	Fallon	236.722	236.998	0.276	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.276
Steele City	MT	Fallon	236.998	237.231	0.232	MT025	Kremlin loam, 2 to 8 percent slopes	0.232
Steele City	MT	Fallon	237.231	237.419	0.189	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.189
Steele City	MT	Fallon	237.419	237.489	0.069	MT025	Twilight fine sandy loam, 8 to 15 percent slopes	0.069
Steele City	MT	Fallon	237.538	237.583	0.044	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.044
Steele City	MT	Fallon	237.594	237.673	0.079	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.079
Steele City	MT	Fallon	238.585	238.679	0.094	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.094
Steele City	MT	Fallon	238.679	238.759	0.081	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.081
Steele City	MT	Fallon	238.759	238.818	0.059	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.059
Steele City	MT	Fallon	238.818	238.839	0.021	MT025	Eapa loam, 2 to 8 percent slopes	0.021
Steele City	MT	Fallon	238.839	238.886	0.047	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.047
Steele City	MT	Fallon	238.886	238.995	0.109	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.109
Steele City	MT	Fallon	238.995	239.047	0.052	MT025	Assinniboine sandy clay loam, 2 to 8 percent slopes	0.052
Steele City	MT	Fallon	239.047	239.318	0.271	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.271
Steele City	MT	Fallon	239.318	239.449	0.131	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.131
Steele City	MT	Fallon	239.449	239.633	0.184	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.184
Steele City	MT	Fallon	239.633	239.732	0.099	MT025	Assinniboine sandy clay loam, 2 to 8 percent slopes	0.099
Steele City	MT	Fallon	239.732	239.961	0.229	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.229
Steele City	MT	Fallon	240.193	240.260	0.067	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.067
Steele City	MT	Fallon	240.831	241.218	0.387	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.387
Steele City	MT	Fallon	243.893	244.083	0.189	MT025	Eapa loam, 2 to 8 percent slopes	0.189
Steele City	MT	Fallon	244.256	244.335	0.079	MT025	Havre loam, 0 to 2 percent slopes	0.079
Steele City	MT	Fallon	244.335	244.662	0.327	MT025	Bonfri loam, 2 to 8 percent slopes	0.327
Steele City	MT	Fallon	244.662	244.728	0.066	MT025	Bonfri-Cambeth complex, 2 to 8 percent slopes	0.066
Steele City	MT	Fallon	244.728	244.862	0.134	MT025	Eapa loam, 2 to 8 percent slopes	0.134
Steele City	MT	Fallon	244.862	245.398	0.536	MT025	Bonfri-Cambeth complex, 2 to 8 percent slopes	0.536
Steele City	MT	Fallon	245.474	245.588	0.114	MT025	Eapa loam, 2 to 8 percent slopes	0.114
Steele City	MT	Fallon	245.588	245.666	0.078	MT025	Bonfri loam, 2 to 8 percent slopes	0.078
Steele City	MT	Fallon	245.666	246.111	0.445	MT025	Eapa loam, 2 to 8 percent slopes	0.445
Steele City	MT	Fallon	246.111	246.149	0.038	MT025	Tanna-Ethridge silty clay loams, 2 to 8 percent slopes	0.038
Steele City	MT	Fallon	246.160	246.772	0.612	MT025	Tanna-Ethridge silty clay loams, 2 to 8 percent slopes	0.612
Steele City	MT	Fallon	246.772	247.326	0.554	MT025	Bonfri-Cambeth complex, 2 to 8 percent slopes	0.554
Steele City	MT	Fallon	247.791	248.107	0.316	MT025	Tanna-Ethridge silty clay loams, 2 to 8 percent slopes	0.316
Steele City	MT	Fallon	249.185	249.521	0.336	MT025	Bonfri loam, 2 to 8 percent slopes	0.336
Steele City	MT	Fallon	249.896	250.039	0.143	MT025	Havre loam, 0 to 2 percent slopes	0.143
Steele City	MT	Fallon	250.619	250.713	0.093	MT025	Havre loam, 0 to 2 percent slopes	0.093
Steele City	MT	Fallon	250.713	250.820	0.107	MT025	Bonfri-Cambeth complex, 2 to 8 percent slopes	0.107
Steele City	MT	Fallon	251.671	251.755	0.084	MT025	Tanna-Ethridge silty clay loams, 2 to 8 percent slopes	0.084
Steele City	MT	Fallon	252.213	252.602	0.389	MT025	Twilight fine sandy loam, 8 to 15 percent slopes	0.389
Steele City	MT	Fallon	255.083	255.160	0.077	MT025	Twilight fine sandy loam, 2 to 8 percent slopes	0.077
Steele City	MT	Fallon	255.191	255.334	0.143	MT025	Twilight fine sandy loam, 2 to 8 percent slopes	0.143
Steele City	MT	Fallon	255.466	255.622	0.156	MT025	Twilight fine sandy loam, 2 to 8 percent slopes	0.156
Steele City	MT	Fallon	255.887	255.978	0.091	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.091
Steele City	MT	Fallon	256.239	256.580	0.341	MT025	Carfall-Assinniboine complex, 2 to 8 percent slopes	0.341
Steele City	MT	Fallon	256.713	256.832	0.119	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.119
Steele City	MT	Fallon	257.324	257.541	0.216	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.216
Steele City	MT	Fallon	257.541	257.754	0.213	MT025	Carfall-Assinniboine complex, 2 to 8 percent slopes	0.213
Steele City	MT	Fallon	257.754	257.834	0.080	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.080
Steele City	MT	Fallon	258.141	258.176	0.035	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.035
Steele City	MT	Fallon	259.900	260.338	0.438	MT025	Carfall-Assinniboine complex, 2 to 8 percent slopes	0.438
Steele City	MT	Fallon	260.813	260.937	0.124	MT025	Carfall loam, 2 to 8 percent slopes	0.124
Steele City	MT	Fallon	261.344	261.565	0.221	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.221
Steele City	MT	Fallon	261.565	262.119	0.554	MT025	Ynot sandy loam, 0 to 2 percent slopes	0.554
Steele City	MT	Fallon	262.119	262.365	0.246	MT025	Carfall loam, 2 to 8 percent slopes	0.246
Steele City	MT	Fallon	262.767	263.041	0.274	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.274
Steele City	MT	Fallon	263.477	263.540	0.063	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.063
Steele City	MT	Fallon	263.540	263.591	0.051	MT025	Chinook sandy loam, 8 to 15 percent slopes	0.051
Steele City	MT	Fallon	263.591	263.625	0.034	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.034
Steele City	MT	Fallon	263.650	263.693	0.043	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.043
Steele City	MT	Fallon	263.693	264.101	0.408	MT025	Chinook-Assinniboine complex, 2 to 8 percent slopes	0.408

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	MT	Fallon	264.192	264.270	0.078	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.078
Steele City	MT	Fallon	266.681	266.867	0.186	MT025	Chinook-Assinniboine complex, 2 to 8 percent slopes	0.186
Steele City	MT	Fallon	267.612	267.837	0.225	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.225
Steele City	MT	Fallon	268.158	268.247	0.089	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.089
Steele City	MT	Fallon	268.916	268.945	0.030	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.030
Steele City	MT	Fallon	269.609	269.612	0.003	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.003
Steele City	MT	Fallon	269.623	269.734	0.112	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.112
Steele City	MT	Fallon	269.734	269.815	0.081	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.081
Steele City	MT	Fallon	269.832	269.885	0.053	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.053
Steele City	MT	Fallon	270.025	270.201	0.176	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.176
Steele City	MT	Fallon	270.599	270.680	0.081	MT025	Ynot sandy loam, 8 to 15 percent slopes	0.081
Steele City	MT	Fallon	271.242	271.681	0.439	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.439
Steele City	MT	Fallon	271.978	272.064	0.086	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.086
Steele City	MT	Fallon	272.204	272.237	0.033	MT025	Twilight fine sandy loam, 2 to 8 percent slopes	0.033
Steele City	MT	Fallon	272.537	272.722	0.185	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.185
Steele City	MT	Fallon	273.144	273.286	0.142	MT025	Ynot sandy loam, 8 to 15 percent slopes	0.142
Steele City	MT	Fallon	273.286	273.346	0.060	MT025	Assinniboine-Ynot complex, 2 to 8 percent slopes	0.060
Steele City	MT	Fallon	273.527	273.624	0.097	MT025	Eapa loam, 2 to 8 percent slopes	0.097
Steele City	MT	Fallon	273.945	274.031	0.086	MT025	Eapa loam, 2 to 8 percent slopes	0.086
Steele City	MT	Fallon	274.092	274.115	0.023	MT025	Eapa loam, 2 to 8 percent slopes	0.023
Steele City	MT	Fallon	274.187	274.228	0.041	MT025	Eapa loam, 2 to 8 percent slopes	0.041
Steele City	MT	Fallon	274.276	274.342	0.067	MT025	Eapa loam, 2 to 8 percent slopes	0.067
Steele City	MT	Fallon	274.662	274.777	0.115	MT025	Tanna-Ethridge silty clay loams, 2 to 8 percent slopes	0.115
Steele City	MT	Fallon	275.265	275.293	0.029	MT025	Eapa loam, 2 to 8 percent slopes	0.029
Steele City	MT	Fallon	275.396	275.483	0.088	MT025	Carfall-Assinniboine complex, 2 to 8 percent slopes	0.088
Steele City	MT	Fallon	277.605	277.705	0.100	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.100
Steele City	MT	Fallon	281.181	281.236	0.055	MT025	Assinniboine sandy clay loam, 0 to 2 percent slopes	0.055
Steele City	MT	Fallon	281.315	281.424	0.109	MT025	Glendive sandy loam, 0 to 2 percent slopes	0.109
Steele City	MT	Fallon	281.436	281.478	0.042	MT025	Glendive sandy loam, 0 to 2 percent slopes	0.042
Steele City	MT	Fallon	282.465	282.518	0.053	MT025	Twilight-Bonfri complex, 2 to 8 percent slopes	0.053
Steele City	SD	Harding	291.722	291.883	0.161	SD063	Havre loam	0.161
Steele City	SD	Harding	291.883	292.058	0.174	SD063	Glendive fine sandy loam	0.174
Steele City	SD	Harding	292.122	292.438	0.316	SD063	Havre-Harlake complex	0.313
Steele City	SD	Harding	292.438	292.460	0.022	SD063	Glendive fine sandy loam	0.022
Steele City	SD	Harding	313.152	313.314	0.161	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.161
Steele City	SD	Harding	314.912	315.098	0.186	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.186
Steele City	SD	Harding	315.098	315.284	0.186	SD063	Marmarth fine sandy loam, 2 to 6 percent slopes	0.186
Steele City	SD	Harding	315.342	315.462	0.121	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.121
Steele City	SD	Harding	315.579	315.866	0.287	SD063	Assinniboine fine sandy loam, 3 to 6 percent slopes	0.287
Steele City	SD	Harding	321.809	321.875	0.066	SD063	Chinook fine sandy loam, 0 to 3 percent slopes	0.066
Steele City	SD	Harding	321.946	322.051	0.106	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.106
Steele City	SD	Harding	322.051	322.143	0.092	SD063	Chinook fine sandy loam, 0 to 3 percent slopes	0.092
Steele City	SD	Harding	322.143	322.637	0.494	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.494
Steele City	SD	Harding	322.797	323.017	0.219	SD063	Chinook fine sandy loam, 0 to 3 percent slopes	0.219
Steele City	SD	Harding	326.001	326.301	0.300	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.300
Steele City	SD	Harding	326.702	326.875	0.172	SD063	Assinniboine fine sandy loam, 3 to 6 percent slopes	0.172
Steele City	SD	Harding	327.366	327.625	0.259	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.259
Steele City	SD	Harding	327.724	328.152	0.428	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.428
Steele City	SD	Harding	328.514	328.581	0.067	SD063	Korchea loam	0.067
Steele City	SD	Harding	339.440	339.527	0.087	SD063	Assinniboine fine sandy loam, 0 to 3 percent slopes	0.087
Steele City	SD	Harding	339.527	339.630	0.103	SD063	Havre-Harlake complex	0.102
Steele City	SD	Harding	341.727	341.830	0.103	SD063	Assinniboine fine sandy loam, 0 to 3 percent slopes	0.103
Steele City	SD	Harding	345.192	345.338	0.146	SD063	Chinook fine sandy loam, 0 to 3 percent slopes	0.146
Steele City	SD	Perkins	364.060	364.295	0.235	SD105	Lohler-Trembles complex	0.235
Steele City	SD	Perkins	364.295	364.352	0.057	SD105	Trembles fine sandy loam	0.057
Steele City	SD	Perkins	364.484	364.519	0.035	SD105	Trembles fine sandy loam	0.035
Steele City	SD	Perkins	364.519	364.677	0.159	SD105	Lohler-Trembles complex	0.159
Steele City	SD	Perkins	366.072	366.237	0.165	SD105	Shambo loam	0.165
Steele City	SD	Perkins	371.804	372.137	0.333	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	0.333
Steele City	SD	Perkins	372.261	372.572	0.312	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	0.312
Steele City	SD	Perkins	372.572	372.636	0.064	SD105	Marmarth loam, 2 to 6 percent slopes	0.064
Steele City	SD	Perkins	372.636	372.740	0.104	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	0.104
Steele City	SD	Perkins	372.740	372.857	0.117	SD105	Marmarth loam, 2 to 6 percent slopes	0.117
Steele City	SD	Perkins	372.857	372.883	0.026	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	0.026
Steele City	SD	Meade	372.883	372.910	0.028	SD601	Tanna-Savo complex, 2 to 6 percent slopes	0.028
Steele City	SD	Meade	372.910	373.043	0.132	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.132
Steele City	SD	Meade	373.524	373.762	0.238	SD601	Eapa-Delridge loams, 2 to 6 percent slopes	0.238
Steele City	SD	Meade	373.762	373.865	0.103	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.103
Steele City	SD	Meade	373.994	374.293	0.299	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.299
Steele City	SD	Meade	374.347	374.558	0.211	SD601	Eapa-Delridge loams, 2 to 6 percent slopes	0.211
Steele City	SD	Meade	374.765	374.856	0.091	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.091

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	SD	Meade	375.027	375.248	0.221	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.221
Steele City	SD	Meade	382.818	383.023	0.205	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.205
Steele City	SD	Meade	383.848	383.904	0.055	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.055
Steele City	SD	Meade	386.053	386.134	0.081	SD601	Eapa loam, 2 to 6 percent slopes	0.081
Steele City	SD	Meade	386.661	387.211	0.550	SD601	Eapa-Delridge loams, 2 to 6 percent slopes	0.550
Steele City	SD	Meade	387.223	387.398	0.174	SD601	Grail silt loam	0.174
Steele City	SD	Meade	387.476	387.523	0.047	SD601	Grail silt loam	0.047
Steele City	SD	Meade	387.829	388.547	0.718	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.718
Steele City	SD	Meade	388.853	389.599	0.746	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.746
Steele City	SD	Meade	389.599	389.738	0.139	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.139
Steele City	SD	Meade	389.738	389.993	0.255	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.255
Steele City	SD	Meade	390.200	390.366	0.166	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.166
Steele City	SD	Meade	390.400	390.510	0.109	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.109
Steele City	SD	Meade	390.510	390.552	0.042	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.042
Steele City	SD	Meade	390.552	390.588	0.035	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.035
Steele City	SD	Meade	390.588	390.658	0.071	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.071
Steele City	SD	Meade	390.658	390.880	0.221	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.221
Steele City	SD	Meade	390.880	391.240	0.360	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.360
Steele City	SD	Meade	391.240	391.752	0.512	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.512
Steele City	SD	Meade	391.752	391.758	0.006	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.006
Steele City	SD	Meade	391.758	391.821	0.062	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.062
Steele City	SD	Meade	391.821	391.970	0.149	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.149
Steele City	SD	Meade	392.168	392.441	0.272	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.272
Steele City	SD	Meade	392.664	392.784	0.120	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.120
Steele City	SD	Meade	392.915	393.075	0.160	SD601	Assinniboine fine sandy loam, 6 to 9 percent slopes	0.160
Steele City	SD	Meade	393.268	393.556	0.287	SD601	Assinniboine fine sandy loam, 6 to 9 percent slopes	0.287
Steele City	SD	Meade	393.785	393.904	0.119	SD601	Assinniboine fine sandy loam, 6 to 9 percent slopes	0.119
Steele City	SD	Meade	394.064	394.201	0.137	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.137
Steele City	SD	Meade	394.680	394.818	0.138	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.138
Steele City	SD	Meade	394.879	395.003	0.124	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.124
Steele City	SD	Meade	396.090	396.244	0.154	SD601	Eapa loam, 6 to 9 percent slopes	0.154
Steele City	SD	Meade	398.233	398.258	0.025	SD601	Lohmiller silty clay loam	0.025
Steele City	SD	Meade	398.287	398.533	0.246	SD601	Lohmiller silty clay loam	0.246
Steele City	SD	Meade	398.533	398.913	0.380	SD601	Abor silty clay, 2 to 6 percent slopes	0.380
Steele City	SD	Meade	398.913	399.072	0.159	SD601	Lohmiller silty clay loam	0.159
Steele City	SD	Meade	399.072	399.429	0.357	SD601	Havre loam	0.357
Steele City	SD	Meade	399.586	400.054	0.468	SD601	Lawther silty clay, 2 to 6 percent slopes	0.468
Steele City	SD	Meade	401.887	401.895	0.008	SD601	Eapa loam, 2 to 6 percent slopes	0.008
Steele City	SD	Meade	403.352	403.611	0.259	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.259
Steele City	SD	Meade	403.611	403.639	0.028	SD601	Eapa-Grail complex, 6 to 9 percent slopes	0.028
Steele City	SD	Meade	403.702	403.993	0.291	SD601	Eapa-Grail complex, 6 to 9 percent slopes	0.291
Steele City	SD	Meade	403.993	404.732	0.739	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.739
Steele City	SD	Meade	404.732	404.846	0.114	SD601	Eapa-Grail complex, 6 to 9 percent slopes	0.114
Steele City	SD	Meade	404.846	404.882	0.036	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.036
Steele City	SD	Meade	404.882	404.982	0.100	SD601	Eapa-Grail complex, 6 to 9 percent slopes	0.100
Steele City	SD	Meade	404.982	405.046	0.064	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.064
Steele City	SD	Meade	405.046	405.264	0.218	SD601	Eapa-Grail complex, 6 to 9 percent slopes	0.218
Steele City	SD	Meade	406.135	406.336	0.202	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.202
Steele City	SD	Meade	406.650	406.840	0.190	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.190
Steele City	SD	Meade	407.032	407.055	0.024	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.024
Steele City	SD	Meade	407.055	407.143	0.087	SD601	Eapa loam, 2 to 6 percent slopes	0.087
Steele City	SD	Meade	407.143	407.840	0.697	SD601	Eapa loam, 0 to 2 percent slopes	0.697
Steele City	SD	Meade	408.006	408.313	0.307	SD601	Havre loam	0.307
Steele City	SD	Meade	408.313	408.510	0.197	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.197
Steele City	SD	Meade	408.612	408.799	0.187	SD601	Tanna-Savo complex, 2 to 6 percent slopes	0.187
Steele City	SD	Meade	408.799	409.090	0.291	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.291
Steele City	SD	Meade	409.189	409.537	0.348	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.348
Steele City	SD	Meade	410.267	410.472	0.205	SD601	Tanna-Savo complex, 2 to 6 percent slopes	0.205
Steele City	SD	Meade	410.472	410.685	0.213	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.213
Steele City	SD	Meade	410.732	410.908	0.176	SD601	Tanna-Savo complex, 2 to 6 percent slopes	0.176
Steele City	SD	Meade	411.160	411.273	0.113	SD601	Abor silty clay, 6 to 9 percent slopes	0.113
Steele City	SD	Meade	411.273	411.365	0.092	SD601	Lawther silty clay, 2 to 6 percent slopes	0.092

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	SD	Meade	411.568	411.626	0.058	SD601	Abor silty clay, 2 to 6 percent slopes	0.058
Steele City	SD	Meade	411.626	411.744	0.118	SD601	Lawther silty clay, 2 to 6 percent slopes	0.118
Steele City	SD	Meade	411.744	411.750	0.006	SD601	Abor silty clay, 2 to 6 percent slopes	0.006
Steele City	SD	Meade	411.750	411.816	0.066	SD601	Lawther silty clay, 2 to 6 percent slopes	0.066
Steele City	SD	Meade	411.816	411.894	0.078	SD601	Abor silty clay, 2 to 6 percent slopes	0.078
Steele City	SD	Meade	411.894	411.922	0.028	SD601	Lawther silty clay, 2 to 6 percent slopes	0.028
Steele City	SD	Meade	411.922	412.136	0.214	SD601	Abor silty clay, 2 to 6 percent slopes	0.214
Steele City	SD	Meade	412.136	412.178	0.042	SD601	Lawther silty clay, 2 to 6 percent slopes	0.042
Steele City	SD	Meade	412.178	412.220	0.042	SD601	Abor silty clay, 2 to 6 percent slopes	0.042
Steele City	SD	Meade	412.220	412.346	0.126	SD601	Lawther silty clay, 2 to 6 percent slopes	0.126
Steele City	SD	Meade	412.346	412.379	0.033	SD601	Abor silty clay, 2 to 6 percent slopes	0.033
Steele City	SD	Meade	412.379	413.151	0.771	SD601	Abor silty clay, 6 to 9 percent slopes	0.771
Steele City	SD	Meade	413.263	413.461	0.198	SD601	Abor silty clay, 6 to 9 percent slopes	0.198
Steele City	SD	Meade	413.495	413.736	0.241	SD601	Abor silty clay, 6 to 9 percent slopes	0.241
Steele City	SD	Meade	413.736	413.839	0.103	SD601	Abor silty clay, 2 to 6 percent slopes	0.103
Steele City	SD	Meade	413.839	414.759	0.919	SD601	Abor silty clay, 6 to 9 percent slopes	0.919
Steele City	SD	Meade	414.887	415.020	0.133	SD601	Lawther silty clay, 2 to 6 percent slopes	0.133
Steele City	SD	Meade	415.177	415.210	0.033	SD601	Abor silty clay, 6 to 9 percent slopes	0.033
Steele City	SD	Meade	415.392	415.477	0.085	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.085
Steele City	SD	Meade	415.897	416.086	0.188	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.188
Steele City	SD	Meade	416.154	416.189	0.035	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.035
Steele City	SD	Meade	416.189	416.478	0.289	SD601	Abor silty clay, 2 to 6 percent slopes	0.289
Steele City	SD	Meade	416.487	416.828	0.341	SD601	Abor silty clay, 2 to 6 percent slopes	0.341
Steele City	SD	Meade	416.828	416.975	0.147	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.147
Steele City	SD	Meade	416.975	417.147	0.172	SD601	Nunn clay loam, 2 to 6 percent slopes	0.172
Steele City	SD	Meade	417.386	417.467	0.081	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.081
Steele City	SD	Meade	417.467	417.650	0.182	SD601	Nunn clay loam, 2 to 6 percent slopes	0.182
Steele City	SD	Meade	418.021	418.123	0.102	SD601	Nunn clay loam, 2 to 6 percent slopes	0.102
Steele City	SD	Meade	418.123	418.324	0.201	SD601	Tanna-Savo complex, 2 to 6 percent slopes	0.201
Steele City	SD	Meade	419.074	419.117	0.043	SD601	Stetter clay	0.043
Steele City	SD	Meade	419.573	419.904	0.331	SD601	Stetter clay	0.331
Steele City	SD	Meade	420.223	420.314	0.091	SD601	Stetter clay	0.091
Steele City	SD	Meade	422.104	422.267	0.163	SD601	Lohmiller silty clay loam	0.163
Steele City	SD	Meade	422.750	422.952	0.202	SD601	Lohmiller silty clay loam	0.202
Steele City	SD	Meade	424.655	424.670	0.015	SD601	Lohmiller silty clay loam	0.015
Steele City	SD	Meade	424.695	424.769	0.074	SD601	Lohmiller silty clay loam	0.074
Steele City	SD	Meade	424.852	424.912	0.060	SD601	Lohmiller silty clay loam	0.060
Steele City	SD	Meade	425.058	425.177	0.119	SD601	Lohmiller silty clay loam	0.119
Steele City	SD	Meade	425.177	425.422	0.244	SD601	Glenberg fine sandy loam	0.244
Steele City	SD	Pennington	425.927	425.987	0.059	SD605	Lohmiller silty clay	0.059
Steele City	SD	Haakon	426.819	427.701	0.882	SD055	Kirley clay loam, 0 to 2 percent slopes	0.882
Steele City	SD	Haakon	428.047	428.092	0.045	SD055	Ree loam, 0 to 2 percent slopes	0.045
Steele City	SD	Haakon	428.684	428.730	0.046	SD055	Kyle clay, 3 to 6 percent slopes	0.046
Steele City	SD	Haakon	428.735	428.864	0.129	SD055	Kyle clay, 3 to 6 percent slopes	0.129
Steele City	SD	Haakon	428.949	429.076	0.127	SD055	Kyle clay, 3 to 6 percent slopes	0.127
Steele City	SD	Haakon	429.101	429.141	0.040	SD055	Kyle clay, 3 to 6 percent slopes	0.040
Steele City	SD	Haakon	429.863	430.008	0.145	SD055	Ree-Hoven complex	0.145
Steele City	SD	Haakon	430.008	431.762	1.754	SD055	Ree loam, 0 to 2 percent slopes	1.754
Steele City	SD	Haakon	431.762	431.951	0.189	SD055	Ree-Canning loams, 6 to 9 percent slopes	0.189
Steele City	SD	Haakon	431.951	432.158	0.207	SD055	Ree loam, 2 to 6 percent slopes	0.207
Steele City	SD	Haakon	432.158	432.975	0.817	SD055	Ree loam, 0 to 2 percent slopes	0.817
Steele City	SD	Haakon	432.975	435.130	2.155	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	2.155
Steele City	SD	Haakon	435.164	435.574	0.411	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.411
Steele City	SD	Haakon	435.574	435.696	0.122	SD055	Kirley clay loam, 2 to 6 percent slopes	0.122
Steele City	SD	Haakon	435.815	436.760	0.945	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.945
Steele City	SD	Haakon	436.934	437.152	0.218	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.218
Steele City	SD	Haakon	437.237	437.329	0.092	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.092
Steele City	SD	Haakon	437.595	437.821	0.227	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.227
Steele City	SD	Haakon	438.008	438.368	0.360	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.360
Steele City	SD	Haakon	438.583	438.952	0.369	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.369
Steele City	SD	Haakon	439.293	440.256	0.963	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.963
Steele City	SD	Haakon	440.611	440.876	0.266	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.266
Steele City	SD	Haakon	440.876	440.906	0.030	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.030
Steele City	SD	Haakon	440.906	441.016	0.110	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.110
Steele City	SD	Haakon	441.181	441.230	0.049	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.049
Steele City	SD	Haakon	441.230	442.739	1.510	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	1.510
Steele City	SD	Haakon	442.800	443.255	0.455	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.455
Steele City	SD	Haakon	443.999	444.019	0.020	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.020
Steele City	SD	Haakon	444.039	444.353	0.314	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.314
Steele City	SD	Haakon	444.781	444.993	0.212	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.212
Steele City	SD	Haakon	445.091	446.243	1.152	SD055	Ottumwa silty clay, 3 to 6 percent slopes	1.152

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	SD	Haakon	446.243	446.282	0.040	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.040
Steele City	SD	Haakon	446.282	446.773	0.491	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.491
Steele City	SD	Haakon	447.229	447.348	0.119	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.119
Steele City	SD	Haakon	447.417	447.628	0.211	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.211
Steele City	SD	Haakon	448.344	448.622	0.278	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.278
Steele City	SD	Haakon	448.642	448.783	0.141	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.141
Steele City	SD	Haakon	448.861	449.136	0.275	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.275
Steele City	SD	Haakon	449.247	449.425	0.179	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.179
Steele City	SD	Haakon	449.529	449.701	0.172	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.172
Steele City	SD	Haakon	449.963	450.451	0.487	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.487
Steele City	SD	Haakon	450.451	450.692	0.242	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.242
Steele City	SD	Haakon	450.752	451.187	0.434	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.434
Steele City	SD	Haakon	451.187	451.565	0.379	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.379
Steele City	SD	Haakon	451.565	451.619	0.053	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.053
Steele City	SD	Haakon	451.760	452.046	0.286	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.286
Steele City	SD	Haakon	452.046	452.499	0.453	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.453
Steele City	SD	Haakon	452.591	453.578	0.987	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.987
Steele City	SD	Haakon	453.578	453.754	0.175	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.175
Steele City	SD	Haakon	453.754	453.857	0.103	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.103
Steele City	SD	Haakon	453.857	454.055	0.198	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.198
Steele City	SD	Haakon	455.700	455.803	0.103	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.103
Steele City	SD	Haakon	456.026	456.148	0.122	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.122
Steele City	SD	Haakon	456.148	456.248	0.100	SD055	Opal-Promise clays, 3 to 6 percent slopes	0.100
Steele City	SD	Haakon	456.248	456.329	0.082	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.082
Steele City	SD	Haakon	457.536	457.663	0.126	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.126
Steele City	SD	Haakon	457.718	457.946	0.228	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.228
Steele City	SD	Haakon	457.989	458.237	0.248	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.248
Steele City	SD	Haakon	458.380	458.462	0.082	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.082
Steele City	SD	Haakon	458.485	458.527	0.043	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.043
Steele City	SD	Haakon	459.321	459.425	0.104	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.104
Steele City	SD	Haakon	459.789	460.285	0.496	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.496
Steele City	SD	Haakon	460.285	460.660	0.374	SD055	Kirley clay loam, 0 to 2 percent slopes	0.374
Steele City	SD	Haakon	461.005	461.034	0.029	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.029
Steele City	SD	Haakon	461.101	461.208	0.107	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.107
Steele City	SD	Haakon	461.208	461.259	0.051	SD055	Kirley clay loam, 0 to 2 percent slopes	0.051
Steele City	SD	Haakon	461.259	461.375	0.116	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.116
Steele City	SD	Haakon	461.958	462.120	0.162	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.162
Steele City	SD	Haakon	462.120	462.149	0.029	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.029
Steele City	SD	Haakon	462.149	462.199	0.050	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.050
Steele City	SD	Haakon	462.199	462.432	0.233	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.233
Steele City	SD	Haakon	462.655	462.694	0.038	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.038
Steele City	SD	Haakon	463.485	463.747	0.261	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.261
Steele City	SD	Haakon	463.997	464.418	0.421	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.421
Steele City	SD	Haakon	464.617	464.779	0.163	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.163
Steele City	SD	Haakon	465.211	465.372	0.160	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.160
Steele City	SD	Haakon	465.501	465.564	0.063	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.063
Steele City	SD	Haakon	466.567	466.644	0.077	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.077
Steele City	SD	Haakon	466.992	468.096	1.104	SD055	Ottumwa silty clay, 3 to 6 percent slopes	1.104
Steele City	SD	Haakon	468.705	468.959	0.254	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.254
Steele City	SD	Haakon	469.915	469.976	0.061	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.061
Steele City	SD	Haakon	469.976	470.216	0.240	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.240
Steele City	SD	Haakon	470.613	470.710	0.097	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.097
Steele City	SD	Haakon	471.050	471.325	0.275	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.275
Steele City	SD	Haakon	471.401	471.673	0.272	SD055	Kirley clay loam, 2 to 6 percent slopes	0.272
Steele City	SD	Haakon	471.874	472.128	0.254	SD055	Kirley clay loam, 2 to 6 percent slopes	0.254
Steele City	SD	Haakon	472.128	472.257	0.129	SD055	Kirley clay loam, 0 to 2 percent slopes	0.129
Steele City	SD	Haakon	473.050	473.137	0.087	SD055	Kirley clay loam, 2 to 6 percent slopes	0.087
Steele City	SD	Haakon	473.137	473.550	0.413	SD055	Kirley clay loam, 0 to 2 percent slopes	0.413
Steele City	SD	Haakon	474.207	474.414	0.207	SD055	Kirley clay loam, 2 to 6 percent slopes	0.207
Steele City	SD	Haakon	474.677	474.889	0.212	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.212
Steele City	SD	Haakon	474.922	475.420	0.497	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.497
Steele City	SD	Haakon	475.420	476.205	0.785	SD055	Kirley clay loam, 0 to 2 percent slopes	0.785
Steele City	SD	Haakon	476.205	476.279	0.074	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.074
Steele City	SD	Haakon	476.279	476.421	0.143	SD055	Kirley clay loam, 0 to 2 percent slopes	0.143
Steele City	SD	Haakon	476.421	476.515	0.094	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.094
Steele City	SD	Haakon	476.515	476.606	0.090	SD055	Kirley clay loam, 0 to 2 percent slopes	0.090
Steele City	SD	Haakon	476.885	477.028	0.142	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.142
Steele City	SD	Haakon	477.028	477.169	0.142	SD055	Kirley clay loam, 0 to 2 percent slopes	0.142
Steele City	SD	Haakon	477.347	477.478	0.131	SD055	Kirley clay loam, 0 to 2 percent slopes	0.131
Steele City	SD	Haakon	477.613	478.012	0.400	SD055	Kirley clay loam, 0 to 2 percent slopes	0.400
Steele City	SD	Haakon	479.091	479.126	0.036	SD055	Nimbro silty clay loam	0.036

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	SD	Haakon	479.126	479.260	0.133	SD055	Promise clay, 3 to 6 percent slopes	0.133
Steele City	SD	Haakon	480.858	481.289	0.430	SD055	Nimbro silty clay loam	0.430
Steele City	SD	Haakon	482.386	482.486	0.100	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.100
Steele City	SD	Haakon	484.245	484.300	0.055	SD055	Kirley clay loam, 2 to 6 percent slopes	0.055
Steele City	SD	Haakon	484.484	484.797	0.313	SD055	Kirley clay loam, 2 to 6 percent slopes	0.313
Steele City	SD	Jones	486.830	486.944	0.114	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.114
Steele City	SD	Jones	486.944	487.234	0.291	SD075	Kirley clay loam, 2 to 6 percent slopes	0.291
Steele City	SD	Jones	487.234	487.261	0.027	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.027
Steele City	SD	Jones	489.463	489.720	0.257	SD075	Kirley clay loam, 2 to 6 percent slopes	0.257
Steele City	SD	Jones	490.543	490.788	0.245	SD075	Kirley clay loam, 2 to 6 percent slopes	0.245
Steele City	SD	Jones	490.788	490.866	0.078	SD075	Ree loam, 2 to 6 percent slopes	0.078
Steele City	SD	Jones	490.866	491.004	0.138	SD075	Ree loam, 0 to 2 percent slopes	0.138
Steele City	SD	Jones	491.004	491.210	0.206	SD075	Ree loam, 2 to 6 percent slopes	0.206
Steele City	SD	Jones	491.220	491.263	0.043	SD075	Ree loam, 2 to 6 percent slopes	0.043
Steele City	SD	Jones	492.153	492.271	0.119	SD075	Opal clay loam, 6 to 9 percent slopes	0.119
Steele City	SD	Jones	492.454	492.480	0.026	SD075	Opal clay loam, 6 to 9 percent slopes	0.026
Steele City	SD	Jones	493.177	493.468	0.291	SD075	Kirley clay loam, 0 to 2 percent slopes	0.291
Steele City	SD	Jones	494.156	494.262	0.106	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.106
Steele City	SD	Jones	494.347	494.420	0.073	SD075	Kirley clay loam, 0 to 2 percent slopes	0.073
Steele City	SD	Jones	494.555	494.935	0.380	SD075	Kirley clay loam, 2 to 6 percent slopes	0.380
Steele City	SD	Jones	495.225	495.355	0.129	SD075	Promise clay, 0 to 3 percent slopes	0.129
Steele City	SD	Jones	495.373	495.556	0.183	SD075	Promise clay, 0 to 3 percent slopes	0.183
Steele City	SD	Jones	496.312	496.341	0.029	SD075	Promise clay, 3 to 6 percent slopes	0.029
Steele City	SD	Jones	496.668	496.782	0.114	SD075	Kirley clay loam, 2 to 6 percent slopes	0.114
Steele City	SD	Jones	497.746	497.754	0.008	SD075	Kirley clay loam, 2 to 6 percent slopes	0.008
Steele City	SD	Jones	497.754	498.290	0.535	SD075	Promise clay, 3 to 6 percent slopes	0.535
Steele City	SD	Jones	498.454	498.595	0.140	SD075	Kirley clay loam, 2 to 6 percent slopes	0.140
Steele City	SD	Jones	498.771	498.811	0.040	SD075	Ree loam, 2 to 6 percent slopes	0.040
Steele City	SD	Jones	499.044	499.132	0.088	SD075	Promise clay, 3 to 6 percent slopes	0.088
Steele City	SD	Jones	499.132	499.414	0.282	SD075	Opal clay, 3 to 6 percent slopes	0.282
Steele City	SD	Jones	499.414	499.741	0.327	SD075	Kirley clay loam, 2 to 6 percent slopes	0.327
Steele City	SD	Jones	499.741	499.838	0.097	SD075	Witten silty clay	0.097
Steele City	SD	Jones	499.838	500.242	0.405	SD075	Promise clay, 3 to 6 percent slopes	0.405
Steele City	SD	Jones	500.348	500.499	0.151	SD075	Promise clay, 3 to 6 percent slopes	0.151
Steele City	SD	Jones	500.939	501.052	0.113	SD075	Promise clay, 3 to 6 percent slopes	0.113
Steele City	SD	Jones	501.052	501.238	0.186	SD075	Promise clay, 0 to 3 percent slopes	0.186
Steele City	SD	Jones	501.386	501.484	0.098	SD075	Promise clay, 3 to 6 percent slopes	0.098
Steele City	SD	Jones	501.978	502.067	0.089	SD075	Promise clay, 3 to 6 percent slopes	0.089
Steele City	SD	Jones	502.241	502.306	0.065	SD075	Promise clay, 0 to 3 percent slopes	0.065
Steele City	SD	Jones	502.306	502.725	0.419	SD075	Promise clay, 3 to 6 percent slopes	0.419
Steele City	SD	Jones	506.409	506.574	0.165	SD075	Promise clay, 3 to 6 percent slopes	0.165
Steele City	SD	Jones	506.882	507.177	0.296	SD075	Promise clay, 3 to 6 percent slopes	0.296
Steele City	SD	Jones	507.177	507.274	0.097	SD075	Opal clay, 3 to 6 percent slopes	0.097
Steele City	SD	Jones	507.504	507.606	0.102	SD075	Opal clay, 3 to 6 percent slopes	0.102
Steele City	SD	Jones	507.752	507.822	0.070	SD075	Opal clay, 3 to 6 percent slopes	0.070
Steele City	SD	Jones	508.276	508.452	0.176	SD075	Opal clay, 3 to 6 percent slopes	0.176
Steele City	SD	Jones	509.331	509.613	0.282	SD075	Opal clay, 3 to 6 percent slopes	0.282
Steele City	SD	Jones	509.865	509.925	0.060	SD075	Opal clay, 3 to 6 percent slopes	0.060
Steele City	SD	Jones	511.965	512.007	0.042	SD075	Promise clay, 3 to 6 percent slopes	0.042
Steele City	SD	Jones	512.093	512.283	0.190	SD075	Promise clay, 3 to 6 percent slopes	0.190
Steele City	SD	Jones	512.283	512.362	0.079	SD075	Opal clay, 3 to 6 percent slopes	0.079
Steele City	SD	Jones	512.362	512.501	0.139	SD075	Promise clay, 3 to 6 percent slopes	0.139
Steele City	SD	Jones	512.501	512.641	0.140	SD075	Opal clay, 3 to 6 percent slopes	0.140
Steele City	SD	Jones	512.641	512.854	0.213	SD075	Promise clay, 3 to 6 percent slopes	0.213
Steele City	SD	Jones	513.671	513.769	0.098	SD075	Promise clay, 3 to 6 percent slopes	0.098
Steele City	SD	Jones	515.328	515.677	0.349	SD075	Opal clay, 3 to 6 percent slopes	0.349
Steele City	SD	Jones	515.789	516.066	0.277	SD075	Opal clay, 3 to 6 percent slopes	0.277
Steele City	SD	Jones	516.066	516.122	0.055	SD075	Promise clay, 0 to 3 percent slopes	0.055
Steele City	SD	Jones	516.176	516.323	0.147	SD075	Opal clay, 3 to 6 percent slopes	0.147
Steele City	SD	Jones	516.323	516.402	0.079	SD075	Promise clay, 0 to 3 percent slopes	0.079
Steele City	SD	Jones	516.402	516.523	0.120	SD075	Opal clay, 3 to 6 percent slopes	0.120
Steele City	SD	Jones	516.523	516.726	0.203	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.203
Steele City	SD	Jones	516.983	517.233	0.250	SD075	Opal clay, 3 to 6 percent slopes	0.250
Steele City	SD	Jones	517.513	517.984	0.470	SD075	Opal clay, 3 to 6 percent slopes	0.470
Steele City	SD	Jones	517.984	518.088	0.104	SD075	Promise clay, 3 to 6 percent slopes	0.104
Steele City	SD	Jones	518.088	518.181	0.094	SD075	Opal clay, 3 to 6 percent slopes	0.094
Steele City	SD	Jones	518.874	518.898	0.024	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.024
Steele City	SD	Jones	519.604	519.944	0.340	SD075	Opal clay loam, 6 to 9 percent slopes	0.340
Steele City	SD	Jones	520.041	520.135	0.093	SD075	Promise clay, 0 to 3 percent slopes	0.093
Steele City	SD	Jones	520.135	520.307	0.173	SD075	Opal clay loam, 6 to 9 percent slopes	0.173
Steele City	SD	Jones	520.307	520.325	0.018	SD075	Promise clay, 0 to 3 percent slopes	0.018

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	SD	Jones	520.422	520.706	0.284	SD075	Promise clay, 0 to 3 percent slopes	0.284
Steele City	SD	Jones	520.807	521.198	0.391	SD075	Promise clay, 0 to 3 percent slopes	0.391
Steele City	SD	Jones	521.198	521.429	0.231	SD075	Millboro silty clay loam, 3 to 6 percent slopes	0.231
Steele City	SD	Jones	521.429	521.793	0.364	SD075	Millboro silty clay loam, 0 to 3 percent slopes	0.364
Steele City	SD	Jones	522.003	522.085	0.083	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.083
Steele City	SD	Jones	522.305	522.539	0.235	SD075	Promise clay, 0 to 3 percent slopes	0.235
Steele City	SD	Jones	522.593	522.868	0.275	SD075	Millboro silty clay loam, 0 to 3 percent slopes	0.275
Steele City	SD	Jones	523.008	523.089	0.082	SD075	Millboro silty clay loam, 0 to 3 percent slopes	0.082
Steele City	SD	Jones	523.089	523.203	0.114	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.114
Steele City	SD	Jones	523.203	523.371	0.168	SD075	Millboro silty clay loam, 3 to 6 percent slopes	0.168
Steele City	SD	Jones	523.371	523.392	0.021	SD075	Millboro silty clay loam, 0 to 3 percent slopes	0.021
Steele City	SD	Jones	523.392	523.769	0.378	SD075	Witten silty clay	0.378
Steele City	SD	Jones	523.769	523.887	0.118	SD075	Millboro silty clay loam, 3 to 6 percent slopes	0.118
Steele City	SD	Jones	524.126	524.605	0.480	SD075	Millboro silty clay loam, 3 to 6 percent slopes	0.480
Steele City	SD	Jones	524.605	525.017	0.412	SD075	Promise clay, 0 to 3 percent slopes	0.412
Steele City	SD	Lyman	525.017	525.662	0.645	SD085	Promise clay, 0 to 3 percent slopes	0.645
Steele City	SD	Lyman	525.662	525.718	0.056	SD085	Millboro silty clay, 3 to 6 percent slopes	0.056
Steele City	SD	Lyman	525.718	526.245	0.527	SD085	Millboro silty clay, 0 to 3 percent slopes	0.527
Steele City	SD	Lyman	526.245	526.300	0.054	SD085	Millboro silty clay, 3 to 6 percent slopes	0.054
Steele City	SD	Lyman	526.300	526.380	0.080	SD085	Millboro silty clay, 0 to 3 percent slopes	0.080
Steele City	SD	Lyman	526.380	526.487	0.108	SD085	Millboro silty clay, 3 to 6 percent slopes	0.108
Steele City	SD	Lyman	526.487	526.488	0.000	SD085	Witten silty clay	0.000
Steele City	SD	Lyman	526.600	526.714	0.114	SD085	Millboro silty clay, 3 to 6 percent slopes	0.114
Steele City	SD	Lyman	526.714	527.008	0.294	SD085	Witten silty clay	0.294
Steele City	SD	Lyman	527.008	527.250	0.242	SD085	Millboro silty clay, 3 to 6 percent slopes	0.242
Steele City	SD	Lyman	527.250	527.525	0.274	SD085	Witten silty clay	0.274
Steele City	SD	Lyman	527.525	528.156	0.631	SD085	Millboro silty clay, 3 to 6 percent slopes	0.631
Steele City	SD	Lyman	528.156	528.234	0.079	SD085	Promise clay, 0 to 3 percent slopes	0.079
Steele City	SD	Lyman	528.234	528.245	0.011	SD085	Witten silty clay	0.011
Steele City	SD	Lyman	528.245	528.644	0.399	SD085	Millboro silty clay, 3 to 6 percent slopes	0.399
Steele City	SD	Lyman	528.796	529.697	0.901	SD085	Millboro silty clay, 3 to 6 percent slopes	0.901
Steele City	SD	Lyman	529.948	530.611	0.662	SD085	Millboro silty clay, 3 to 6 percent slopes	0.662
Steele City	SD	Lyman	530.752	531.321	0.569	SD085	Millboro silty clay, 3 to 6 percent slopes	0.569
Steele City	SD	Lyman	531.321	531.536	0.215	SD085	Millboro silty clay, 0 to 3 percent slopes	0.215
Steele City	SD	Lyman	531.536	532.026	0.490	SD085	Millboro silty clay, 3 to 6 percent slopes	0.490
Steele City	SD	Lyman	532.026	532.419	0.393	SD085	Millboro silty clay, 0 to 3 percent slopes	0.393
Steele City	SD	Lyman	532.419	532.556	0.137	SD085	Millboro silty clay, 3 to 6 percent slopes	0.137
Steele City	SD	Lyman	533.681	533.738	0.057	SD085	Millboro silty clay, 3 to 6 percent slopes	0.057
Steele City	SD	Lyman	534.651	535.246	0.595	SD085	Millboro silty clay, 3 to 6 percent slopes	0.595
Steele City	SD	Lyman	535.500	535.586	0.086	SD085	Millboro silty clay, 3 to 6 percent slopes	0.086
Steele City	SD	Lyman	536.668	536.749	0.081	SD085	Promise clay, 0 to 3 percent slopes	0.081
Steele City	SD	Lyman	536.749	536.814	0.065	SD085	Hilmoe silty clay	0.065
Steele City	SD	Lyman	536.814	536.845	0.031	SD085	Bigbend silt loam	0.031
Steele City	SD	Lyman	536.845	536.875	0.030	SD085	Munjor fine sandy loam	0.030
Steele City	SD	Tripp	536.971	537.160	0.188	SD123	Munjor fine sandy loam	0.188
Steele City	SD	Tripp	537.160	537.326	0.167	SD123	Bigbend soils	0.167
Steele City	SD	Tripp	537.326	537.349	0.022	SD123	Hilmoe clay, 0 to 2 percent slopes	0.022
Steele City	SD	Tripp	537.784	537.925	0.141	SD123	Lowry silt loam, 0 to 4 percent slopes	0.141
Steele City	SD	Tripp	538.019	538.176	0.157	SD123	Ree loam, 3 to 6 percent slopes	0.157
Steele City	SD	Tripp	538.211	538.253	0.042	SD123	Ree loam, 3 to 6 percent slopes	0.042
Steele City	SD	Tripp	538.253	538.429	0.176	SD123	Lowry silt loam, 0 to 4 percent slopes	0.176
Steele City	SD	Tripp	538.429	538.767	0.339	SD123	Ree loam, 3 to 6 percent slopes	0.339
Steele City	SD	Tripp	540.345	541.045	0.700	SD123	Ree loam, 0 to 3 percent slopes	0.700
Steele City	SD	Tripp	543.916	544.067	0.151	SD123	Ree loam, 6 to 9 percent slopes	0.151
Steele City	SD	Tripp	544.758	544.863	0.105	SD123	Ree loam, 6 to 9 percent slopes	0.105
Steele City	SD	Tripp	546.619	546.811	0.191	SD123	Millboro silty clay, 3 to 6 percent slopes	0.191
Steele City	SD	Tripp	546.961	547.088	0.127	SD123	Millboro silty clay, 0 to 3 percent slopes	0.127
Steele City	SD	Tripp	547.204	547.442	0.239	SD123	Millboro silty clay, 0 to 3 percent slopes	0.239
Steele City	SD	Tripp	547.442	547.540	0.098	SD123	Millboro silty clay, 3 to 6 percent slopes	0.098
Steele City	SD	Tripp	547.540	547.646	0.106	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.106
Steele City	SD	Tripp	547.646	548.179	0.533	SD123	Millboro silty clay, 3 to 6 percent slopes	0.533
Steele City	SD	Tripp	548.179	548.271	0.092	SD123	Witten silty clay	0.092
Steele City	SD	Tripp	548.271	548.400	0.129	SD123	Millboro silty clay, 3 to 6 percent slopes	0.129
Steele City	SD	Tripp	548.400	548.417	0.017	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.017
Steele City	SD	Tripp	548.417	548.420	0.003	SD123	Ree loam, 3 to 6 percent slopes	0.003
Steele City	SD	Tripp	548.420	548.598	0.177	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.177
Steele City	SD	Tripp	548.598	548.634	0.036	SD123	Ree loam, 3 to 6 percent slopes	0.036
Steele City	SD	Tripp	548.634	548.816	0.182	SD123	Reliance silty clay loam, 3 to 6 percent slopes	0.182
Steele City	SD	Tripp	548.816	549.399	0.583	SD123	Reliance silty clay loam, 6 to 9 percent slopes	0.583
Steele City	SD	Tripp	549.399	549.660	0.260	SD123	Reliance silty clay loam, 3 to 6 percent slopes	0.260
Steele City	SD	Tripp	549.660	549.807	0.148	SD123	Onita silt loam	0.148

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	SD	Tripp	549.807	550.186	0.379	SD123	Reliance silty clay loam, 3 to 6 percent slopes	0.379
Steele City	SD	Tripp	550.288	550.852	0.563	SD123	Reliance silty clay loam, 3 to 6 percent slopes	0.563
Steele City	SD	Tripp	550.852	551.015	0.163	SD123	Millboro silty clay, 6 to 9 percent slopes	0.163
Steele City	SD	Tripp	551.015	551.076	0.062	SD123	Millboro silty clay, 3 to 6 percent slopes	0.062
Steele City	SD	Tripp	551.296	551.355	0.058	SD123	Millboro silty clay, 0 to 3 percent slopes	0.058
Steele City	SD	Tripp	551.512	551.602	0.090	SD123	Millboro silty clay, 3 to 6 percent slopes	0.090
Steele City	SD	Tripp	551.602	551.783	0.181	SD123	Millboro silty clay, 0 to 3 percent slopes	0.181
Steele City	SD	Tripp	551.783	551.962	0.180	SD123	Millboro silty clay, 3 to 6 percent slopes	0.180
Steele City	SD	Tripp	551.962	552.160	0.198	SD123	Millboro silty clay, 0 to 3 percent slopes	0.198
Steele City	SD	Tripp	552.160	552.404	0.245	SD123	Millboro silty clay, 3 to 6 percent slopes	0.245
Steele City	SD	Tripp	552.404	552.442	0.038	SD123	Witten silty clay	0.038
Steele City	SD	Tripp	552.442	552.573	0.131	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.131
Steele City	SD	Tripp	552.573	552.629	0.056	SD123	Millboro silty clay, 3 to 6 percent slopes	0.056
Steele City	SD	Tripp	552.629	553.029	0.399	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.399
Steele City	SD	Tripp	553.107	554.369	1.262	SD123	Millboro silty clay, 3 to 6 percent slopes	1.262
Steele City	SD	Tripp	554.588	554.649	0.061	SD123	Millboro silty clay, 3 to 6 percent slopes	0.061
Steele City	SD	Tripp	555.191	555.320	0.130	SD123	Millboro silty clay, 3 to 6 percent slopes	0.130
Steele City	SD	Tripp	555.320	555.487	0.166	SD123	Witten silty clay	0.166
Steele City	SD	Tripp	555.487	556.311	0.825	SD123	Millboro silty clay, 3 to 6 percent slopes	0.825
Steele City	SD	Tripp	556.311	556.659	0.348	SD123	Witten silty clay	0.348
Steele City	SD	Tripp	556.659	556.985	0.326	SD123	Millboro silty clay, 0 to 3 percent slopes	0.326
Steele City	SD	Tripp	556.985	557.033	0.048	SD123	Witten silty clay	0.048
Steele City	SD	Tripp	557.348	557.662	0.314	SD123	Millboro silty clay, 3 to 6 percent slopes	0.314
Steele City	SD	Tripp	557.721	557.875	0.154	SD123	Millboro silty clay, 3 to 6 percent slopes	0.154
Steele City	SD	Tripp	558.003	558.300	0.297	SD123	Millboro silty clay, 0 to 3 percent slopes	0.297
Steele City	SD	Tripp	558.300	558.367	0.066	SD123	Millboro silty clay, 3 to 6 percent slopes	0.066
Steele City	SD	Tripp	558.367	558.460	0.093	SD123	Witten silty clay	0.093
Steele City	SD	Tripp	558.460	558.649	0.189	SD123	Millboro silty clay, 0 to 3 percent slopes	0.189
Steele City	SD	Tripp	558.649	558.716	0.068	SD123	Witten silty clay	0.068
Steele City	SD	Tripp	558.716	559.080	0.364	SD123	Millboro silty clay, 0 to 3 percent slopes	0.364
Steele City	SD	Tripp	559.080	559.229	0.148	SD123	Witten silty clay	0.148
Steele City	SD	Tripp	559.229	560.120	0.891	SD123	Millboro silty clay, 0 to 3 percent slopes	0.891
Steele City	SD	Tripp	560.250	560.341	0.091	SD123	Millboro silty clay, 0 to 3 percent slopes	0.091
Steele City	SD	Tripp	560.441	560.938	0.497	SD123	Millboro silty clay, 0 to 3 percent slopes	0.497
Steele City	SD	Tripp	560.938	561.033	0.094	SD123	Millboro silty clay, 3 to 6 percent slopes	0.094
Steele City	SD	Tripp	561.033	561.213	0.180	SD123	Millboro silty clay, 6 to 9 percent slopes	0.180
Steele City	SD	Tripp	561.628	561.970	0.342	SD123	Millboro silty clay, 6 to 9 percent slopes	0.342
Steele City	SD	Tripp	562.041	562.503	0.462	SD123	Millboro silty clay, 6 to 9 percent slopes	0.462
Steele City	SD	Tripp	562.503	562.624	0.121	SD123	Witten silty clay	0.121
Steele City	SD	Tripp	562.624	562.833	0.209	SD123	Millboro silty clay, 3 to 6 percent slopes	0.209
Steele City	SD	Tripp	562.833	563.021	0.188	SD123	Millboro silty clay, 0 to 3 percent slopes	0.188
Steele City	SD	Tripp	563.021	563.105	0.084	SD123	Witten silty clay	0.084
Steele City	SD	Tripp	563.105	563.260	0.155	SD123	Millboro silty clay, 0 to 3 percent slopes	0.155
Steele City	SD	Tripp	563.879	563.954	0.075	SD123	Canning loam, 2 to 5 percent slopes	0.075
Steele City	SD	Tripp	563.962	563.983	0.021	SD123	Canning loam, 2 to 5 percent slopes	0.021
Steele City	SD	Tripp	564.858	565.049	0.191	SD123	Millboro silty clay, 3 to 6 percent slopes	0.191
Steele City	SD	Tripp	565.299	565.395	0.096	SD123	Millboro silty clay, 3 to 6 percent slopes	0.096
Steele City	SD	Tripp	565.395	565.452	0.058	SD123	Millboro silty clay, 0 to 3 percent slopes	0.058
Steele City	SD	Tripp	565.452	565.554	0.101	SD123	Millboro silty clay, 3 to 6 percent slopes	0.101
Steele City	SD	Tripp	565.721	566.083	0.362	SD123	Bridgeport complex	0.362
Steele City	SD	Tripp	566.083	566.108	0.025	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.025
Steele City	SD	Tripp	566.108	566.245	0.136	SD123	Bridgeport complex	0.136
Steele City	SD	Tripp	566.245	566.534	0.289	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.289
Steele City	SD	Tripp	566.534	566.659	0.126	SD123	Bridgeport complex	0.126
Steele City	SD	Tripp	566.659	566.965	0.305	SD123	Witten silty clay	0.305
Steele City	SD	Tripp	566.965	567.171	0.206	SD123	Millboro silty clay, 0 to 3 percent slopes	0.206
Steele City	SD	Tripp	567.171	567.255	0.084	SD123	Witten silty clay	0.084
Steele City	SD	Tripp	567.255	567.418	0.163	SD123	Millboro silty clay, 0 to 3 percent slopes	0.163
Steele City	SD	Tripp	567.418	567.689	0.271	SD123	Millboro silty clay, 3 to 6 percent slopes	0.271
Steele City	SD	Tripp	567.689	567.847	0.157	SD123	Millboro silty clay, 0 to 3 percent slopes	0.157
Steele City	SD	Tripp	567.847	567.860	0.013	SD123	Millboro silty clay, 3 to 6 percent slopes	0.013
Steele City	SD	Tripp	568.619	568.894	0.274	SD123	Ree loam, 6 to 9 percent slopes	0.274
Steele City	SD	Tripp	568.894	568.913	0.020	SD123	Millboro silty clay, 6 to 9 percent slopes	0.020
Steele City	SD	Tripp	568.913	569.279	0.365	SD123	Ree loam, 6 to 9 percent slopes	0.365
Steele City	SD	Tripp	569.361	569.546	0.185	SD123	Ree loam, 6 to 9 percent slopes	0.185
Steele City	SD	Tripp	569.647	569.801	0.154	SD123	Ree loam, 6 to 9 percent slopes	0.154
Steele City	SD	Tripp	569.944	570.016	0.073	SD123	Millboro silty clay, 6 to 9 percent slopes	0.073
Steele City	SD	Tripp	570.101	570.518	0.418	SD123	Ree loam, 6 to 9 percent slopes	0.418
Steele City	SD	Tripp	570.518	570.641	0.123	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.123
Steele City	SD	Tripp	570.641	570.732	0.092	SD123	Manter fine sandy loam, 0 to 3 percent slopes	0.092
Steele City	SD	Tripp	570.732	570.882	0.150	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.150

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	SD	Tripp	570.882	571.093	0.211	SD123	Anselmo fine sandy loam, 3 to 6 percent slopes	0.211
Steele City	SD	Tripp	571.093	571.197	0.104	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.104
Steele City	SD	Tripp	573.935	574.070	0.135	SD123	Elsmere fine sandy loam	0.135
Steele City	SD	Tripp	574.387	574.547	0.160	SD123	Elsmere fine sandy loam	0.160
Steele City	SD	Tripp	576.406	576.444	0.038	SD123	Elsmere fine sandy loam	0.038
Steele City	SD	Tripp	576.542	576.619	0.077	SD123	Elsmere fine sandy loam	0.077
Steele City	SD	Tripp	577.017	577.194	0.177	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.177
Steele City	SD	Tripp	577.287	577.375	0.089	SD123	Anselmo fine sandy loam, 3 to 6 percent slopes	0.089
Steele City	SD	Tripp	577.375	577.592	0.217	SD123	Elsmere fine sandy loam	0.217
Steele City	SD	Tripp	577.634	577.874	0.240	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.240
Steele City	SD	Tripp	577.874	577.917	0.043	SD123	Vetal fine sandy loam	0.043
Steele City	SD	Tripp	578.114	578.366	0.253	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.253
Steele City	SD	Tripp	579.993	580.051	0.058	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.058
Steele City	SD	Tripp	585.308	585.409	0.101	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.101
Steele City	SD	Tripp	585.410	585.543	0.133	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.133
Steele City	SD	Tripp	587.126	587.618	0.492	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.492
Steele City	SD	Tripp	587.717	588.197	0.480	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.480
Steele City	SD	Tripp	589.554	590.019	0.464	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.464
Steele City	SD	Tripp	590.189	590.334	0.144	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.144
Steele City	SD	Tripp	590.561	590.756	0.195	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.195
Steele City	SD	Tripp	590.867	590.922	0.055	SD123	Wann fine sandy loam	0.055
Steele City	SD	Tripp	591.180	591.222	0.042	SD123	Wann fine sandy loam	0.042
Steele City	SD	Tripp	591.541	591.728	0.188	SD123	Manter fine sandy loam, 0 to 3 percent slopes	0.188
Steele City	SD	Tripp	593.009	593.113	0.104	SD123	Anselmo fine sandy loam, 6 to 9 percent slopes	0.104
Steele City	SD	Tripp	593.227	593.329	0.101	SD123	Anselmo fine sandy loam, 6 to 9 percent slopes	0.101
Steele City	SD	Tripp	593.451	593.490	0.039	SD123	Anselmo fine sandy loam, 6 to 9 percent slopes	0.039
Steele City	SD	Tripp	594.433	594.533	0.101	SD123	Ree loam, 3 to 6 percent slopes	0.101
Steele City	SD	Tripp	594.533	594.649	0.116	SD123	Manter fine sandy loam, 0 to 3 percent slopes	0.116
Steele City	SD	Tripp	594.649	594.655	0.005	SD123	Ree loam, 3 to 6 percent slopes	0.005
Steele City	SD	Tripp	594.655	594.679	0.024	SD123	Manter fine sandy loam, 0 to 3 percent slopes	0.024
Steele City	SD	Tripp	595.511	595.588	0.078	SD123	Promise clay, 3 to 6 percent slopes	0.078
Steele City	SD	Tripp	595.722	595.860	0.138	SD123	Bridgeport complex	0.138
Steele City	SD	Tripp	595.860	595.923	0.063	SD123	Promise clay, 3 to 6 percent slopes	0.063
Steele City	SD	Tripp	596.079	596.202	0.124	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.124
Steele City	SD	Tripp	596.232	596.490	0.258	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.258
Steele City	NE	Keyapaha	596.851	596.892	0.040	NE103	Verdel silty clay loam, 1 to 3 percent slopes	0.040
Steele City	NE	Keyapaha	596.918	596.959	0.041	NE103	Verdel silty clay loam, 1 to 3 percent slopes	0.041
Steele City	NE	Keyapaha	596.961	597.032	0.071	NE103	Verdel silty clay loam, 1 to 3 percent slopes	0.071
Steele City	NE	Keyapaha	597.414	597.469	0.055	NE103	Manter fine sandy loam, 2 to 6 percent slopes	0.055
Steele City	NE	Keyapaha	597.790	597.834	0.043	NE103	Verdel silty clay loam, 0 to 1 percent slopes	0.043
Steele City	NE	Keyapaha	599.120	599.197	0.077	NE103	Verdel silty clay loam, 1 to 3 percent slopes	0.077
Steele City	NE	Keyapaha	599.197	599.360	0.163	NE103	Vetal loam, 0 to 1 percent slopes	0.163
Steele City	NE	Keyapaha	599.360	599.544	0.184	NE103	Cass loam, 0 to 2 percent slopes	0.184
Steele City	NE	Keyapaha	599.638	599.652	0.014	NE103	Cass loam, 0 to 2 percent slopes	0.014
Steele City	NE	Keyapaha	599.911	599.939	0.028	NE103	Cass loam, 0 to 2 percent slopes	0.028
Steele City	NE	Keyapaha	600.023	600.473	0.450	NE103	O'Neill fine sandy loam, 0 to 2 percent slopes	0.450
Steele City	NE	Keyapaha	600.844	600.925	0.081	NE103	O'Neill fine sandy loam, 0 to 2 percent slopes	0.081
Steele City	NE	Keyapaha	601.362	601.425	0.063	NE103	Vetal fine sandy loam, 0 to 2 percent slopes	0.063
Steele City	NE	Keyapaha	601.616	601.678	0.063	NE103	Wewela fine sandy loam, 3 to 6 percent slopes	0.063
Steele City	NE	Keyapaha	601.678	601.802	0.124	NE103	Wewela fine sandy loam, 0 to 3 percent slopes	0.124
Steele City	NE	Keyapaha	601.873	602.130	0.257	NE103	Anselmo fine sandy loam, 2 to 6 percent slopes	0.257
Steele City	NE	Keyapaha	602.288	602.326	0.038	NE103	O'Neill fine sandy loam, 0 to 2 percent slopes	0.038
Steele City	NE	Keyapaha	602.326	602.459	0.134	NE103	Wewela fine sandy loam, 0 to 3 percent slopes	0.134
Steele City	NE	Keyapaha	602.459	602.496	0.037	NE103	Wewela fine sandy loam, 3 to 6 percent slopes	0.037
Steele City	NE	Keyapaha	602.496	602.541	0.045	NE103	Wewela fine sandy loam, 0 to 3 percent slopes	0.045
Steele City	NE	Keyapaha	614.682	614.912	0.230	NE103	Vetal loam, 0 to 1 percent slopes	0.230
Steele City	NE	Rock	615.492	615.879	0.387	NE149	O'Neill sandy loam, 0 to 2 percent slopes	0.387
Steele City	NE	Rock	617.686	617.839	0.153	NE149	Wewela fine sandy loam, 2 to 6 percent slopes	0.153
Steele City	NE	Holt	626.478	626.594	0.115	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.115
Steele City	NE	Holt	626.639	626.691	0.052	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.052
Steele City	NE	Holt	626.758	626.789	0.031	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.031
Steele City	NE	Holt	626.948	627.046	0.098	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.098
Steele City	NE	Holt	627.126	627.567	0.441	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.441
Steele City	NE	Holt	630.094	630.171	0.077	NE089	Ord loam, 0 to 2 percent slopes	0.077
Steele City	NE	Holt	632.137	632.162	0.025	NE089	Libory loamy fine sand, 0 to 3 percent slopes	0.025
Steele City	NE	Holt	632.207	632.218	0.010	NE089	Libory loamy fine sand, 0 to 3 percent slopes	0.010
Steele City	NE	Holt	636.833	636.887	0.054	NE089	Libory loamy fine sand, 0 to 3 percent slopes	0.054
Steele City	NE	Garfield	678.326	678.387	0.061	NE071	Hersh-Gates complex, 0 to 3 percent slopes	0.061
Steele City	NE	Wheeler	679.736	679.791	0.055	NE183	Anselmo fine sandy loam, 2 to 6 percent slopes	0.055
Steele City	NE	Wheeler	679.791	679.851	0.060	NE183	Loretto loam, 0 to 2 percent slopes	0.060
Steele City	NE	Wheeler	679.991	680.097	0.106	NE183	Boelus loamy sand, 0 to 3 percent slopes	0.106

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	NE	Wheeler	680.097	680.175	0.078	NE183	Anselmo fine sandy loam, 2 to 6 percent slopes	0.078
Steele City	NE	Wheeler	692.216	692.336	0.119	NE183	Boelus loamy sand, 0 to 3 percent slopes	0.119
Steele City	NE	Wheeler	693.098	693.198	0.101	NE183	Boelus loamy sand, 0 to 3 percent slopes	0.101
Steele City	NE	Wheeler	696.615	696.870	0.255	NE183	Libory loamy fine sand, 0 to 3 percent slopes	0.255
Steele City	NE	Greeley	702.464	702.531	0.067	NE077	Gates-Hersh complex, 0 to 3 percent slopes	0.067
Steele City	NE	Greeley	702.750	702.846	0.096	NE077	Gates-Hersh complex, 0 to 3 percent slopes	0.096
Steele City	NE	Greeley	705.066	705.110	0.044	NE077	Gates-Hersh complex, 0 to 3 percent slopes	0.044
Steele City	NE	Greeley	705.719	705.922	0.203	NE077	Gates-Hersh complex, 0 to 3 percent slopes	0.203
Steele City	NE	Greeley	706.438	706.552	0.114	NE077	Gates-Hersh complex, 0 to 3 percent slopes	0.114
Steele City	NE	Greeley	706.595	706.638	0.043	NE077	Gates-Hersh complex, 0 to 3 percent slopes	0.043
Steele City	NE	Greeley	707.588	707.675	0.086	NE077	Cass fine sandy loam, 0 to 2 percent slopes	0.086
Steele City	NE	Greeley	708.186	708.203	0.017	NE077	Gates silt loam, 3 to 6 percent slopes, eroded	0.017
Steele City	NE	Greeley	708.544	708.571	0.027	NE077	Kenesaw very fine sandy loam, 1 to 3 percent slopes	0.027
Steele City	NE	Greeley	708.571	708.938	0.367	NE077	Gates silt loam, 3 to 6 percent slopes, eroded	0.367
Steele City	NE	Greeley	709.007	709.242	0.235	NE077	Hord silt loam, terrace, 1 to 3 percent slopes	0.235
Steele City	NE	Greeley	709.383	709.472	0.089	NE077	Hord silt loam, terrace, 1 to 3 percent slopes	0.089
Steele City	NE	Greeley	709.521	709.644	0.124	NE077	Hord silt loam, terrace, 1 to 3 percent slopes	0.124
Steele City	NE	Greeley	709.644	709.694	0.049	NE077	Hobbs silt loam, 0 to 2 percent slopes	0.049
Steele City	NE	Greeley	709.694	709.723	0.029	NE077	Hord silt loam, terrace, 1 to 3 percent slopes	0.029
Steele City	NE	Greeley	712.115	712.195	0.081	NE077	Holdrege silty clay loam, 3 to 6 percent slopes, eroded	0.081
Steele City	NE	Greeley	712.227	712.298	0.071	NE077	Holdrege silty clay loam, 3 to 6 percent slopes, eroded	0.071
Steele City	NE	Greeley	714.204	714.382	0.178	NE077	Hall silt loam, 1 to 3 percent slopes	0.178
Steele City	NE	Greeley	715.628	715.658	0.030	NE077	Hall silt loam, 1 to 3 percent slopes	0.030
Steele City	NE	Greeley	715.817	715.830	0.013	NE077	Holdrege silt loam, 3 to 6 percent slopes	0.013
Steele City	NE	Greeley	715.851	715.927	0.076	NE077	Holdrege silt loam, 3 to 6 percent slopes	0.076
Steele City	NE	Greeley	715.994	715.997	0.003	NE077	Holdrege silty clay loam, 3 to 6 percent slopes, eroded	0.003
Steele City	NE	Greeley	717.800	717.887	0.086	NE077	Hobbs silt loam, 0 to 2 percent slopes	0.086
Steele City	NE	Greeley	718.765	718.825	0.060	NE077	Holdrege silty clay loam, 3 to 6 percent slopes, eroded	0.060
Steele City	NE	Greeley	718.900	718.935	0.036	NE077	Holdrege silty clay loam, 3 to 6 percent slopes, eroded	0.036
Steele City	NE	Boone	721.374	721.438	0.064	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.064
Steele City	NE	Boone	721.491	721.562	0.072	NE011	Nora silt loam, 7 to 12 percent slopes	0.072
Steele City	NE	Boone	721.641	721.806	0.165	NE011	Nora silt loam, 7 to 12 percent slopes	0.165
Steele City	NE	Boone	721.806	721.860	0.054	NE011	Nora silt loam, 7 to 12 percent slopes	0.054
Steele City	NE	Boone	721.958	722.082	0.124	NE011	Nora silt loam, 7 to 12 percent slopes	0.124
Steele City	NE	Boone	722.082	722.350	0.268	NE011	Moody silty clay loam, 3 to 7 percent slopes, eroded	0.268
Steele City	NE	Boone	722.350	722.421	0.071	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.071
Steele City	NE	Boone	722.458	722.509	0.051	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.051
Steele City	NE	Boone	722.528	722.554	0.026	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.026
Steele City	NE	Boone	722.579	722.596	0.017	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.017
Steele City	NE	Boone	722.663	722.688	0.025	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.025
Steele City	NE	Boone	722.773	722.827	0.055	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.055
Steele City	NE	Boone	722.876	722.922	0.046	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.046
Steele City	NE	Boone	722.922	722.944	0.022	NE011	Moody silty clay loam, 3 to 7 percent slopes, eroded	0.022
Steele City	NE	Boone	722.944	722.977	0.033	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.033
Steele City	NE	Boone	723.312	723.511	0.199	NE011	Hord silt loam, 1 to 3 percent slopes	0.199
Steele City	NE	Boone	723.511	723.564	0.053	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.053
Steele City	NE	Boone	723.564	723.632	0.068	NE011	Hord silt loam, 1 to 3 percent slopes	0.068
Steele City	NE	Boone	723.632	723.953	0.321	NE011	Hord silt loam, 0 to 1 percent slopes	0.321
Steele City	NE	Boone	723.953	723.978	0.024	NE011	Nora silt loam, 7 to 12 percent slopes	0.024
Steele City	NE	Boone	724.032	724.053	0.022	NE011	Nora silt loam, 7 to 12 percent slopes	0.022
Steele City	NE	Boone	724.053	724.168	0.115	NE011	Hord silt loam, 0 to 1 percent slopes	0.115
Steele City	NE	Boone	724.168	724.201	0.032	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.032
Steele City	NE	Boone	724.503	724.566	0.064	NE011	Hord silt loam, 0 to 1 percent slopes	0.064
Steele City	NE	Boone	724.610	724.616	0.006	NE011	Hord silt loam, 0 to 1 percent slopes	0.006
Steele City	NE	Nance	724.768	724.771	0.002	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.002
Steele City	NE	Nance	724.948	724.972	0.024	NE125	Belfore silt loam, 0 to 1 percent slopes	0.024
Steele City	NE	Nance	724.979	724.991	0.012	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.012
Steele City	NE	Nance	724.991	725.085	0.094	NE125	Belfore silt loam, 0 to 1 percent slopes	0.094
Steele City	NE	Nance	725.115	725.301	0.186	NE125	Belfore silt loam, 0 to 1 percent slopes	0.186
Steele City	NE	Nance	725.301	725.316	0.014	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.014
Steele City	NE	Nance	725.316	725.335	0.020	NE125	Belfore silt loam, 0 to 1 percent slopes	0.020
Steele City	NE	Nance	725.335	725.350	0.014	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.014
Steele City	NE	Nance	725.374	725.421	0.047	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.047
Steele City	NE	Nance	725.439	725.453	0.013	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.013
Steele City	NE	Nance	725.453	725.864	0.412	NE125	Belfore silt loam, 1 to 3 percent slopes	0.412
Steele City	NE	Nance	725.864	725.883	0.019	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.019
Steele City	NE	Nance	725.917	726.050	0.134	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.134
Steele City	NE	Nance	726.083	726.138	0.054	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.054
Steele City	NE	Nance	726.138	726.300	0.162	NE125	Moody-Nora silt loams, 3 to 7 percent slopes, eroded	0.162
Steele City	NE	Nance	726.300	726.452	0.152	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.152
Steele City	NE	Nance	726.507	726.639	0.132	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.132

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	NE	Nance	726.748	726.918	0.170	NE125	Nora silt loam, 7 to 12 percent slopes	0.170
Steele City	NE	Nance	727.066	727.182	0.116	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.116
Steele City	NE	Nance	727.182	727.346	0.164	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.164
Steele City	NE	Nance	727.346	727.361	0.015	NE125	Moody-Nora silt loams, 3 to 7 percent slopes, eroded	0.015
Steele City	NE	Nance	727.361	727.421	0.061	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.061
Steele City	NE	Nance	727.421	727.475	0.054	NE125	Hall silt loam, 0 to 1 percent slopes	0.054
Steele City	NE	Nance	727.475	727.513	0.038	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.038
Steele City	NE	Nance	727.513	727.554	0.041	NE125	Hall silt loam, 0 to 1 percent slopes	0.041
Steele City	NE	Nance	727.674	727.702	0.028	NE125	Hall silt loam, 1 to 3 percent slopes	0.028
Steele City	NE	Nance	727.740	727.762	0.022	NE125	Hall silt loam, 1 to 3 percent slopes	0.022
Steele City	NE	Nance	727.762	727.837	0.074	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.074
Steele City	NE	Nance	727.837	727.881	0.044	NE125	Hall silt loam, 1 to 3 percent slopes	0.044
Steele City	NE	Nance	727.932	728.077	0.145	NE125	Hall silt loam, 0 to 1 percent slopes	0.145
Steele City	NE	Nance	728.077	728.113	0.035	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.035
Steele City	NE	Nance	728.113	728.263	0.150	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.150
Steele City	NE	Nance	728.263	728.312	0.049	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.049
Steele City	NE	Nance	728.392	728.418	0.026	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.026
Steele City	NE	Nance	728.551	728.574	0.023	NE125	Nora silt loam, 7 to 12 percent slopes	0.023
Steele City	NE	Nance	728.574	728.584	0.011	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.011
Steele City	NE	Nance	728.584	728.609	0.025	NE125	Nora silt loam, 7 to 12 percent slopes	0.025
Steele City	NE	Nance	728.664	728.729	0.065	NE125	Nora silt loam, 7 to 12 percent slopes	0.065
Steele City	NE	Nance	728.871	729.001	0.130	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.130
Steele City	NE	Nance	729.067	729.228	0.161	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.161
Steele City	NE	Nance	729.228	729.268	0.040	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.040
Steele City	NE	Nance	729.322	729.397	0.075	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.075
Steele City	NE	Nance	729.405	729.463	0.058	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.058
Steele City	NE	Nance	729.828	729.858	0.031	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.031
Steele City	NE	Nance	729.875	730.069	0.194	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.194
Steele City	NE	Nance	730.331	730.379	0.048	NE125	Nora silt loam, 7 to 12 percent slopes	0.048
Steele City	NE	Nance	730.621	730.693	0.072	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.072
Steele City	NE	Nance	730.705	730.845	0.140	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.140
Steele City	NE	Nance	730.934	730.952	0.017	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.017
Steele City	NE	Nance	731.078	731.123	0.045	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.045
Steele City	NE	Nance	731.277	731.310	0.033	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.033
Steele City	NE	Nance	731.310	731.335	0.024	NE125	Moody-Nora silt loams, 3 to 7 percent slopes, eroded	0.024
Steele City	NE	Nance	731.335	731.355	0.020	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.020
Steele City	NE	Nance	731.375	731.697	0.322	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.322
Steele City	NE	Nance	731.724	731.751	0.027	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.027
Steele City	NE	Nance	731.751	731.972	0.221	NE125	Belfore silt loam, 0 to 1 percent slopes	0.221
Steele City	NE	Nance	732.149	732.272	0.123	NE125	Belfore silt loam, 0 to 1 percent slopes	0.123
Steele City	NE	Nance	732.870	732.948	0.079	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.079
Steele City	NE	Nance	733.071	733.236	0.165	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.165
Steele City	NE	Nance	733.289	733.365	0.075	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.075
Steele City	NE	Nance	733.387	733.744	0.357	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.357
Steele City	NE	Nance	733.812	733.835	0.023	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.023
Steele City	NE	Nance	733.859	733.868	0.009	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.009
Steele City	NE	Nance	733.868	733.991	0.123	NE125	Belfore silt loam, 1 to 3 percent slopes	0.123
Steele City	NE	Nance	733.991	734.018	0.028	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.028
Steele City	NE	Nance	734.797	735.211	0.414	NE125	Belfore silt loam, 0 to 1 percent slopes	0.414
Steele City	NE	Nance	735.317	735.329	0.013	NE125	Belfore silt loam, 0 to 1 percent slopes	0.013
Steele City	NE	Nance	735.374	735.480	0.106	NE125	Belfore silt loam, 0 to 1 percent slopes	0.106
Steele City	NE	Nance	735.729	735.899	0.170	NE125	Belfore silt loam, 0 to 1 percent slopes	0.170
Steele City	NE	Nance	735.936	736.469	0.534	NE125	Belfore silt loam, 0 to 1 percent slopes	0.534
Steele City	NE	Nance	736.504	736.534	0.030	NE125	Belfore silt loam, 0 to 1 percent slopes	0.030
Steele City	NE	Nance	736.563	736.611	0.048	NE125	Belfore silt loam, 0 to 1 percent slopes	0.048
Steele City	NE	Nance	736.621	736.756	0.135	NE125	Belfore silt loam, 0 to 1 percent slopes	0.135
Steele City	NE	Nance	737.309	737.343	0.034	NE125	Nora silt loam, 7 to 12 percent slopes	0.034
Steele City	NE	Nance	737.419	737.594	0.174	NE125	Nora silt loam, 7 to 12 percent slopes	0.174
Steele City	NE	Nance	737.594	737.686	0.092	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.092
Steele City	NE	Nance	737.686	737.800	0.114	NE125	Belfore silt loam, 1 to 3 percent slopes	0.114
Steele City	NE	Nance	737.800	737.943	0.144	NE125	Hall silt loam, 0 to 1 percent slopes	0.144
Steele City	NE	Nance	737.943	738.267	0.324	NE125	McPaul silt loam	0.324
Steele City	NE	Nance	738.267	739.555	1.287	NE125	Hall silt loam, 0 to 1 percent slopes	1.287
Steele City	NE	Nance	740.317	740.627	0.310	NE125	Newman loamy fine sand, 1 to 3 percent slopes, eroded	0.310
Steele City	NE	Nance	740.646	740.768	0.122	NE125	Newman loamy fine sand, 1 to 3 percent slopes, eroded	0.122
Steele City	NE	Nance	740.768	740.881	0.114	NE125	Cass fine sandy loam	0.114
Steele City	NE	Nance	740.881	740.910	0.028	NE125	Newman loamy fine sand, 1 to 3 percent slopes	0.028
Steele City	NE	Nance	740.977	741.167	0.189	NE125	Ortello fine sandy loam, 1 to 3 percent slopes	0.189
Steele City	NE	Nance	741.167	741.294	0.128	NE125	Ortello very fine sandy loam, 1 to 3 percent slopes	0.128
Steele City	NE	Nance	741.294	741.698	0.403	NE125	Hord very fine sandy loam, imperfectly drained, 0 to 1 percent slopes	0.403

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	NE	Nance	741.698	741.714	0.016	NE125	Hord very fine sandy loam, 0 to 1 percent slopes	0.016
Steele City	NE	Nance	741.714	741.758	0.044	NE125	Hord very fine sandy loam, 3 to 7 percent slopes	0.044
Steele City	NE	Nance	741.758	741.900	0.142	NE125	Hord very fine sandy loam, imperfectly drained, 0 to 1 percent slopes	0.142
Steele City	NE	Merrick	742.547	742.631	0.085	NE121	Wann loam, 0 to 1 percent slopes	0.085
Steele City	NE	Merrick	742.631	742.833	0.202	NE121	Janude sandy loam, 0 to 2 percent slopes	0.202
Steele City	NE	Merrick	745.491	745.770	0.278	NE121	Libory loamy fine sand, 0 to 3 percent slopes	0.278
Steele City	NE	Merrick	745.803	745.889	0.087	NE121	Libory loamy fine sand, 0 to 3 percent slopes	0.087
Steele City	NE	Merrick	745.988	746.153	0.166	NE121	Novina sandy loam, 0 to 2 percent slopes	0.166
Steele City	NE	Merrick	746.229	746.289	0.060	NE121	Wann loam, 0 to 1 percent slopes	0.060
Steele City	NE	Merrick	746.289	746.324	0.035	NE121	Leshara silt loam, 0 to 2 percent slopes	0.035
Steele City	NE	Merrick	746.324	746.689	0.365	NE121	Lockton loam, 0 to 1 percent slopes	0.365
Steele City	NE	Merrick	746.689	746.733	0.044	NE121	Lex clay loam, 0 to 1 percent slopes	0.044
Steele City	NE	Merrick	746.733	746.858	0.125	NE121	Lockton loam, 0 to 1 percent slopes	0.125
Steele City	NE	Merrick	747.149	747.337	0.188	NE121	Blendon fine sandy loam, 0 to 2 percent slopes	0.188
Steele City	NE	Merrick	747.387	747.565	0.177	NE121	Blendon fine sandy loam, 0 to 2 percent slopes	0.177
Steele City	NE	Merrick	747.565	747.612	0.047	NE121	O'Neill sandy loam, 0 to 2 percent slopes	0.047
Steele City	NE	Merrick	747.737	748.309	0.572	NE121	O'Neill sandy loam, 0 to 2 percent slopes	0.572
Steele City	NE	Merrick	748.309	748.411	0.102	NE121	Blendon fine sandy loam, 0 to 2 percent slopes	0.102
Steele City	NE	Merrick	748.411	748.605	0.194	NE121	O'Neill sandy loam, 0 to 2 percent slopes	0.194
Steele City	NE	Merrick	748.605	748.661	0.056	NE121	Blendon fine sandy loam, 2 to 6 percent slopes	0.056
Steele City	NE	Merrick	748.661	748.907	0.246	NE121	Wann loam, 0 to 1 percent slopes	0.246
Steele City	NE	Merrick	748.907	749.033	0.126	NE121	Gibbon loam, 0 to 2 percent slopes	0.126
Steele City	NE	Merrick	749.176	749.380	0.204	NE121	Janude sandy loam, 0 to 2 percent slopes	0.204
Steele City	NE	Merrick	749.380	749.550	0.170	NE121	Gibbon loam, 0 to 2 percent slopes	0.170
Steele City	NE	Merrick	749.647	749.659	0.013	NE121	Gibbon loam, 0 to 2 percent slopes	0.013
Steele City	NE	Merrick	749.659	749.771	0.111	NE121	Novina sandy loam, 0 to 2 percent slopes	0.111
Steele City	NE	Merrick	749.771	749.771	0.001	NE121	Gibbon loam, 0 to 2 percent slopes	0.001
Steele City	NE	Merrick	749.771	749.800	0.029	NE121	Janude sandy loam, 0 to 2 percent slopes	0.029
Steele City	NE	Merrick	749.800	749.915	0.115	NE121	Novina sandy loam, 0 to 2 percent slopes	0.115
Steele City	NE	Merrick	749.971	750.267	0.297	NE121	Gibbon loam, 0 to 2 percent slopes	0.297
Steele City	NE	Merrick	750.267	750.490	0.223	NE121	Lamo clay loam, sandy substratum, 0 to 1 percent slopes	0.223
Steele City	NE	Merrick	750.610	750.879	0.269	NE121	Alda loam, 0 to 1 percent slopes	0.269
Steele City	NE	Merrick	750.879	750.934	0.055	NE121	Lex clay loam, 0 to 1 percent slopes	0.055
Steele City	NE	Merrick	750.934	751.054	0.119	NE121	Janude sandy loam, 0 to 2 percent slopes	0.119
Steele City	NE	Merrick	753.247	753.311	0.064	NE121	Leshara silt loam, 0 to 2 percent slopes	0.064
Steele City	NE	Merrick	753.311	753.347	0.037	NE121	Alda sandy loam, 0 to 2 percent slopes	0.037
Steele City	NE	Merrick	753.608	753.702	0.094	NE121	Janude sandy loam, 0 to 2 percent slopes	0.094
Steele City	NE	Merrick	753.702	753.839	0.137	NE121	Leshara silt loam, 0 to 2 percent slopes	0.137
Steele City	NE	Merrick	753.839	753.862	0.023	NE121	Janude sandy loam, 0 to 2 percent slopes	0.023
Steele City	NE	Merrick	753.862	753.951	0.090	NE121	Gibbon loam, 0 to 2 percent slopes	0.090
Steele City	NE	Merrick	753.951	754.415	0.464	NE121	Lamo clay loam, sandy substratum, 0 to 1 percent slopes	0.464
Steele City	NE	Merrick	754.415	754.635	0.220	NE121	Janude sandy loam, 0 to 2 percent slopes	0.220
Steele City	NE	Merrick	754.635	754.778	0.143	NE121	Cozad loam, wet substratum, 0 to 1 percent slopes	0.143
Steele City	NE	Merrick	754.840	755.186	0.346	NE121	Cozad loam, wet substratum, 0 to 1 percent slopes	0.346
Steele City	NE	Merrick	755.186	755.195	0.009	NE121	Janude sandy loam, 0 to 2 percent slopes	0.009
Steele City	NE	Merrick	755.195	755.270	0.075	NE121	Alda sandy loam, 0 to 2 percent slopes	0.075
Steele City	NE	Merrick	755.741	755.780	0.040	NE121	Alda sandy loam, 0 to 2 percent slopes	0.040
Steele City	NE	Merrick	755.836	756.038	0.202	NE121	Alda sandy loam, 0 to 2 percent slopes	0.202
Steele City	NE	Merrick	756.038	756.113	0.075	NE121	Alda loam, 0 to 1 percent slopes	0.075
Steele City	NE	Merrick	756.113	756.157	0.045	NE121	Alda sandy loam, 0 to 2 percent slopes	0.045
Steele City	NE	Merrick	756.267	756.345	0.078	NE121	Novina sandy loam, 0 to 2 percent slopes	0.078
Steele City	NE	Merrick	756.345	756.349	0.004	NE121	Wann sandy loam, 0 to 2 percent slopes	0.004
Steele City	NE	Merrick	756.349	756.457	0.108	NE121	Lex loam, 0 to 1 percent slopes	0.108
Steele City	NE	Hamilton	757.479	757.557	0.078	NE081	Alda loam, 0 to 2 percent slopes	0.078
Steele City	NE	Hamilton	757.557	757.731	0.174	NE081	Cozad silt loam, wet substratum, 0 to 1 percent slopes	0.174
Steele City	NE	Hamilton	757.731	757.735	0.003	NE081	Cozad silt loam, 1 to 3 percent slopes	0.003
Steele City	NE	Hamilton	757.735	758.060	0.325	NE081	Hord silt loam, 0 to 1 percent slopes	0.325
Steele City	NE	Hamilton	758.060	758.130	0.070	NE081	Ortello fine sandy loam, 1 to 3 percent slopes	0.070
Steele City	NE	Hamilton	758.261	758.314	0.054	NE081	Uly silt loam, 3 to 6 percent slopes	0.054
Steele City	NE	Hamilton	758.472	758.503	0.030	NE081	Uly silt loam, 3 to 6 percent slopes	0.030
Steele City	NE	Hamilton	758.503	758.585	0.083	NE081	Holder silt loam, 0 to 1 percent slopes	0.083
Steele City	NE	Hamilton	758.585	758.593	0.007	NE081	Uly silt loam, 3 to 6 percent slopes	0.007
Steele City	NE	Hamilton	758.593	758.632	0.040	NE081	Holder silt loam, 0 to 1 percent slopes	0.040
Steele City	NE	Hamilton	758.632	758.659	0.027	NE081	Uly silt loam, 3 to 6 percent slopes	0.027
Steele City	NE	Hamilton	758.715	758.733	0.019	NE081	Uly silt loam, 3 to 6 percent slopes	0.019
Steele City	NE	Hamilton	758.733	758.784	0.051	NE081	Holder silt loam, 0 to 1 percent slopes	0.051
Steele City	NE	Hamilton	758.845	758.893	0.047	NE081	Holder silt loam, 0 to 1 percent slopes	0.047
Steele City	NE	Hamilton	758.931	759.464	0.533	NE081	Holder silt loam, 0 to 1 percent slopes	0.533
Steele City	NE	Hamilton	759.464	759.480	0.016	NE081	Holder silt loam, 1 to 3 percent slopes	0.016
Steele City	NE	Hamilton	759.480	760.587	1.107	NE081	Holder silt loam, 0 to 1 percent slopes	1.107

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	NE	Hamilton	760.587	760.920	0.333	NE081	Butler silt loam, 0 to 1 percent slopes	0.333
Steele City	NE	Hamilton	760.920	760.986	0.066	NE081	Holder silt loam, 1 to 3 percent slopes	0.066
Steele City	NE	Hamilton	760.986	762.199	1.213	NE081	Holder silt loam, 0 to 1 percent slopes	1.213
Steele City	NE	Hamilton	762.199	762.469	0.270	NE081	Hastings silt loam, 0 to 1 percent slopes	0.270
Steele City	NE	Hamilton	762.469	763.408	0.939	NE081	Holder silt loam, 0 to 1 percent slopes	0.939
Steele City	NE	Hamilton	763.408	763.502	0.094	NE081	Holder silt loam, 1 to 3 percent slopes	0.094
Steele City	NE	Hamilton	763.502	763.813	0.311	NE081	Holder silty clay loam, 3 to 6 percent slopes, eroded	0.311
Steele City	NE	Hamilton	763.813	763.825	0.012	NE081	Holder silt loam, 3 to 6 percent slopes	0.012
Steele City	NE	Hamilton	763.825	763.929	0.104	NE081	Hord silt loam, 0 to 1 percent slopes	0.104
Steele City	NE	Hamilton	763.929	764.018	0.089	NE081	Holder silt loam, 3 to 6 percent slopes	0.089
Steele City	NE	Hamilton	764.018	764.103	0.084	NE081	Holder silt loam, 1 to 3 percent slopes	0.084
Steele City	NE	York	764.103	764.282	0.179	NE185	Holder silt loam, 1 to 3 percent slopes	0.179
Steele City	NE	York	764.282	764.393	0.112	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.112
Steele City	NE	York	764.419	764.621	0.202	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.202
Steele City	NE	York	764.673	764.781	0.108	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.108
Steele City	NE	York	764.781	764.912	0.131	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.131
Steele City	NE	York	764.912	766.138	1.226	NE185	Holder silt loam, 0 to 1 percent slopes	1.226
Steele City	NE	York	766.138	766.254	0.116	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.116
Steele City	NE	York	766.254	766.335	0.081	NE185	Hobbs silt loam, 0 to 2 percent slopes	0.081
Steele City	NE	York	766.335	766.395	0.060	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.060
Steele City	NE	York	766.395	766.628	0.233	NE185	Holder silt loam, 0 to 1 percent slopes	0.233
Steele City	NE	York	766.628	766.977	0.348	NE185	Holder silt loam, 1 to 3 percent slopes	0.348
Steele City	NE	York	766.977	767.155	0.179	NE185	Holder silt loam, 0 to 1 percent slopes	0.179
Steele City	NE	York	767.155	767.359	0.204	NE185	Holder silt loam, 1 to 3 percent slopes	0.204
Steele City	NE	York	767.393	767.474	0.081	NE185	Holder silt loam, 0 to 1 percent slopes	0.081
Steele City	NE	York	767.474	767.577	0.103	NE185	Holder silt loam, 1 to 3 percent slopes	0.103
Steele City	NE	York	767.679	767.990	0.312	NE185	Holder silt loam, 1 to 3 percent slopes	0.312
Steele City	NE	York	767.990	768.096	0.106	NE185	Hastings silt loam, 3 to 6 percent slopes	0.106
Steele City	NE	York	768.096	768.196	0.100	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.100
Steele City	NE	York	768.196	768.535	0.339	NE185	Butler silt loam, 0 to 1 percent slopes	0.339
Steele City	NE	York	768.535	768.900	0.365	NE185	Crete silt loam, 0 to 1 percent slopes	0.365
Steele City	NE	York	768.975	769.118	0.143	NE185	Crete silt loam, 0 to 1 percent slopes	0.143
Steele City	NE	York	769.118	769.216	0.098	NE185	Holder silt loam, 1 to 3 percent slopes	0.098
Steele City	NE	York	769.216	769.285	0.069	NE185	Crete silt loam, 0 to 1 percent slopes	0.069
Steele City	NE	York	769.285	769.300	0.014	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.014
Steele City	NE	York	769.396	769.541	0.146	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.146
Steele City	NE	York	769.541	769.710	0.169	NE185	Holder silt loam, 1 to 3 percent slopes	0.169
Steele City	NE	York	769.710	770.286	0.576	NE185	Hastings silt loam, 0 to 1 percent slopes	0.576
Steele City	NE	York	770.286	770.475	0.189	NE185	Holder silt loam, 1 to 3 percent slopes	0.189
Steele City	NE	York	770.475	770.650	0.175	NE185	Hastings silt loam, 0 to 1 percent slopes	0.175
Steele City	NE	York	770.650	770.752	0.101	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.101
Steele City	NE	York	770.752	770.852	0.100	NE185	Hastings silt loam, 0 to 1 percent slopes	0.100
Steele City	NE	York	770.852	770.970	0.118	NE185	Hastings silt loam, 1 to 3 percent slopes	0.118
Steele City	NE	York	770.970	772.442	1.472	NE185	Hastings silt loam, 0 to 1 percent slopes	1.472
Steele City	NE	York	772.442	772.481	0.039	NE185	Butler silt loam, 0 to 1 percent slopes	0.039
Steele City	NE	York	772.481	773.526	1.045	NE185	Hastings silt loam, 0 to 1 percent slopes	1.045
Steele City	NE	York	773.526	773.553	0.027	NE185	Hastings silt loam, 1 to 3 percent slopes	0.027
Steele City	NE	York	773.553	773.726	0.173	NE185	Hastings silt loam, 3 to 6 percent slopes	0.173
Steele City	NE	York	773.726	773.839	0.113	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.113
Steele City	NE	York	773.839	774.032	0.193	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.193
Steele City	NE	York	774.181	774.300	0.119	NE185	Hastings silt loam, 3 to 6 percent slopes	0.119
Steele City	NE	York	774.424	774.491	0.067	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.067
Steele City	NE	York	774.491	774.546	0.055	NE185	Hastings silt loam, 0 to 1 percent slopes	0.055
Steele City	NE	York	774.546	774.583	0.038	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.038
Steele City	NE	York	774.583	774.630	0.046	NE185	Hastings silt loam, 0 to 1 percent slopes	0.046
Steele City	NE	York	774.630	774.656	0.027	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.027
Steele City	NE	York	774.656	774.912	0.256	NE185	Hastings silt loam, 0 to 1 percent slopes	0.256
Steele City	NE	York	774.912	775.033	0.120	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.120
Steele City	NE	York	775.033	775.139	0.106	NE185	Hastings silt loam, 0 to 1 percent slopes	0.106
Steele City	NE	York	775.213	775.330	0.117	NE185	Hastings silt loam, 0 to 1 percent slopes	0.117
Steele City	NE	York	775.330	775.399	0.069	NE185	Hastings silt loam, 1 to 3 percent slopes	0.069
Steele City	NE	York	775.399	777.031	1.632	NE185	Hastings silt loam, 0 to 1 percent slopes	1.632
Steele City	NE	York	777.031	777.079	0.048	NE185	Hastings silt loam, 3 to 6 percent slopes	0.048
Steele City	NE	York	777.206	777.433	0.227	NE185	Hastings silt loam, 0 to 1 percent slopes	0.227
Steele City	NE	York	777.433	777.569	0.136	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.136
Steele City	NE	York	777.569	778.425	0.857	NE185	Hastings silt loam, 0 to 1 percent slopes	0.857
Steele City	NE	York	778.497	778.682	0.185	NE185	Hastings silt loam, 0 to 1 percent slopes	0.185
Steele City	NE	York	778.682	778.795	0.114	NE185	Hastings silt loam, 3 to 6 percent slopes	0.114
Steele City	NE	York	778.795	778.980	0.184	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.184
Steele City	NE	York	778.980	779.281	0.301	NE185	Crete silt loam, 0 to 1 percent slopes	0.301
Steele City	NE	York	779.281	779.310	0.029	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.029

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	NE	York	779.393	779.471	0.077	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.077
Steele City	NE	York	779.471	779.538	0.067	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.067
Steele City	NE	York	779.538	779.905	0.368	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.368
Steele City	NE	York	779.905	780.922	1.017	NE185	Hastings silt loam, 0 to 1 percent slopes	1.017
Steele City	NE	York	780.922	780.981	0.059	NE185	Hastings silt loam, 3 to 6 percent slopes	0.059
Steele City	NE	York	780.981	781.051	0.069	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.069
Steele City	NE	York	781.285	781.351	0.066	NE185	Hastings silt loam, 3 to 6 percent slopes	0.066
Steele City	NE	York	781.351	781.479	0.128	NE185	Hastings silt loam, 0 to 1 percent slopes	0.128
Steele City	NE	York	781.508	781.532	0.024	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.024
Steele City	NE	York	781.532	781.628	0.096	NE185	Hastings silt loam, 1 to 3 percent slopes	0.096
Steele City	NE	York	781.628	781.656	0.028	NE185	Hastings silt loam, 0 to 1 percent slopes	0.028
Steele City	NE	York	781.656	781.702	0.046	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.046
Steele City	NE	York	781.702	781.718	0.015	NE185	Hastings silt loam, 0 to 1 percent slopes	0.015
Steele City	NE	York	781.718	781.807	0.089	NE185	Hastings silt loam, 1 to 3 percent slopes	0.089
Steele City	NE	York	781.877	781.936	0.059	NE185	Hastings silt loam, 0 to 1 percent slopes	0.059
Steele City	NE	York	781.936	781.959	0.023	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.023
Steele City	NE	York	782.021	782.052	0.031	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.031
Steele City	NE	York	782.052	782.123	0.071	NE185	Crete silt loam, 0 to 1 percent slopes	0.071
Steele City	NE	York	782.123	782.209	0.086	NE185	Hastings silt loam, 0 to 1 percent slopes	0.086
Steele City	NE	York	782.209	782.385	0.176	NE185	Hastings silt loam, 3 to 6 percent slopes	0.176
Steele City	NE	York	782.385	782.424	0.040	NE185	Hastings silt loam, 1 to 3 percent slopes	0.040
Steele City	NE	York	782.424	782.819	0.394	NE185	Hastings silt loam, 0 to 1 percent slopes	0.394
Steele City	NE	York	782.819	782.925	0.107	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.107
Steele City	NE	York	782.925	783.689	0.764	NE185	Hastings silt loam, 0 to 1 percent slopes	0.764
Steele City	NE	York	783.689	783.778	0.088	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.088
Steele City	NE	York	783.778	783.819	0.041	NE185	Hastings silt loam, 0 to 1 percent slopes	0.041
Steele City	NE	York	783.819	783.895	0.076	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.076
Steele City	NE	York	783.895	784.545	0.650	NE185	Hastings silt loam, 0 to 1 percent slopes	0.650
Steele City	NE	York	784.545	784.622	0.077	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.077
Steele City	NE	York	784.622	785.196	0.574	NE185	Hastings silt loam, 0 to 1 percent slopes	0.574
Steele City	NE	York	785.196	785.234	0.038	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.038
Steele City	NE	York	785.291	785.329	0.037	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.037
Steele City	NE	York	785.421	785.492	0.070	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.070
Steele City	NE	York	785.492	785.548	0.056	NE185	Hastings silt loam, 1 to 3 percent slopes	0.056
Steele City	NE	York	785.548	785.631	0.083	NE185	Hastings silt loam, 0 to 1 percent slopes	0.083
Steele City	NE	York	785.631	785.691	0.060	NE185	Hastings silt loam, 1 to 3 percent slopes	0.060
Steele City	NE	York	785.691	785.987	0.296	NE185	Hastings silt loam, 0 to 1 percent slopes	0.296
Steele City	NE	York	785.987	786.067	0.080	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.080
Steele City	NE	York	786.261	786.399	0.138	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.138
Steele City	NE	York	786.532	786.538	0.007	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.007
Steele City	NE	York	786.608	786.645	0.037	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.037
Steele City	NE	York	786.645	786.801	0.156	NE185	Hastings silt loam, 0 to 1 percent slopes	0.156
Steele City	NE	York	786.853	787.107	0.253	NE185	Hastings silt loam, 0 to 1 percent slopes	0.253
Steele City	NE	York	787.107	787.129	0.023	NE185	Hastings silt loam, 3 to 6 percent slopes	0.023
Steele City	NE	York	787.330	787.475	0.145	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.145
Steele City	NE	York	787.475	787.660	0.185	NE185	Hastings silt loam, 0 to 1 percent slopes	0.185
Steele City	NE	York	787.660	787.766	0.105	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.105
Steele City	NE	York	787.766	787.883	0.117	NE185	Hastings silt loam, 0 to 1 percent slopes	0.117
Steele City	NE	York	787.927	787.952	0.026	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.026
Steele City	NE	York	788.115	788.344	0.229	NE185	Geary silty clay loam, 3 to 6 percent slopes, eroded	0.229
Steele City	NE	York	788.344	788.488	0.144	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.144
Steele City	NE	York	788.488	788.605	0.116	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.116
Steele City	NE	York	788.605	788.659	0.054	NE185	Hobbs silt loam, 0 to 2 percent slopes	0.054
Steele City	NE	York	788.764	788.824	0.060	NE185	Hobbs silt loam, 0 to 2 percent slopes	0.060
Steele City	NE	York	788.824	788.911	0.087	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.087
Steele City	NE	York	788.911	789.006	0.095	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.095
Steele City	NE	York	789.006	789.118	0.112	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.112
Steele City	NE	York	789.118	789.173	0.055	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.055
Steele City	NE	York	789.173	789.342	0.169	NE185	Crete silt loam, 0 to 1 percent slopes	0.169
Steele City	NE	York	789.342	789.421	0.079	NE185	Butler silt loam, 0 to 1 percent slopes	0.079
Steele City	NE	York	789.421	789.521	0.099	NE185	Crete silt loam, 0 to 1 percent slopes	0.099
Steele City	NE	York	789.521	789.570	0.049	NE185	Butler silt loam, 0 to 1 percent slopes	0.049
Steele City	NE	York	789.570	789.627	0.057	NE185	Hastings silt loam, 0 to 1 percent slopes	0.057
Steele City	NE	York	789.627	789.661	0.035	NE185	Hastings silt loam, 1 to 3 percent slopes	0.035
Steele City	NE	York	789.661	789.760	0.098	NE185	Hastings silt loam, 0 to 1 percent slopes	0.098
Steele City	NE	York	789.760	789.878	0.118	NE185	Butler silt loam, 0 to 1 percent slopes	0.118
Steele City	NE	York	789.878	789.886	0.009	NE185	Hastings silt loam, 0 to 1 percent slopes	0.009
Steele City	NE	York	789.886	790.012	0.126	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.126
Steele City	NE	York	790.012	790.130	0.117	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.117
Steele City	NE	York	790.130	790.288	0.158	NE185	Hastings silt loam, 0 to 1 percent slopes	0.158
Steele City	NE	York	790.600	790.619	0.019	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.019

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	NE	York	790.619	790.640	0.022	NE185	Hastings silt loam, 1 to 3 percent slopes	0.022
Steele City	NE	York	790.640	790.675	0.034	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.034
Steele City	NE	York	790.675	790.851	0.177	NE185	Hastings silt loam, 1 to 3 percent slopes	0.177
Steele City	NE	York	790.851	790.912	0.061	NE185	Hastings silt loam, 3 to 6 percent slopes	0.061
Steele City	NE	York	790.912	790.976	0.064	NE185	Hastings silt loam, 1 to 3 percent slopes	0.064
Steele City	NE	York	790.976	791.013	0.037	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.037
Steele City	NE	York	791.013	791.060	0.047	NE185	Hastings silt loam, 1 to 3 percent slopes	0.047
Steele City	NE	York	791.126	791.160	0.035	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.035
Steele City	NE	York	791.160	791.187	0.026	NE185	Hastings silt loam, 1 to 3 percent slopes	0.026
Steele City	NE	York	791.187	791.227	0.040	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.040
Steele City	NE	York	791.227	791.242	0.016	NE185	Hastings silt loam, 1 to 3 percent slopes	0.016
Steele City	NE	York	791.242	791.301	0.059	NE185	Hastings silt loam, 3 to 6 percent slopes	0.059
Steele City	NE	York	791.301	791.344	0.043	NE185	Hastings silt loam, 1 to 3 percent slopes	0.043
Steele City	NE	York	791.344	791.400	0.056	NE185	Hastings silt loam, 3 to 6 percent slopes	0.056
Steele City	NE	York	791.400	791.445	0.045	NE185	Hastings silt loam, 1 to 3 percent slopes	0.045
Steele City	NE	York	791.445	791.574	0.130	NE185	Hastings silt loam, 3 to 6 percent slopes	0.130
Steele City	NE	York	791.574	791.717	0.142	NE185	Hastings silt loam, 1 to 3 percent slopes	0.142
Steele City	NE	York	791.717	791.839	0.122	NE185	Butler silt loam, 0 to 1 percent slopes	0.122
Steele City	NE	York	791.839	791.993	0.154	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.154
Steele City	NE	York	791.993	792.165	0.172	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.172
Steele City	NE	York	792.165	792.184	0.019	NE185	Hastings silt loam, 3 to 6 percent slopes	0.019
Steele City	NE	York	792.184	792.398	0.214	NE185	Hastings silt loam, 1 to 3 percent slopes	0.214
Steele City	NE	York	792.398	792.735	0.337	NE185	Hastings silt loam, 3 to 6 percent slopes	0.337
Steele City	NE	York	792.735	792.755	0.021	NE185	Hastings silt loam, 1 to 3 percent slopes	0.021
Steele City	NE	York	792.755	792.815	0.060	NE185	Butler silt loam, 0 to 1 percent slopes	0.060
Steele City	NE	York	792.815	792.852	0.037	NE185	Hastings silt loam, 1 to 3 percent slopes	0.037
Steele City	NE	York	792.852	793.127	0.275	NE185	Hastings silt loam, 3 to 6 percent slopes	0.275
Steele City	NE	York	793.127	793.164	0.037	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.037
Steele City	NE	York	793.164	793.293	0.129	NE185	Hastings silt loam, 3 to 6 percent slopes	0.129
Steele City	NE	York	793.293	793.363	0.071	NE185	Hastings silt loam, 1 to 3 percent slopes	0.071
Steele City	NE	York	793.363	793.511	0.148	NE185	Butler silt loam, 0 to 1 percent slopes	0.148
Steele City	NE	York	793.511	793.542	0.031	NE185	Hastings silt loam, 3 to 6 percent slopes	0.031
Steele City	NE	York	793.542	793.604	0.061	NE185	Hastings silt loam, 1 to 3 percent slopes	0.061
Steele City	NE	Fillmore	793.604	793.614	0.010	NE059	Hastings silt loam, 1 to 3 percent slopes	0.010
Steele City	NE	Fillmore	793.679	794.023	0.344	NE059	Hastings silt loam, 3 to 6 percent slopes	0.344
Steele City	NE	Fillmore	794.023	794.112	0.089	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.089
Steele City	NE	Fillmore	794.112	794.217	0.105	NE059	Hobbs silt loam, 0 to 2 percent slopes	0.105
Steele City	NE	Fillmore	794.278	794.286	0.008	NE059	Hastings silt loam, 1 to 3 percent slopes	0.008
Steele City	NE	Fillmore	794.286	794.490	0.204	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.204
Steele City	NE	Fillmore	794.490	794.528	0.038	NE059	Hastings silt loam, 1 to 3 percent slopes	0.038
Steele City	NE	Fillmore	794.528	794.671	0.143	NE059	Crete silt loam, 0 to 1 percent slopes	0.143
Steele City	NE	Fillmore	794.671	794.971	0.300	NE059	Butler silt loam, 0 to 1 percent slopes	0.300
Steele City	NE	Fillmore	794.971	795.040	0.069	NE059	Crete silt loam, 0 to 1 percent slopes	0.069
Steele City	NE	Fillmore	795.040	795.095	0.055	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.055
Steele City	NE	Fillmore	795.095	795.410	0.315	NE059	Hastings silt loam, 1 to 3 percent slopes	0.315
Steele City	NE	Fillmore	795.410	795.458	0.048	NE059	Crete silt loam, 0 to 1 percent slopes	0.048
Steele City	NE	Fillmore	795.458	795.520	0.063	NE059	Butler silt loam, 0 to 1 percent slopes	0.063
Steele City	NE	Fillmore	795.520	795.798	0.277	NE059	Crete silt loam, 0 to 1 percent slopes	0.277
Steele City	NE	Fillmore	795.798	795.936	0.138	NE059	Butler silt loam, 0 to 1 percent slopes	0.138
Steele City	NE	Fillmore	795.936	795.978	0.043	NE059	Crete silt loam, 0 to 1 percent slopes	0.043
Steele City	NE	Fillmore	795.978	796.051	0.073	NE059	Butler silt loam, 0 to 1 percent slopes	0.073
Steele City	NE	Fillmore	796.051	796.398	0.347	NE059	Crete silt loam, 0 to 1 percent slopes	0.347
Steele City	NE	Fillmore	796.398	796.457	0.059	NE059	Hastings silt loam, 1 to 3 percent slopes	0.059
Steele City	NE	Fillmore	796.457	796.530	0.074	NE059	Crete silt loam, 0 to 1 percent slopes	0.074
Steele City	NE	Fillmore	796.530	796.579	0.048	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.048
Steele City	NE	Fillmore	796.579	796.733	0.154	NE059	Hastings silt loam, 1 to 3 percent slopes	0.154
Steele City	NE	Fillmore	796.733	796.737	0.004	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.004
Steele City	NE	Fillmore	796.737	796.822	0.085	NE059	Hastings silt loam, 1 to 3 percent slopes	0.085
Steele City	NE	Fillmore	796.822	796.883	0.061	NE059	Crete silt loam, 0 to 1 percent slopes	0.061
Steele City	NE	Fillmore	796.883	797.073	0.190	NE059	Butler silt loam, 0 to 1 percent slopes	0.190
Steele City	NE	Fillmore	797.148	797.221	0.073	NE059	Butler silt loam, 0 to 1 percent slopes	0.073
Steele City	NE	Fillmore	797.221	797.442	0.222	NE059	Crete silt loam, 0 to 1 percent slopes	0.222
Steele City	NE	Fillmore	797.525	797.560	0.036	NE059	Crete silt loam, 1 to 3 percent slopes	0.036
Steele City	NE	Fillmore	797.560	797.914	0.353	NE059	Crete silt loam, 0 to 1 percent slopes	0.353
Steele City	NE	Fillmore	797.914	798.196	0.282	NE059	Butler silt loam, 0 to 1 percent slopes	0.282
Steele City	NE	Fillmore	798.196	798.361	0.165	NE059	Crete silt loam, 0 to 1 percent slopes	0.165
Steele City	NE	Fillmore	798.361	798.570	0.209	NE059	Butler silt loam, 0 to 1 percent slopes	0.209
Steele City	NE	Fillmore	798.776	798.859	0.083	NE059	Crete silt loam, 0 to 1 percent slopes	0.083
Steele City	NE	Fillmore	799.040	799.081	0.042	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.042
Steele City	NE	Fillmore	799.165	799.258	0.093	NE059	Crete silt loam, 0 to 1 percent slopes	0.093
Steele City	NE	Fillmore	799.258	799.325	0.066	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.066

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	NE	Fillmore	799.467	799.600	0.133	NE059	Crete silt loam, 0 to 1 percent slopes	0.133
Steele City	NE	Fillmore	800.691	800.736	0.045	NE059	Crete silt loam, 0 to 1 percent slopes	0.045
Steele City	NE	Fillmore	800.775	800.884	0.109	NE059	Butler silt loam, 0 to 1 percent slopes	0.109
Steele City	NE	Fillmore	800.951	800.992	0.041	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.041
Steele City	NE	Fillmore	800.992	801.080	0.088	NE059	Crete silt loam, 1 to 3 percent slopes	0.088
Steele City	NE	Fillmore	801.080	801.428	0.348	NE059	Butler silt loam, 0 to 1 percent slopes	0.348
Steele City	NE	Fillmore	801.428	801.517	0.089	NE059	Crete silty clay loam, 1 to 3 percent slopes	0.089
Steele City	NE	Fillmore	801.517	801.613	0.096	NE059	Crete silt loam, 0 to 1 percent slopes	0.096
Steele City	NE	Fillmore	801.613	801.725	0.112	NE059	Crete silty clay loam, 1 to 3 percent slopes	0.112
Steele City	NE	Fillmore	801.725	801.899	0.174	NE059	Crete silt loam, 0 to 1 percent slopes	0.174
Steele City	NE	Fillmore	801.899	801.950	0.052	NE059	Crete silty clay loam, 1 to 3 percent slopes	0.052
Steele City	NE	Fillmore	801.950	802.023	0.073	NE059	Crete silt loam, 0 to 1 percent slopes	0.073
Steele City	NE	Fillmore	802.023	802.089	0.066	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.066
Steele City	NE	Fillmore	802.089	802.238	0.149	NE059	Crete silt loam, 0 to 1 percent slopes	0.149
Steele City	NE	Fillmore	802.238	802.284	0.046	NE059	Crete silty clay loam, 1 to 3 percent slopes	0.046
Steele City	NE	Fillmore	802.284	802.353	0.069	NE059	Crete silt loam, 0 to 1 percent slopes	0.069
Steele City	NE	Fillmore	802.353	802.460	0.106	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.106
Steele City	NE	Fillmore	802.460	802.571	0.111	NE059	Crete silt loam, 0 to 1 percent slopes	0.111
Steele City	NE	Fillmore	802.632	802.665	0.033	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.033
Steele City	NE	Fillmore	802.665	802.714	0.049	NE059	Crete silt loam, 0 to 1 percent slopes	0.049
Steele City	NE	Fillmore	802.714	802.856	0.142	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.142
Steele City	NE	Fillmore	802.856	803.110	0.255	NE059	Crete silt loam, 0 to 1 percent slopes	0.255
Steele City	NE	Fillmore	803.110	803.154	0.044	NE059	Butler silt loam, 0 to 1 percent slopes	0.044
Steele City	NE	Fillmore	803.154	803.235	0.081	NE059	Crete silt loam, 0 to 1 percent slopes	0.081
Steele City	NE	Fillmore	803.235	803.331	0.096	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.096
Steele City	NE	Fillmore	803.331	803.368	0.037	NE059	Crete silt loam, 0 to 1 percent slopes	0.037
Steele City	NE	Fillmore	803.468	803.495	0.027	NE059	Crete silt loam, 0 to 1 percent slopes	0.027
Steele City	NE	Fillmore	803.555	803.641	0.086	NE059	Crete silt loam, 0 to 1 percent slopes	0.086
Steele City	NE	Fillmore	803.734	803.744	0.010	NE059	Crete silt loam, 0 to 1 percent slopes	0.010
Steele City	NE	Fillmore	803.788	804.027	0.239	NE059	Crete silt loam, 0 to 1 percent slopes	0.239
Steele City	NE	Fillmore	804.100	804.148	0.048	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.048
Steele City	NE	Fillmore	804.148	804.340	0.191	NE059	Crete silt loam, 0 to 1 percent slopes	0.191
Steele City	NE	Fillmore	804.340	804.430	0.091	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.091
Steele City	NE	Fillmore	804.430	804.597	0.167	NE059	Crete silt loam, 0 to 1 percent slopes	0.167
Steele City	NE	Fillmore	804.597	804.632	0.035	NE059	Crete silt loam, 1 to 3 percent slopes	0.035
Steele City	NE	Fillmore	804.632	804.733	0.101	NE059	Crete silt loam, 0 to 1 percent slopes	0.101
Steele City	NE	Fillmore	804.733	804.840	0.108	NE059	Crete silt loam, 1 to 3 percent slopes	0.108
Steele City	NE	Fillmore	804.840	804.963	0.122	NE059	Crete silt loam, 0 to 1 percent slopes	0.122
Steele City	NE	Fillmore	804.963	805.116	0.153	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.153
Steele City	NE	Fillmore	805.116	805.273	0.157	NE059	Crete silt loam, 1 to 3 percent slopes	0.157
Steele City	NE	Fillmore	805.353	805.440	0.087	NE059	Crete silt loam, 1 to 3 percent slopes	0.087
Steele City	NE	Fillmore	805.440	805.656	0.216	NE059	Crete silt loam, 0 to 1 percent slopes	0.216
Steele City	NE	Fillmore	805.656	805.670	0.014	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.014
Steele City	NE	Fillmore	805.670	806.138	0.467	NE059	Crete silt loam, 0 to 1 percent slopes	0.467
Steele City	NE	Fillmore	806.138	806.225	0.088	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.088
Steele City	NE	Fillmore	806.508	806.545	0.036	NE059	Geary silty clay loam, 3 to 6 percent slopes, eroded	0.036
Steele City	NE	Fillmore	806.578	806.637	0.059	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.059
Steele City	NE	Fillmore	806.789	806.856	0.067	NE059	Muir silt loam, 1 to 3 percent slopes	0.067
Steele City	NE	Fillmore	806.856	807.067	0.210	NE059	Muir silt loam, 0 to 1 percent slopes	0.210
Steele City	NE	Fillmore	807.067	807.205	0.138	NE059	Butler silt loam, 0 to 1 percent slopes	0.138
Steele City	NE	Fillmore	807.205	807.380	0.175	NE059	Muir silt loam, 0 to 1 percent slopes	0.175
Steele City	NE	Fillmore	807.380	807.419	0.040	NE059	Muir silt loam, 3 to 6 percent slopes	0.040
Steele City	NE	Fillmore	807.419	807.459	0.040	NE059	Hobbs silt loam, 0 to 2 percent slopes	0.040
Steele City	NE	Fillmore	807.572	807.695	0.123	NE059	Muir silt loam, 0 to 1 percent slopes	0.123
Steele City	NE	Fillmore	807.893	807.967	0.074	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.074
Steele City	NE	Fillmore	807.967	808.178	0.211	NE059	Crete silt loam, 1 to 3 percent slopes	0.211
Steele City	NE	Saline	808.178	808.188	0.010	NE151	Crete silt loam, 1 to 3 percent slopes	0.010
Steele City	NE	Saline	808.254	808.390	0.136	NE151	Crete silt loam, 1 to 3 percent slopes	0.136
Steele City	NE	Saline	808.432	808.491	0.059	NE151	Crete silt loam, 1 to 3 percent slopes	0.059
Steele City	NE	Saline	808.607	808.705	0.098	NE151	Crete silt loam, 1 to 3 percent slopes	0.098
Steele City	NE	Saline	808.705	808.926	0.221	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.221
Steele City	NE	Saline	808.926	809.055	0.129	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.129
Steele City	NE	Saline	809.079	809.113	0.034	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.034
Steele City	NE	Saline	809.192	809.254	0.062	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.062
Steele City	NE	Saline	809.254	809.356	0.101	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.101
Steele City	NE	Saline	809.356	809.383	0.027	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.027
Steele City	NE	Saline	809.383	809.513	0.130	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.130
Steele City	NE	Saline	809.513	809.692	0.179	NE151	Crete silt loam, 1 to 3 percent slopes	0.179
Steele City	NE	Saline	809.692	809.974	0.282	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.282
Steele City	NE	Saline	809.974	809.987	0.013	NE151	Crete silt loam, 1 to 3 percent slopes	0.013
Steele City	NE	Saline	809.987	810.102	0.115	NE151	Crete silt loam, 0 to 1 percent slopes	0.115

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	NE	Saline	810.102	810.317	0.216	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.216
Steele City	NE	Saline	810.317	810.381	0.064	NE151	Crete silt loam, 1 to 3 percent slopes	0.064
Steele City	NE	Saline	810.381	810.523	0.142	NE151	Crete silt loam, 0 to 1 percent slopes	0.142
Steele City	NE	Saline	810.523	810.579	0.057	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.057
Steele City	NE	Saline	810.579	810.707	0.127	NE151	Crete silt loam, 0 to 1 percent slopes	0.127
Steele City	NE	Saline	810.707	810.907	0.200	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.200
Steele City	NE	Saline	810.907	810.971	0.064	NE151	Crete silt loam, 0 to 1 percent slopes	0.064
Steele City	NE	Saline	810.971	811.138	0.167	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.167
Steele City	NE	Saline	811.138	811.386	0.248	NE151	Crete silt loam, 0 to 1 percent slopes	0.248
Steele City	NE	Saline	811.386	811.568	0.182	NE151	Butler silt loam, 0 to 1 percent slopes	0.182
Steele City	NE	Saline	811.568	812.075	0.507	NE151	Crete silt loam, 0 to 1 percent slopes	0.507
Steele City	NE	Saline	812.075	812.170	0.095	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.095
Steele City	NE	Saline	812.170	812.349	0.180	NE151	Crete silt loam, 1 to 3 percent slopes	0.180
Steele City	NE	Saline	812.349	812.426	0.077	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.077
Steele City	NE	Saline	812.426	812.488	0.062	NE151	Crete silt loam, 0 to 1 percent slopes	0.062
Steele City	NE	Saline	812.488	812.708	0.220	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.220
Steele City	NE	Saline	812.708	812.850	0.141	NE151	Crete silt loam, 1 to 3 percent slopes	0.141
Steele City	NE	Saline	812.850	812.982	0.132	NE151	Crete silt loam, 0 to 1 percent slopes	0.132
Steele City	NE	Saline	812.982	813.018	0.036	NE151	Crete silt loam, 1 to 3 percent slopes	0.036
Steele City	NE	Saline	813.018	813.051	0.034	NE151	Crete silt loam, 0 to 1 percent slopes	0.034
Steele City	NE	Saline	813.051	813.093	0.042	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.042
Steele City	NE	Saline	813.093	813.164	0.071	NE151	Crete silt loam, 0 to 1 percent slopes	0.071
Steele City	NE	Saline	813.164	813.227	0.063	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.063
Steele City	NE	Saline	813.227	813.295	0.068	NE151	Crete silt loam, 1 to 3 percent slopes	0.068
Steele City	NE	Saline	813.295	813.382	0.087	NE151	Crete silt loam, 0 to 1 percent slopes	0.087
Steele City	NE	Saline	813.382	813.422	0.041	NE151	Crete silt loam, 1 to 3 percent slopes	0.041
Steele City	NE	Saline	813.422	813.463	0.040	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.040
Steele City	NE	Saline	813.463	813.511	0.048	NE151	Crete silt loam, 1 to 3 percent slopes	0.048
Steele City	NE	Saline	813.511	813.552	0.041	NE151	Crete silt loam, 0 to 1 percent slopes	0.041
Steele City	NE	Saline	813.552	813.582	0.030	NE151	Crete silt loam, 1 to 3 percent slopes	0.030
Steele City	NE	Saline	813.582	813.627	0.045	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.045
Steele City	NE	Saline	814.325	814.404	0.079	NE151	Burchard clay loam, 6 to 11 percent slopes, eroded	0.079
Steele City	NE	Saline	814.404	814.464	0.060	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.060
Steele City	NE	Saline	814.464	814.496	0.032	NE151	Burchard clay loam, 6 to 11 percent slopes, eroded	0.032
Steele City	NE	Saline	814.560	814.567	0.007	NE151	Burchard clay loam, 6 to 11 percent slopes, eroded	0.007
Steele City	NE	Saline	814.567	814.605	0.037	NE151	Malmo silty clay loam, 3 to 6 percent slopes, eroded	0.037
Steele City	NE	Saline	814.605	814.717	0.113	NE151	Crete silt loam, 1 to 3 percent slopes	0.113
Steele City	NE	Saline	814.717	814.746	0.029	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.029
Steele City	NE	Saline	814.810	814.920	0.110	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.110
Steele City	NE	Saline	814.920	815.030	0.110	NE151	Crete silt loam, 1 to 3 percent slopes	0.110
Steele City	NE	Saline	815.030	815.115	0.085	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.085
Steele City	NE	Saline	815.115	815.150	0.035	NE151	Burchard clay loam, 6 to 11 percent slopes	0.035
Steele City	NE	Saline	815.150	815.254	0.105	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.105
Steele City	NE	Saline	815.254	815.285	0.031	NE151	Burchard clay loam, 6 to 11 percent slopes	0.031
Steele City	NE	Saline	815.436	815.547	0.112	NE151	Malmo silty clay loam, 3 to 6 percent slopes, eroded	0.112
Steele City	NE	Saline	815.547	815.752	0.205	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.205
Steele City	NE	Saline	815.752	815.786	0.034	NE151	Crete silt loam, 1 to 3 percent slopes	0.034
Steele City	NE	Saline	815.786	815.854	0.068	NE151	Crete silt loam, 0 to 1 percent slopes	0.068
Steele City	NE	Saline	815.854	815.867	0.013	NE151	Crete silt loam, 1 to 3 percent slopes	0.013
Steele City	NE	Saline	815.867	816.168	0.301	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.301
Steele City	NE	Saline	816.168	816.230	0.062	NE151	Crete silt loam, 0 to 1 percent slopes	0.062
Steele City	NE	Saline	816.230	816.310	0.079	NE151	Crete silt loam, 1 to 3 percent slopes	0.079
Steele City	NE	Saline	816.310	816.332	0.023	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.023
Steele City	NE	Saline	816.332	816.460	0.128	NE151	Crete silt loam, 1 to 3 percent slopes	0.128
Steele City	NE	Saline	816.460	816.650	0.190	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.190
Steele City	NE	Saline	816.650	816.815	0.165	NE151	Crete silt loam, 1 to 3 percent slopes	0.165
Steele City	NE	Saline	816.815	816.862	0.047	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.047
Steele City	NE	Saline	816.862	817.052	0.190	NE151	Crete silt loam, 1 to 3 percent slopes	0.190
Steele City	NE	Saline	817.112	817.148	0.036	NE151	Crete silt loam, 0 to 1 percent slopes	0.036
Steele City	NE	Saline	817.177	817.247	0.070	NE151	Crete silt loam, 0 to 1 percent slopes	0.070
Steele City	NE	Saline	817.247	817.284	0.037	NE151	Butler silt loam, 0 to 1 percent slopes	0.037
Steele City	NE	Saline	817.284	817.454	0.170	NE151	Crete silt loam, 0 to 1 percent slopes	0.170
Steele City	NE	Saline	817.454	817.494	0.040	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.040
Steele City	NE	Saline	817.558	817.674	0.116	NE151	Hastings silt loam, 3 to 6 percent slopes	0.116
Steele City	NE	Saline	817.707	817.779	0.072	NE151	Hastings silt loam, 3 to 6 percent slopes	0.072
Steele City	NE	Saline	817.779	817.891	0.111	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.111
Steele City	NE	Saline	817.963	818.023	0.060	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.060
Steele City	NE	Saline	818.075	818.135	0.060	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.060
Steele City	NE	Saline	818.259	818.391	0.131	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.131
Steele City	NE	Saline	818.391	818.446	0.056	NE151	Crete silt loam, 1 to 3 percent slopes	0.056
Steele City	NE	Saline	818.446	818.512	0.065	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.065

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	NE	Saline	818.584	818.624	0.039	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.039
Steele City	NE	Saline	818.730	818.830	0.100	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.100
Steele City	NE	Saline	818.902	818.944	0.042	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.042
Steele City	NE	Saline	818.944	819.080	0.136	NE151	Crete silt loam, 0 to 1 percent slopes	0.136
Steele City	NE	Saline	819.080	819.115	0.035	NE151	Butler silt loam, 0 to 1 percent slopes	0.035
Steele City	NE	Saline	819.115	819.170	0.055	NE151	Crete silt loam, 0 to 1 percent slopes	0.055
Steele City	NE	Saline	819.170	819.333	0.163	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.163
Steele City	NE	Saline	819.333	819.412	0.080	NE151	Crete silt loam, 1 to 3 percent slopes	0.080
Steele City	NE	Saline	819.412	819.494	0.082	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.082
Steele City	NE	Saline	819.685	819.734	0.049	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.049
Steele City	NE	Saline	820.060	820.083	0.023	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.023
Steele City	NE	Saline	820.185	820.305	0.120	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.120
Steele City	NE	Saline	820.305	820.501	0.197	NE151	Crete silt loam, 1 to 3 percent slopes	0.197
Steele City	NE	Saline	820.501	820.716	0.215	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.215
Steele City	NE	Saline	820.768	820.858	0.090	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.090
Steele City	NE	Saline	820.858	820.862	0.004	NE151	Crete silt loam, 1 to 3 percent slopes	0.004
Steele City	NE	Saline	820.862	821.027	0.165	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.165
Steele City	NE	Saline	821.185	821.243	0.058	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.058
Steele City	NE	Saline	821.243	821.412	0.169	NE151	Crete silt loam, 1 to 3 percent slopes	0.169
Steele City	NE	Saline	821.412	821.552	0.140	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.140
Steele City	NE	Saline	821.552	821.612	0.060	NE151	Crete silt loam, 1 to 3 percent slopes	0.060
Steele City	NE	Saline	821.612	821.665	0.052	NE151	Crete silt loam, 0 to 1 percent slopes	0.052
Steele City	NE	Saline	821.665	821.710	0.045	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.045
Steele City	NE	Saline	821.710	821.739	0.029	NE151	Crete silt loam, 1 to 3 percent slopes	0.029
Steele City	NE	Saline	821.739	821.809	0.070	NE151	Crete silt loam, 0 to 1 percent slopes	0.070
Steele City	NE	Saline	821.809	822.084	0.275	NE151	Crete silt loam, 1 to 3 percent slopes	0.275
Steele City	NE	Saline	822.084	822.333	0.250	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.250
Steele City	NE	Saline	822.645	822.708	0.063	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.063
Steele City	NE	Saline	822.708	822.982	0.274	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.274
Steele City	NE	Saline	822.982	823.250	0.267	NE151	Crete silt loam, 1 to 3 percent slopes	0.267
Steele City	NE	Saline	823.250	823.461	0.211	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.211
Steele City	NE	Saline	823.461	823.511	0.050	NE151	Crete silt loam, 1 to 3 percent slopes	0.050
Steele City	NE	Saline	823.511	823.841	0.331	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.331
Steele City	NE	Saline	823.841	823.912	0.071	NE151	Longford silty clay loam, 3 to 6 percent slopes	0.071
Steele City	NE	Saline	823.912	823.960	0.047	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.047
Steele City	NE	Saline	824.000	824.049	0.049	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.049
Steele City	NE	Saline	824.049	824.068	0.019	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.019
Steele City	NE	Saline	824.068	824.098	0.030	NE151	Crete silt loam, 1 to 3 percent slopes	0.030
Steele City	NE	Saline	824.098	824.138	0.040	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.040
Steele City	NE	Saline	824.167	824.226	0.059	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.059
Steele City	NE	Saline	824.226	824.256	0.030	NE151	Crete silt loam, 1 to 3 percent slopes	0.030
Steele City	NE	Saline	824.256	824.350	0.094	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.094
Steele City	NE	Saline	824.350	824.444	0.093	NE151	Muir silt loam, 1 to 3 percent slopes	0.093
Steele City	NE	Saline	824.444	824.545	0.101	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.101
Steele City	NE	Saline	824.545	824.681	0.136	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.136
Steele City	NE	Saline	824.681	824.737	0.056	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.056
Steele City	NE	Saline	824.737	824.814	0.077	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.077
Steele City	NE	Saline	824.910	824.960	0.050	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.050
Steele City	NE	Jefferson	824.960	824.985	0.024	NE095	Geary silty clay loam, 3 to 7 percent slopes, eroded	0.024
Steele City	NE	Jefferson	824.985	825.214	0.230	NE095	Kennebec silt loam, rarely flooded, cool	0.230
Steele City	NE	Jefferson	825.231	825.265	0.034	NE095	Nodaway silt loam, occasionally flooded	0.034
Steele City	NE	Jefferson	825.265	825.321	0.056	NE095	Kennebec silt loam, rarely flooded, cool	0.056
Steele City	NE	Jefferson	825.321	825.452	0.130	NE095	Judson silt loam, 2 to 5 percent slopes	0.130
Steele City	NE	Jefferson	825.714	825.795	0.081	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.081
Steele City	NE	Jefferson	825.834	825.987	0.153	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.153
Steele City	NE	Jefferson	826.118	826.179	0.061	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.061
Steele City	NE	Jefferson	826.179	826.213	0.034	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.034
Steele City	NE	Jefferson	826.213	826.403	0.190	NE095	Crete silt loam, 0 to 1 percent slopes	0.190
Steele City	NE	Jefferson	826.403	826.425	0.022	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.022
Steele City	NE	Jefferson	826.425	826.486	0.061	NE095	Crete silt loam, 0 to 1 percent slopes	0.061
Steele City	NE	Jefferson	826.486	826.592	0.105	NE095	Crete silt loam, 1 to 3 percent slopes	0.105
Steele City	NE	Jefferson	826.592	826.672	0.080	NE095	Crete silt loam, 0 to 1 percent slopes	0.080
Steele City	NE	Jefferson	826.672	826.890	0.219	NE095	Crete silt loam, 1 to 3 percent slopes	0.219
Steele City	NE	Jefferson	826.890	826.969	0.079	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.079
Steele City	NE	Jefferson	827.332	827.370	0.038	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.038
Steele City	NE	Jefferson	827.535	827.584	0.049	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.049
Steele City	NE	Jefferson	827.584	827.673	0.089	NE095	Crete silt loam, 1 to 3 percent slopes	0.089
Steele City	NE	Jefferson	827.673	827.772	0.098	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.098
Steele City	NE	Jefferson	827.824	827.869	0.045	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.045
Steele City	NE	Jefferson	827.869	828.004	0.134	NE095	Crete silt loam, 1 to 3 percent slopes	0.134
Steele City	NE	Jefferson	828.004	828.102	0.098	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.098

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	NE	Jefferson	828.102	828.180	0.078	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.078
Steele City	NE	Jefferson	828.180	828.196	0.016	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.016
Steele City	NE	Jefferson	828.196	828.363	0.167	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.167
Steele City	NE	Jefferson	828.460	828.511	0.052	NE095	Judson silt loam, 2 to 5 percent slopes	0.052
Steele City	NE	Jefferson	828.564	828.709	0.145	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.145
Steele City	NE	Jefferson	828.767	828.801	0.033	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.033
Steele City	NE	Jefferson	828.969	829.006	0.037	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.037
Steele City	NE	Jefferson	829.006	829.083	0.077	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.077
Steele City	NE	Jefferson	829.083	829.311	0.228	NE095	Crete silt loam, 0 to 1 percent slopes	0.228
Steele City	NE	Jefferson	829.311	829.349	0.038	NE095	Crete silt loam, 1 to 3 percent slopes	0.038
Steele City	NE	Jefferson	829.349	829.432	0.083	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.083
Steele City	NE	Jefferson	829.432	829.503	0.072	NE095	Crete silt loam, 1 to 3 percent slopes	0.072
Steele City	NE	Jefferson	829.503	829.593	0.090	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.090
Steele City	NE	Jefferson	829.593	829.657	0.064	NE095	Crete silt loam, 1 to 3 percent slopes	0.064
Steele City	NE	Jefferson	829.657	829.725	0.068	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.068
Steele City	NE	Jefferson	829.725	829.770	0.045	NE095	Crete silt loam, 1 to 3 percent slopes	0.045
Steele City	NE	Jefferson	829.770	830.109	0.339	NE095	Crete silt loam, 0 to 1 percent slopes	0.339
Steele City	NE	Jefferson	830.109	830.249	0.140	NE095	Crete silt loam, 1 to 3 percent slopes	0.140
Steele City	NE	Jefferson	830.249	830.320	0.071	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.071
Steele City	NE	Jefferson	830.320	830.504	0.183	NE095	Crete silt loam, 1 to 3 percent slopes	0.183
Steele City	NE	Jefferson	830.504	830.563	0.059	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.059
Steele City	NE	Jefferson	830.563	830.599	0.036	NE095	Crete silt loam, 1 to 3 percent slopes	0.036
Steele City	NE	Jefferson	830.599	830.687	0.088	NE095	Crete silt loam, 0 to 1 percent slopes	0.088
Steele City	NE	Jefferson	830.687	830.738	0.051	NE095	Butler silt loam	0.051
Steele City	NE	Jefferson	830.738	830.976	0.238	NE095	Crete silt loam, 0 to 1 percent slopes	0.238
Steele City	NE	Jefferson	830.976	831.122	0.146	NE095	Crete silt loam, 1 to 3 percent slopes	0.146
Steele City	NE	Jefferson	831.122	831.160	0.038	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.038
Steele City	NE	Jefferson	831.160	831.226	0.066	NE095	Crete silt loam, 1 to 3 percent slopes	0.066
Steele City	NE	Jefferson	831.226	831.317	0.091	NE095	Crete silt loam, 0 to 1 percent slopes	0.091
Steele City	NE	Jefferson	831.317	831.412	0.095	NE095	Crete silt loam, 1 to 3 percent slopes	0.095
Steele City	NE	Jefferson	831.412	831.467	0.055	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.055
Steele City	NE	Jefferson	831.467	831.598	0.132	NE095	Crete silt loam, 1 to 3 percent slopes	0.132
Steele City	NE	Jefferson	831.598	831.661	0.063	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.063
Steele City	NE	Jefferson	831.723	831.798	0.075	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.075
Steele City	NE	Jefferson	831.798	831.872	0.074	NE095	Crete silt loam, 1 to 3 percent slopes	0.074
Steele City	NE	Jefferson	831.872	832.104	0.232	NE095	Crete silt loam, 0 to 1 percent slopes	0.232
Steele City	NE	Jefferson	832.104	832.157	0.053	NE095	Crete silt loam, 1 to 3 percent slopes	0.053
Steele City	NE	Jefferson	832.167	832.196	0.028	NE095	Crete silt loam, 1 to 3 percent slopes	0.028
Steele City	NE	Jefferson	832.196	832.324	0.128	NE095	Crete silt loam, 0 to 1 percent slopes	0.128
Steele City	NE	Jefferson	832.324	832.338	0.014	NE095	Crete silt loam, 1 to 3 percent slopes	0.014
Steele City	NE	Jefferson	832.338	832.526	0.188	NE095	Crete silt loam, 0 to 1 percent slopes	0.188
Steele City	NE	Jefferson	832.526	832.572	0.046	NE095	Crete silt loam, 1 to 3 percent slopes	0.046
Steele City	NE	Jefferson	832.572	832.631	0.059	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.059
Steele City	NE	Jefferson	832.778	832.850	0.072	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.072
Steele City	NE	Jefferson	832.850	832.896	0.046	NE095	Nodaway silt loam, occasionally flooded	0.046
Steele City	NE	Jefferson	832.896	832.915	0.019	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.019
Steele City	NE	Jefferson	832.915	832.962	0.047	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.047
Steele City	NE	Jefferson	832.962	833.006	0.044	NE095	Crete silt loam, 1 to 3 percent slopes	0.044
Steele City	NE	Jefferson	833.006	833.102	0.096	NE095	Crete silt loam, 0 to 1 percent slopes	0.096
Steele City	NE	Jefferson	833.102	833.393	0.291	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.291
Steele City	NE	Jefferson	833.393	833.502	0.109	NE095	Crete silt loam, 1 to 3 percent slopes	0.109
Steele City	NE	Jefferson	833.502	833.561	0.059	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.059
Steele City	NE	Jefferson	833.561	833.706	0.144	NE095	Crete silt loam, 1 to 3 percent slopes	0.144
Steele City	NE	Jefferson	833.706	833.839	0.134	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.134
Steele City	NE	Jefferson	833.839	833.887	0.048	NE095	Morrill clay loam, 3 to 7 percent slopes, eroded	0.048
Steele City	NE	Jefferson	833.934	833.964	0.030	NE095	Judson silt loam, 2 to 5 percent slopes	0.030
Steele City	NE	Jefferson	833.964	834.226	0.262	NE095	Kennebec silt loam, rarely flooded, cool	0.262
Steele City	NE	Jefferson	834.226	834.241	0.015	NE095	Nodaway silt loam, occasionally flooded	0.015
Steele City	NE	Jefferson	834.260	834.275	0.015	NE095	Nodaway silt loam, occasionally flooded	0.015
Steele City	NE	Jefferson	834.275	834.325	0.050	NE095	Kennebec silt loam, rarely flooded, cool	0.050
Steele City	NE	Jefferson	834.487	834.530	0.043	NE095	Burchard clay loam, 3 to 7 percent slopes	0.043
Steele City	NE	Jefferson	834.530	834.580	0.050	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.050
Steele City	NE	Jefferson	834.580	834.626	0.046	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.046
Steele City	NE	Jefferson	834.626	834.672	0.046	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.046
Steele City	NE	Jefferson	834.672	834.875	0.203	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.203
Steele City	NE	Jefferson	834.938	834.994	0.056	NE095	Judson silt loam, 2 to 5 percent slopes	0.056
Steele City	NE	Jefferson	835.125	835.171	0.046	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.046
Steele City	NE	Jefferson	835.171	835.245	0.074	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.074
Steele City	NE	Jefferson	835.245	835.460	0.215	NE095	Nodaway silt loam, occasionally flooded	0.215
Steele City	NE	Jefferson	835.460	835.464	0.005	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.005
Steele City	NE	Jefferson	835.464	835.592	0.128	NE095	Burchard clay loam, 3 to 7 percent slopes	0.128

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	NE	Jefferson	835.592	835.878	0.285	NE095	Nodaway silt loam, occasionally flooded	0.285
Steele City	NE	Jefferson	835.976	836.050	0.074	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.074
Steele City	NE	Jefferson	836.050	836.087	0.037	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.037
Steele City	NE	Jefferson	836.087	836.130	0.043	NE095	Crete silt loam, 1 to 3 percent slopes	0.043
Steele City	NE	Jefferson	836.130	836.160	0.029	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.029
Steele City	NE	Jefferson	836.160	836.311	0.152	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.152
Steele City	NE	Jefferson	836.311	836.376	0.065	NE095	Burchard clay loam, 7 to 11 percent slopes, severely eroded	0.065
Steele City	NE	Jefferson	836.376	836.399	0.023	NE095	Nodaway silt loam, occasionally flooded	0.023
Steele City	NE	Jefferson	836.421	836.482	0.060	NE095	Nodaway silt loam, occasionally flooded	0.060
Steele City	NE	Jefferson	836.501	836.517	0.016	NE095	Nodaway silt loam, occasionally flooded	0.016
Steele City	NE	Jefferson	836.517	836.579	0.061	NE095	Burchard clay loam, 7 to 11 percent slopes, severely eroded	0.061
Steele City	NE	Jefferson	836.579	836.710	0.131	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.131
Steele City	NE	Jefferson	836.710	836.729	0.020	NE095	Burchard clay loam, 7 to 11 percent slopes, severely eroded	0.020
Steele City	NE	Jefferson	836.729	836.790	0.060	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.060
Steele City	NE	Jefferson	836.790	837.014	0.225	NE095	Burchard clay loam, 7 to 11 percent slopes, severely eroded	0.225
Steele City	NE	Jefferson	837.014	837.086	0.072	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.072
Steele City	NE	Jefferson	837.086	837.211	0.125	NE095	Crete silt loam, 1 to 3 percent slopes	0.125
Steele City	NE	Jefferson	837.211	837.316	0.104	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.104
Steele City	NE	Jefferson	837.316	837.448	0.133	NE095	Crete silt loam, 0 to 1 percent slopes	0.133
Steele City	NE	Jefferson	837.448	837.502	0.053	NE095	Butler silt loam	0.053
Steele City	NE	Jefferson	837.502	837.552	0.050	NE095	Crete silt loam, 1 to 3 percent slopes	0.050
Steele City	NE	Jefferson	837.619	837.672	0.053	NE095	Crete silt loam, 0 to 1 percent slopes	0.053
Steele City	NE	Jefferson	837.791	837.848	0.057	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.057
Steele City	NE	Jefferson	837.848	837.966	0.118	NE095	Crete silt loam, 1 to 3 percent slopes	0.118
Steele City	NE	Jefferson	837.966	838.241	0.275	NE095	Crete silt loam, 0 to 1 percent slopes	0.275
Steele City	NE	Jefferson	838.241	838.334	0.093	NE095	Crete silt loam, 1 to 3 percent slopes	0.093
Steele City	NE	Jefferson	838.334	838.736	0.402	NE095	Crete silt loam, 0 to 1 percent slopes	0.402
Steele City	NE	Jefferson	838.736	838.803	0.067	NE095	Crete silt loam, 1 to 3 percent slopes	0.067
Steele City	NE	Jefferson	838.803	838.919	0.116	NE095	Crete silt loam, 0 to 1 percent slopes	0.116
Steele City	NE	Jefferson	838.919	838.981	0.062	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.062
Steele City	NE	Jefferson	838.981	839.184	0.203	NE095	Crete silt loam, 0 to 1 percent slopes	0.203
Steele City	NE	Jefferson	839.184	839.317	0.133	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.133
Steele City	NE	Jefferson	839.317	839.351	0.034	NE095	Crete silt loam, 1 to 3 percent slopes	0.034
Steele City	NE	Jefferson	839.351	839.429	0.078	NE095	Crete silt loam, 0 to 1 percent slopes	0.078
Steele City	NE	Jefferson	839.429	839.511	0.082	NE095	Crete silt loam, 1 to 3 percent slopes	0.082
Steele City	NE	Jefferson	839.511	839.593	0.082	NE095	Burchard clay loam, 7 to 11 percent slopes	0.082
Steele City	NE	Jefferson	839.593	839.716	0.123	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.123
Steele City	NE	Jefferson	839.716	839.786	0.070	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.070
Steele City	NE	Jefferson	839.786	839.908	0.122	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.122
Steele City	NE	Jefferson	839.908	840.011	0.102	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.102
Steele City	NE	Jefferson	840.011	840.065	0.054	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.054
Steele City	NE	Jefferson	840.065	840.131	0.066	NE095	Crete silt loam, 1 to 3 percent slopes	0.066
Steele City	NE	Jefferson	840.131	840.347	0.216	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.216
Steele City	NE	Jefferson	840.347	840.383	0.036	NE095	Crete silt loam, 1 to 3 percent slopes	0.036
Steele City	NE	Jefferson	840.383	840.474	0.090	NE095	Crete silt loam, 0 to 1 percent slopes	0.090
Steele City	NE	Jefferson	840.474	840.503	0.029	NE095	Crete silt loam, 1 to 3 percent slopes	0.029
Steele City	NE	Jefferson	840.503	840.602	0.099	NE095	Crete silt loam, 0 to 1 percent slopes	0.099
Steele City	NE	Jefferson	840.602	840.624	0.022	NE095	Crete silt loam, 1 to 3 percent slopes	0.022
Steele City	NE	Jefferson	840.642	840.691	0.049	NE095	Crete silt loam, 1 to 3 percent slopes	0.049
Steele City	NE	Jefferson	840.691	840.726	0.035	NE095	Crete silt loam, 0 to 1 percent slopes	0.035
Steele City	NE	Jefferson	840.726	840.771	0.044	NE095	Crete silt loam, 1 to 3 percent slopes	0.044
Steele City	NE	Jefferson	840.813	840.916	0.104	NE095	Crete silt loam, 1 to 3 percent slopes	0.104
Steele City	NE	Jefferson	840.916	840.996	0.079	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.079
Steele City	NE	Jefferson	840.996	841.063	0.067	NE095	Crete silt loam, 1 to 3 percent slopes	0.067
Steele City	NE	Jefferson	841.063	841.176	0.113	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.113
Steele City	NE	Jefferson	841.176	841.389	0.213	NE095	Crete silt loam, 1 to 3 percent slopes	0.213
Steele City	NE	Jefferson	841.389	841.480	0.091	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.091
Steele City	NE	Jefferson	841.480	841.670	0.190	NE095	Crete silt loam, 1 to 3 percent slopes	0.190
Steele City	NE	Jefferson	841.670	841.887	0.217	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.217
Steele City	NE	Jefferson	841.887	841.956	0.068	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.068
Steele City	NE	Jefferson	841.956	842.017	0.061	NE095	Nodaway silt loam, occasionally flooded	0.061
Steele City	NE	Jefferson	842.017	842.056	0.039	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.039
Steele City	NE	Jefferson	842.217	842.240	0.023	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.023
Steele City	NE	Jefferson	842.240	842.325	0.085	NE095	Crete silt loam, 1 to 3 percent slopes	0.085
Steele City	NE	Jefferson	842.325	842.487	0.161	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.161
Steele City	NE	Jefferson	842.663	842.778	0.115	NE095	Crete silt loam, 1 to 3 percent slopes	0.115
Steele City	NE	Jefferson	842.778	843.103	0.325	NE095	Crete silt loam, 0 to 1 percent slopes	0.325

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Steele City	NE	Jefferson	843.103	843.351	0.249	NE095	Crete silt loam, 1 to 3 percent slopes	0.249
Steele City	NE	Jefferson	843.351	843.481	0.130	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.130
Steele City	NE	Jefferson	843.520	843.763	0.243	NE095	Nodaway silt loam, occasionally flooded	0.243
Steele City	NE	Jefferson	843.873	843.898	0.025	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.025
Steele City	NE	Jefferson	843.922	844.011	0.090	NE095	Nodaway silt loam, occasionally flooded	0.090
Steele City	NE	Jefferson	844.011	844.059	0.048	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.048
Steele City	NE	Jefferson	844.059	844.266	0.207	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.207
Steele City	NE	Jefferson	844.266	844.335	0.069	NE095	Crete silt loam, 1 to 3 percent slopes	0.069
Steele City	NE	Jefferson	844.335	844.940	0.605	NE095	Crete silt loam, 0 to 1 percent slopes	0.605
Steele City	NE	Jefferson	844.940	844.991	0.051	NE095	Crete silt loam, 1 to 3 percent slopes	0.051
Steele City	NE	Jefferson	844.991	845.208	0.217	NE095	Crete silt loam, 0 to 1 percent slopes	0.217
Steele City	NE	Jefferson	845.208	845.476	0.268	NE095	Crete silt loam, 1 to 3 percent slopes	0.268
Steele City	NE	Jefferson	845.476	845.585	0.109	NE095	Crete silt loam, 0 to 1 percent slopes	0.109
Steele City	NE	Jefferson	845.585	845.639	0.053	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.053
Steele City	NE	Jefferson	845.694	845.755	0.060	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.060
Steele City	NE	Jefferson	845.755	845.841	0.086	NE095	Crete silt loam, 0 to 1 percent slopes	0.086
Steele City	NE	Jefferson	845.841	846.091	0.250	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.250
Steele City	NE	Jefferson	846.091	846.266	0.175	NE095	Nodaway silt loam, occasionally flooded	0.175
Steele City	NE	Jefferson	846.328	846.447	0.119	NE095	Nodaway silt loam, occasionally flooded	0.119
Steele City	NE	Jefferson	846.518	846.608	0.090	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.090
Steele City	NE	Jefferson	846.608	846.675	0.067	NE095	Crete silt loam, 1 to 3 percent slopes	0.067
Steele City	NE	Jefferson	846.675	846.756	0.081	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.081
Steele City	NE	Jefferson	846.826	846.899	0.073	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.073
Steele City	NE	Jefferson	846.899	846.995	0.096	NE095	Crete silt loam, 1 to 3 percent slopes	0.096
Steele City	NE	Jefferson	846.995	847.072	0.076	NE095	Crete silt loam, 0 to 1 percent slopes	0.076
Steele City	NE	Jefferson	847.072	847.192	0.121	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.121
Steele City	NE	Jefferson	847.192	847.272	0.080	NE095	Crete silt loam, 1 to 3 percent slopes	0.080
Steele City	NE	Jefferson	847.272	847.325	0.052	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.052
Steele City	NE	Jefferson	847.488	847.577	0.089	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.089
Steele City	NE	Jefferson	847.648	847.866	0.217	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.217
Steele City	NE	Jefferson	847.939	848.006	0.067	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.067
Steele City	NE	Jefferson	848.006	848.131	0.125	NE095	Crete silt loam, 1 to 3 percent slopes	0.125
Steele City	NE	Jefferson	848.131	848.485	0.354	NE095	Crete silt loam, 0 to 1 percent slopes	0.354
Steele City	NE	Jefferson	848.485	848.603	0.118	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.118
Steele City	NE	Jefferson	848.603	848.649	0.045	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.045
Steele City	NE	Jefferson	848.659	848.745	0.086	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.086
Steele City	NE	Jefferson	849.724	850.215	0.491	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.491
Steele City	NE	Jefferson	850.545	850.655	0.110	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.110
Steele City	NE	Jefferson	850.681	850.726	0.045	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.045
GULF COAST SEGMENT								
Gulf Coast	OK	Lincoln	1.015	1.039	0.0245	OK081	Easpur loam, 0 to 1 percent slopes, occasionally flooded	0.025
Gulf Coast	OK	Lincoln	1.115	1.295	0.1795	OK081	Easpur loam, 0 to 1 percent slopes, occasionally flooded	0.180
Gulf Coast	OK	Lincoln	1.730	1.866	0.1363	OK081	Stephenville fine sandy loam, 1 to 3 percent slopes	0.136
Gulf Coast	OK	Lincoln	2.214	2.431	0.2174	OK081	Zaneis loam, 3 to 5 percent slopes	0.217
Gulf Coast	OK	Lincoln	2.431	2.529	0.0978	OK081	Lawrie silt loam, 0 to 1 percent slopes, rarely flooded	0.098
Gulf Coast	OK	Lincoln	2.648	2.735	0.0864	OK081	Stephenville fine sandy loam, 3 to 5 percent slopes	0.086
Gulf Coast	OK	Lincoln	3.262	3.333	0.0703	OK081	Lawrie silt loam, 0 to 1 percent slopes, rarely flooded	0.070
Gulf Coast	OK	Lincoln	3.387	3.404	0.0166	OK081	Lawrie silt loam, 0 to 1 percent slopes, rarely flooded	0.017
Gulf Coast	OK	Lincoln	3.456	3.599	0.1436	OK081	Lawrie silt loam, 0 to 1 percent slopes, rarely flooded	0.144
Gulf Coast	OK	Lincoln	3.970	4.103	0.1336	OK081	Coyle loam, 3 to 5 percent slopes	0.134
Gulf Coast	OK	Lincoln	7.862	7.921	0.0598	OK081	Lawrie silt loam, 0 to 1 percent slopes, rarely flooded	0.060
Gulf Coast	OK	Lincoln	7.973	8.022	0.0486	OK081	Coyle loam, 3 to 5 percent slopes	0.049
Gulf Coast	OK	Lincoln	8.111	8.222	0.1113	OK081	Coyle loam, 3 to 5 percent slopes	0.111
Gulf Coast	OK	Lincoln	13.500	13.513	0.0131	OK081	Stephenville fine sandy loam, 3 to 5 percent slopes	0.013
Gulf Coast	OK	Lincoln	13.901	13.982	0.0809	OK081	Teller loam, 3 to 5 percent slopes	0.081
Gulf Coast	OK	Lincoln	13.982	14.147	0.1647	OK081	Lawrie silt loam, 0 to 1 percent slopes, rarely flooded	0.165
Gulf Coast	OK	Lincoln	14.498	14.521	0.0225	OK081	Stephenville fine sandy loam, 3 to 5 percent slopes	0.022
Gulf Coast	OK	Lincoln	15.033	15.310	0.2770	OK081	Stephenville fine sandy loam, 3 to 5 percent slopes	0.277
Gulf Coast	OK	Lincoln	16.524	16.545	0.0208	OK081	Stephenville fine sandy loam, 1 to 3 percent slopes	0.021
Gulf Coast	OK	Creek	17.419	17.996	0.5763	OK037	Dennis and Okemah soils, 1 to 3 percent slopes	0.519
Gulf Coast	OK	Creek	18.065	18.299	0.2338	OK037	Coyle fine sandy loam, 3 to 5 percent slopes	0.215
Gulf Coast	OK	Creek	18.299	18.466	0.1672	OK037	Coyle fine sandy loam, 1 to 3 percent slopes	0.150
Gulf Coast	OK	Creek	18.536	18.837	0.3007	OK037	Konawa and Gasil soils, 1 to 3 percent slopes	0.283
Gulf Coast	OK	Creek	18.837	18.960	0.1234	OK037	Konawa and Gasil soils, 3 to 5 percent slopes	0.116
Gulf Coast	OK	Creek	18.987	19.030	0.0429	OK037	Konawa and Gasil soils, 5 to 8 percent slopes	0.039
Gulf Coast	OK	Creek	19.231	19.299	0.0675	OK037	Stephenville-Darnell complex, 5 to 8 percent slopes	0.059
Gulf Coast	OK	Creek	19.299	19.496	0.1974	OK037	Konawa and Gasil soils, 5 to 8 percent slopes	0.182
Gulf Coast	OK	Creek	19.496	19.678	0.1822	OK037	Pulaski fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.173
Gulf Coast	OK	Creek	19.719	19.923	0.2034	OK037	Stephenville-Darnell complex, 3 to 5 percent slopes	0.179
Gulf Coast	OK	Creek	19.985	20.017	0.0323	OK037	Stephenville-Darnell complex, 3 to 5 percent slopes	0.028
Gulf Coast	OK	Creek	20.095	20.106	0.0113	OK037	Pulaski fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.011

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Gulf Coast	OK	Creek	20.512	20.608	0.0967	OK037	Stephenville-Darnell complex, 5 to 8 percent slopes	0.084
Gulf Coast	OK	Creek	21.384	21.451	0.0673	OK037	Dougherty and Stidham soils, 3 to 8 percent slopes	0.063
Gulf Coast	OK	Creek	21.462	21.579	0.1175	OK037	Port fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.105
Gulf Coast	OK	Creek	21.709	21.776	0.0669	OK037	Konawa and Gasil soils, 5 to 8 percent slopes	0.062
Gulf Coast	OK	Creek	21.809	21.826	0.0172	OK037	Konawa and Gasil soils, 5 to 8 percent slopes	0.016
Gulf Coast	OK	Okfuskee	23.176	23.224	0.0476	OK107	Teller fine sandy loam, 1 to 3 percent slopes	0.048
Gulf Coast	OK	Okfuskee	23.609	24.784	1.1747	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flood	1.175
Gulf Coast	OK	Okfuskee	25.485	25.547	0.0623	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flood	0.062
Gulf Coast	OK	Okfuskee	25.955	26.465	0.5100	OK107	Renfrow silt loam, 3 to 5 percent slopes	0.510
Gulf Coast	OK	Okfuskee	28.410	28.592	0.1821	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flood	0.182
Gulf Coast	OK	Okfuskee	28.794	28.928	0.1340	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flood	0.134
Gulf Coast	OK	Okfuskee	28.928	28.990	0.0624	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.062
Gulf Coast	OK	Okfuskee	29.056	29.272	0.2157	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.216
Gulf Coast	OK	Okfuskee	29.619	29.873	0.2533	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.253
Gulf Coast	OK	Okfuskee	30.084	30.124	0.0403	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.040
Gulf Coast	OK	Okfuskee	30.268	30.395	0.1268	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.127
Gulf Coast	OK	Okfuskee	30.395	30.455	0.0602	OK107	Teller fine sandy loam, 1 to 3 percent slopes	0.060
Gulf Coast	OK	Okfuskee	30.455	30.605	0.1501	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flood	0.150
Gulf Coast	OK	Okfuskee	30.674	30.874	0.2006	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flood	0.201
Gulf Coast	OK	Okfuskee	32.726	32.821	0.0945	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flood	0.094
Gulf Coast	OK	Okfuskee	33.183	33.473	0.2896	OK107	Chickasha loam, 1 to 3 percent slopes	0.290
Gulf Coast	OK	Okfuskee	33.633	33.733	0.1003	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flood	0.100
Gulf Coast	OK	Okfuskee	35.451	35.473	0.0226	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flood	0.023
Gulf Coast	OK	Okfuskee	36.069	36.397	0.3276	OK107	Renfrow silt loam, 3 to 5 percent slopes	0.328
Gulf Coast	OK	Okfuskee	36.397	36.463	0.0663	OK107	Galey fine sandy loam, 3 to 5 percent slopes	0.066
Gulf Coast	OK	Okfuskee	36.463	36.597	0.1336	OK107	Navina loam, 1 to 3 percent slopes	0.134
Gulf Coast	OK	Okfuskee	36.597	36.796	0.1991	OK107	Galey fine sandy loam, 3 to 5 percent slopes	0.199
Gulf Coast	OK	Okfuskee	36.796	37.030	0.2340	OK107	Navina loam, 1 to 3 percent slopes	0.234
Gulf Coast	OK	Okfuskee	37.030	37.103	0.0726	OK107	Galey fine sandy loam, 3 to 5 percent slopes	0.073
Gulf Coast	OK	Okfuskee	38.326	38.351	0.0248	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flood	0.025
Gulf Coast	OK	Okfuskee	38.373	38.698	0.3251	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flood	0.325
Gulf Coast	OK	Seminole	38.771	38.805	0.0335	OK133	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flood	0.033
Gulf Coast	OK	Seminole	38.805	38.917	0.1128	OK133	Keokuk silt loam, 0 to 1 percent slopes, rarely flooded	0.113
Gulf Coast	OK	Seminole	39.167	39.302	0.1348	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.135
Gulf Coast	OK	Seminole	39.314	39.383	0.0685	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.068
Gulf Coast	OK	Seminole	39.651	39.685	0.0332	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.033
Gulf Coast	OK	Seminole	39.727	39.795	0.0683	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.068
Gulf Coast	OK	Seminole	39.795	39.859	0.0641	OK133	Konawa fine sandy loam, 1 to 3 percent slopes	0.064
Gulf Coast	OK	Seminole	39.859	39.951	0.0915	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.092
Gulf Coast	OK	Seminole	39.951	40.004	0.0531	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.053
Gulf Coast	OK	Seminole	40.062	40.122	0.0598	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.060
Gulf Coast	OK	Seminole	40.248	40.323	0.0754	OK133	Dennis loam, 3 to 5 percent slopes	0.075
Gulf Coast	OK	Seminole	40.323	40.413	0.0900	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.090
Gulf Coast	OK	Seminole	40.524	40.561	0.0371	OK133	Dennis loam, 3 to 5 percent slopes	0.037
Gulf Coast	OK	Seminole	40.778	40.808	0.0298	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.030
Gulf Coast	OK	Seminole	40.857	40.887	0.0305	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.030
Gulf Coast	OK	Seminole	40.973	41.051	0.0780	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.078
Gulf Coast	OK	Seminole	41.051	41.105	0.0544	OK133	Dennis loam, 3 to 5 percent slopes	0.054
Gulf Coast	OK	Seminole	41.170	41.256	0.0861	OK133	Okemah silt loam, 1 to 3 percent slopes	0.086
Gulf Coast	OK	Seminole	41.256	41.453	0.1977	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.198
Gulf Coast	OK	Seminole	41.515	41.618	0.1030	OK133	Okemah silt loam, 1 to 3 percent slopes	0.103
Gulf Coast	OK	Seminole	41.618	41.674	0.0566	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.057
Gulf Coast	OK	Seminole	41.674	41.836	0.1615	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.161
Gulf Coast	OK	Seminole	42.133	42.340	0.2072	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.207
Gulf Coast	OK	Seminole	42.340	42.404	0.0640	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.064
Gulf Coast	OK	Seminole	42.404	42.457	0.0533	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.053
Gulf Coast	OK	Seminole	42.687	42.705	0.0181	OK133	Dennis loam, 3 to 5 percent slopes	0.018
Gulf Coast	OK	Seminole	42.705	42.724	0.0188	OK133	Bates-Coweta complex, 3 to 5 percent slopes	0.019
Gulf Coast	OK	Seminole	42.724	42.834	0.1096	OK133	Dennis loam, 3 to 5 percent slopes	0.110
Gulf Coast	OK	Seminole	42.834	42.882	0.0484	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.048
Gulf Coast	OK	Seminole	42.882	42.965	0.0826	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.083
Gulf Coast	OK	Seminole	42.965	43.042	0.0779	OK133	Stephenville fine sandy loam, 1 to 3 percent slopes	0.078
Gulf Coast	OK	Seminole	43.042	43.221	0.1782	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.178
Gulf Coast	OK	Seminole	43.263	43.360	0.0970	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.097
Gulf Coast	OK	Seminole	43.440	43.515	0.0750	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.075
Gulf Coast	OK	Seminole	43.515	43.657	0.1429	OK133	Pulaski fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.143
Gulf Coast	OK	Seminole	43.703	43.745	0.0421	OK133	Pulaski fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.042
Gulf Coast	OK	Seminole	44.229	44.482	0.2528	OK133	Stephenville fine sandy loam, 1 to 3 percent slopes	0.253
Gulf Coast	OK	Seminole	46.447	46.526	0.0789	OK133	Prue loam, 1 to 3 percent slopes	0.079
Gulf Coast	OK	Seminole	46.526	46.608	0.0816	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.082
Gulf Coast	OK	Seminole	46.657	46.800	0.1431	OK133	Prue loam, 1 to 3 percent slopes	0.143

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Gulf Coast	OK	Seminole	46.900	46.939	0.0386	OK133	Prue loam, 1 to 3 percent slopes	0.039
Gulf Coast	OK	Seminole	47.017	47.101	0.0840	OK133	Bates-Coweta complex, 3 to 5 percent slopes	0.084
Gulf Coast	OK	Seminole	47.101	47.176	0.0749	OK133	Bates loam, 1 to 3 percent slopes	0.075
Gulf Coast	OK	Seminole	47.176	47.414	0.2382	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.238
Gulf Coast	OK	Seminole	47.444	47.465	0.0203	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.020
Gulf Coast	OK	Seminole	47.523	47.624	0.1013	OK133	Bates loam, 3 to 5 percent slopes	0.101
Gulf Coast	OK	Seminole	47.624	47.689	0.0643	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.064
Gulf Coast	OK	Seminole	47.689	47.771	0.0827	OK133	Bates loam, 3 to 5 percent slopes	0.083
Gulf Coast	OK	Seminole	47.771	47.891	0.1200	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.120
Gulf Coast	OK	Seminole	48.000	48.031	0.0310	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.031
Gulf Coast	OK	Seminole	48.128	48.281	0.1534	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.153
Gulf Coast	OK	Seminole	48.963	49.018	0.0557	OK133	Bates loam, 1 to 3 percent slopes	0.056
Gulf Coast	OK	Seminole	49.076	49.186	0.1101	OK133	Bates loam, 3 to 5 percent slopes	0.110
Gulf Coast	OK	Seminole	49.379	49.405	0.0263	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.026
Gulf Coast	OK	Seminole	49.434	49.487	0.0534	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.053
Gulf Coast	OK	Seminole	49.487	49.506	0.0190	OK133	Okemah silt loam, 1 to 3 percent slopes	0.019
Gulf Coast	OK	Seminole	49.658	49.816	0.1577	OK133	Prue loam, 3 to 5 percent slopes	0.158
Gulf Coast	OK	Seminole	49.816	49.945	0.1291	OK133	Prue loam, 1 to 3 percent slopes	0.129
Gulf Coast	OK	Seminole	49.945	50.045	0.1006	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.101
Gulf Coast	OK	Seminole	50.083	50.138	0.0555	OK133	Bates loam, 3 to 5 percent slopes	0.055
Gulf Coast	OK	Seminole	50.195	50.214	0.0192	OK133	Okemah silt loam, 1 to 3 percent slopes	0.019
Gulf Coast	OK	Seminole	50.380	50.386	0.0061	OK133	Bates loam, 3 to 5 percent slopes	0.006
Gulf Coast	OK	Seminole	50.386	50.769	0.3829	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.383
Gulf Coast	OK	Seminole	50.769	50.966	0.1976	OK133	Okemah silt loam, 0 to 1 percent slopes	0.198
Gulf Coast	OK	Seminole	50.966	51.314	0.3478	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.348
Gulf Coast	OK	Seminole	51.314	51.617	0.3026	OK133	Okemah silt loam, 0 to 1 percent slopes	0.303
Gulf Coast	OK	Seminole	51.617	51.643	0.0263	OK133	Okemah silt loam, 1 to 3 percent slopes	0.026
Gulf Coast	OK	Seminole	51.643	52.126	0.4833	OK133	Dennis loam, 3 to 5 percent slopes	0.483
Gulf Coast	OK	Seminole	52.126	52.330	0.2039	OK133	Okemah silt loam, 1 to 3 percent slopes	0.204
Gulf Coast	OK	Seminole	52.330	52.573	0.2433	OK133	Dennis loam, 3 to 5 percent slopes	0.243
Gulf Coast	OK	Seminole	53.075	53.450	0.3756	OK133	Okemah silt loam, 1 to 3 percent slopes	0.376
Gulf Coast	OK	Seminole	53.450	53.489	0.0393	OK133	Bates loam, 1 to 3 percent slopes	0.039
Gulf Coast	OK	Seminole	53.528	53.528	0.0004	OK133	Okemah silt loam, 1 to 3 percent slopes	0.000
Gulf Coast	OK	Seminole	53.620	53.652	0.0321	OK133	Bates loam, 3 to 5 percent slopes	0.032
Gulf Coast	OK	Seminole	53.692	53.763	0.0706	OK133	Bates loam, 3 to 5 percent slopes	0.071
Gulf Coast	OK	Seminole	53.864	54.097	0.2333	OK133	Okemah silt loam, 1 to 3 percent slopes	0.233
Gulf Coast	OK	Seminole	54.097	54.192	0.0951	OK133	Dennis loam, 3 to 5 percent slopes	0.095
Gulf Coast	OK	Seminole	54.192	54.331	0.1391	OK133	Okemah silt loam, 1 to 3 percent slopes	0.139
Gulf Coast	OK	Seminole	54.331	54.535	0.2031	OK133	Bates loam, 1 to 3 percent slopes	0.203
Gulf Coast	OK	Seminole	54.535	54.643	0.1086	OK133	Dennis loam, 3 to 5 percent slopes	0.109
Gulf Coast	OK	Seminole	54.643	54.825	0.1813	OK133	Bates loam, 1 to 3 percent slopes	0.181
Gulf Coast	OK	Seminole	54.873	54.906	0.0324	OK133	Bates loam, 3 to 5 percent slopes	0.032
Gulf Coast	OK	Seminole	54.907	54.985	0.0784	OK133	Bates loam, 3 to 5 percent slopes	0.078
Gulf Coast	OK	Seminole	54.985	55.171	0.1856	OK133	Bates loam, 1 to 3 percent slopes	0.186
Gulf Coast	OK	Seminole	55.250	55.518	0.2683	OK133	Bates loam, 1 to 3 percent slopes	0.268
Gulf Coast	OK	Seminole	55.518	55.607	0.0893	OK133	Bates-Coweta complex, 3 to 5 percent slopes	0.089
Gulf Coast	OK	Seminole	55.806	56.059	0.2530	OK133	Prue loam, 3 to 5 percent slopes	0.253
Gulf Coast	OK	Seminole	56.059	56.106	0.0470	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.047
Gulf Coast	OK	Seminole	56.106	56.302	0.1959	OK133	Okemah silt loam, 1 to 3 percent slopes	0.196
Gulf Coast	OK	Seminole	56.302	56.379	0.0769	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.077
Gulf Coast	OK	Seminole	56.437	56.658	0.2205	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.221
Gulf Coast	OK	Seminole	56.658	56.860	0.2023	OK133	Bates-Coweta complex, 3 to 5 percent slopes	0.202
Gulf Coast	OK	Seminole	56.860	56.904	0.0437	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.044
Gulf Coast	OK	Seminole	56.904	56.908	0.0049	OK133	Bates-Coweta complex, 3 to 5 percent slopes	0.005
Gulf Coast	OK	Seminole	56.908	57.003	0.0941	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.094
Gulf Coast	OK	Seminole	57.003	57.193	0.1908	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.191
Gulf Coast	OK	Seminole	57.193	57.290	0.0963	OK133	Stephenville fine sandy loam, 1 to 3 percent slopes	0.096
Gulf Coast	OK	Seminole	57.290	57.675	0.3855	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.386
Gulf Coast	OK	Seminole	57.675	57.744	0.0690	OK133	Stephenville fine sandy loam, 1 to 3 percent slopes	0.069
Gulf Coast	OK	Seminole	58.309	58.654	0.3453	OK133	Ustibuck clay, 0 to 1 percent slopes, occasionally flooded	0.345
Gulf Coast	OK	Seminole	58.654	58.710	0.0554	OK133	Pulaski fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.055
Gulf Coast	OK	Seminole	58.710	58.751	0.0415	OK133	Ustibuck clay, 0 to 1 percent slopes, occasionally flooded	0.041
Gulf Coast	OK	Seminole	58.751	58.899	0.1474	OK133	Pulaski fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.147
Gulf Coast	OK	Seminole	58.899	59.054	0.1557	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.156
Gulf Coast	OK	Seminole	59.091	59.168	0.0769	OK133	Bates loam, 3 to 5 percent slopes	0.077
Gulf Coast	OK	Hughes	59.168	59.249	0.0812	OK063	Bates fine sandy loam, 3 to 5 percent slopes	0.081
Gulf Coast	OK	Hughes	59.416	59.551	0.1357	OK063	Dennis loam, 1 to 3 percent slopes	0.136
Gulf Coast	OK	Hughes	59.551	59.660	0.1083	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.105
Gulf Coast	OK	Hughes	59.725	59.843	0.1176	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.118
Gulf Coast	OK	Hughes	59.882	59.933	0.0508	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.051
Gulf Coast	OK	Hughes	59.954	60.639	0.6841	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.684

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Gulf Coast	OK	Hughes	60.639	60.660	0.0215	OK063	Kamie fine sandy loam, 1 to 3 percent slopes	0.021
Gulf Coast	OK	Hughes	60.737	60.796	0.0588	OK063	Kamie fine sandy loam, 1 to 3 percent slopes	0.059
Gulf Coast	OK	Hughes	61.022	61.375	0.3534	OK063	Dennis loam, 3 to 5 percent slopes	0.353
Gulf Coast	OK	Hughes	62.262	62.325	0.0629	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.061
Gulf Coast	OK	Hughes	62.325	62.357	0.0322	OK063	Dennis loam, 3 to 5 percent slopes	0.032
Gulf Coast	OK	Hughes	62.492	62.539	0.0466	OK063	Dennis loam, 3 to 5 percent slopes	0.047
Gulf Coast	OK	Hughes	62.742	62.773	0.0315	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.031
Gulf Coast	OK	Hughes	62.773	62.923	0.1495	OK063	Bates fine sandy loam, 3 to 5 percent slopes	0.150
Gulf Coast	OK	Hughes	63.327	63.490	0.1633	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.163
Gulf Coast	OK	Hughes	63.652	63.715	0.0626	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.063
Gulf Coast	OK	Hughes	63.946	64.217	0.2708	OK063	Dennis loam, 3 to 5 percent slopes	0.271
Gulf Coast	OK	Hughes	64.217	64.262	0.0446	OK063	Okemah-Pharoah complex, 1 to 3 percent slopes	0.045
Gulf Coast	OK	Hughes	64.262	64.340	0.0781	OK063	Dennis loam, 1 to 3 percent slopes	0.078
Gulf Coast	OK	Hughes	64.340	64.440	0.1005	OK063	Dennis loam, 3 to 5 percent slopes	0.101
Gulf Coast	OK	Hughes	64.440	64.508	0.0673	OK063	Okemah-Pharoah complex, 1 to 3 percent slopes	0.067
Gulf Coast	OK	Hughes	64.508	64.751	0.2434	OK063	Dennis loam, 1 to 3 percent slopes	0.243
Gulf Coast	OK	Hughes	64.992	65.030	0.0385	OK063	Dennis loam, 1 to 3 percent slopes	0.039
Gulf Coast	OK	Hughes	65.088	65.203	0.1146	OK063	Dennis loam, 1 to 3 percent slopes	0.115
Gulf Coast	OK	Hughes	65.418	65.465	0.0471	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.047
Gulf Coast	OK	Hughes	65.560	65.619	0.0584	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.057
Gulf Coast	OK	Hughes	65.672	65.978	0.3058	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.306
Gulf Coast	OK	Hughes	65.979	66.166	0.1865	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.186
Gulf Coast	OK	Hughes	66.301	66.479	0.1781	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.178
Gulf Coast	OK	Hughes	66.515	67.316	0.8011	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.801
Gulf Coast	OK	Hughes	67.377	67.428	0.0511	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.051
Gulf Coast	OK	Hughes	67.574	67.821	0.2470	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.247
Gulf Coast	OK	Hughes	67.888	68.351	0.4636	OK063	Clearview fine sandy loam, 1 to 3 percent slopes	0.464
Gulf Coast	OK	Hughes	68.351	68.364	0.0128	OK063	Dennis loam, 1 to 3 percent slopes	0.013
Gulf Coast	OK	Hughes	68.364	68.477	0.1128	OK063	Clearview fine sandy loam, 1 to 3 percent slopes	0.113
Gulf Coast	OK	Hughes	68.477	68.655	0.1782	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.178
Gulf Coast	OK	Hughes	68.655	68.841	0.1860	OK063	Stidham loamy fine sand, 0 to 2 percent slopes	0.186
Gulf Coast	OK	Hughes	69.271	69.345	0.0739	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.074
Gulf Coast	OK	Hughes	69.345	69.551	0.2059	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.206
Gulf Coast	OK	Hughes	69.820	69.854	0.0343	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.034
Gulf Coast	OK	Hughes	70.526	70.569	0.0428	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.043
Gulf Coast	OK	Hughes	71.379	71.572	0.1927	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.193
Gulf Coast	OK	Hughes	71.572	71.631	0.0587	OK063	Clearview fine sandy loam, 3 to 5 percent slopes	0.059
Gulf Coast	OK	Hughes	71.961	72.040	0.0786	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.079
Gulf Coast	OK	Hughes	72.051	72.162	0.1116	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.112
Gulf Coast	OK	Hughes	73.041	73.139	0.0980	OK063	Okay loam, 0 to 1 percent slopes	0.098
Gulf Coast	OK	Hughes	73.182	73.224	0.0421	OK063	Okay loam, 0 to 1 percent slopes	0.042
Gulf Coast	OK	Hughes	73.418	73.504	0.0860	OK063	Kamie fine sandy loam, 1 to 3 percent slopes	0.086
Gulf Coast	OK	Hughes	73.504	73.607	0.1027	OK063	Okay loam, 1 to 3 percent slopes	0.103
Gulf Coast	OK	Hughes	73.702	73.933	0.2314	OK063	Kamie fine sandy loam, 1 to 3 percent slopes	0.231
Gulf Coast	OK	Hughes	74.431	74.793	0.3623	OK063	Choska very fine sandy loam, 0 to 1 percent slopes, rarely flood	0.362
Gulf Coast	OK	Hughes	75.438	75.587	0.1490	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.149
Gulf Coast	OK	Hughes	75.620	75.640	0.0198	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.020
Gulf Coast	OK	Hughes	75.683	75.868	0.1849	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.185
Gulf Coast	OK	Hughes	75.952	76.020	0.0679	OK063	Choska very fine sandy loam, 0 to 1 percent slopes, rarely flood	0.068
Gulf Coast	OK	Hughes	76.057	76.137	0.0800	OK063	Choska very fine sandy loam, 0 to 1 percent slopes, rarely flood	0.080
Gulf Coast	OK	Hughes	76.137	76.182	0.0450	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.045
Gulf Coast	OK	Hughes	76.655	76.767	0.1129	OK063	Choska very fine sandy loam, 0 to 1 percent slopes, rarely flood	0.113
Gulf Coast	OK	Hughes	76.874	76.903	0.0283	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.028
Gulf Coast	OK	Hughes	77.015	77.150	0.1354	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.135
Gulf Coast	OK	Hughes	77.150	77.214	0.0639	OK063	Okay loam, 1 to 3 percent slopes	0.064
Gulf Coast	OK	Hughes	77.214	77.316	0.1020	OK063	Kamie fine sandy loam, 1 to 3 percent slopes	0.102
Gulf Coast	OK	Hughes	77.316	77.437	0.1207	OK063	Parsons silt loam, 0 to 1 percent slopes	0.121
Gulf Coast	OK	Hughes	77.437	77.537	0.0999	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.100
Gulf Coast	OK	Hughes	77.591	77.800	0.2091	OK063	Dennis loam, 1 to 3 percent slopes	0.209
Gulf Coast	OK	Hughes	77.928	78.153	0.2252	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.225
Gulf Coast	OK	Hughes	78.340	78.445	0.1051	OK063	Dennis loam, 1 to 3 percent slopes	0.105
Gulf Coast	OK	Hughes	78.538	78.591	0.0530	OK063	Parsons silt loam, 0 to 1 percent slopes	0.053
Gulf Coast	OK	Hughes	78.649	78.683	0.0342	OK063	Dennis loam, 1 to 3 percent slopes	0.034
Gulf Coast	OK	Hughes	78.833	78.933	0.1004	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.100
Gulf Coast	OK	Hughes	78.969	79.015	0.0467	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.047
Gulf Coast	OK	Hughes	79.038	79.144	0.1062	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.106
Gulf Coast	OK	Hughes	79.595	79.696	0.1003	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.100
Gulf Coast	OK	Hughes	79.759	79.876	0.1166	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.117
Gulf Coast	OK	Hughes	80.093	80.247	0.1532	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.153
Gulf Coast	OK	Hughes	80.299	80.352	0.0526	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.053
Gulf Coast	OK	Hughes	80.440	80.649	0.2091	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.209

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Gulf Coast	OK	Hughes	80.818	81.077	0.2589	OK063	Stidham loamy fine sand, 0 to 2 percent slopes	0.259
Gulf Coast	OK	Hughes	81.108	81.236	0.1279	OK063	Stidham loamy fine sand, 0 to 2 percent slopes	0.128
Gulf Coast	OK	Hughes	81.236	81.309	0.0727	OK063	Okay loam, 0 to 1 percent slopes	0.073
Gulf Coast	OK	Hughes	81.309	81.435	0.1265	OK063	Stidham loamy fine sand, 0 to 2 percent slopes	0.127
Gulf Coast	OK	Hughes	82.554	82.801	0.2467	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.247
Gulf Coast	OK	Hughes	83.312	83.330	0.0189	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.019
Gulf Coast	OK	Hughes	83.395	83.424	0.0288	OK063	Clearview fine sandy loam, 1 to 3 percent slopes	0.029
Gulf Coast	OK	Hughes	83.936	84.233	0.2971	OK063	Dennis loam, 3 to 5 percent slopes	0.297
Gulf Coast	OK	Hughes	84.233	84.267	0.0338	OK063	Bates fine sandy loam, 3 to 5 percent slopes	0.034
Gulf Coast	OK	Hughes	84.321	84.369	0.0477	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.046
Gulf Coast	OK	Hughes	84.401	84.580	0.1789	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.174
Gulf Coast	OK	Hughes	84.580	84.702	0.1222	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.122
Gulf Coast	OK	Hughes	84.963	85.071	0.1077	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.108
Gulf Coast	OK	Hughes	85.135	85.214	0.0797	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.080
Gulf Coast	OK	Hughes	85.216	85.504	0.2888	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.289
Gulf Coast	OK	Hughes	85.666	85.777	0.1112	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.108
Gulf Coast	OK	Hughes	85.782	85.846	0.0634	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.063
Gulf Coast	OK	Hughes	85.846	85.905	0.0588	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.057
Gulf Coast	OK	Hughes	85.951	86.180	0.2288	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.222
Gulf Coast	OK	Hughes	86.180	86.329	0.1493	OK063	Bates fine sandy loam, 3 to 5 percent slopes	0.149
Gulf Coast	OK	Hughes	86.530	86.547	0.0167	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.017
Gulf Coast	OK	Coal	86.784	87.145	0.3619	OK029	Kaufman silty clay, 0 to 1 percent slopes, occasionally flooded	0.326
Gulf Coast	OK	Coal	87.204	87.383	0.1793	OK029	Rexor loam, 0 to 1 percent slopes, occasionally flooded	0.170
Gulf Coast	OK	Coal	87.441	87.583	0.1418	OK029	Kaufman silty clay, 0 to 1 percent slopes, occasionally flooded	0.128
Gulf Coast	OK	Coal	87.583	87.602	0.0186	OK029	Bosville loam, 3 to 5 percent slopes	0.018
Gulf Coast	OK	Coal	87.602	87.770	0.1685	OK029	Steedman clay loam, 3 to 5 percent slopes	0.152
Gulf Coast	OK	Coal	89.980	90.039	0.0596	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.057
Gulf Coast	OK	Coal	90.195	90.221	0.0259	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.025
Gulf Coast	OK	Coal	90.364	90.571	0.2077	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.197
Gulf Coast	OK	Coal	90.571	90.654	0.0824	OK029	Clearview fine sandy loam, 1 to 3 percent slopes	0.078
Gulf Coast	OK	Coal	90.654	90.671	0.0167	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.016
Gulf Coast	OK	Coal	90.671	90.866	0.1951	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.185
Gulf Coast	OK	Coal	90.913	91.043	0.1304	OK029	Clearview fine sandy loam, 1 to 3 percent slopes	0.124
Gulf Coast	OK	Coal	91.633	91.752	0.1187	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.113
Gulf Coast	OK	Coal	91.839	91.900	0.0601	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.057
Gulf Coast	OK	Coal	92.170	92.176	0.0058	OK029	Dennis loam, 1 to 3 percent slopes	0.005
Gulf Coast	OK	Coal	92.234	92.284	0.0506	OK029	Dennis loam, 1 to 3 percent slopes	0.046
Gulf Coast	OK	Coal	92.481	92.526	0.0454	OK029	Dennis loam, 3 to 5 percent slopes	0.043
Gulf Coast	OK	Coal	92.757	92.788	0.0308	OK029	Bates fine sandy loam, 3 to 5 percent slopes	0.029
Gulf Coast	OK	Coal	93.065	93.164	0.0993	OK029	Steedman clay loam, 3 to 5 percent slopes	0.089
Gulf Coast	OK	Coal	93.329	93.370	0.0405	OK029	Steedman clay loam, 3 to 5 percent slopes	0.036
Gulf Coast	OK	Coal	93.370	93.525	0.1553	OK029	Dennis loam, 3 to 5 percent slopes	0.148
Gulf Coast	OK	Coal	94.109	94.219	0.1101	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.105
Gulf Coast	OK	Coal	94.471	94.518	0.0468	OK029	Bosville loam, 3 to 5 percent slopes	0.044
Gulf Coast	OK	Coal	94.686	94.785	0.0988	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.094
Gulf Coast	OK	Coal	95.070	95.128	0.0572	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.054
Gulf Coast	OK	Coal	95.674	95.744	0.0698	OK029	Dennis loam, 1 to 3 percent slopes	0.063
Gulf Coast	OK	Coal	95.948	96.094	0.1459	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.139
Gulf Coast	OK	Coal	96.273	96.349	0.0758	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.072
Gulf Coast	OK	Coal	96.645	96.693	0.0474	OK029	Steedman clay loam, 3 to 5 percent slopes	0.043
Gulf Coast	OK	Coal	96.693	96.766	0.0727	OK029	Dennis loam, 3 to 5 percent slopes	0.069
Gulf Coast	OK	Coal	96.766	96.819	0.0531	OK029	Steedman clay loam, 3 to 5 percent slopes	0.048
Gulf Coast	OK	Coal	97.715	97.772	0.0568	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.054
Gulf Coast	OK	Coal	97.772	97.794	0.0224	OK029	Parsons silt loam, 1 to 3 percent slopes	0.021
Gulf Coast	OK	Coal	97.794	97.970	0.1760	OK029	Steedman clay loam, 3 to 5 percent slopes	0.158
Gulf Coast	OK	Coal	98.023	98.072	0.0488	OK029	Steedman clay loam, 3 to 5 percent slopes	0.044
Gulf Coast	OK	Coal	98.072	98.173	0.1004	OK029	Dennis loam, 3 to 5 percent slopes	0.095
Gulf Coast	OK	Coal	98.173	98.271	0.0983	OK029	Parsons silt loam, 1 to 3 percent slopes	0.093
Gulf Coast	OK	Coal	99.309	99.361	0.0518	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.049
Gulf Coast	OK	Coal	99.436	99.514	0.0782	OK029	Lightning-Healdton complex, 0 to 1 percent slopes, occasionally	0.074
Gulf Coast	OK	Coal	99.729	99.877	0.1476	OK029	Parsons silt loam, 1 to 3 percent slopes	0.140
Gulf Coast	OK	Coal	99.905	99.950	0.0453	OK029	Parsons silt loam, 1 to 3 percent slopes	0.043
Gulf Coast	OK	Coal	99.996	100.009	0.0131	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.012
Gulf Coast	OK	Coal	100.313	100.389	0.0765	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.073
Gulf Coast	OK	Coal	100.710	100.964	0.2537	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.241
Gulf Coast	OK	Coal	101.570	101.679	0.1084	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.103
Gulf Coast	OK	Coal	101.679	101.853	0.1747	OK029	Dennis loam, 1 to 3 percent slopes	0.157
Gulf Coast	OK	Coal	101.906	102.004	0.0973	OK029	Bates fine sandy loam, 3 to 5 percent slopes	0.092
Gulf Coast	OK	Coal	102.004	102.025	0.0211	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.020
Gulf Coast	OK	Coal	103.635	103.772	0.1366	OK029	Steedman clay loam, 3 to 5 percent slopes	0.123
Gulf Coast	OK	Coal	104.174	104.227	0.0522	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.050

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Gulf Coast	OK	Coal	104.437	104.590	0.1527	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.145
Gulf Coast	OK	Coal	104.981	105.165	0.1837	OK029	Clearview fine sandy loam, 1 to 3 percent slopes	0.174
Gulf Coast	OK	Coal	105.165	105.216	0.0519	OK029	Dennis loam, 3 to 5 percent slopes	0.049
Gulf Coast	OK	Coal	105.374	105.430	0.0554	OK029	Clearview fine sandy loam, 1 to 3 percent slopes	0.053
Gulf Coast	OK	Coal	105.430	105.501	0.0708	OK029	Dennis loam, 3 to 5 percent slopes	0.067
Gulf Coast	OK	Coal	105.501	105.586	0.0855	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.081
Gulf Coast	OK	Coal	105.694	105.753	0.0581	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.055
Gulf Coast	OK	Coal	105.866	105.996	0.1299	OK029	Parsons silt loam, 1 to 3 percent slopes	0.123
Gulf Coast	OK	Coal	105.996	106.031	0.0351	OK029	Dennis loam, 1 to 3 percent slopes	0.032
Gulf Coast	OK	Coal	106.059	106.173	0.1132	OK029	Dennis loam, 1 to 3 percent slopes	0.102
Gulf Coast	OK	Coal	106.173	106.233	0.0605	OK029	Parsons silt loam, 1 to 3 percent slopes	0.057
Gulf Coast	OK	Coal	106.262	106.301	0.0389	OK029	Parsons silt loam, 1 to 3 percent slopes	0.037
Gulf Coast	OK	Coal	106.301	106.383	0.0823	OK029	Bates fine sandy loam, 3 to 5 percent slopes	0.078
Gulf Coast	OK	Coal	106.383	106.432	0.0485	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.046
Gulf Coast	OK	Coal	106.432	106.492	0.0609	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.058
Gulf Coast	OK	Coal	106.621	106.654	0.0328	OK029	Bates fine sandy loam, 3 to 5 percent slopes	0.031
Gulf Coast	OK	Coal	106.654	106.757	0.1038	OK029	Parsons silt loam, 1 to 3 percent slopes	0.099
Gulf Coast	OK	Coal	106.757	106.847	0.0894	OK029	Parsons silt loam, 0 to 1 percent slopes	0.076
Gulf Coast	OK	Coal	106.847	107.287	0.4399	OK029	Parsons silt loam, 1 to 3 percent slopes	0.418
Gulf Coast	OK	Coal	107.408	107.486	0.0783	OK029	Parsons silt loam, 1 to 3 percent slopes	0.074
Gulf Coast	OK	Coal	107.602	107.629	0.0268	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.025
Gulf Coast	OK	Coal	107.776	108.094	0.3187	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.303
Gulf Coast	OK	Coal	109.018	109.129	0.1103	OK029	Dennis loam, 1 to 3 percent slopes	0.099
Gulf Coast	OK	Coal	109.231	109.418	0.1870	OK029	Dennis loam, 1 to 3 percent slopes	0.168
Gulf Coast	OK	Coal	109.484	109.718	0.2339	OK029	Dennis loam, 1 to 3 percent slopes	0.211
Gulf Coast	OK	Coal	109.772	109.991	0.2190	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.208
Gulf Coast	OK	Coal	109.991	110.282	0.2908	OK029	Bates fine sandy loam, 3 to 5 percent slopes	0.276
Gulf Coast	OK	Coal	110.399	110.675	0.2764	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.263
Gulf Coast	OK	Coal	110.675	110.694	0.0183	OK029	Clearview fine sandy loam, 1 to 3 percent slopes	0.017
Gulf Coast	OK	Coal	110.694	110.740	0.0463	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.044
Gulf Coast	OK	Coal	110.962	111.017	0.0542	OK029	Rexor loam, 0 to 1 percent slopes, occasionally flooded	0.052
Gulf Coast	OK	Coal	111.177	111.393	0.2163	OK029	Dennis loam, 1 to 3 percent slopes	0.195
Gulf Coast	OK	Coal	111.436	111.495	0.0589	OK029	Parsons silt loam, 1 to 3 percent slopes	0.056
Gulf Coast	OK	Coal	112.029	112.269	0.2399	OK029	Parsons silt loam, 1 to 3 percent slopes	0.228
Gulf Coast	OK	Coal	112.269	112.318	0.0486	OK029	Parsons silt loam, 0 to 1 percent slopes	0.041
Gulf Coast	OK	Coal	112.318	112.714	0.3964	OK029	Parsons silt loam, 1 to 3 percent slopes	0.377
Gulf Coast	OK	Coal	112.741	112.856	0.1145	OK029	Parsons silt loam, 1 to 3 percent slopes	0.109
Gulf Coast	OK	Coal	112.856	112.941	0.0852	OK029	Dennis loam, 1 to 3 percent slopes	0.077
Gulf Coast	OK	Atoka	112.941	112.962	0.0212	OK005	Dennis loam, 1 to 3 percent slopes	0.021
Gulf Coast	OK	Atoka	112.962	113.189	0.2273	OK005	Parsons silt loam, 1 to 3 percent slopes	0.227
Gulf Coast	OK	Atoka	113.189	113.409	0.2200	OK005	Bates fine sandy loam, 1 to 3 percent slopes	0.220
Gulf Coast	OK	Atoka	113.409	113.804	0.3943	OK005	Dennis loam, 1 to 3 percent slopes	0.394
Gulf Coast	OK	Atoka	113.804	113.854	0.0506	OK005	Parsons silt loam, 1 to 3 percent slopes	0.051
Gulf Coast	OK	Atoka	113.854	113.891	0.0373	OK005	Dennis loam, 1 to 3 percent slopes	0.037
Gulf Coast	OK	Atoka	113.990	114.104	0.1140	OK005	Parsons silt loam, 1 to 3 percent slopes	0.114
Gulf Coast	OK	Atoka	114.104	114.185	0.0812	OK005	Eram clay loam, 3 to 5 percent slopes	0.081
Gulf Coast	OK	Atoka	114.185	114.296	0.1113	OK005	Parsons silt loam, 1 to 3 percent slopes	0.111
Gulf Coast	OK	Atoka	114.296	114.351	0.0545	OK005	Eram clay loam, 3 to 5 percent slopes	0.054
Gulf Coast	OK	Atoka	114.351	114.430	0.0797	OK005	Bates-Coweta complex, 3 to 5 percent slopes	0.080
Gulf Coast	OK	Atoka	114.430	114.557	0.1269	OK005	Eram clay loam, 3 to 5 percent slopes	0.127
Gulf Coast	OK	Atoka	114.623	114.651	0.0275	OK005	Parsons silt loam, 1 to 3 percent slopes	0.027
Gulf Coast	OK	Atoka	114.898	115.022	0.1236	OK005	Parsons silt loam, 1 to 3 percent slopes	0.124
Gulf Coast	OK	Atoka	115.072	115.467	0.3951	OK005	Dennis loam, 1 to 3 percent slopes	0.395
Gulf Coast	OK	Atoka	115.712	115.717	0.0057	OK005	Dennis loam, 1 to 3 percent slopes	0.006
Gulf Coast	OK	Atoka	115.959	116.026	0.0661	OK005	Bates-Coweta complex, 3 to 5 percent slopes	0.066
Gulf Coast	OK	Atoka	116.091	116.142	0.0507	OK005	Dennis loam, 1 to 3 percent slopes	0.051
Gulf Coast	OK	Atoka	116.142	116.232	0.0903	OK005	Parsons silt loam, 1 to 3 percent slopes	0.090
Gulf Coast	OK	Atoka	116.575	116.669	0.0943	OK005	Parsons silt loam, 1 to 3 percent slopes	0.094
Gulf Coast	OK	Atoka	116.669	116.714	0.0453	OK005	Dennis loam, 1 to 3 percent slopes	0.045
Gulf Coast	OK	Atoka	116.714	116.772	0.0576	OK005	Eram clay loam, 3 to 5 percent slopes	0.058
Gulf Coast	OK	Atoka	116.772	116.820	0.0479	OK005	Dennis loam, 1 to 3 percent slopes	0.048
Gulf Coast	OK	Atoka	116.820	116.852	0.0322	OK005	Eram clay loam, 3 to 5 percent slopes	0.032
Gulf Coast	OK	Atoka	116.951	116.967	0.0160	OK005	Dennis loam, 1 to 3 percent slopes	0.016
Gulf Coast	OK	Atoka	116.967	117.284	0.3163	OK005	Parsons silt loam, 1 to 3 percent slopes	0.316
Gulf Coast	OK	Atoka	117.736	117.797	0.0615	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.062
Gulf Coast	OK	Atoka	117.866	117.920	0.0540	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.054
Gulf Coast	OK	Atoka	117.979	118.100	0.1210	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.121
Gulf Coast	OK	Atoka	118.328	118.530	0.2027	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.203
Gulf Coast	OK	Atoka	118.717	118.734	0.0169	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.017
Gulf Coast	OK	Atoka	118.859	118.927	0.0671	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.067
Gulf Coast	OK	Atoka	118.927	119.085	0.1582	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.158

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Gulf Coast	OK	Atoka	119.085	119.153	0.0681	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.068
Gulf Coast	OK	Atoka	119.153	119.209	0.0565	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.057
Gulf Coast	OK	Atoka	119.209	119.414	0.2042	OK005	Stigler very fine sandy loam, 0 to 1 percent slopes	0.204
Gulf Coast	OK	Atoka	119.414	119.601	0.1877	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.188
Gulf Coast	OK	Atoka	119.601	119.774	0.1727	OK005	Bernow fine sandy loam, 0 to 1 percent slopes	0.173
Gulf Coast	OK	Atoka	119.774	120.060	0.2857	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.286
Gulf Coast	OK	Atoka	120.060	120.109	0.0494	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.049
Gulf Coast	OK	Atoka	120.109	120.268	0.1594	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.159
Gulf Coast	OK	Atoka	120.268	120.317	0.0487	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.049
Gulf Coast	OK	Atoka	120.317	120.495	0.1774	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.177
Gulf Coast	OK	Atoka	120.495	120.719	0.2248	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.225
Gulf Coast	OK	Atoka	120.759	120.784	0.0255	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.026
Gulf Coast	OK	Atoka	120.891	121.041	0.1500	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.150
Gulf Coast	OK	Atoka	121.099	121.148	0.0487	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.049
Gulf Coast	OK	Atoka	121.313	121.375	0.0618	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.062
Gulf Coast	OK	Atoka	121.375	121.419	0.0445	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.045
Gulf Coast	OK	Atoka	121.419	121.550	0.1305	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.130
Gulf Coast	OK	Atoka	121.651	121.722	0.0708	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.071
Gulf Coast	OK	Atoka	122.048	122.070	0.0220	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.022
Gulf Coast	OK	Atoka	122.807	122.960	0.1524	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally floode	0.152
Gulf Coast	OK	Atoka	123.046	123.068	0.0226	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.023
Gulf Coast	OK	Atoka	123.068	123.106	0.0374	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.037
Gulf Coast	OK	Atoka	123.106	123.310	0.2043	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.204
Gulf Coast	OK	Atoka	123.310	123.330	0.0199	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.020
Gulf Coast	OK	Atoka	123.330	123.430	0.1002	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.100
Gulf Coast	OK	Atoka	123.430	123.473	0.0429	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.043
Gulf Coast	OK	Atoka	123.587	123.696	0.1091	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.109
Gulf Coast	OK	Atoka	123.696	123.786	0.0899	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.090
Gulf Coast	OK	Atoka	124.028	124.089	0.0618	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.062
Gulf Coast	OK	Atoka	124.089	124.120	0.0310	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.031
Gulf Coast	OK	Atoka	124.120	124.141	0.0203	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.020
Gulf Coast	OK	Atoka	124.141	124.224	0.0831	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.083
Gulf Coast	OK	Atoka	124.333	124.469	0.1360	OK005	Bosville fine sandy loam, 3 to 5 percent slopes	0.136
Gulf Coast	OK	Atoka	124.485	124.600	0.1158	OK005	Bosville fine sandy loam, 3 to 5 percent slopes	0.116
Gulf Coast	OK	Atoka	124.709	124.764	0.0549	OK005	Bosville fine sandy loam, 3 to 5 percent slopes	0.055
Gulf Coast	OK	Atoka	124.764	124.836	0.0722	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.072
Gulf Coast	OK	Atoka	124.943	125.265	0.3222	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.322
Gulf Coast	OK	Atoka	125.265	125.433	0.1682	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.168
Gulf Coast	OK	Atoka	125.571	125.662	0.0910	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.091
Gulf Coast	OK	Atoka	125.662	125.838	0.1761	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.176
Gulf Coast	OK	Atoka	125.984	126.118	0.1340	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally floode	0.134
Gulf Coast	OK	Atoka	126.296	126.629	0.3328	OK005	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	0.333
Gulf Coast	OK	Atoka	126.629	126.676	0.0472	OK005	Gowton clay loam, 0 to 1 percent slopes, occasionally flooded	0.047
Gulf Coast	OK	Atoka	126.726	126.818	0.0919	OK005	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	0.092
Gulf Coast	OK	Atoka	126.941	126.969	0.0284	OK005	Gowton clay loam, 0 to 1 percent slopes, occasionally flooded	0.028
Gulf Coast	OK	Atoka	126.969	127.078	0.1091	OK005	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	0.109
Gulf Coast	OK	Atoka	127.116	127.152	0.0355	OK005	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	0.036
Gulf Coast	OK	Atoka	127.152	127.332	0.1798	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally floode	0.180
Gulf Coast	OK	Atoka	127.499	127.643	0.1441	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally floode	0.144
Gulf Coast	OK	Atoka	127.643	127.801	0.1583	OK005	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	0.158
Gulf Coast	OK	Atoka	127.924	128.084	0.1596	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally floode	0.160
Gulf Coast	OK	Atoka	128.797	128.843	0.0459	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.046
Gulf Coast	OK	Atoka	128.843	128.882	0.0387	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.039
Gulf Coast	OK	Atoka	129.722	129.746	0.0234	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.023
Gulf Coast	OK	Atoka	129.785	129.831	0.0457	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.046
Gulf Coast	OK	Atoka	129.831	129.894	0.0636	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.064
Gulf Coast	OK	Atoka	129.894	129.995	0.1009	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.101
Gulf Coast	OK	Atoka	129.995	130.003	0.0080	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.008
Gulf Coast	OK	Atoka	130.571	130.665	0.0946	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.095
Gulf Coast	OK	Atoka	130.737	130.804	0.0676	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.068
Gulf Coast	OK	Atoka	130.851	130.898	0.0474	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally floode	0.047
Gulf Coast	OK	Atoka	130.898	130.941	0.0425	OK005	Gowton clay loam, 0 to 1 percent slopes, occasionally flooded	0.043
Gulf Coast	OK	Atoka	130.991	131.156	0.1650	OK005	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.165
Gulf Coast	OK	Atoka	131.207	131.520	0.3135	OK005	Bosville fine sandy loam, 3 to 5 percent slopes	0.314
Gulf Coast	OK	Atoka	131.520	131.625	0.1047	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.105
Gulf Coast	OK	Atoka	132.043	132.045	0.0020	OK005	Durant loam, 1 to 3 percent slopes	0.002
Gulf Coast	OK	Atoka	132.376	132.483	0.1069	OK005	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.107
Gulf Coast	OK	Atoka	132.529	132.539	0.0093	OK005	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.009
Gulf Coast	OK	Atoka	132.634	132.709	0.0747	OK005	Heiden clay, 3 to 5 percent slopes	0.075
Gulf Coast	OK	Bryan	132.779	132.889	0.1105	OK013	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.110
Gulf Coast	OK	Bryan	133.116	133.449	0.3326	OK013	Burleson clay, 3 to 5 percent slopes	0.333

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Gulf Coast	OK	Bryan	134.287	134.346	0.0586	OK013	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.059
Gulf Coast	OK	Bryan	134.630	134.717	0.0866	OK013	Burleson clay, 1 to 3 percent slopes	0.087
Gulf Coast	OK	Bryan	135.035	135.047	0.0120	OK013	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.012
Gulf Coast	OK	Bryan	135.284	135.589	0.3041	OK013	Burleson clay, 1 to 3 percent slopes	0.304
Gulf Coast	OK	Bryan	136.674	136.734	0.0603	OK013	Frioton silty clay loam, 0 to 1 percent slopes, occasionally floode	0.060
Gulf Coast	OK	Bryan	137.051	137.197	0.1467	OK013	Burleson clay, 1 to 3 percent slopes	0.147
Gulf Coast	OK	Bryan	137.328	137.451	0.1228	OK013	Burleson clay, 1 to 3 percent slopes	0.123
Gulf Coast	OK	Bryan	137.679	137.724	0.0444	OK013	Heiden clay, 3 to 5 percent slopes	0.044
Gulf Coast	OK	Bryan	137.724	137.772	0.0486	OK013	Frioton silty clay loam, 0 to 1 percent slopes, occasionally floode	0.049
Gulf Coast	OK	Bryan	138.245	138.457	0.2118	OK013	Durant loam, 3 to 5 percent slopes	0.212
Gulf Coast	OK	Bryan	138.585	138.765	0.1795	OK013	Durant loam, 3 to 5 percent slopes	0.179
Gulf Coast	OK	Bryan	138.941	138.963	0.0225	OK013	Dennis loam, 1 to 3 percent slopes	0.023
Gulf Coast	OK	Bryan	139.060	139.259	0.1993	OK013	Durant loam, 3 to 5 percent slopes	0.199
Gulf Coast	OK	Bryan	139.259	139.312	0.0526	OK013	Frioton silty clay loam, 0 to 1 percent slopes, occasionally floode	0.053
Gulf Coast	OK	Bryan	139.377	139.646	0.2691	OK013	Dennis loam, 1 to 3 percent slopes	0.269
Gulf Coast	OK	Bryan	139.697	139.697	0.0002	OK013	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.000
Gulf Coast	OK	Bryan	139.697	139.819	0.1222	OK013	Dennis loam, 1 to 3 percent slopes	0.122
Gulf Coast	OK	Bryan	139.819	139.820	0.0010	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.001
Gulf Coast	OK	Bryan	139.820	139.822	0.0018	OK013	Dennis loam, 1 to 3 percent slopes	0.002
Gulf Coast	OK	Bryan	139.822	139.875	0.0528	OK013	Bosville fine sandy loam, 3 to 5 percent slopes	0.053
Gulf Coast	OK	Bryan	139.910	140.042	0.1325	OK013	Bernow-Romia complex, 3 to 8 percent slopes	0.133
Gulf Coast	OK	Bryan	140.120	140.434	0.3141	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.314
Gulf Coast	OK	Bryan	140.434	140.504	0.0699	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.070
Gulf Coast	OK	Bryan	140.504	140.567	0.0624	OK013	Bosville fine sandy loam, 3 to 5 percent slopes	0.062
Gulf Coast	OK	Bryan	140.567	140.617	0.0507	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.051
Gulf Coast	OK	Bryan	140.617	140.722	0.1046	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.105
Gulf Coast	OK	Bryan	141.072	141.102	0.0305	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.030
Gulf Coast	OK	Bryan	141.102	141.147	0.0441	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.044
Gulf Coast	OK	Bryan	141.402	141.454	0.0520	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.052
Gulf Coast	OK	Bryan	141.527	141.642	0.1146	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.115
Gulf Coast	OK	Bryan	141.642	141.735	0.0928	OK013	Bernow fine sandy loam, 5 to 8 percent slopes	0.093
Gulf Coast	OK	Bryan	141.735	141.972	0.2372	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.237
Gulf Coast	OK	Bryan	141.972	142.272	0.3001	OK013	Dennis loam, 1 to 3 percent slopes	0.300
Gulf Coast	OK	Bryan	142.712	142.785	0.0727	OK013	Dennis loam, 3 to 5 percent slopes	0.073
Gulf Coast	OK	Bryan	142.785	143.025	0.2408	OK013	Durant loam, 1 to 3 percent slopes	0.241
Gulf Coast	OK	Bryan	143.025	143.041	0.0156	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.016
Gulf Coast	OK	Bryan	143.041	143.059	0.0177	OK013	Dennis loam, 1 to 3 percent slopes	0.018
Gulf Coast	OK	Bryan	143.119	143.155	0.0356	OK013	Dennis loam, 1 to 3 percent slopes	0.036
Gulf Coast	OK	Bryan	143.155	143.259	0.1038	OK013	Dennis loam, 3 to 5 percent slopes	0.104
Gulf Coast	OK	Bryan	143.355	143.474	0.1187	OK013	Dennis loam, 3 to 5 percent slopes	0.119
Gulf Coast	OK	Bryan	143.552	143.657	0.1054	OK013	Dennis loam, 3 to 5 percent slopes	0.105
Gulf Coast	OK	Bryan	143.736	143.855	0.1188	OK013	Bates fine sandy loam, 1 to 3 percent slopes	0.119
Gulf Coast	OK	Bryan	143.855	143.879	0.0247	OK013	Dennis loam, 3 to 5 percent slopes	0.025
Gulf Coast	OK	Bryan	143.879	143.921	0.0418	OK013	Durant loam, 1 to 3 percent slopes	0.042
Gulf Coast	OK	Bryan	144.011	144.084	0.0734	OK013	Matoy silty clay loam, 1 to 3 percent slopes	0.073
Gulf Coast	OK	Bryan	144.084	144.176	0.0918	OK013	Dennis loam, 1 to 3 percent slopes	0.092
Gulf Coast	OK	Bryan	144.176	144.379	0.2030	OK013	Heiden clay, 3 to 5 percent slopes	0.203
Gulf Coast	OK	Bryan	144.379	144.485	0.1062	OK013	Dennis loam, 1 to 3 percent slopes	0.106
Gulf Coast	OK	Bryan	144.485	144.490	0.0051	OK013	Dennis loam, 3 to 5 percent slopes	0.005
Gulf Coast	OK	Bryan	144.490	144.575	0.0843	OK013	Bosville fine sandy loam, 3 to 5 percent slopes	0.084
Gulf Coast	OK	Bryan	144.593	144.689	0.0967	OK013	Bosville fine sandy loam, 3 to 5 percent slopes	0.097
Gulf Coast	OK	Bryan	144.689	144.765	0.0762	OK013	Bernow-Romia complex, 3 to 8 percent slopes	0.076
Gulf Coast	OK	Bryan	144.765	144.812	0.0465	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.046
Gulf Coast	OK	Bryan	144.812	144.871	0.0592	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.059
Gulf Coast	OK	Bryan	144.871	144.951	0.0799	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.080
Gulf Coast	OK	Bryan	144.951	145.018	0.0669	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.067
Gulf Coast	OK	Bryan	145.018	145.067	0.0492	OK013	Bosville fine sandy loam, 3 to 5 percent slopes	0.049
Gulf Coast	OK	Bryan	145.067	145.139	0.0716	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.072
Gulf Coast	OK	Bryan	145.139	145.177	0.0381	OK013	Bosville fine sandy loam, 3 to 5 percent slopes	0.038
Gulf Coast	OK	Bryan	145.177	145.416	0.2396	OK013	Verdigris silty clay loam, 0 to 1 percent slopes, occasionally floo	0.240
Gulf Coast	OK	Bryan	145.416	145.476	0.0595	OK013	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.059
Gulf Coast	OK	Bryan	145.630	145.689	0.0583	OK013	Bernow-Romia complex, 3 to 8 percent slopes	0.058
Gulf Coast	OK	Bryan	145.774	145.833	0.0589	OK013	Bernow-Romia complex, 3 to 8 percent slopes	0.059
Gulf Coast	OK	Bryan	145.833	145.865	0.0318	OK013	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.032
Gulf Coast	OK	Bryan	145.953	146.133	0.1798	OK013	Bernow loamy fine sand, 3 to 8 percent slopes	0.180
Gulf Coast	OK	Bryan	146.133	146.252	0.1189	OK013	Freestone fine sandy loam, 1 to 5 percent slopes	0.119
Gulf Coast	OK	Bryan	146.252	146.362	0.1095	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.110
Gulf Coast	OK	Bryan	146.362	146.529	0.1676	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.168
Gulf Coast	OK	Bryan	146.608	146.729	0.1212	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.121
Gulf Coast	OK	Bryan	146.729	146.750	0.0207	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.021
Gulf Coast	OK	Bryan	146.750	146.760	0.0100	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.010

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Gulf Coast	OK	Bryan	146.760	146.943	0.1832	OK013	Muskogee silt loam, 0 to 1 percent slopes	0.183
Gulf Coast	OK	Bryan	146.943	146.952	0.0086	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.009
Gulf Coast	OK	Bryan	146.952	146.978	0.0257	OK013	Muskogee silt loam, 0 to 1 percent slopes	0.026
Gulf Coast	OK	Bryan	146.978	147.166	0.1889	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.189
Gulf Coast	OK	Bryan	147.166	147.237	0.0708	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.071
Gulf Coast	OK	Bryan	147.237	147.276	0.0391	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.039
Gulf Coast	OK	Bryan	147.276	147.413	0.1366	OK013	Durant loam, 1 to 3 percent slopes	0.137
Gulf Coast	OK	Bryan	147.413	148.076	0.6633	OK013	Dennis loam, 1 to 3 percent slopes	0.663
Gulf Coast	OK	Bryan	148.076	148.170	0.0938	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.094
Gulf Coast	OK	Bryan	148.170	148.279	0.1091	OK013	Dennis loam, 1 to 3 percent slopes	0.109
Gulf Coast	OK	Bryan	148.279	148.343	0.0635	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.064
Gulf Coast	OK	Bryan	148.343	148.355	0.0122	OK013	Dennis loam, 1 to 3 percent slopes	0.012
Gulf Coast	OK	Bryan	148.516	148.760	0.2447	OK013	Dennis loam, 1 to 3 percent slopes	0.245
Gulf Coast	OK	Bryan	148.760	148.804	0.0432	OK013	Dennis loam, 3 to 5 percent slopes	0.043
Gulf Coast	OK	Bryan	148.804	148.873	0.0691	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.069
Gulf Coast	OK	Bryan	148.873	148.969	0.0968	OK013	Durant loam, 1 to 3 percent slopes	0.097
Gulf Coast	OK	Bryan	148.969	149.353	0.3836	OK013	Dennis loam, 1 to 3 percent slopes	0.384
Gulf Coast	OK	Bryan	149.373	149.429	0.0562	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.056
Gulf Coast	OK	Bryan	149.429	149.738	0.3093	OK013	Dennis loam, 3 to 5 percent slopes	0.309
Gulf Coast	OK	Bryan	149.786	149.868	0.0821	OK013	Dennis loam, 1 to 3 percent slopes	0.082
Gulf Coast	OK	Bryan	149.919	149.948	0.0290	OK013	Dennis loam, 1 to 3 percent slopes	0.029
Gulf Coast	OK	Bryan	149.948	149.997	0.0486	OK013	Dennis loam, 3 to 5 percent slopes	0.049
Gulf Coast	OK	Bryan	149.997	150.232	0.2352	OK013	Dennis loam, 1 to 3 percent slopes	0.235
Gulf Coast	OK	Bryan	150.232	150.279	0.0476	OK013	Dennis loam, 3 to 5 percent slopes	0.048
Gulf Coast	OK	Bryan	150.279	150.389	0.1094	OK013	Dennis loam, 1 to 3 percent slopes	0.109
Gulf Coast	OK	Bryan	150.389	150.425	0.0360	OK013	Dennis loam, 3 to 5 percent slopes	0.036
Gulf Coast	OK	Bryan	150.425	150.529	0.1048	OK013	Dennis loam, 1 to 3 percent slopes	0.105
Gulf Coast	OK	Bryan	150.629	150.795	0.1653	OK013	Durant loam, 1 to 3 percent slopes	0.165
Gulf Coast	OK	Bryan	150.927	150.950	0.0227	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.023
Gulf Coast	OK	Bryan	150.950	151.097	0.1471	OK013	Durant loam, 1 to 3 percent slopes	0.147
Gulf Coast	OK	Bryan	151.097	151.132	0.0348	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.035
Gulf Coast	OK	Bryan	151.132	151.162	0.0297	OK013	Durant loam, 1 to 3 percent slopes	0.030
Gulf Coast	OK	Bryan	151.162	151.421	0.2588	OK013	Dennis loam, 1 to 3 percent slopes	0.259
Gulf Coast	OK	Bryan	151.421	151.738	0.3174	OK013	Dennis loam, 3 to 5 percent slopes	0.317
Gulf Coast	OK	Bryan	151.738	151.817	0.0787	OK013	Dennis loam, 1 to 3 percent slopes	0.079
Gulf Coast	OK	Bryan	151.817	151.840	0.0236	OK013	Dennis loam, 3 to 5 percent slopes	0.024
Gulf Coast	OK	Bryan	151.840	151.883	0.0429	OK013	Dennis loam, 1 to 3 percent slopes	0.043
Gulf Coast	OK	Bryan	152.100	152.219	0.1185	OK013	Durant loam, 1 to 3 percent slopes	0.118
Gulf Coast	OK	Bryan	152.219	152.316	0.0971	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.097
Gulf Coast	OK	Bryan	152.316	152.351	0.0349	OK013	Madill fine sandy loam, 0 to 1 percent slopes, occasionally flood	0.035
Gulf Coast	OK	Bryan	152.351	152.515	0.1639	OK013	Boxville fine sandy loam, 3 to 8 percent slopes	0.164
Gulf Coast	OK	Bryan	152.515	152.560	0.0449	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.045
Gulf Coast	OK	Bryan	152.560	152.614	0.0542	OK013	Muskogee silt loam, 0 to 1 percent slopes	0.054
Gulf Coast	OK	Bryan	152.614	152.923	0.3089	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.309
Gulf Coast	OK	Bryan	152.923	153.124	0.2008	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.201
Gulf Coast	OK	Bryan	153.124	153.309	0.1851	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.185
Gulf Coast	OK	Bryan	153.309	153.373	0.0646	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.065
Gulf Coast	OK	Bryan	153.450	153.502	0.0512	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.051
Gulf Coast	OK	Bryan	153.502	153.594	0.0924	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.092
Gulf Coast	OK	Bryan	153.594	153.638	0.0438	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.044
Gulf Coast	OK	Bryan	153.680	153.979	0.2987	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.299
Gulf Coast	OK	Bryan	154.117	154.265	0.1480	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.148
Gulf Coast	OK	Bryan	154.304	154.467	0.1626	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.163
Gulf Coast	OK	Bryan	154.487	154.762	0.2751	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.275
Gulf Coast	OK	Bryan	154.762	154.841	0.0786	OK013	Boxville fine sandy loam, 3 to 8 percent slopes	0.079
Gulf Coast	OK	Bryan	154.841	154.868	0.0275	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.028
Gulf Coast	OK	Bryan	154.868	154.896	0.0281	OK013	Boxville fine sandy loam, 3 to 8 percent slopes	0.028
Gulf Coast	OK	Bryan	154.896	154.944	0.0481	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.048
Gulf Coast	OK	Bryan	154.944	155.017	0.0727	OK013	Boxville fine sandy loam, 1 to 3 percent slopes	0.073
Gulf Coast	OK	Bryan	155.017	155.122	0.1048	OK013	Boxville fine sandy loam, 3 to 8 percent slopes	0.105
Gulf Coast	OK	Bryan	155.122	155.248	0.1259	OK013	Karma fine sandy loam, 1 to 3 percent slopes	0.126
Gulf Coast	OK	Bryan	155.248	155.276	0.0284	OK013	Severn fine sandy loam, 0 to 1 percent slopes, rarely flooded	0.028
Gulf Coast	TX	Fannin	155.815	156.092	0.2775	TX147	Norwood silt loam, rarely flooded	0.278
Gulf Coast	TX	Fannin	156.092	156.421	0.3284	TX147	Severn silt loam, rarely flooded	0.328
Gulf Coast	TX	Fannin	156.421	157.518	1.0969	TX147	Norwood silt loam, rarely flooded	1.097
Gulf Coast	TX	Fannin	157.518	157.783	0.2657	TX147	Karma loam, 0 to 2 percent slopes	0.266
Gulf Coast	TX	Fannin	157.783	158.067	0.2841	TX147	Redlake clay, rarely flooded	0.284
Gulf Coast	TX	Fannin	158.067	158.281	0.2140	TX147	Karma loam, 0 to 2 percent slopes	0.214
Gulf Coast	TX	Fannin	158.281	158.589	0.3074	TX147	Okay loam, 0 to 1 percent slopes	0.307
Gulf Coast	TX	Fannin	160.103	160.491	0.3875	TX147	Okay loam, 0 to 1 percent slopes	0.388
Gulf Coast	TX	Fannin	160.688	160.862	0.1743	TX147	Karma loam, 0 to 2 percent slopes	0.174

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Gulf Coast	TX	Fannin	160.927	161.610	0.6829	TX147	Redlake clay, rarely flooded	0.683
Gulf Coast	TX	Delta/Lamar	161.626	161.639	0.0129	TX614	Desha clay, 0 to 1 percent slopes, frequently flooded	0.012
Gulf Coast	TX	Delta/Lamar	161.702	162.340	0.6387	TX614	Karma fine sandy loam, 0 to 1 percent slopes	0.639
Gulf Coast	TX	Delta/Lamar	163.601	164.052	0.4512	TX614	Whakana fine sandy loam, 1 to 5 percent slopes	0.451
Gulf Coast	TX	Delta/Lamar	164.475	164.588	0.1135	TX614	Whakana fine sandy loam, 1 to 5 percent slopes	0.114
Gulf Coast	TX	Delta/Lamar	164.619	164.850	0.2306	TX614	Whakana fine sandy loam, 1 to 5 percent slopes	0.231
Gulf Coast	TX	Delta/Lamar	164.881	164.993	0.1127	TX614	Whakana fine sandy loam, 1 to 5 percent slopes	0.113
Gulf Coast	TX	Delta/Lamar	165.079	165.121	0.0416	TX614	Whakana fine sandy loam, 1 to 5 percent slopes	0.042
Gulf Coast	TX	Delta/Lamar	166.017	166.318	0.3010	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.301
Gulf Coast	TX	Delta/Lamar	166.558	166.802	0.2441	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.244
Gulf Coast	TX	Delta/Lamar	166.917	167.249	0.3318	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.332
Gulf Coast	TX	Delta/Lamar	167.306	167.713	0.4065	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.406
Gulf Coast	TX	Delta/Lamar	167.724	168.317	0.5934	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.593
Gulf Coast	TX	Delta/Lamar	169.303	169.427	0.1241	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.124
Gulf Coast	TX	Delta/Lamar	172.488	172.542	0.0531	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.053
Gulf Coast	TX	Delta/Lamar	172.857	172.986	0.1290	TX614	Parisian silt loam, 1 to 3 percent slopes	0.129
Gulf Coast	TX	Delta/Lamar	175.861	175.953	0.0916	TX614	Parisian silt loam, 1 to 3 percent slopes	0.092
Gulf Coast	TX	Delta/Lamar	177.693	177.749	0.0561	TX614	Houston Black clay, 1 to 3 percent slopes	0.056
Gulf Coast	TX	Delta/Lamar	177.749	178.079	0.3300	TX614	Heiden clay, 2 to 5 percent slopes	0.330
Gulf Coast	TX	Delta/Lamar	178.079	179.895	1.8164	TX614	Houston Black clay, 1 to 3 percent slopes	1.816
Gulf Coast	TX	Delta/Lamar	179.895	180.498	0.6026	TX614	Houston Black clay, 0 to 1 percent slopes	0.603
Gulf Coast	TX	Delta/Lamar	180.498	180.901	0.4031	TX614	Houston Black clay, 1 to 3 percent slopes	0.403
Gulf Coast	TX	Delta/Lamar	180.901	181.021	0.1199	TX614	Houston Black clay, 0 to 1 percent slopes	0.120
Gulf Coast	TX	Delta/Lamar	181.021	181.313	0.2919	TX614	Houston Black clay, 1 to 3 percent slopes	0.292
Gulf Coast	TX	Delta/Lamar	181.313	181.322	0.0095	TX614	Austin silty clay, 1 to 3 percent slopes	0.009
Gulf Coast	TX	Delta/Lamar	181.655	181.716	0.0610	TX614	Houston Black clay, 1 to 3 percent slopes	0.061
Gulf Coast	TX	Delta/Lamar	181.716	181.822	0.1062	TX614	Leson clay, 1 to 3 percent slopes	0.106
Gulf Coast	TX	Delta/Lamar	182.034	182.620	0.5858	TX614	Austin silty clay, 1 to 3 percent slopes	0.586
Gulf Coast	TX	Delta/Lamar	182.620	182.939	0.3187	TX614	Houston Black clay, 1 to 3 percent slopes	0.319
Gulf Coast	TX	Delta/Lamar	182.939	183.017	0.0776	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.078
Gulf Coast	TX	Delta/Lamar	183.017	183.021	0.0044	TX614	Houston Black clay, 1 to 3 percent slopes	0.004
Gulf Coast	TX	Delta/Lamar	183.021	183.030	0.0093	TX614	Heiden clay, 2 to 5 percent slopes	0.009
Gulf Coast	TX	Delta/Lamar	183.030	183.196	0.1656	TX614	Houston Black clay, 1 to 3 percent slopes	0.166
Gulf Coast	TX	Delta/Lamar	183.196	183.311	0.1150	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.115
Gulf Coast	TX	Delta/Lamar	183.311	183.486	0.1748	TX614	Houston Black clay, 1 to 3 percent slopes	0.175
Gulf Coast	TX	Delta/Lamar	183.904	184.021	0.1176	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.118
Gulf Coast	TX	Delta/Lamar	184.431	184.590	0.1587	TX614	Houston Black clay, 1 to 3 percent slopes	0.159
Gulf Coast	TX	Delta/Lamar	184.668	184.780	0.1128	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.113
Gulf Coast	TX	Delta/Lamar	185.417	185.671	0.2540	TX614	Houston Black clay, 1 to 3 percent slopes	0.254
Gulf Coast	TX	Delta/Lamar	185.693	185.970	0.2769	TX614	Houston Black clay, 1 to 3 percent slopes	0.277
Gulf Coast	TX	Delta/Lamar	186.242	186.398	0.1552	TX614	Houston Black clay, 1 to 3 percent slopes	0.155
Gulf Coast	TX	Delta/Lamar	186.452	186.542	0.0900	TX614	Leson clay, 1 to 3 percent slopes	0.090
Gulf Coast	TX	Delta/Lamar	186.898	187.424	0.5265	TX614	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.526
Gulf Coast	TX	Delta/Lamar	187.424	187.623	0.1991	TX614	Houston Black clay, 1 to 3 percent slopes	0.199
Gulf Coast	TX	Delta/Lamar	187.623	187.978	0.3546	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.355
Gulf Coast	TX	Delta/Lamar	187.978	188.321	0.3434	TX614	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.343
Gulf Coast	TX	Delta/Lamar	188.321	188.524	0.2026	TX614	Houston Black clay, 1 to 3 percent slopes	0.203
Gulf Coast	TX	Delta/Lamar	188.524	188.578	0.0543	TX614	Heiden clay, 2 to 5 percent slopes	0.054
Gulf Coast	TX	Delta/Lamar	188.578	188.626	0.0473	TX614	Houston Black clay, 1 to 3 percent slopes	0.047
Gulf Coast	TX	Delta/Lamar	188.626	189.605	0.9791	TX614	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.979
Gulf Coast	TX	Delta/Lamar	189.922	190.228	0.3054	TX614	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.305
Gulf Coast	TX	Delta/Lamar	190.286	191.440	1.1539	TX614	Trinity clay, 0 to 1 percent slopes, occasionally flooded	1.154
Gulf Coast	TX	Delta/Lamar	191.440	191.525	0.0851	TX614	Houston Black clay, 1 to 3 percent slopes	0.085
Gulf Coast	TX	Delta/Lamar	191.525	191.607	0.0822	TX614	Heiden clay, 2 to 5 percent slopes	0.082
Gulf Coast	TX	Delta/Lamar	191.734	191.831	0.0974	TX614	Houston Black clay, 1 to 3 percent slopes	0.097
Gulf Coast	TX	Delta/Lamar	191.904	192.257	0.3531	TX614	Houston Black clay, 1 to 3 percent slopes	0.353
Gulf Coast	TX	Delta/Lamar	192.257	192.728	0.4715	TX614	Leson clay, 1 to 3 percent slopes	0.472
Gulf Coast	TX	Delta/Lamar	192.951	193.052	0.1013	TX614	Leson clay, 1 to 3 percent slopes	0.101
Gulf Coast	TX	Delta/Lamar	193.052	193.225	0.1730	TX614	Deport clay, 1 to 3 percent slopes	0.173
Gulf Coast	TX	Delta/Lamar	193.225	193.483	0.2578	TX614	Burleson clay, 0 to 1 percent slopes	0.258
Gulf Coast	TX	Delta/Lamar	193.483	193.603	0.1201	TX614	Deport clay, 1 to 3 percent slopes	0.120
Gulf Coast	TX	Delta/Lamar	193.832	194.062	0.2304	TX614	Deport clay, 1 to 3 percent slopes	0.230
Gulf Coast	TX	Delta/Lamar	194.062	194.134	0.0718	TX614	Leson clay, 1 to 3 percent slopes	0.072
Gulf Coast	TX	Delta/Lamar	194.134	194.391	0.2574	TX614	Deport clay, 1 to 3 percent slopes	0.257
Gulf Coast	TX	Delta/Lamar	194.478	195.300	0.8217	TX614	Leson clay, 1 to 3 percent slopes	0.822
Gulf Coast	TX	Delta/Lamar	195.344	195.497	0.1534	TX614	Leson clay, 1 to 3 percent slopes	0.153
Gulf Coast	TX	Delta/Lamar	195.497	195.600	0.1028	TX614	Houston Black clay, 1 to 3 percent slopes	0.103
Gulf Coast	TX	Delta/Lamar	195.600	195.888	0.2877	TX614	Leson clay, 1 to 3 percent slopes	0.288
Gulf Coast	TX	Delta/Lamar	195.888	196.017	0.1291	TX614	Heiden clay, 2 to 5 percent slopes	0.129
Gulf Coast	TX	Delta/Lamar	196.017	196.129	0.1122	TX614	Leson clay, 1 to 3 percent slopes	0.112
Gulf Coast	TX	Delta/Lamar	196.129	196.206	0.0772	TX614	Heiden clay, 2 to 5 percent slopes	0.077

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Gulf Coast	TX	Delta/Lamar	196.206	196.863	0.6573	TX614	Leson clay, 1 to 3 percent slopes	0.657
Gulf Coast	TX	Delta/Lamar	196.863	196.957	0.0936	TX614	Heiden clay, 2 to 5 percent slopes	0.094
Gulf Coast	TX	Delta/Lamar	196.957	197.173	0.2157	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.216
Gulf Coast	TX	Delta/Lamar	197.173	197.191	0.0179	TX614	Leson clay, 1 to 3 percent slopes	0.018
Gulf Coast	TX	Delta/Lamar	197.191	197.257	0.0661	TX614	Houston Black clay, 1 to 3 percent slopes	0.066
Gulf Coast	TX	Delta/Lamar	197.257	197.338	0.0812	TX614	Heiden clay, 2 to 5 percent slopes	0.081
Gulf Coast	TX	Delta/Lamar	197.338	197.534	0.1961	TX614	Deport clay, 1 to 3 percent slopes	0.196
Gulf Coast	TX	Delta/Lamar	197.794	198.015	0.2209	TX614	Heiden clay, 2 to 5 percent slopes	0.221
Gulf Coast	TX	Hopkins	203.302	203.393	0.0905	TX610	Bazette clay loam, 3 to 5 percent slopes	0.091
Gulf Coast	TX	Hopkins	203.450	203.522	0.0715	TX610	Bazette clay loam, 3 to 5 percent slopes	0.072
Gulf Coast	TX	Hopkins	215.532	215.599	0.0665	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.066
Gulf Coast	TX	Hopkins	217.350	217.655	0.3050	TX610	Bernaldo fine sandy loam, 1 to 3 percent slopes	0.305
Gulf Coast	TX	Hopkins	218.100	218.139	0.0391	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.039
Gulf Coast	TX	Hopkins	218.352	218.460	0.1081	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.108
Gulf Coast	TX	Hopkins	218.564	218.673	0.1087	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.109
Gulf Coast	TX	Hopkins	218.734	219.159	0.4247	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.425
Gulf Coast	TX	Hopkins	219.333	219.782	0.4489	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.449
Gulf Coast	TX	Hopkins	220.689	220.957	0.2681	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.268
Gulf Coast	TX	Hopkins	221.321	221.368	0.0473	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.047
Gulf Coast	TX	Hopkins	222.055	222.108	0.0533	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.053
Gulf Coast	TX	Franklin	222.108	222.148	0.0399	TX603	Freestone fine sandy loam, 1 to 3 percent slopes	0.040
Gulf Coast	TX	Franklin	222.355	222.497	0.1416	TX603	Freestone fine sandy loam, 1 to 3 percent slopes	0.142
Gulf Coast	TX	Franklin	222.853	222.924	0.0712	TX603	Bernaldo fine sandy loam, 1 to 3 percent slopes	0.071
Gulf Coast	TX	Franklin	226.503	226.826	0.3231	TX603	Bernaldo fine sandy loam, 1 to 3 percent slopes	0.323
Gulf Coast	TX	Franklin	231.495	231.664	0.1686	TX603	Bowie fine sandy loam, 2 to 5 percent slopes	0.169
Gulf Coast	TX	Franklin	232.511	232.682	0.1714	TX603	Kullit very fine sandy loam, 1 to 3 percent slopes	0.171
Gulf Coast	TX	Wood	232.682	232.799	0.1169	TX499	Kullit very fine sandy loam, 1 to 3 percent slopes	0.117
Gulf Coast	TX	Wood	232.985	233.164	0.1798	TX499	Bowie fine sandy loam, 1 to 5 percent slopes	0.180
Gulf Coast	TX	Wood	233.191	233.414	0.2232	TX499	Gallime fine sandy loam, 1 to 3 percent slopes	0.223
Gulf Coast	TX	Wood	234.062	234.179	0.1175	TX499	Kullit very fine sandy loam, 1 to 3 percent slopes	0.118
Gulf Coast	TX	Wood	234.179	234.390	0.2103	TX499	Bowie fine sandy loam, 1 to 5 percent slopes	0.210
Gulf Coast	TX	Wood	234.570	234.766	0.1964	TX499	Bowie fine sandy loam, 1 to 5 percent slopes	0.196
Gulf Coast	TX	Wood	236.625	236.700	0.0748	TX499	Bowie fine sandy loam, 1 to 5 percent slopes	0.075
Gulf Coast	TX	Wood	249.683	249.945	0.2622	TX499	Bowie fine sandy loam, 1 to 5 percent slopes	0.262
Gulf Coast	TX	Wood	256.516	256.656	0.1405	TX499	Gallime fine sandy loam, 1 to 3 percent slopes	0.140
Gulf Coast	TX	Wood	256.701	256.965	0.2638	TX499	Gallime fine sandy loam, 1 to 3 percent slopes	0.264
Gulf Coast	TX	Wood	257.133	257.382	0.2486	TX499	Bowie fine sandy loam, 1 to 5 percent slopes	0.249
Gulf Coast	TX	Upshur	257.382	257.513	0.1306	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.131
Gulf Coast	TX	Upshur	257.763	257.871	0.1085	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.109
Gulf Coast	TX	Upshur	257.953	258.443	0.4897	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.490
Gulf Coast	TX	Upshur	258.525	259.103	0.5777	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.578
Gulf Coast	TX	Upshur	259.283	259.465	0.1810	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.181
Gulf Coast	TX	Upshur	259.590	259.647	0.0571	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.057
Gulf Coast	TX	Upshur	259.699	259.927	0.2281	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.228
Gulf Coast	TX	Upshur	260.895	261.030	0.1350	TX608	Kullit very fine sandy loam, 1 to 3 percent slopes	0.135
Gulf Coast	TX	Upshur	261.179	261.440	0.2610	TX608	Kullit very fine sandy loam, 1 to 3 percent slopes	0.261
Gulf Coast	TX	Smith	262.971	263.309	0.3374	TX423	Oakwood fine sandy loam, 1 to 5 percent slopes	0.337
Gulf Coast	TX	Smith	263.334	263.413	0.0788	TX423	Oakwood fine sandy loam, 1 to 5 percent slopes	0.079
Gulf Coast	TX	Smith	263.413	263.535	0.1226	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.123
Gulf Coast	TX	Smith	263.642	263.770	0.1282	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.128
Gulf Coast	TX	Smith	264.610	264.865	0.2542	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.254
Gulf Coast	TX	Smith	265.661	265.862	0.2014	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.201
Gulf Coast	TX	Smith	266.201	266.616	0.4149	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.415
Gulf Coast	TX	Smith	266.794	266.838	0.0440	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.044
Gulf Coast	TX	Smith	266.838	266.921	0.0827	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.083
Gulf Coast	TX	Smith	266.921	267.109	0.1880	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.188
Gulf Coast	TX	Smith	267.109	267.169	0.0604	TX423	Owentown loamy fine sand, occasionally flooded	0.060
Gulf Coast	TX	Smith	267.208	267.603	0.3948	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.395
Gulf Coast	TX	Smith	267.723	267.864	0.1403	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.140
Gulf Coast	TX	Smith	267.888	267.997	0.1094	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.109
Gulf Coast	TX	Smith	267.997	268.017	0.0201	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.020
Gulf Coast	TX	Smith	268.017	268.274	0.2562	TX423	Owentown loamy fine sand, occasionally flooded	0.256
Gulf Coast	TX	Smith	268.488	268.560	0.0724	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.072
Gulf Coast	TX	Smith	268.703	268.941	0.2384	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.238
Gulf Coast	TX	Smith	269.100	269.154	0.0544	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.054
Gulf Coast	TX	Smith	270.515	270.597	0.0818	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.082
Gulf Coast	TX	Smith	271.170	271.310	0.1404	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.140
Gulf Coast	TX	Smith	271.436	271.479	0.0434	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.043
Gulf Coast	TX	Smith	271.580	271.990	0.4099	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.410
Gulf Coast	TX	Smith	272.688	272.829	0.1407	TX423	Owentown loamy fine sand, occasionally flooded	0.141
Gulf Coast	TX	Smith	274.582	274.599	0.0167	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.017

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Gulf Coast	TX	Smith	279.358	279.454	0.0964	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.096
Gulf Coast	TX	Smith	279.680	279.769	0.0889	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.089
Gulf Coast	TX	Smith	282.227	282.462	0.2351	TX423	Bernaldo fine sandy loam, 1 to 3 percent slopes	0.235
Gulf Coast	TX	Smith	282.462	282.540	0.0776	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.078
Gulf Coast	TX	Smith	283.017	283.526	0.5089	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.509
Gulf Coast	TX	Smith	283.728	283.744	0.0160	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.016
Gulf Coast	TX	Smith	283.788	283.860	0.0716	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.072
Gulf Coast	TX	Smith	284.113	284.261	0.1484	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.148
Gulf Coast	TX	Smith	285.958	286.228	0.2698	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.270
Gulf Coast	TX	Smith	286.243	286.361	0.1182	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.118
Gulf Coast	TX	Smith	286.784	286.823	0.0392	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.039
Gulf Coast	TX	Smith	287.120	287.204	0.0846	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.085
Gulf Coast	TX	Smith	287.314	287.382	0.0678	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.068
Gulf Coast	TX	Smith	288.087	288.139	0.0522	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.052
Gulf Coast	TX	Smith	288.139	288.299	0.1592	TX423	Kullit fine sandy loam, 1 to 3 percent slopes	0.159
Gulf Coast	TX	Smith	288.299	288.335	0.0361	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.036
Gulf Coast	TX	Smith	288.335	288.431	0.0960	TX423	Kullit fine sandy loam, 1 to 3 percent slopes	0.096
Gulf Coast	TX	Smith	288.431	288.465	0.0342	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.034
Gulf Coast	TX	Smith	288.465	288.505	0.0397	TX423	Kullit fine sandy loam, 1 to 3 percent slopes	0.040
Gulf Coast	TX	Smith	288.590	288.637	0.0477	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.048
Gulf Coast	TX	Smith	288.677	288.780	0.1028	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.103
Gulf Coast	TX	Smith	288.783	288.822	0.0387	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.039
Gulf Coast	TX	Smith	288.876	288.940	0.0643	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.064
Gulf Coast	TX	Smith	289.518	289.576	0.0585	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.058
Gulf Coast	TX	Smith	289.789	289.854	0.0650	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.065
Gulf Coast	TX	Smith	290.053	290.127	0.0733	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.073
Gulf Coast	TX	Smith	290.202	290.310	0.1076	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.108
Gulf Coast	TX	Smith	290.719	290.796	0.0773	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.077
Gulf Coast	TX	Smith	291.800	291.865	0.0649	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.065
Gulf Coast	TX	Smith	291.983	292.126	0.1426	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.143
Gulf Coast	TX	Cherokee	292.725	292.748	0.0235	TX073	Ruston fine sandy loam, sloping	0.024
Gulf Coast	TX	Rusk	301.524	301.687	0.1627	TX401	Latex very fine sandy loam, 1 to 3 percent slopes	0.163
Gulf Coast	TX	Rusk	301.687	301.963	0.2759	TX401	Sawlit-Sawtown complex, 0 to 2 percent slopes	0.276
Gulf Coast	TX	Rusk	302.343	302.369	0.0262	TX401	Sawlit-Sawtown complex, 0 to 2 percent slopes	0.026
Gulf Coast	TX	Rusk	302.474	302.553	0.0794	TX401	Sawlit-Sawtown complex, 0 to 2 percent slopes	0.079
Gulf Coast	TX	Rusk	302.592	302.775	0.1830	TX401	Sawlit-Sawtown complex, 0 to 2 percent slopes	0.183
Gulf Coast	TX	Rusk	303.073	303.166	0.0933	TX401	Sawlit-Sawtown complex, 0 to 2 percent slopes	0.093
Gulf Coast	TX	Rusk	307.319	307.414	0.0957	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.096
Gulf Coast	TX	Rusk	308.457	308.675	0.2180	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.218
Gulf Coast	TX	Rusk	308.743	308.991	0.2483	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.248
Gulf Coast	TX	Rusk	309.116	309.206	0.0903	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.090
Gulf Coast	TX	Rusk	309.663	309.736	0.0733	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.073
Gulf Coast	TX	Rusk	309.829	310.031	0.2023	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.202
Gulf Coast	TX	Rusk	312.733	312.788	0.0556	TX401	Laneville loam, occasionally flooded	0.056
Gulf Coast	TX	Rusk	312.800	312.836	0.0362	TX401	Laneville loam, occasionally flooded	0.036
Gulf Coast	TX	Rusk	312.878	313.116	0.2380	TX401	Laneville loam, occasionally flooded	0.238
Gulf Coast	TX	Rusk	313.250	313.269	0.0191	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.019
Gulf Coast	TX	Rusk	313.493	313.552	0.0591	TX401	Laneville loam, occasionally flooded	0.059
Gulf Coast	TX	Nacogdoches	313.761	313.973	0.2120	TX347	Bowie fine sandy loam, 1 to 8 percent slopes	0.212
Gulf Coast	TX	Nacogdoches	313.984	314.052	0.0678	TX347	Kullit fine sandy loam, 1 to 3 percent slopes	0.068
Gulf Coast	TX	Nacogdoches	314.219	314.326	0.1068	TX347	Bowie fine sandy loam, 1 to 8 percent slopes	0.107
Gulf Coast	TX	Nacogdoches	314.460	314.483	0.0227	TX347	Kullit fine sandy loam, 1 to 3 percent slopes	0.023
Gulf Coast	TX	Nacogdoches	314.854	314.968	0.1143	TX347	Kullit fine sandy loam, 1 to 3 percent slopes	0.114
Gulf Coast	TX	Nacogdoches	315.357	315.386	0.0284	TX347	Bowie fine sandy loam, 1 to 8 percent slopes	0.028
Gulf Coast	TX	Nacogdoches	315.436	315.594	0.1584	TX347	Woden fine sandy loam, 1 to 4 percent slopes	0.158
Gulf Coast	TX	Nacogdoches	316.964	317.021	0.0572	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.057
Gulf Coast	TX	Nacogdoches	319.065	319.092	0.0271	TX347	Bernaldo-Besner complex	0.027
Gulf Coast	TX	Nacogdoches	319.272	319.319	0.0466	TX347	Iuka fine sandy loam, occasionally flooded	0.047
Gulf Coast	TX	Nacogdoches	319.757	319.834	0.0767	TX347	Iuka fine sandy loam, occasionally flooded	0.077
Gulf Coast	TX	Nacogdoches	320.397	320.489	0.0912	TX347	Bernaldo-Besner complex	0.091
Gulf Coast	TX	Nacogdoches	320.681	320.753	0.0719	TX347	Bernaldo-Besner complex	0.072
Gulf Coast	TX	Nacogdoches	320.967	321.487	0.5204	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.520
Gulf Coast	TX	Nacogdoches	321.502	321.572	0.0699	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.070
Gulf Coast	TX	Nacogdoches	321.948	321.975	0.0274	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.027
Gulf Coast	TX	Nacogdoches	322.267	322.544	0.2771	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.277
Gulf Coast	TX	Nacogdoches	322.544	322.867	0.3228	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.323
Gulf Coast	TX	Nacogdoches	322.867	323.139	0.2718	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.272
Gulf Coast	TX	Nacogdoches	323.270	323.625	0.3548	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.355
Gulf Coast	TX	Nacogdoches	323.774	324.004	0.2294	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.229
Gulf Coast	TX	Nacogdoches	324.162	324.628	0.4658	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.466
Gulf Coast	TX	Nacogdoches	325.552	325.669	0.1178	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.118

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Gulf Coast	TX	Nacogdoches	325.960	326.293	0.3332	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.333
Gulf Coast	TX	Nacogdoches	326.293	326.426	0.1332	TX347	Mollville loam	0.133
Gulf Coast	TX	Nacogdoches	326.426	326.650	0.2244	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.224
Gulf Coast	TX	Nacogdoches	326.650	326.937	0.2868	TX347	Mollville loam	0.287
Gulf Coast	TX	Nacogdoches	326.937	327.508	0.5709	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.571
Gulf Coast	TX	Nacogdoches	327.508	327.585	0.0766	TX347	Iuka fine sandy loam, occasionally flooded	0.077
Gulf Coast	TX	Nacogdoches	327.585	327.620	0.0355	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.035
Gulf Coast	TX	Nacogdoches	327.620	328.180	0.5598	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.560
Gulf Coast	TX	Nacogdoches	328.180	328.558	0.3783	TX347	Alto clay loam, 0 to 1 percent slopes	0.378
Gulf Coast	TX	Nacogdoches	328.806	328.854	0.0479	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.048
Gulf Coast	TX	Nacogdoches	328.854	328.877	0.0230	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.023
Gulf Coast	TX	Nacogdoches	328.877	328.899	0.0218	TX347	Iuka fine sandy loam, occasionally flooded	0.022
Gulf Coast	TX	Nacogdoches	328.899	329.225	0.3260	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.326
Gulf Coast	TX	Nacogdoches	329.225	329.356	0.1309	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.131
Gulf Coast	TX	Nacogdoches	329.356	329.512	0.1560	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.156
Gulf Coast	TX	Nacogdoches	329.512	329.658	0.1455	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.145
Gulf Coast	TX	Nacogdoches	329.738	329.959	0.2210	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.221
Gulf Coast	TX	Nacogdoches	330.065	330.109	0.0441	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.044
Gulf Coast	TX	Nacogdoches	330.162	330.231	0.0687	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.069
Gulf Coast	TX	Nacogdoches	330.231	330.388	0.1567	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.157
Gulf Coast	TX	Nacogdoches	330.449	330.517	0.0677	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.068
Gulf Coast	TX	Nacogdoches	330.553	330.756	0.2032	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.203
Gulf Coast	TX	Nacogdoches	330.756	330.756	0.0004	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.000
Gulf Coast	TX	Nacogdoches	330.844	331.067	0.2228	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.223
Gulf Coast	TX	Nacogdoches	331.538	332.002	0.4632	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.463
Gulf Coast	TX	Nacogdoches	332.002	332.083	0.0817	TX347	Bernaldo-Besner complex	0.082
Gulf Coast	TX	Nacogdoches	332.188	332.335	0.1478	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.148
Gulf Coast	TX	Nacogdoches	332.335	332.707	0.3717	TX347	Bernaldo-Besner complex	0.372
Gulf Coast	TX	Nacogdoches	332.872	332.976	0.1038	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.104
Gulf Coast	TX	Cherokee	336.543	336.776	0.2329	TX073	Ruston fine sandy loam, sloping	0.233
Gulf Coast	TX	Cherokee	336.956	337.007	0.0509	TX073	Ruston fine sandy loam, sloping	0.051
Gulf Coast	TX	Cherokee	337.816	338.063	0.2467	TX073	Nacogdoches fine sandy loam, gently sloping	0.247
Gulf Coast	TX	Cherokee	338.146	338.400	0.2546	TX073	LaCerda clay, nearly level	0.255
Gulf Coast	TX	Cherokee	338.546	338.548	0.0024	TX073	LaCerda clay, nearly level	0.002
Gulf Coast	TX	Cherokee	338.548	338.873	0.3254	TX073	LaCerda clay loam, gently sloping	0.325
Gulf Coast	TX	Cherokee	338.873	339.006	0.1327	TX073	LaCerda clay, nearly level	0.133
Gulf Coast	TX	Cherokee	339.006	339.010	0.0036	TX073	LaCerda clay loam, gently sloping	0.004
Gulf Coast	TX	Cherokee	339.019	339.070	0.0517	TX073	LaCerda clay loam, gently sloping	0.052
Gulf Coast	TX	Cherokee	339.957	340.004	0.0469	TX073	Elrose fine sandy loam, gently sloping	0.047
Gulf Coast	TX	Angelina	340.960	341.243	0.2831	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.283
Gulf Coast	TX	Angelina	341.243	341.313	0.0707	TX005	Keithville-Sawtown complex, gently undulating	0.071
Gulf Coast	TX	Angelina	341.313	341.371	0.0578	TX005	Iuka fine sandy loam, occasionally flooded	0.058
Gulf Coast	TX	Angelina	341.371	341.606	0.2349	TX005	Keithville-Sawtown complex, gently undulating	0.235
Gulf Coast	TX	Angelina	341.606	341.778	0.1720	TX005	Iuka fine sandy loam, occasionally flooded	0.172
Gulf Coast	TX	Angelina	343.396	343.568	0.1722	TX005	Keithville-Sawtown complex, gently undulating	0.172
Gulf Coast	TX	Angelina	343.606	343.708	0.1023	TX005	Keithville-Sawtown complex, gently undulating	0.102
Gulf Coast	TX	Angelina	344.044	344.256	0.2121	TX005	Iuka fine sandy loam, occasionally flooded	0.212
Gulf Coast	TX	Angelina	344.298	344.494	0.1959	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.196
Gulf Coast	TX	Angelina	344.549	344.668	0.1183	TX005	Iuka fine sandy loam, occasionally flooded	0.118
Gulf Coast	TX	Angelina	344.780	344.948	0.1686	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.169
Gulf Coast	TX	Angelina	344.948	345.319	0.3703	TX005	Keithville-Sawtown complex, gently undulating	0.370
Gulf Coast	TX	Angelina	345.774	345.895	0.1203	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.120
Gulf Coast	TX	Angelina	345.895	346.064	0.1697	TX005	Keithville-Sawtown complex, gently undulating	0.170
Gulf Coast	TX	Angelina	346.064	346.177	0.1123	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.112
Gulf Coast	TX	Angelina	346.330	346.463	0.1338	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.134
Gulf Coast	TX	Angelina	346.463	346.544	0.0810	TX005	Attoyac fine sandy loam, 0 to 4 percent slopes	0.081
Gulf Coast	TX	Angelina	346.673	346.762	0.0888	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.089
Gulf Coast	TX	Angelina	347.328	348.043	0.7150	TX005	Mollville-Besner complex, gently undulating	0.715
Gulf Coast	TX	Angelina	348.468	348.596	0.1279	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.128
Gulf Coast	TX	Angelina	348.727	349.073	0.3465	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.347
Gulf Coast	TX	Angelina	349.437	349.594	0.1572	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.157
Gulf Coast	TX	Angelina	350.550	350.680	0.1307	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.124
Gulf Coast	TX	Angelina	350.789	350.946	0.1571	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.149
Gulf Coast	TX	Angelina	351.078	351.190	0.1112	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	0.111
Gulf Coast	TX	Angelina	352.483	352.534	0.0510	TX005	Koury loam, occasionally flooded	0.051
Gulf Coast	TX	Angelina	352.994	353.120	0.1260	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.120
Gulf Coast	TX	Angelina	354.400	354.527	0.1267	TX005	Koury loam, occasionally flooded	0.127
Gulf Coast	TX	Angelina	354.646	354.856	0.2104	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.200
Gulf Coast	TX	Angelina	354.992	355.182	0.1904	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.181
Gulf Coast	TX	Angelina	355.778	356.173	0.3948	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.375
Gulf Coast	TX	Angelina	356.226	356.304	0.0787	TX005	Alazan very fine sandy loam, 0 to 4 percent slopes	0.079

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Gulf Coast	TX	Angelina	356.304	356.462	0.1572	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.149
Gulf Coast	TX	Angelina	356.924	357.053	0.1298	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	0.130
Gulf Coast	TX	Angelina	357.418	357.553	0.1349	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.128
Gulf Coast	TX	Angelina	357.684	358.010	0.3252	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.309
Gulf Coast	TX	Angelina	359.282	359.362	0.0797	TX005	Moten-Mutley complex, gently undulating	0.080
Gulf Coast	TX	Angelina	360.391	361.219	0.8277	TX005	Moten-Mutley complex, gently undulating	0.828
Gulf Coast	TX	Angelina	361.219	361.378	0.1590	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	0.159
Gulf Coast	TX	Angelina	361.738	361.873	0.1347	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	0.135
Gulf Coast	TX	Angelina	362.565	363.130	0.5651	TX005	Moten-Mutley complex, gently undulating	0.565
Gulf Coast	TX	Angelina	363.534	363.830	0.2957	TX005	Moten-Mutley complex, gently undulating	0.296
Gulf Coast	TX	Angelina	363.830	363.860	0.0306	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	0.031
Gulf Coast	TX	Angelina	363.860	364.372	0.5117	TX005	Moten-Mutley complex, gently undulating	0.512
Gulf Coast	TX	Angelina	364.372	364.547	0.1752	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	0.175
Gulf Coast	TX	Angelina	364.547	364.961	0.4140	TX005	Alazan very fine sandy loam, 0 to 4 percent slopes	0.414
Gulf Coast	TX	Angelina	365.485	365.648	0.1624	TX005	Moten-Mutley complex, gently undulating	0.162
Gulf Coast	TX	Angelina	365.724	366.424	0.6999	TX005	Moten-Mutley complex, gently undulating	0.700
Gulf Coast	TX	Angelina	366.424	366.500	0.0758	TX005	Mollville-Besner complex, gently undulating	0.076
Gulf Coast	TX	Polk	376.734	377.163	0.4291	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.429
Gulf Coast	TX	Polk	377.229	377.262	0.0336	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.034
Gulf Coast	TX	Polk	377.413	377.563	0.1504	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.150
Gulf Coast	TX	Polk	377.657	377.941	0.2836	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.284
Gulf Coast	TX	Polk	377.941	378.186	0.2454	TX617	Laska fine sandy loam, 1 to 5 percent slopes	0.245
Gulf Coast	TX	Polk	378.339	378.392	0.0536	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.054
Gulf Coast	TX	Polk	378.869	379.109	0.2403	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.240
Gulf Coast	TX	Polk	379.109	379.338	0.2287	TX617	Laska fine sandy loam, 1 to 5 percent slopes	0.229
Gulf Coast	TX	Polk	379.448	379.546	0.0980	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.098
Gulf Coast	TX	Polk	379.715	379.977	0.2622	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.262
Gulf Coast	TX	Polk	380.175	380.300	0.1251	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.125
Gulf Coast	TX	Polk	380.863	381.921	1.0587	TX617	Colita-Laska complex, 1 to 5 percent slopes	1.059
Gulf Coast	TX	Polk	383.204	383.512	0.3081	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.308
Gulf Coast	TX	Polk	384.535	386.844	2.3085	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	2.308
Gulf Coast	TX	Polk	388.363	388.501	0.1378	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.138
Gulf Coast	TX	Polk	389.009	389.191	0.1817	TX617	Leggett fine sandy loam, 0 to 3 percent slopes	0.182
Gulf Coast	TX	Polk	389.383	389.563	0.1804	TX617	Leggett fine sandy loam, 0 to 3 percent slopes	0.180
Gulf Coast	TX	Polk	389.635	390.006	0.3706	TX617	Leggett fine sandy loam, 0 to 3 percent slopes	0.371
Gulf Coast	TX	Polk	390.006	390.427	0.4213	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.421
Gulf Coast	TX	Polk	391.086	391.123	0.0376	TX617	Wiergate clay, 1 to 5 percent slopes	0.038
Gulf Coast	TX	Polk	391.223	391.273	0.0492	TX617	Wiergate clay, 1 to 5 percent slopes	0.049
Gulf Coast	TX	Polk	391.273	391.417	0.1441	TX617	Leggett fine sandy loam, 0 to 3 percent slopes	0.144
Gulf Coast	TX	Polk	391.417	391.495	0.0780	TX617	Wiergate clay, 1 to 5 percent slopes	0.078
Gulf Coast	TX	Polk	391.790	391.790	0.0001	TX617	Leggett fine sandy loam, 0 to 3 percent slopes	0.000
Gulf Coast	TX	Polk	391.848	391.888	0.0399	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.040
Gulf Coast	TX	Polk	392.090	392.173	0.0830	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.083
Gulf Coast	TX	Polk	392.378	393.190	0.8117	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.812
Gulf Coast	TX	Polk	393.736	394.547	0.8108	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.811
Gulf Coast	TX	Polk	395.973	396.088	0.1153	TX617	Wiergate clay, 1 to 5 percent slopes	0.115
Gulf Coast	TX	Polk	396.391	396.978	0.5868	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.587
Gulf Coast	TX	Polk	396.978	397.186	0.2085	TX617	Wiergate clay, 1 to 5 percent slopes	0.209
Gulf Coast	TX	Polk	397.186	397.335	0.1487	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.149
Gulf Coast	TX	Polk	397.555	397.880	0.3243	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.324
Gulf Coast	TX	Polk	397.955	398.069	0.1141	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.114
Gulf Coast	TX	Polk	398.220	398.582	0.3620	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.362
Gulf Coast	TX	Polk	398.649	398.757	0.1072	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.107
Gulf Coast	TX	Polk	399.124	399.907	0.7825	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.782
Gulf Coast	TX	Polk	400.183	400.509	0.3260	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.326
Gulf Coast	TX	Polk	402.712	403.139	0.4269	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.427
Gulf Coast	TX	Polk	403.139	403.373	0.2345	TX617	Waller silt loam, 0 to 1 percent slopes	0.235
Gulf Coast	TX	Polk	403.373	403.534	0.1613	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.161
Gulf Coast	TX	Polk	403.534	403.843	0.3090	TX617	Waller silt loam, 0 to 1 percent slopes	0.309
Gulf Coast	TX	Polk	403.843	403.977	0.1340	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.134
Gulf Coast	TX	Polk	404.483	406.428	1.9447	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	1.945
Gulf Coast	TX	Polk	406.428	406.461	0.0328	TX617	Waller silt loam, 0 to 1 percent slopes	0.033
Gulf Coast	TX	Polk	406.461	406.689	0.2284	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.228
Gulf Coast	TX	Polk	406.689	406.786	0.0965	TX617	Waller silt loam, 0 to 1 percent slopes	0.097
Gulf Coast	TX	Polk	406.786	408.593	1.8074	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	1.807
Gulf Coast	TX	Polk	408.678	408.741	0.0632	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.063
Gulf Coast	TX	Polk	409.061	409.201	0.1395	TX617	Kirbyville fine sandy loam, 0 to 2 percent slopes	0.140
Gulf Coast	TX	Polk	409.201	409.765	0.5639	TX617	Otanya fine sandy loam, 0 to 3 percent slopes	0.564
Gulf Coast	TX	Polk	409.765	409.891	0.1259	TX617	Waller silt loam, 0 to 1 percent slopes	0.126
Gulf Coast	TX	Polk	409.891	410.019	0.1287	TX617	Otanya fine sandy loam, 0 to 3 percent slopes	0.129
Gulf Coast	TX	Polk	410.019	410.262	0.2428	TX617	Kirbyville fine sandy loam, 0 to 2 percent slopes	0.243

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Gulf Coast	TX	Polk	410.262	410.504	0.2417	TX617	Otanya fine sandy loam, 0 to 3 percent slopes	0.242
Gulf Coast	TX	Polk	410.981	411.085	0.1046	TX617	Waller silt loam, 0 to 1 percent slopes	0.105
Gulf Coast	TX	Polk	411.085	412.645	1.5601	TX617	Otanya fine sandy loam, 0 to 3 percent slopes	1.560
Gulf Coast	TX	Liberty	412.961	413.602	0.6413	TX291	Doucette loamy fine sand, 1 to 3 percent slopes	0.641
Gulf Coast	TX	Liberty	413.722	413.922	0.2005	TX291	Owentown fine sandy loam, occasionally flooded	0.201
Gulf Coast	TX	Liberty	413.985	414.543	0.5576	TX291	Vamont silty clay, 0 to 1 percent slopes	0.558
Gulf Coast	TX	Liberty	414.543	416.175	1.6319	TX291	Vamont clay, 1 to 3 percent slopes	1.632
Gulf Coast	TX	Liberty	416.175	416.860	0.6853	TX291	Vamont silty clay, 0 to 1 percent slopes	0.685
Gulf Coast	TX	Liberty	416.860	417.117	0.2572	TX291	Vamont clay, 1 to 3 percent slopes	0.257
Gulf Coast	TX	Liberty	417.117	417.569	0.4521	TX291	Sorter-Dallardsville complex	0.452
Gulf Coast	TX	Liberty	418.824	419.020	0.1957	TX291	Vamont silty clay, 0 to 1 percent slopes	0.196
Gulf Coast	TX	Liberty	419.143	419.257	0.1139	TX291	Aldine silt loam, 0 to 2 percent slopes	0.114
Gulf Coast	TX	Liberty	419.323	419.360	0.0374	TX291	Aldine silt loam, 0 to 2 percent slopes	0.037
Gulf Coast	TX	Liberty	419.505	419.693	0.1883	TX291	Aldine silt loam, 0 to 2 percent slopes	0.188
Gulf Coast	TX	Liberty	420.017	420.106	0.0891	TX291	Owentown fine sandy loam, occasionally flooded	0.089
Gulf Coast	TX	Liberty	420.663	423.649	2.9865	TX291	Aldine-Aris complex	2.987
Gulf Coast	TX	Liberty	423.710	424.727	1.0176	TX291	Aldine-Aris complex	1.018
Gulf Coast	TX	Liberty	424.727	424.855	0.1276	TX291	Waller loam	0.128
Gulf Coast	TX	Liberty	424.855	425.141	0.2860	TX291	Vamont silty clay, 0 to 1 percent slopes	0.286
Gulf Coast	TX	Liberty	425.141	427.654	2.5132	TX291	Aldine-Aris complex	2.513
Gulf Coast	TX	Liberty	428.467	429.043	0.5753	TX291	Beaumont clay	0.575
Gulf Coast	TX	Liberty	429.212	429.228	0.0158	TX291	Aldine silt loam, 0 to 2 percent slopes	0.016
Gulf Coast	TX	Liberty	430.272	430.273	0.0014	TX291	Bernard-Morey complex	0.001
Gulf Coast	TX	Liberty	430.816	431.791	0.9751	TX291	Anahuac-Aris complex	0.975
Gulf Coast	TX	Liberty	431.791	432.402	0.6109	TX291	Aldine-Aris complex	0.611
Gulf Coast	TX	Liberty	432.471	432.648	0.1773	TX291	Aldine-Aris complex	0.177
Gulf Coast	TX	Liberty	434.167	435.958	1.7908	TX291	Aldine-Aris complex	1.791
Gulf Coast	TX	Liberty	435.958	436.266	0.3079	TX291	Aldine silt loam, 0 to 2 percent slopes	0.308
Gulf Coast	TX	Liberty	436.266	436.752	0.4863	TX291	Aldine-Aris complex	0.486
Gulf Coast	TX	Hardin	437.137	437.267	0.1302	TX199	Aris-Spindletop complex, 0 to 1 percent slopes	0.130
Gulf Coast	TX	Hardin	437.317	437.904	0.5873	TX199	Beaumont clay, 0 to 1 percent slopes	0.587
Gulf Coast	TX	Hardin	438.234	438.299	0.0651	TX199	Evadale-Texla complex, 0 to 1 percent slopes	0.065
Gulf Coast	TX	Hardin	438.299	438.342	0.0429	TX199	Bevil clay, 0 to 1 percent slopes	0.043
Gulf Coast	TX	Hardin	438.342	438.838	0.4959	TX199	Vamont clay, 0 to 1 percent slopes	0.496
Gulf Coast	TX	Hardin	438.838	438.920	0.0817	TX199	Bevil clay, 0 to 1 percent slopes	0.082
Gulf Coast	TX	Hardin	438.920	439.333	0.4134	TX199	Evadale-Texla complex, 0 to 1 percent slopes	0.413
Gulf Coast	TX	Hardin	439.333	439.890	0.5567	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.557
Gulf Coast	TX	Hardin	439.962	440.146	0.1841	TX199	Batson very fine sandy loam, 0 to 1 percent slopes	0.184
Gulf Coast	TX	Hardin	440.146	440.850	0.7039	TX199	Camptown-Batson complex, 0 to 1 percent slopes	0.704
Gulf Coast	TX	Hardin	440.850	442.192	1.3423	TX199	Evadale-Texla complex, 0 to 1 percent slopes	1.342
Gulf Coast	TX	Hardin	442.192	442.568	0.3762	TX199	Aris-Spindletop complex, 0 to 1 percent slopes	0.376
Gulf Coast	TX	Hardin	442.568	442.676	0.1083	TX199	Aris-Levac complex, 0 to 1 percent slopes	0.108
Gulf Coast	TX	Hardin	442.676	443.011	0.3346	TX199	Aris-Spindletop complex, 0 to 1 percent slopes	0.335
Gulf Coast	TX	Hardin	443.011	443.323	0.3120	TX199	Labelle-Spindletop complex, 0 to 1 percent slopes	0.312
Gulf Coast	TX	Hardin	443.323	443.403	0.0805	TX199	Bevil clay, 0 to 1 percent slopes	0.081
Gulf Coast	TX	Hardin	443.403	443.496	0.0924	TX199	Aris-Spindletop complex, 0 to 1 percent slopes	0.092
Gulf Coast	TX	Hardin	443.496	444.658	1.1625	TX199	Evadale-Texla complex, 0 to 1 percent slopes	1.162
Gulf Coast	TX	Hardin	444.845	445.206	0.3611	TX199	Vamont clay, 0 to 1 percent slopes	0.361
Gulf Coast	TX	Hardin	445.206	445.388	0.1818	TX199	Evadale-Texla complex, 0 to 1 percent slopes	0.182
Gulf Coast	TX	Hardin	445.388	445.638	0.2500	TX199	Vamont clay, 0 to 1 percent slopes	0.250
Gulf Coast	TX	Hardin	445.638	446.331	0.6935	TX199	Evadale-Texla complex, 0 to 1 percent slopes	0.694
Gulf Coast	TX	Hardin	446.554	446.836	0.2819	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.282
Gulf Coast	TX	Hardin	446.836	446.890	0.0545	TX199	Spurger very fine sandy loam, 0 to 2 percent slopes	0.055
Gulf Coast	TX	Hardin	446.890	446.970	0.0794	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.079
Gulf Coast	TX	Hardin	446.970	447.250	0.2805	TX199	Spurger very fine sandy loam, 0 to 2 percent slopes	0.280
Gulf Coast	TX	Hardin	447.250	447.293	0.0423	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.042
Gulf Coast	TX	Hardin	447.293	447.338	0.0458	TX199	Spurger very fine sandy loam, 0 to 2 percent slopes	0.046
Gulf Coast	TX	Hardin	447.375	447.670	0.2954	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.295
Gulf Coast	TX	Hardin	447.838	447.976	0.1388	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.139
Gulf Coast	TX	Hardin	448.048	448.438	0.3900	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.390
Gulf Coast	TX	Hardin	448.438	448.677	0.2390	TX199	Anahuac-Aris complex, 0 to 1 percent slopes	0.239
Gulf Coast	TX	Liberty	448.981	449.353	0.3721	TX291	Aldine-Aris complex	0.372
Gulf Coast	TX	Jefferson	449.353	451.089	1.7359	TX623	Orcadia-Aris complex, 0 to 1 percent slopes	1.736
Gulf Coast	TX	Jefferson	451.089	451.241	0.1523	TX623	Orcadia silt loam, 0 to 2 percent slopes	0.152
Gulf Coast	TX	Jefferson	451.241	451.375	0.1341	TX623	Orcadia-Aris complex, 0 to 1 percent slopes	0.134
Gulf Coast	TX	Jefferson	452.113	452.708	0.5948	TX623	Orcadia-Aris complex, 0 to 1 percent slopes	0.595
Gulf Coast	TX	Jefferson	454.469	455.294	0.8247	TX623	Orcadia-Aris complex, 0 to 1 percent slopes	0.825
Gulf Coast	TX	Jefferson	455.400	455.704	0.3048	TX623	Orcadia-Aris complex, 0 to 1 percent slopes	0.305
Gulf Coast	TX	Jefferson	455.704	456.549	0.8450	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.845
Gulf Coast	TX	Jefferson	456.908	457.818	0.9100	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.910
Gulf Coast	TX	Jefferson	457.923	458.305	0.3816	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.382

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Gulf Coast	TX	Jefferson	458.305	458.340	0.0352	TX623	Labelle silt loam, 0 to 1 percent slopes	0.035
Gulf Coast	TX	Jefferson	458.340	458.396	0.0559	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.056
Gulf Coast	TX	Jefferson	458.396	458.974	0.5779	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.578
Gulf Coast	TX	Jefferson	458.974	459.192	0.2184	TX623	Labelle silt loam, 0 to 1 percent slopes	0.218
Gulf Coast	TX	Jefferson	459.224	459.712	0.4876	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.488
Gulf Coast	TX	Jefferson	459.712	459.748	0.0365	TX623	League clay, 0 to 1 percent slopes	0.036
Gulf Coast	TX	Jefferson	459.748	459.880	0.1314	TX623	Beaumont clay, 0 to 1 percent slopes	0.131
Gulf Coast	TX	Jefferson	459.910	460.637	0.7274	TX623	Beaumont clay, 0 to 1 percent slopes	0.727
Gulf Coast	TX	Jefferson	460.637	460.884	0.2467	TX623	League clay, 0 to 1 percent slopes	0.247
Gulf Coast	TX	Jefferson	460.884	461.590	0.7063	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.706
Gulf Coast	TX	Jefferson	461.590	462.050	0.4592	TX623	League clay, 0 to 1 percent slopes	0.459
Gulf Coast	TX	Jefferson	462.050	462.239	0.1897	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.190
Gulf Coast	TX	Jefferson	462.239	462.524	0.2845	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.284
Gulf Coast	TX	Jefferson	462.581	463.030	0.4491	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.449
Gulf Coast	TX	Jefferson	463.030	463.276	0.2465	TX623	Morey-Levac complex, 0 to 1 percent slopes	0.247
Gulf Coast	TX	Jefferson	463.276	463.417	0.1409	TX623	League clay, 0 to 1 percent slopes	0.141
Gulf Coast	TX	Jefferson	463.444	464.095	0.6502	TX623	Morey-Levac complex, 0 to 1 percent slopes	0.650
Gulf Coast	TX	Jefferson	464.095	464.459	0.3641	TX623	League clay, 0 to 1 percent slopes	0.364
Gulf Coast	TX	Jefferson	464.459	464.834	0.3754	TX623	Morey-Levac complex, 0 to 1 percent slopes	0.375
Gulf Coast	TX	Jefferson	464.834	465.569	0.7344	TX623	League clay, 0 to 1 percent slopes	0.734
Gulf Coast	TX	Jefferson	465.569	466.499	0.9305	TX623	Beaumont clay, 0 to 1 percent slopes	0.931
Gulf Coast	TX	Jefferson	466.499	466.787	0.2881	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.288
Gulf Coast	TX	Jefferson	466.787	466.849	0.0623	TX623	Beaumont clay, 0 to 1 percent slopes	0.062
Gulf Coast	TX	Jefferson	466.849	466.946	0.0969	TX623	China clay, 0 to 1 percent slopes	0.097
Gulf Coast	TX	Jefferson	466.946	467.123	0.1762	TX623	Beaumont clay, 0 to 1 percent slopes	0.176
Gulf Coast	TX	Jefferson	467.123	468.219	1.0969	TX623	China clay, 0 to 1 percent slopes	1.097
Gulf Coast	TX	Jefferson	468.219	468.649	0.4294	TX623	Beaumont clay, 0 to 1 percent slopes	0.429
Gulf Coast	TX	Jefferson	468.649	469.076	0.4273	TX623	League clay, 0 to 1 percent slopes	0.427
Gulf Coast	TX	Jefferson	469.076	470.846	1.7704	TX623	Beaumont clay, 0 to 1 percent slopes	1.770
Gulf Coast	TX	Jefferson	471.101	471.242	0.1406	TX623	Beaumont clay, 0 to 1 percent slopes	0.141
Gulf Coast	TX	Jefferson	471.242	471.376	0.1340	TX623	League clay, 0 to 1 percent slopes	0.134
Gulf Coast	TX	Jefferson	471.376	472.341	0.9650	TX623	Beaumont clay, 0 to 1 percent slopes	0.965
Gulf Coast	TX	Jefferson	472.341	474.431	2.0903	TX623	League clay, 0 to 1 percent slopes	2.090
Gulf Coast	TX	Jefferson	474.431	474.647	0.2155	TX623	Morey-Levac complex, 0 to 1 percent slopes	0.215
Gulf Coast	TX	Jefferson	474.647	474.969	0.3223	TX623	Anahuac very fine sandy loam, 0 to 2 percent slopes	0.274
Gulf Coast	TX	Jefferson	474.969	475.507	0.5380	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.538
Gulf Coast	TX	Jefferson	475.628	475.794	0.1654	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.165
Gulf Coast	TX	Jefferson	476.292	477.397	1.1053	TX623	League clay, 0 to 1 percent slopes	1.105
Gulf Coast	TX	Jefferson	477.397	477.583	0.1861	TX623	Beaumont clay, 0 to 1 percent slopes	0.186
Gulf Coast	TX	Jefferson	477.583	478.273	0.6903	TX623	League clay, 0 to 1 percent slopes	0.690
Gulf Coast	TX	Jefferson	478.846	478.895	0.0484	TX623	Orcadia silt loam, 0 to 2 percent slopes	0.048
Gulf Coast	TX	Jefferson	479.025	479.374	0.3488	TX623	Orcadia silt loam, 0 to 2 percent slopes	0.349
Gulf Coast	TX	Jefferson	479.472	479.723	0.2512	TX623	Orcadia silt loam, 0 to 2 percent slopes	0.251
HOUSTON LATERAL								
Houston Lateral	TX	Liberty	1.830	2.774	0.9439	TX291	Aldine silt loam, 0 to 2 percent slopes	0.944
Houston Lateral	TX	Liberty	2.774	4.365	1.5910	TX291	Aldine-Aris complex	1.591
Houston Lateral	TX	Liberty	4.365	4.558	0.1928	TX291	Aldine silt loam, 0 to 2 percent slopes	0.193
Houston Lateral	TX	Liberty	4.558	4.706	0.1478	TX291	Beaumont clay	0.148
Houston Lateral	TX	Liberty	4.706	4.904	0.1985	TX291	Aldine-Aris complex	0.198
Houston Lateral	TX	Liberty	5.652	5.723	0.0712	TX291	Beaumont clay	0.071
Houston Lateral	TX	Liberty	5.726	6.162	0.4354	TX291	Beaumont clay	0.435
Houston Lateral	TX	Liberty	6.226	6.812	0.5857	TX291	Beaumont clay	0.586
Houston Lateral	TX	Liberty	7.251	7.853	0.6015	TX291	Aldine-Aris complex	0.601
Houston Lateral	TX	Liberty	7.947	8.035	0.0878	TX291	Aldine-Aris complex	0.088
Houston Lateral	TX	Liberty	8.400	8.585	0.1853	TX291	Beaumont clay	0.185
Houston Lateral	TX	Liberty	8.773	8.812	0.0381	TX291	Anahuac-Aris complex	0.038
Houston Lateral	TX	Liberty	8.905	9.805	0.8995	TX291	Anahuac-Aris complex	0.899
Houston Lateral	TX	Liberty	9.805	10.501	0.6964	TX291	Bevil silty clay, depressional	0.696
Houston Lateral	TX	Liberty	10.501	10.704	0.2028	TX291	Anahuac-Aris complex	0.203
Houston Lateral	TX	Liberty	11.167	11.270	0.1035	TX291	Anahuac-Aris complex	0.103
Houston Lateral	TX	Liberty	11.323	11.668	0.3453	TX291	Anahuac-Aris complex	0.345
Houston Lateral	TX	Liberty	11.885	12.076	0.1908	TX291	Anahuac-Aris complex	0.191
Houston Lateral	TX	Liberty	12.076	12.289	0.2130	TX291	Aldine-Aris complex	0.213
Houston Lateral	TX	Liberty	12.289	12.963	0.6743	TX291	Anahuac-Aris complex	0.674
Houston Lateral	TX	Liberty	12.963	13.050	0.0867	TX291	Mocarey-Yeaton complex	0.087
Houston Lateral	TX	Liberty	13.050	13.208	0.1578	TX291	Bernard-Morey complex	0.158
Houston Lateral	TX	Liberty	13.208	13.607	0.3993	TX291	Beaumont clay	0.399
Houston Lateral	TX	Liberty	13.607	14.209	0.6020	TX291	Bernard-Morey complex	0.602
Houston Lateral	TX	Liberty	14.209	14.249	0.0402	TX291	Anahuac-Aris complex	0.040
Houston Lateral	TX	Liberty	14.249	14.299	0.0502	TX291	Bernard-Morey complex	0.050
Houston Lateral	TX	Liberty	14.299	15.265	0.9654	TX291	Anahuac-Aris complex	0.965

Table K-2 Prime Farmland Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Prime Farmland (miles)
Houston Lateral	TX	Liberty	16.115	17.522	1.4075	TX291	Kaman clay, occasionally flooded	1.408
Houston Lateral	TX	Liberty	18.351	18.916	0.5651	TX291	Spurger-Waller complex, 0 to 2 percent slopes	0.565
Houston Lateral	TX	Liberty	18.916	18.937	0.0209	TX291	Kaman clay, occasionally flooded	0.021
Houston Lateral	TX	Liberty	22.494	22.596	0.1022	TX291	Aldine-Aris complex	0.102
Houston Lateral	TX	Liberty	22.596	22.984	0.3873	TX291	Beaumont clay	0.387
Houston Lateral	TX	Liberty	23.183	23.483	0.2996	TX291	Aldine-Aris complex	0.300
Houston Lateral	TX	Liberty	23.483	23.955	0.4722	TX291	Beaumont clay	0.472
Houston Lateral	TX	Liberty	23.955	27.019	3.0640	TX291	Bernard-Morey complex	3.064
Houston Lateral	TX	Liberty	27.019	28.019	1.0003	TX291	Beaumont clay	1.000
Houston Lateral	TX	Liberty	28.019	29.173	1.1542	TX291	League clay, 0 to 1 percent slopes	1.154
Houston Lateral	TX	Liberty	29.355	29.713	0.3585	TX291	League clay, 0 to 1 percent slopes	0.358
Houston Lateral	TX	Liberty	29.713	30.187	0.4736	TX291	Mocarey-Yeaton complex	0.474
Houston Lateral	TX	Liberty	30.187	31.286	1.0987	TX291	Beaumont clay	1.099
Houston Lateral	TX	Liberty	31.286	31.577	0.2917	TX291	Mocarey-Yeaton complex	0.292
Houston Lateral	TX	Liberty	31.577	31.867	0.2892	TX291	Bernard-Morey complex	0.289
Houston Lateral	TX	Chambers	31.867	32.783	0.9168	TX071	Morey silt loam, levelled	0.917
Houston Lateral	TX	Chambers	32.783	34.183	1.4000	TX071	Lake Charles clay, 0 to 1 percent slopes	1.400
Houston Lateral	TX	Chambers	34.183	35.553	1.3701	TX071	Beaumont clay	1.370
Houston Lateral	TX	Chambers	35.553	35.594	0.0408	TX071	Lake Charles clay, 0 to 1 percent slopes	0.041
Houston Lateral	TX	Harris	35.594	38.043	2.4488	TX201	Lake Charles clay, 0 to 1 percent slopes	2.449
Houston Lateral	TX	Harris	38.223	38.316	0.0927	TX201	Bernard clay loam	0.093
Houston Lateral	TX	Harris	38.761	38.833	0.0725	TX201	Bernard clay loam	0.072
Houston Lateral	TX	Harris	40.161	40.425	0.2634	TX201	Bernard-Edna complex	0.263
Houston Lateral	TX	Harris	40.425	40.651	0.2261	TX201	Verland silty clay loam	0.226
Houston Lateral	TX	Harris	40.651	41.137	0.4859	TX201	Bernard-Edna complex	0.486
Houston Lateral	TX	Harris	41.137	41.645	0.5083	TX201	Verland silty clay loam	0.508
Houston Lateral	TX	Harris	41.717	41.771	0.0544	TX201	Vamont clay, 1 to 4 percent slopes	0.054
Houston Lateral	TX	Harris	41.771	42.009	0.2379	TX201	Lake Charles clay, 0 to 1 percent slopes	0.238
Houston Lateral	TX	Harris	44.734	44.861	0.1267	TX201	Bernard clay loam	0.127
Houston Lateral	TX	Harris	44.861	45.148	0.2870	TX201	Ozan loam	0.287
Houston Lateral	TX	Harris	45.148	45.579	0.4311	TX201	Bernard clay loam	0.431
Houston Lateral	TX	Harris	45.688	45.932	0.2438	TX201	Bernard clay loam	0.244
Houston Lateral	TX	Harris	45.932	45.982	0.0504	TX201	Gessner loam	0.050
Houston Lateral	TX	Harris	45.982	46.521	0.5390	TX201	Bernard clay loam	0.539
Houston Lateral	TX	Harris	46.521	47.220	0.6994	TX201	Verland silty clay loam	0.699
Houston Lateral	TX	Harris	47.867	48.568	0.7003	TX201	Lake Charles clay, 0 to 1 percent slopes	0.700

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
STEELE CITY SEGMENT								
Steele City	MT	Phillips	0.000	0.740	0.740	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	0.015
Steele City	MT	Phillips	0.740	0.752	0.013	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.000
Steele City	MT	Phillips	0.752	0.876	0.124	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.002
Steele City	MT	Phillips	0.876	1.082	0.205	MT641	Phillips loam, 0 to 4 percent slopes	0.002
Steele City	MT	Phillips	1.242	1.492	0.250	MT641	Scobey clay loam, 0 to 4 percent slopes	0.003
Steele City	MT	Phillips	1.492	1.582	0.090	MT641	Scobey-Phillips complex, 0 to 4 percent slopes	0.001
Steele City	MT	Phillips	1.582	1.717	0.135	MT641	Phillips loam, 0 to 4 percent slopes	0.001
Steele City	MT	Phillips	1.717	2.061	0.344	MT641	Scobey clay loam, 0 to 4 percent slopes	0.003
Steele City	MT	Phillips	2.061	2.275	0.214	MT641	Scobey-Phillips complex, 0 to 4 percent slopes	0.002
Steele City	MT	Phillips	2.527	3.740	1.213	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	0.024
Steele City	MT	Phillips	3.740	3.999	0.259	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.005
Steele City	MT	Phillips	3.999	5.949	1.949	MT641	Phillips-Kevin, gravelly complex, 2 to 8 percent slopes	0.019
Steele City	MT	Phillips	5.949	6.179	0.231	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.005
Steele City	MT	Phillips	6.179	6.465	0.285	MT641	Scobey-Phillips complex, 0 to 4 percent slopes	0.003
Steele City	MT	Phillips	6.465	6.865	0.401	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.008
Steele City	MT	Phillips	6.865	7.147	0.282	MT641	Scobey-Phillips complex, 0 to 4 percent slopes	0.003
Steele City	MT	Phillips	7.147	7.761	0.614	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.012
Steele City	MT	Phillips	7.761	7.949	0.188	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.004
Steele City	MT	Phillips	7.949	8.074	0.125	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.001
Steele City	MT	Phillips	8.148	8.276	0.128	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.001
Steele City	MT	Phillips	8.364	8.606	0.242	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.002
Steele City	MT	Phillips	9.118	9.278	0.160	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.003
Steele City	MT	Phillips	9.278	9.407	0.129	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.003
Steele City	MT	Phillips	9.407	9.778	0.370	MT641	Kevin-Sunburst clay loams, 2 to 8 percent slopes	0.007
Steele City	MT	Phillips	9.778	10.033	0.255	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.005
Steele City	MT	Phillips	10.155	10.202	0.047	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.001
Steele City	MT	Phillips	10.409	10.419	0.010	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.000
Steele City	MT	Phillips	10.419	10.911	0.492	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	0.010
Steele City	MT	Phillips	10.975	11.505	0.530	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	0.011
Steele City	MT	Phillips	12.044	12.363	0.318	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.003
Steele City	MT	Phillips	12.363	12.480	0.117	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.001
Steele City	MT	Phillips	12.480	13.023	0.543	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.011
Steele City	MT	Phillips	13.109	13.423	0.314	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.003
Steele City	MT	Phillips	13.423	13.513	0.089	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.001
Steele City	MT	Phillips	13.532	13.650	0.118	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.001
Steele City	MT	Phillips	13.815	14.373	0.558	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.011
Steele City	MT	Phillips	14.373	15.332	0.960	MT641	Hillon-Kevin complex, 8 to 15 percent slopes	0.010
Steele City	MT	Phillips	15.427	15.444	0.017	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.000
Steele City	MT	Phillips	15.461	15.472	0.011	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.000
Steele City	MT	Phillips	15.814	16.211	0.397	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.008
Steele City	MT	Phillips	16.540	16.760	0.220	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.004
Steele City	MT	Phillips	16.760	16.825	0.064	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.001
Steele City	MT	Phillips	16.825	16.942	0.118	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.002
Steele City	MT	Phillips	16.942	17.012	0.070	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.001
Steele City	MT	Phillips	17.012	17.049	0.037	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.001
Steele City	MT	Phillips	17.171	17.314	0.143	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.003
Steele City	MT	Phillips	17.314	17.673	0.360	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.007
Steele City	MT	Phillips	17.673	17.823	0.150	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.003
Steele City	MT	Phillips	17.855	17.959	0.105	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.002
Steele City	MT	Phillips	17.959	18.226	0.266	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.005
Steele City	MT	Phillips	18.226	18.302	0.076	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.001
Steele City	MT	Phillips	18.302	18.392	0.090	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.002
Steele City	MT	Phillips	18.392	18.449	0.057	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.001
Steele City	MT	Phillips	18.449	18.499	0.050	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.001
Steele City	MT	Phillips	18.499	18.500	0.000	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.000
Steele City	MT	Phillips	18.533	18.555	0.022	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.000
Steele City	MT	Phillips	18.757	19.316	0.559	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.011
Steele City	MT	Phillips	19.650	19.750	0.099	MT641	Phillips-Kevin complex, 2 to 8 percent slopes	0.001
Steele City	MT	Phillips	19.789	20.015	0.226	MT641	Phillips-Kevin complex, 2 to 8 percent slopes	0.002
Steele City	MT	Phillips	20.015	20.257	0.242	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.005
Steele City	MT	Phillips	20.257	20.337	0.080	MT641	Phillips-Kevin complex, 2 to 8 percent slopes	0.001
Steele City	MT	Phillips	20.337	20.691	0.355	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.007
Steele City	MT	Phillips	20.734	20.788	0.054	MT641	Harlake clay, 0 to 2 percent slopes	0.001
Steele City	MT	Phillips	20.788	21.075	0.287	MT641	Hillon-Kevin complex, 8 to 15 percent slopes	0.003
Steele City	MT	Phillips	21.075	21.283	0.209	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.004
Steele City	MT	Phillips	21.544	21.584	0.041	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.001
Steele City	MT	Phillips	21.609	21.782	0.173	MT641	Hillon-Kevin complex, 8 to 15 percent slopes	0.002
Steele City	MT	Phillips	21.782	21.983	0.201	MT641	Phillips-Kevin complex, 2 to 8 percent slopes	0.002
Steele City	MT	Phillips	22.039	22.881	0.842	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.017
Steele City	MT	Phillips	22.881	22.935	0.055	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.001
Steele City	MT	Phillips	22.935	23.912	0.977	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.020
Steele City	MT	Phillips	23.994	24.491	0.497	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.010
Steele City	MT	Phillips	24.491	25.183	0.692	MT641	Telstad-Joplin loams, 2 to 8 percent slopes	0.007
Steele City	MT	Phillips	25.461	25.757	0.296	MT641	Harlake-Havre clay loams, 0 to 2 percent slopes	0.006
Steele City	MT	Valley	25.757	25.997	0.240	MT105	Typic Fluvaquents, gently sloping	0.024
Steele City	MT	Valley	26.116	27.299	1.182	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.012
Steele City	MT	Valley	27.452	28.218	0.766	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.008
Steele City	MT	Valley	28.218	28.702	0.484	MT105	Phillips loam, 0 to 5 percent slopes	0.005

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	MT	Valley	28.702	29.079	0.376	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.004
Steele City	MT	Valley	29.079	29.379	0.301	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.003
Steele City	MT	Valley	29.379	29.571	0.192	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.002
Steele City	MT	Valley	29.571	30.063	0.491	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.005
Steele City	MT	Valley	30.063	30.378	0.316	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.003
Steele City	MT	Valley	30.378	30.635	0.256	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.003
Steele City	MT	Valley	30.635	30.913	0.278	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.003
Steele City	MT	Valley	30.913	31.300	0.388	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.004
Steele City	MT	Valley	31.300	31.822	0.521	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.005
Steele City	MT	Valley	31.822	32.282	0.461	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.005
Steele City	MT	Valley	33.038	33.838	0.801	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.008
Steele City	MT	Valley	33.954	34.586	0.632	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.006
Steele City	MT	Valley	34.586	34.635	0.049	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.000
Steele City	MT	Valley	34.635	34.689	0.054	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.001
Steele City	MT	Valley	34.689	35.167	0.477	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.005
Steele City	MT	Valley	35.167	35.317	0.150	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.002
Steele City	MT	Valley	35.317	35.433	0.116	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.001
Steele City	MT	Valley	35.433	35.510	0.077	MT105	Phillips loam, 0 to 5 percent slopes	0.001
Steele City	MT	Valley	35.587	35.855	0.268	MT105	Phillips loam, 0 to 5 percent slopes	0.003
Steele City	MT	Valley	36.263	36.583	0.321	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.003
Steele City	MT	Valley	38.199	38.652	0.452	MT105	Scobey clay loam, 1 to 9 percent slopes	0.005
Steele City	MT	Valley	38.754	38.850	0.096	MT105	Scobey clay loam, 1 to 9 percent slopes	0.001
Steele City	MT	Valley	39.599	40.079	0.480	MT105	Telstad loam, 1 to 9 percent slopes	0.005
Steele City	MT	Valley	41.637	42.352	0.715	MT105	Scobey clay loam, 1 to 9 percent slopes	0.007
Steele City	MT	Valley	42.437	42.563	0.127	MT105	Scobey clay loam, 1 to 9 percent slopes	0.001
Steele City	MT	Valley	43.156	43.245	0.088	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.001
Steele City	MT	Valley	43.245	43.533	0.288	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.003
Steele City	MT	Valley	43.533	43.664	0.131	MT105	Phillips loam, 0 to 5 percent slopes	0.001
Steele City	MT	Valley	43.664	44.002	0.338	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.003
Steele City	MT	Valley	44.002	44.144	0.142	MT105	Phillips loam, 0 to 5 percent slopes	0.001
Steele City	MT	Valley	44.144	44.394	0.251	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.003
Steele City	MT	Valley	44.475	44.793	0.319	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.003
Steele City	MT	Valley	45.197	45.442	0.246	MT105	Phillips loam, 0 to 5 percent slopes	0.002
Steele City	MT	Valley	46.136	46.172	0.036	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.000
Steele City	MT	Valley	46.172	46.305	0.134	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.001
Steele City	MT	Valley	46.305	46.599	0.294	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.003
Steele City	MT	Valley	46.914	46.927	0.013	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.000
Steele City	MT	Valley	47.006	47.278	0.272	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.003
Steele City	MT	Valley	47.554	47.801	0.247	MT105	Phillips loam, 0 to 5 percent slopes	0.002
Steele City	MT	Valley	47.905	48.021	0.117	MT105	Phillips loam, 0 to 5 percent slopes	0.001
Steele City	MT	Valley	48.484	48.638	0.153	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.002
Steele City	MT	Valley	48.689	48.713	0.024	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000
Steele City	MT	Valley	48.767	48.832	0.065	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.001
Steele City	MT	Valley	48.993	49.036	0.043	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000
Steele City	MT	Valley	49.108	51.068	1.960	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.020
Steele City	MT	Valley	51.478	51.554	0.076	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.001
Steele City	MT	Valley	51.721	52.135	0.413	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.004
Steele City	MT	Valley	52.440	52.878	0.438	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.004
Steele City	MT	Valley	52.947	53.125	0.178	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.002
Steele City	MT	Valley	54.011	54.303	0.293	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.003
Steele City	MT	Valley	54.303	54.745	0.442	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.004
Steele City	MT	Valley	55.755	55.828	0.073	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.001
Steele City	MT	Valley	55.993	56.037	0.044	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000
Steele City	MT	Valley	56.137	56.511	0.375	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.004
Steele City	MT	Valley	56.583	56.835	0.251	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.003
Steele City	MT	Valley	56.892	57.064	0.173	MT105	Aquic Ustifluvents, saline	0.009
Steele City	MT	Valley	57.205	57.270	0.065	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.001
Steele City	MT	Valley	57.337	57.402	0.065	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.001
Steele City	MT	Valley	57.596	57.799	0.203	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.002
Steele City	MT	Valley	58.380	59.245	0.865	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.009
Steele City	MT	Valley	59.752	59.925	0.174	MT105	Aquic Ustifluvents, saline	0.009
Steele City	MT	Valley	60.131	61.142	1.012	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.010
Steele City	MT	Valley	61.933	63.224	1.292	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.013
Steele City	MT	Valley	63.224	63.632	0.407	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.004
Steele City	MT	Valley	63.632	64.157	0.526	MT105	Phillips loam, 0 to 5 percent slopes	0.005
Steele City	MT	Valley	64.157	64.948	0.791	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.008
Steele City	MT	Valley	64.948	66.849	1.900	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.019
Steele City	MT	Valley	67.142	67.237	0.095	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.001
Steele City	MT	Valley	67.461	67.603	0.142	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.001
Steele City	MT	Valley	67.603	67.807	0.204	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.002
Steele City	MT	Valley	67.807	68.031	0.223	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.002
Steele City	MT	Valley	68.031	68.333	0.302	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.003
Steele City	MT	Valley	68.596	69.204	0.608	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.006
Steele City	MT	Valley	69.245	69.439	0.194	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.002
Steele City	MT	Valley	69.439	70.256	0.817	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.008
Steele City	MT	Valley	70.256	70.414	0.158	MT105	Aquic Ustifluvents, saline	0.008
Steele City	MT	Valley	70.568	70.784	0.216	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.002
Steele City	MT	Valley	71.047	72.909	1.862	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.019
Steele City	MT	Valley	72.909	73.437	0.528	MT105	Scobey clay loam, 1 to 9 percent slopes	0.005

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	MT	Valley	73.437	73.535	0.098	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.001
Steele City	MT	Valley	73.535	73.606	0.071	MT105	Scobey clay loam, 1 to 9 percent slopes	0.001
Steele City	MT	Valley	73.606	75.808	2.202	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.022
Steele City	MT	Valley	75.986	76.489	0.503	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.005
Steele City	MT	Valley	76.514	77.759	1.245	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.012
Steele City	MT	Valley	77.922	78.056	0.133	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.001
Steele City	MT	Valley	78.287	78.684	0.397	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.004
Steele City	MT	Valley	78.684	78.856	0.172	MT105	Nishon loam	0.164
Steele City	MT	Valley	78.856	79.304	0.448	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.004
Steele City	MT	Valley	79.304	79.676	0.372	MT105	Scobey clay loam, 1 to 9 percent slopes	0.004
Steele City	MT	Valley	79.676	80.784	1.108	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.011
Steele City	MT	Valley	82.412	82.492	0.080	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.001
Steele City	MT	Valley	85.289	85.598	0.309	MT105	Phillips loam, 0 to 5 percent slopes	0.003
Steele City	MT	Valley	85.990	86.155	0.164	MT105	Phillips loam, 0 to 5 percent slopes	0.002
Steele City	MT	McCone	89.858	90.046	0.187	MT055	Harlem silty clay, protected	0.004
Steele City	MT	McCone	93.537	93.572	0.035	MT055	Aeric Fluvaquents, loamy	0.002
Steele City	MT	McCone	102.410	102.460	0.051	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.002
Steele City	MT	McCone	102.490	102.527	0.037	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.001
Steele City	MT	McCone	105.261	105.365	0.104	MT055	Ustic torriorthents-Ustic torrifluvents association	0.002
Steele City	MT	McCone	106.607	106.687	0.080	MT055	Ustic torriorthents-Ustic torrifluvents association	0.002
Steele City	MT	McCone	107.441	107.509	0.068	MT055	Ustic torriorthents-Ustic torrifluvents association	0.001
Steele City	MT	McCone	108.220	108.606	0.386	MT055	Havre silt loam	0.008
Steele City	MT	McCone	110.372	110.506	0.135	MT055	Glendive loam	0.003
Steele City	MT	McCone	111.330	111.366	0.036	MT055	Typic Ustifluvents, saline	0.001
Steele City	MT	McCone	111.366	111.376	0.010	MT055	Ustic torriorthents-Ustic torrifluvents association	0.000
Steele City	MT	McCone	113.717	113.785	0.068	MT055	Ustic torriorthents-Ustic torrifluvents association	0.001
Steele City	MT	McCone	114.213	114.291	0.078	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.002
Steele City	MT	McCone	115.446	115.550	0.104	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.003
Steele City	MT	McCone	115.550	115.583	0.033	MT055	Ustic torriorthents-Ustic torrifluvents association	0.001
Steele City	MT	McCone	119.086	119.158	0.073	MT055	Ustic torriorthents-Ustic torrifluvents association	0.001
Steele City	MT	McCone	119.213	119.280	0.067	MT055	Havre silt loam	0.001
Steele City	MT	McCone	122.249	122.358	0.109	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.003
Steele City	MT	McCone	122.994	123.094	0.100	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.003
Steele City	MT	McCone	124.462	124.536	0.074	MT055	Ustic torriorthents-Ustic torrifluvents association	0.001
Steele City	MT	McCone	126.053	126.132	0.080	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.002
Steele City	MT	McCone	126.132	126.187	0.055	MT055	Ustic torriorthents-Ustic torrifluvents association	0.001
Steele City	MT	McCone	127.549	127.730	0.182	MT055	Alona silt loam, saline, 0 to 2 percent slopes	0.004
Steele City	MT	McCone	134.377	134.427	0.050	MT055	Typic Ustorthents-Typic Ustifluvents association	0.001
Steele City	MT	McCone	135.372	135.436	0.063	MT055	Typic Ustorthents-Typic Ustifluvents association	0.001
Steele City	MT	McCone	136.225	136.292	0.067	MT055	Typic Ustorthents-Typic Ustifluvents association	0.001
Steele City	MT	McCone	138.268	138.354	0.085	MT055	Typic Ustorthents-Typic Ustifluvents association	0.002
Steele City	MT	McCone	138.796	138.852	0.056	MT055	Typic Ustorthents-Typic Ustifluvents association	0.001
Steele City	MT	McCone	139.356	139.404	0.048	MT055	Typic Ustorthents-Typic Ustifluvents association	0.001
Steele City	MT	McCone	144.685	144.759	0.074	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.001
Steele City	MT	McCone	146.144	146.208	0.063	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.001
Steele City	MT	McCone	147.434	147.673	0.239	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.005
Steele City	MT	McCone	149.889	149.962	0.073	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.001
Steele City	MT	McCone	150.488	150.490	0.002	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.000
Steele City	MT	McCone	151.316	151.359	0.044	MT055	Typic Ustorthents-Typic Ustifluvents association	0.001
Steele City	MT	McCone	151.763	151.825	0.062	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.001
Steele City	MT	McCone	153.278	153.323	0.046	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.001
Steele City	MT	Dawson	156.615	156.729	0.115	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.006
Steele City	MT	Dawson	159.207	159.262	0.055	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.003
Steele City	MT	Dawson	159.650	159.708	0.058	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.003
Steele City	MT	Dawson	163.100	163.211	0.111	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.006
Steele City	MT	Dawson	166.099	166.333	0.234	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.012
Steele City	MT	Dawson	166.360	166.409	0.050	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.002
Steele City	MT	Dawson	175.180	175.359	0.179	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.009
Steele City	MT	Dawson	175.615	175.621	0.006	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.000
Steele City	MT	Dawson	188.070	188.198	0.128	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.006
Steele City	MT	Dawson	194.751	194.987	0.236	MT021	Saline land	0.236
Steele City	MT	Prairie	207.932	208.034	0.102	MT079	Ismay silty clay loam, 0 to 2 percent slopes	0.003
Steele City	MT	Prairie	208.900	208.922	0.023	MT079	Ismay silty clay loam, 0 to 2 percent slopes	0.001
Steele City	MT	Prairie	208.976	209.069	0.093	MT079	Ismay silty clay loam, 0 to 2 percent slopes	0.003
Steele City	MT	Fallon	218.317	218.403	0.087	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.001
Steele City	MT	Fallon	218.444	218.596	0.152	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.002
Steele City	MT	Fallon	219.955	220.041	0.086	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.001

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	MT	Fallon	220.221	220.663	0.442	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.004
Steele City	MT	Fallon	220.844	221.394	0.550	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.005
Steele City	MT	Fallon	224.365	224.558	0.193	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.002
Steele City	MT	Fallon	224.958	225.137	0.179	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.002
Steele City	MT	Fallon	225.204	225.271	0.067	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.001
Steele City	MT	Fallon	225.757	225.950	0.192	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.002
Steele City	MT	Fallon	226.837	227.014	0.177	MT025	Havre loam, 0 to 2 percent slopes	0.005
Steele City	MT	Fallon	227.936	227.972	0.036	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000
Steele City	MT	Fallon	230.601	230.899	0.298	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.003
Steele City	MT	Fallon	230.975	231.393	0.418	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.004
Steele City	MT	Fallon	232.708	232.719	0.011	MT025	Havre-Harlake complex, 0 to 2 percent slopes	0.000
Steele City	MT	Fallon	234.389	234.714	0.325	MT025	Havre-Harlake complex, 0 to 2 percent slopes	0.006
Steele City	MT	Fallon	242.978	243.043	0.065	MT025	Neldore-Bascovy clays, 4 to 15 percent slopes	0.001
Steele City	MT	Fallon	243.487	243.576	0.090	MT025	Marvan silty clay, 2 to 8 percent slopes	0.001
Steele City	MT	Fallon	244.256	244.335	0.079	MT025	Havre loam, 0 to 2 percent slopes	0.002
Steele City	MT	Fallon	247.667	247.791	0.123	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.001
Steele City	MT	Fallon	248.327	248.405	0.078	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.001
Steele City	MT	Fallon	248.673	248.800	0.127	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.001
Steele City	MT	Fallon	249.896	250.039	0.143	MT025	Havre loam, 0 to 2 percent slopes	0.004
Steele City	MT	Fallon	250.619	250.713	0.093	MT025	Havre loam, 0 to 2 percent slopes	0.003
Steele City	MT	Fallon	250.820	251.051	0.231	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.002
Steele City	MT	Fallon	251.612	251.671	0.059	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.001
Steele City	MT	Fallon	252.128	252.213	0.085	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.001
Steele City	MT	Fallon	253.070	253.118	0.048	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000
Steele City	MT	Fallon	253.303	253.344	0.041	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000
Steele City	MT	Fallon	253.465	254.648	1.184	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.012
Steele City	MT	Fallon	258.341	258.458	0.117	MT025	Havre loam, saline, 0 to 2 percent slopes	0.001
Steele City	MT	Fallon	258.954	259.115	0.162	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.002
Steele City	MT	Fallon	262.365	262.711	0.346	MT025	Hanly-Ryell fine sandy loams, 0 to 4 percent slopes	0.014
Steele City	MT	Fallon	272.064	272.204	0.140	MT025	Busby, gullied-Delpoint-Yawdim complex, 8 to 25 percent slopes	0.001
Steele City	MT	Fallon	275.177	275.244	0.067	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.001
Steele City	MT	Fallon	275.377	275.396	0.018	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000
Steele City	MT	Fallon	275.669	276.200	0.532	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.005
Steele City	MT	Fallon	276.284	276.372	0.089	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.001
Steele City	MT	Fallon	279.196	279.393	0.197	MT025	Busby, gullied-Delpoint-Yawdim complex, 8 to 25 percent slopes	0.002
Steele City	MT	Fallon	281.042	281.102	0.060	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.001
Steele City	MT	Fallon	281.315	281.424	0.109	MT025	Glendive sandy loam, 0 to 2 percent slopes	0.003
Steele City	MT	Fallon	281.436	281.478	0.042	MT025	Glendive sandy loam, 0 to 2 percent slopes	0.001
Steele City	MT	Fallon	281.862	281.980	0.118	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.001
Steele City	SD	Harding	289.441	289.498	0.056	SD063	Sage loam	0.048
Steele City	SD	Harding	289.498	289.672	0.174	SD063	Korchea loam, channeled	0.007
Steele City	SD	Harding	291.722	291.883	0.161	SD063	Havre loam	0.005
Steele City	SD	Harding	291.883	292.058	0.174	SD063	Glendive fine sandy loam	0.009
Steele City	SD	Harding	292.122	292.438	0.316	SD063	Havre-Harlake complex	0.028
Steele City	SD	Harding	292.438	292.460	0.022	SD063	Glendive fine sandy loam	0.001
Steele City	SD	Harding	300.053	300.174	0.121	SD063	Sage loam	0.103
Steele City	SD	Harding	300.359	300.441	0.082	SD063	Sage loam	0.069
Steele City	SD	Harding	318.027	318.040	0.014	SD063	Hanly fine sandy loam	0.001
Steele City	SD	Harding	318.040	318.143	0.103	SD063	Hanly-Dogiecreek fine sandy loams	0.036
Steele City	SD	Harding	323.017	323.108	0.092	SD063	Hanly-Dogiecreek fine sandy loams	0.032
Steele City	SD	Harding	323.315	323.478	0.162	SD063	Hanly-Slickspots complex	0.002
Steele City	SD	Harding	328.514	328.581	0.067	SD063	Korchea loam	0.001
Steele City	SD	Harding	338.544	338.714	0.171	SD063	Korchea loam, channeled	0.007
Steele City	SD	Harding	339.527	339.630	0.103	SD063	Havre-Harlake complex	0.009
Steele City	SD	Harding	347.140	347.158	0.018	SD063	Hanly loamy fine sand	0.001
Steele City	SD	Harding	347.158	347.352	0.195	SD063	Sage loam	0.165
Steele City	SD	Butte	356.408	356.505	0.097	SD019	Hanly loamy fine sand,	0.005
Steele City	SD	Perkins	357.638	357.669	0.032	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000
Steele City	SD	Perkins	357.762	358.199	0.436	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.004
Steele City	SD	Perkins	358.378	358.416	0.037	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000
Steele City	SD	Perkins	358.454	358.570	0.116	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.001
Steele City	SD	Perkins	359.498	359.763	0.266	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.003
Steele City	SD	Perkins	360.034	360.063	0.029	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	SD	Perkins	360.154	360.563	0.409	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.004
Steele City	SD	Perkins	360.647	360.656	0.009	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000
Steele City	SD	Perkins	360.695	360.930	0.235	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.002
Steele City	SD	Perkins	360.958	361.115	0.157	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.002
Steele City	SD	Perkins	361.370	361.398	0.028	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000
Steele City	SD	Perkins	361.834	361.974	0.140	SD105	Shambo loam, channeled	0.001
Steele City	SD	Perkins	362.248	362.433	0.185	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.002
Steele City	SD	Perkins	364.060	364.295	0.235	SD105	Lohler-Trembles complex	0.002
Steele City	SD	Perkins	364.295	364.352	0.057	SD105	Trembles fine sandy loam	0.001
Steele City	SD	Perkins	364.352	364.484	0.132	SD105	Banks loamy fine sand	0.001
Steele City	SD	Perkins	364.484	364.519	0.035	SD105	Trembles fine sandy loam	0.000
Steele City	SD	Perkins	364.519	364.677	0.159	SD105	Lohler-Trembles complex	0.002
Steele City	SD	Perkins	365.930	366.072	0.142	SD105	Trembles soils, channeled	0.009
Steele City	SD	Perkins	366.469	366.542	0.074	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.001
Steele City	SD	Perkins	366.602	366.665	0.064	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.001
Steele City	SD	Perkins	366.700	366.720	0.019	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000
Steele City	SD	Perkins	367.155	367.273	0.118	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.001
Steele City	SD	Perkins	367.586	367.856	0.270	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.003
Steele City	SD	Perkins	369.044	369.161	0.118	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.001
Steele City	SD	Perkins	370.050	370.237	0.187	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.002
Steele City	SD	Perkins	370.566	370.744	0.179	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.002
Steele City	SD	Perkins	370.970	371.185	0.215	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.002
Steele City	SD	Perkins	371.285	371.337	0.052	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.001
Steele City	SD	Perkins	371.413	371.804	0.390	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.004
Steele City	SD	Perkins	371.804	372.137	0.333	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	0.003
Steele City	SD	Perkins	372.137	372.261	0.123	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.001
Steele City	SD	Perkins	372.261	372.572	0.312	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	0.003
Steele City	SD	Perkins	372.636	372.740	0.104	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	0.001
Steele City	SD	Perkins	372.857	372.883	0.026	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	0.000
Steele City	SD	Meade	373.043	373.233	0.190	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.002
Steele City	SD	Meade	375.579	375.610	0.031	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000
Steele City	SD	Meade	376.150	376.397	0.247	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.002
Steele City	SD	Meade	376.422	376.469	0.048	SD601	Bullock-Slickspots complex, 0 to 4 percent slopes	0.000
Steele City	SD	Meade	376.986	377.048	0.063	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.001
Steele City	SD	Meade	377.141	377.217	0.076	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.001
Steele City	SD	Meade	377.376	377.479	0.103	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.001
Steele City	SD	Meade	377.715	377.794	0.079	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.001
Steele City	SD	Meade	377.930	377.983	0.053	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.001
Steele City	SD	Meade	378.060	378.216	0.156	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.002
Steele City	SD	Meade	378.371	378.716	0.345	SD601	Bullock-Slickspots complex, 0 to 4 percent slopes	0.003
Steele City	SD	Meade	379.059	379.163	0.104	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.001
Steele City	SD	Meade	379.316	379.570	0.254	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.003
Steele City	SD	Meade	379.796	379.981	0.185	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.002
Steele City	SD	Meade	380.099	380.137	0.037	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000
Steele City	SD	Meade	380.175	380.240	0.065	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.001
Steele City	SD	Meade	380.316	380.514	0.197	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.002
Steele City	SD	Meade	380.526	380.559	0.033	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000
Steele City	SD	Meade	380.624	380.764	0.140	SD601	Bullock-Slickspots complex, 0 to 4 percent slopes	0.001
Steele City	SD	Meade	380.764	380.912	0.148	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.001
Steele City	SD	Meade	381.401	382.182	0.781	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.008
Steele City	SD	Meade	383.168	383.290	0.123	SD601	Havre loam, channeled	0.001
Steele City	SD	Meade	383.848	383.904	0.055	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.001
Steele City	SD	Meade	384.034	384.532	0.498	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.005
Steele City	SD	Meade	385.008	385.209	0.200	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.002
Steele City	SD	Meade	385.350	385.395	0.045	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000
Steele City	SD	Meade	385.560	385.627	0.067	SD601	Bullock-Slickspots complex, 0 to 4 percent slopes	0.001
Steele City	SD	Meade	385.994	386.053	0.059	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.001
Steele City	SD	Meade	386.053	386.134	0.081	SD601	Eapa loam, 2 to 6 percent slopes	0.001
Steele City	SD	Meade	386.134	386.257	0.123	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.001
Steele City	SD	Meade	387.829	388.547	0.718	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.007
Steele City	SD	Meade	388.853	389.599	0.746	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.007
Steele City	SD	Meade	389.738	389.993	0.255	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.003
Steele City	SD	Meade	390.200	390.366	0.166	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.002
Steele City	SD	Meade	390.400	390.510	0.109	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.001
Steele City	SD	Meade	390.552	390.588	0.035	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.000
Steele City	SD	Meade	390.658	390.880	0.221	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.002
Steele City	SD	Meade	391.240	391.752	0.512	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.005
Steele City	SD	Meade	391.758	391.821	0.062	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.001
Steele City	SD	Meade	392.168	392.441	0.272	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.003
Steele City	SD	Meade	394.680	394.818	0.138	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.001
Steele City	SD	Meade	398.233	398.258	0.025	SD601	Lohmiller silty clay loam	0.000
Steele City	SD	Meade	398.287	398.533	0.246	SD601	Lohmiller silty clay loam	0.002
Steele City	SD	Meade	398.913	399.072	0.159	SD601	Lohmiller silty clay loam	0.002
Steele City	SD	Meade	399.072	399.429	0.357	SD601	Havre loam	0.004
Steele City	SD	Meade	399.429	399.586	0.157	SD601	Havre loam, channeled	0.002
Steele City	SD	Meade	400.054	400.113	0.060	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.001
Steele City	SD	Meade	400.155	400.182	0.027	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.000
Steele City	SD	Meade	401.887	401.895	0.008	SD601	Eapa loam, 2 to 6 percent slopes	0.000
Steele City	SD	Meade	407.055	407.143	0.087	SD601	Eapa loam, 2 to 6 percent slopes	0.001

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	SD	Meade	407.143	407.840	0.697	SD601	Eapa loam, 0 to 2 percent slopes	0.007
Steele City	SD	Meade	407.954	408.006	0.052	SD601	Havre loam, channeled	0.001
Steele City	SD	Meade	408.006	408.313	0.307	SD601	Havre loam	0.003
Steele City	SD	Meade	408.510	408.571	0.060	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.001
Steele City	SD	Meade	416.975	417.147	0.172	SD601	Nunn clay loam, 2 to 6 percent slopes	0.002
Steele City	SD	Meade	417.467	417.650	0.182	SD601	Nunn clay loam, 2 to 6 percent slopes	0.002
Steele City	SD	Meade	418.021	418.123	0.102	SD601	Nunn clay loam, 2 to 6 percent slopes	0.001
Steele City	SD	Meade	419.074	419.117	0.043	SD601	Stetter clay	0.000
Steele City	SD	Meade	419.573	419.904	0.331	SD601	Stetter clay	0.003
Steele City	SD	Meade	420.223	420.314	0.091	SD601	Stetter clay	0.001
Steele City	SD	Meade	421.677	421.760	0.083	SD601	Lohmiller silty clay loam, channeled	0.001
Steele City	SD	Meade	421.852	422.104	0.251	SD601	Lohmiller silty clay loam, channeled	0.003
Steele City	SD	Meade	422.104	422.267	0.163	SD601	Lohmiller silty clay loam	0.002
Steele City	SD	Meade	422.658	422.750	0.092	SD601	Lohmiller silty clay loam, channeled	0.001
Steele City	SD	Meade	422.750	422.952	0.202	SD601	Lohmiller silty clay loam	0.002
Steele City	SD	Meade	422.952	423.283	0.331	SD601	Lohmiller silty clay loam, channeled	0.003
Steele City	SD	Meade	423.329	423.607	0.278	SD601	Lohmiller silty clay loam, channeled	0.003
Steele City	SD	Meade	423.667	423.878	0.211	SD601	Kyle clay, 0 to 2 percent slopes	0.002
Steele City	SD	Meade	423.878	424.155	0.277	SD601	Kyle clay, 2 to 6 percent slopes	0.003
Steele City	SD	Meade	424.496	424.655	0.160	SD601	Lohmiller silty clay loam, channeled	0.002
Steele City	SD	Meade	424.655	424.670	0.015	SD601	Lohmiller silty clay loam	0.000
Steele City	SD	Meade	424.670	424.695	0.025	SD601	Swanboy clay	0.000
Steele City	SD	Meade	424.695	424.769	0.074	SD601	Lohmiller silty clay loam	0.001
Steele City	SD	Meade	424.769	424.852	0.083	SD601	Swanboy clay	0.001
Steele City	SD	Meade	424.852	424.912	0.060	SD601	Lohmiller silty clay loam	0.001
Steele City	SD	Meade	424.912	425.058	0.146	SD601	Kyle clay, 2 to 6 percent slopes	0.001
Steele City	SD	Meade	425.058	425.177	0.119	SD601	Lohmiller silty clay loam	0.001
Steele City	SD	Pennington	425.629	425.927	0.299	SD605	Riverwash	0.254
Steele City	SD	Pennington	425.927	425.987	0.059	SD605	Lohmiller silty clay	0.001
Steele City	SD	Haakon	426.819	427.701	0.882	SD055	Kirley clay loam, 0 to 2 percent slopes	0.044
Steele City	SD	Haakon	428.047	428.092	0.045	SD055	Ree loam, 0 to 2 percent slopes	0.000
Steele City	SD	Haakon	428.684	428.730	0.046	SD055	Kyle clay, 3 to 6 percent slopes	0.000
Steele City	SD	Haakon	428.735	428.864	0.129	SD055	Kyle clay, 3 to 6 percent slopes	0.001
Steele City	SD	Haakon	428.864	428.949	0.085	SD055	Lohmiller silty clay, channeled	0.001
Steele City	SD	Haakon	428.949	429.076	0.127	SD055	Kyle clay, 3 to 6 percent slopes	0.001
Steele City	SD	Haakon	429.076	429.101	0.025	SD055	Lohmiller silty clay, channeled	0.000
Steele City	SD	Haakon	429.101	429.141	0.040	SD055	Kyle clay, 3 to 6 percent slopes	0.000
Steele City	SD	Haakon	429.863	430.008	0.145	SD055	Ree-Hoven complex	0.022
Steele City	SD	Haakon	430.008	431.762	1.754	SD055	Ree loam, 0 to 2 percent slopes	0.018
Steele City	SD	Haakon	431.951	432.158	0.207	SD055	Ree loam, 2 to 6 percent slopes	0.006
Steele City	SD	Haakon	432.158	432.975	0.817	SD055	Ree loam, 0 to 2 percent slopes	0.008
Steele City	SD	Haakon	432.975	435.130	2.155	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.022
Steele City	SD	Haakon	435.164	435.574	0.411	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.004
Steele City	SD	Haakon	435.574	435.696	0.122	SD055	Kirley clay loam, 2 to 6 percent slopes	0.001
Steele City	SD	Haakon	435.696	435.815	0.118	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.004
Steele City	SD	Haakon	435.815	436.760	0.945	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.009
Steele City	SD	Haakon	436.934	437.152	0.218	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.002
Steele City	SD	Haakon	437.152	437.237	0.085	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.003
Steele City	SD	Haakon	437.237	437.329	0.092	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.001
Steele City	SD	Haakon	437.329	437.595	0.266	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.008
Steele City	SD	Haakon	437.595	437.821	0.227	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.011
Steele City	SD	Haakon	437.821	437.922	0.101	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.003
Steele City	SD	Haakon	438.008	438.368	0.360	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.018
Steele City	SD	Haakon	438.368	438.583	0.215	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.006
Steele City	SD	Haakon	438.583	438.952	0.369	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.018
Steele City	SD	Haakon	439.293	440.256	0.963	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.010
Steele City	SD	Haakon	440.611	440.876	0.266	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.021
Steele City	SD	Haakon	440.876	440.906	0.030	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000
Steele City	SD	Haakon	440.906	441.016	0.110	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.009
Steele City	SD	Haakon	441.016	441.056	0.041	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.001
Steele City	SD	Haakon	441.056	441.149	0.092	SD055	Wendte-Herdcamp silty clays, channeled	0.032
Steele City	SD	Haakon	441.149	441.181	0.032	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.001
Steele City	SD	Haakon	441.181	441.230	0.049	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.002
Steele City	SD	Haakon	441.230	442.739	1.510	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.015
Steele City	SD	Haakon	442.739	442.800	0.060	SD055	Kolls clay	0.054
Steele City	SD	Haakon	442.800	443.255	0.455	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.005
Steele City	SD	Haakon	443.399	443.582	0.183	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.005
Steele City	SD	Haakon	443.582	443.694	0.112	SD055	Wendte-Herdcamp silty clays, channeled	0.039
Steele City	SD	Haakon	443.805	443.999	0.194	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.004
Steele City	SD	Haakon	443.999	444.019	0.020	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Haakon	444.019	444.039	0.020	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000
Steele City	SD	Haakon	444.039	444.353	0.314	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.016
Steele City	SD	Haakon	444.353	444.781	0.428	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.009
Steele City	SD	Haakon	444.781	444.993	0.212	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.011
Steele City	SD	Haakon	444.993	445.091	0.098	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.002
Steele City	SD	Haakon	445.091	446.243	1.152	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.058
Steele City	SD	Haakon	446.243	446.282	0.040	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.003
Steele City	SD	Haakon	446.282	446.773	0.491	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.025
Steele City	SD	Haakon	447.229	447.348	0.119	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.006

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	SD	Haakon	447.417	447.628	0.211	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.002
Steele City	SD	Haakon	447.628	447.881	0.253	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.008
Steele City	SD	Haakon	447.881	448.154	0.274	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.005
Steele City	SD	Haakon	448.154	448.206	0.051	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.002
Steele City	SD	Haakon	448.206	448.271	0.065	SD055	Capa-Wendte, channeled, complex	0.003
Steele City	SD	Haakon	448.271	448.344	0.073	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.002
Steele City	SD	Haakon	448.344	448.622	0.278	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.003
Steele City	SD	Haakon	448.642	448.783	0.141	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.001
Steele City	SD	Haakon	448.783	448.861	0.078	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.002
Steele City	SD	Haakon	448.861	449.136	0.275	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.003
Steele City	SD	Haakon	449.136	449.247	0.110	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.003
Steele City	SD	Haakon	449.247	449.425	0.179	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.002
Steele City	SD	Haakon	449.425	449.529	0.104	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.003
Steele City	SD	Haakon	449.529	449.701	0.172	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.002
Steele City	SD	Haakon	449.701	449.906	0.204	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.006
Steele City	SD	Haakon	449.906	449.963	0.058	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.001
Steele City	SD	Haakon	449.963	450.451	0.487	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.024
Steele City	SD	Haakon	450.451	450.692	0.242	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.002
Steele City	SD	Haakon	450.752	451.187	0.434	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.004
Steele City	SD	Haakon	451.187	451.565	0.379	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.004
Steele City	SD	Haakon	451.565	451.619	0.053	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.003
Steele City	SD	Haakon	451.760	452.046	0.286	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.003
Steele City	SD	Haakon	452.046	452.499	0.453	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.023
Steele City	SD	Haakon	452.499	452.591	0.092	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.003
Steele City	SD	Haakon	452.591	453.578	0.987	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.010
Steele City	SD	Haakon	453.578	453.754	0.175	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.014
Steele City	SD	Haakon	453.754	453.857	0.103	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.001
Steele City	SD	Haakon	453.857	454.055	0.198	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.002
Steele City	SD	Haakon	454.957	455.131	0.173	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.005
Steele City	SD	Haakon	455.131	455.247	0.116	SD055	Capa-Wendte, channeled, complex	0.006
Steele City	SD	Haakon	455.247	455.285	0.039	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.001
Steele City	SD	Haakon	455.370	455.700	0.330	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.010
Steele City	SD	Haakon	455.700	455.803	0.103	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.001
Steele City	SD	Haakon	456.026	456.148	0.122	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.006
Steele City	SD	Haakon	456.148	456.248	0.100	SD055	Opal-Promise clays, 3 to 6 percent slopes	0.005
Steele City	SD	Haakon	456.248	456.329	0.082	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.004
Steele City	SD	Haakon	457.073	457.387	0.314	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.009
Steele City	SD	Haakon	457.536	457.663	0.126	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.006
Steele City	SD	Haakon	457.718	457.946	0.228	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.002
Steele City	SD	Haakon	457.989	458.237	0.248	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.002
Steele City	SD	Haakon	458.380	458.462	0.082	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.001
Steele City	SD	Haakon	458.485	458.527	0.043	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000
Steele City	SD	Haakon	458.580	459.000	0.420	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.013
Steele City	SD	Haakon	459.016	459.321	0.304	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.009
Steele City	SD	Haakon	459.321	459.425	0.104	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.001
Steele City	SD	Haakon	459.425	459.789	0.364	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.007
Steele City	SD	Haakon	459.789	460.285	0.496	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.005
Steele City	SD	Haakon	460.285	460.660	0.374	SD055	Kirley clay loam, 0 to 2 percent slopes	0.019
Steele City	SD	Haakon	460.708	460.766	0.058	SD055	Capa-Wendte, channeled, complex	0.003
Steele City	SD	Haakon	461.005	461.034	0.029	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.000
Steele City	SD	Haakon	461.101	461.208	0.107	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.001
Steele City	SD	Haakon	461.208	461.259	0.051	SD055	Kirley clay loam, 0 to 2 percent slopes	0.003
Steele City	SD	Haakon	461.259	461.375	0.116	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.001
Steele City	SD	Haakon	461.375	461.493	0.119	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.004
Steele City	SD	Haakon	461.573	461.584	0.011	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000
Steele City	SD	Haakon	461.958	462.120	0.162	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.013
Steele City	SD	Haakon	462.120	462.149	0.029	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Haakon	462.149	462.199	0.050	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.004
Steele City	SD	Haakon	462.199	462.432	0.233	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.012
Steele City	SD	Haakon	462.655	462.694	0.038	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.002
Steele City	SD	Haakon	462.766	462.912	0.146	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.003
Steele City	SD	Haakon	462.912	462.943	0.031	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.001
Steele City	SD	Haakon	462.943	463.485	0.542	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.011
Steele City	SD	Haakon	463.485	463.747	0.261	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.003
Steele City	SD	Haakon	463.747	463.997	0.250	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.005
Steele City	SD	Haakon	463.997	464.418	0.421	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.004
Steele City	SD	Haakon	464.617	464.779	0.163	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.008
Steele City	SD	Haakon	464.779	464.916	0.136	SD055	Egas silty clay loam	0.123
Steele City	SD	Haakon	464.916	465.086	0.171	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.005
Steele City	SD	Haakon	465.211	465.372	0.160	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.008
Steele City	SD	Haakon	465.501	465.564	0.063	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.001
Steele City	SD	Haakon	465.564	465.787	0.223	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.007
Steele City	SD	Haakon	465.853	466.503	0.651	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.020
Steele City	SD	Haakon	466.567	466.644	0.077	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.001
Steele City	SD	Haakon	466.992	468.096	1.104	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.055
Steele City	SD	Haakon	468.110	468.233	0.123	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.004
Steele City	SD	Haakon	468.233	468.272	0.039	SD055	Capa-Wendte, channeled, complex	0.002
Steele City	SD	Haakon	468.272	468.461	0.189	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.006
Steele City	SD	Haakon	468.705	468.959	0.254	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.013

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	SD	Haakon	468.959	469.013	0.054	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.001
Steele City	SD	Haakon	469.013	469.220	0.207	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.006
Steele City	SD	Haakon	469.220	469.289	0.069	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.001
Steele City	SD	Haakon	469.289	469.584	0.294	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.009
Steele City	SD	Haakon	469.584	469.915	0.331	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.007
Steele City	SD	Haakon	469.915	469.976	0.061	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.005
Steele City	SD	Haakon	469.976	470.216	0.240	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.012
Steele City	SD	Haakon	470.216	470.500	0.284	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.006
Steele City	SD	Haakon	470.500	470.613	0.113	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.003
Steele City	SD	Haakon	470.613	470.710	0.097	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.005
Steele City	SD	Haakon	470.710	470.870	0.160	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.005
Steele City	SD	Haakon	470.870	471.050	0.180	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.004
Steele City	SD	Haakon	471.050	471.325	0.275	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.014
Steele City	SD	Haakon	471.401	471.673	0.272	SD055	Kirley clay loam, 2 to 6 percent slopes	0.003
Steele City	SD	Haakon	471.874	472.128	0.254	SD055	Kirley clay loam, 2 to 6 percent slopes	0.003
Steele City	SD	Haakon	472.128	472.257	0.129	SD055	Kirley clay loam, 0 to 2 percent slopes	0.006
Steele City	SD	Haakon	472.333	472.514	0.181	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.005
Steele City	SD	Haakon	472.514	472.562	0.048	SD055	Capa-Wendte, channeled, complex	0.002
Steele City	SD	Haakon	472.562	472.594	0.032	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.001
Steele City	SD	Haakon	472.649	472.926	0.277	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.008
Steele City	SD	Haakon	473.050	473.137	0.087	SD055	Kirley clay loam, 2 to 6 percent slopes	0.001
Steele City	SD	Haakon	473.137	473.550	0.413	SD055	Kirley clay loam, 0 to 2 percent slopes	0.021
Steele City	SD	Haakon	473.928	474.150	0.222	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.007
Steele City	SD	Haakon	474.207	474.414	0.207	SD055	Kirley clay loam, 2 to 6 percent slopes	0.002
Steele City	SD	Haakon	475.420	476.205	0.785	SD055	Kirley clay loam, 0 to 2 percent slopes	0.039
Steele City	SD	Haakon	476.279	476.421	0.143	SD055	Kirley clay loam, 0 to 2 percent slopes	0.007
Steele City	SD	Haakon	476.515	476.606	0.090	SD055	Kirley clay loam, 0 to 2 percent slopes	0.005
Steele City	SD	Haakon	476.606	476.885	0.280	SD055	Kirley-Mosher complex, 0 to 2 percent slopes	0.006
Steele City	SD	Haakon	477.028	477.169	0.142	SD055	Kirley clay loam, 0 to 2 percent slopes	0.007
Steele City	SD	Haakon	477.347	477.478	0.131	SD055	Kirley clay loam, 0 to 2 percent slopes	0.007
Steele City	SD	Haakon	477.478	477.613	0.135	SD055	Hoven silt loam	0.121
Steele City	SD	Haakon	477.613	478.012	0.400	SD055	Kirley clay loam, 0 to 2 percent slopes	0.020
Steele City	SD	Haakon	478.621	478.798	0.177	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.005
Steele City	SD	Haakon	478.798	478.908	0.110	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.003
Steele City	SD	Haakon	478.908	479.091	0.183	SD055	Nimbro silty clay loam, channeled	0.002
Steele City	SD	Haakon	479.091	479.126	0.036	SD055	Nimbro silty clay loam	0.000
Steele City	SD	Haakon	479.126	479.260	0.133	SD055	Promise clay, 3 to 6 percent slopes	0.004
Steele City	SD	Haakon	480.275	480.702	0.427	SD055	Sansarc-0pal clays, 9 to 40 percent slopes	0.013
Steele City	SD	Haakon	480.702	480.756	0.054	SD055	Albaton silty clay, depressional	0.049
Steele City	SD	Haakon	480.756	480.858	0.102	SD055	Nimbro silty clay loam, channeled	0.001
Steele City	SD	Haakon	480.858	481.289	0.430	SD055	Nimbro silty clay loam	0.004
Steele City	SD	Haakon	481.289	481.348	0.059	SD055	Nimbro silty clay loam, channeled	0.001
Steele City	SD	Haakon	481.348	481.544	0.196	SD055	Bullcreek clay, 0 to 6 percent slopes	0.014
Steele City	SD	Haakon	481.544	482.009	0.465	SD055	Sansarc-0pal clays, 9 to 40 percent slopes	0.014
Steele City	SD	Haakon	482.604	482.690	0.086	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.003
Steele City	SD	Haakon	482.701	482.797	0.096	SD055	Sansarc-0pal clays, 9 to 40 percent slopes	0.003
Steele City	SD	Haakon	484.245	484.300	0.055	SD055	Kirley clay loam, 2 to 6 percent slopes	0.001
Steele City	SD	Haakon	484.484	484.797	0.313	SD055	Kirley clay loam, 2 to 6 percent slopes	0.003
Steele City	SD	Jones	484.953	485.092	0.139	SD075	Kirley-Mosher complex, 0 to 6 percent slopes	0.008
Steele City	SD	Jones	485.092	485.132	0.040	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.001
Steele City	SD	Jones	485.132	485.208	0.075	SD075	Kirley-Mosher complex, 0 to 6 percent slopes	0.005
Steele City	SD	Jones	485.208	485.647	0.439	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.022
Steele City	SD	Jones	485.708	485.848	0.140	SD075	Kirley-Mosher complex, 0 to 6 percent slopes	0.008
Steele City	SD	Jones	485.957	486.066	0.109	SD075	Kirley-Mosher complex, 0 to 6 percent slopes	0.007
Steele City	SD	Jones	486.238	486.684	0.445	SD075	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	0.013
Steele City	SD	Jones	486.684	486.830	0.146	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.007
Steele City	SD	Jones	486.830	486.944	0.114	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Jones	486.944	487.234	0.291	SD075	Kirley clay loam, 2 to 6 percent slopes	0.009
Steele City	SD	Jones	487.234	487.261	0.027	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.000
Steele City	SD	Jones	487.261	487.431	0.170	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.005
Steele City	SD	Jones	487.431	487.592	0.161	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.003
Steele City	SD	Jones	487.592	487.715	0.123	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.006
Steele City	SD	Jones	487.715	488.243	0.527	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.011
Steele City	SD	Jones	488.243	489.163	0.921	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.046
Steele City	SD	Jones	489.163	489.293	0.130	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.004
Steele City	SD	Jones	489.293	489.463	0.170	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.008
Steele City	SD	Jones	489.463	489.720	0.257	SD075	Kirley clay loam, 2 to 6 percent slopes	0.008
Steele City	SD	Jones	489.720	489.736	0.016	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000
Steele City	SD	Jones	489.736	489.935	0.199	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.010
Steele City	SD	Jones	489.935	490.138	0.203	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.004
Steele City	SD	Jones	490.138	490.543	0.405	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.020
Steele City	SD	Jones	490.543	490.788	0.245	SD075	Kirley clay loam, 2 to 6 percent slopes	0.007
Steele City	SD	Jones	490.788	490.866	0.078	SD075	Ree loam, 2 to 6 percent slopes	0.002
Steele City	SD	Jones	490.866	491.004	0.138	SD075	Ree loam, 0 to 2 percent slopes	0.001
Steele City	SD	Jones	491.004	491.210	0.206	SD075	Ree loam, 2 to 6 percent slopes	0.006
Steele City	SD	Jones	491.220	491.263	0.043	SD075	Ree loam, 2 to 6 percent slopes	0.001
Steele City	SD	Jones	491.847	492.153	0.306	SD075	Opal clay loam, 6 to 15 percent slopes	0.015
Steele City	SD	Jones	492.153	492.271	0.119	SD075	Opal clay loam, 6 to 9 percent slopes	0.006
Steele City	SD	Jones	492.271	492.364	0.093	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.005

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	SD	Jones	492.454	492.480	0.026	SD075	Opal clay loam, 6 to 9 percent slopes	0.001
Steele City	SD	Jones	492.480	493.177	0.697	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.035
Steele City	SD	Jones	493.177	493.468	0.291	SD075	Kirley clay loam, 0 to 2 percent slopes	0.009
Steele City	SD	Jones	493.468	493.589	0.120	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.006
Steele City	SD	Jones	493.589	493.634	0.045	SD075	Promise-Capa complex	0.001
Steele City	SD	Jones	493.634	493.850	0.216	SD075	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	0.006
Steele City	SD	Jones	493.850	493.959	0.108	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.005
Steele City	SD	Jones	493.959	493.987	0.028	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.001
Steele City	SD	Jones	493.987	494.156	0.170	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.008
Steele City	SD	Jones	494.156	494.262	0.106	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Jones	494.262	494.347	0.084	SD075	Mosher silt loam	0.003
Steele City	SD	Jones	494.347	494.420	0.073	SD075	Kirley clay loam, 0 to 2 percent slopes	0.002
Steele City	SD	Jones	494.420	494.555	0.135	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.007
Steele City	SD	Jones	494.555	494.935	0.380	SD075	Kirley clay loam, 2 to 6 percent slopes	0.011
Steele City	SD	Jones	494.935	495.225	0.290	SD075	Mosher-Capa silt loams	0.009
Steele City	SD	Jones	495.225	495.355	0.129	SD075	Promise clay, 0 to 3 percent slopes	0.003
Steele City	SD	Jones	495.355	495.373	0.018	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.001
Steele City	SD	Jones	495.373	495.556	0.183	SD075	Promise clay, 0 to 3 percent slopes	0.004
Steele City	SD	Jones	495.556	496.233	0.677	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.034
Steele City	SD	Jones	496.233	496.312	0.079	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.002
Steele City	SD	Jones	496.312	496.341	0.029	SD075	Promise clay, 3 to 6 percent slopes	0.001
Steele City	SD	Jones	496.341	496.346	0.006	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000
Steele City	SD	Jones	496.346	496.668	0.322	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.016
Steele City	SD	Jones	496.668	496.782	0.114	SD075	Kirley clay loam, 2 to 6 percent slopes	0.003
Steele City	SD	Jones	496.782	497.126	0.344	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.010
Steele City	SD	Jones	497.126	497.274	0.148	SD075	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	0.004
Steele City	SD	Jones	497.746	497.754	0.008	SD075	Kirley clay loam, 2 to 6 percent slopes	0.000
Steele City	SD	Jones	497.754	498.290	0.535	SD075	Promise clay, 3 to 6 percent slopes	0.011
Steele City	SD	Jones	498.290	498.454	0.165	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.008
Steele City	SD	Jones	498.454	498.595	0.140	SD075	Kirley clay loam, 2 to 6 percent slopes	0.004
Steele City	SD	Jones	498.771	498.811	0.040	SD075	Ree loam, 2 to 6 percent slopes	0.001
Steele City	SD	Jones	498.811	499.044	0.233	SD075	Mosher silt loam	0.007
Steele City	SD	Jones	499.044	499.132	0.088	SD075	Promise clay, 3 to 6 percent slopes	0.002
Steele City	SD	Jones	499.132	499.414	0.282	SD075	Opal clay, 3 to 6 percent slopes	0.003
Steele City	SD	Jones	499.414	499.741	0.327	SD075	Kirley clay loam, 2 to 6 percent slopes	0.010
Steele City	SD	Jones	499.741	499.838	0.097	SD075	Witten silty clay	0.001
Steele City	SD	Jones	499.838	500.242	0.405	SD075	Promise clay, 3 to 6 percent slopes	0.008
Steele City	SD	Jones	500.242	500.348	0.106	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.005
Steele City	SD	Jones	500.348	500.499	0.151	SD075	Promise clay, 3 to 6 percent slopes	0.003
Steele City	SD	Jones	500.499	500.939	0.439	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.022
Steele City	SD	Jones	500.939	501.052	0.113	SD075	Promise clay, 3 to 6 percent slopes	0.002
Steele City	SD	Jones	501.052	501.238	0.186	SD075	Promise clay, 0 to 3 percent slopes	0.004
Steele City	SD	Jones	501.238	501.386	0.149	SD075	Opal clay, 6 to 15 percent slopes	0.006
Steele City	SD	Jones	501.386	501.484	0.098	SD075	Promise clay, 3 to 6 percent slopes	0.002
Steele City	SD	Jones	501.484	501.614	0.130	SD075	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	0.004
Steele City	SD	Jones	501.614	501.816	0.202	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.010
Steele City	SD	Jones	501.978	502.067	0.089	SD075	Promise clay, 3 to 6 percent slopes	0.002
Steele City	SD	Jones	502.241	502.306	0.065	SD075	Promise clay, 0 to 3 percent slopes	0.001
Steele City	SD	Jones	502.306	502.725	0.419	SD075	Promise clay, 3 to 6 percent slopes	0.008
Steele City	SD	Jones	502.725	502.799	0.074	SD075	Opal clay, 6 to 15 percent slopes	0.003
Steele City	SD	Jones	502.799	503.905	1.106	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.055
Steele City	SD	Jones	503.905	504.024	0.119	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.004
Steele City	SD	Jones	504.024	504.880	0.856	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.043
Steele City	SD	Jones	504.880	504.953	0.072	SD075	Opal clay, 6 to 15 percent slopes	0.003
Steele City	SD	Jones	504.953	505.127	0.174	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.009
Steele City	SD	Jones	505.127	505.397	0.271	SD075	Opal clay, 6 to 15 percent slopes	0.011
Steele City	SD	Jones	505.397	505.422	0.024	SD075	Opal clay, 6 to 9 percent slopes	0.000
Steele City	SD	Jones	505.422	505.686	0.264	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.008
Steele City	SD	Jones	505.686	505.783	0.097	SD075	Opal clay, 6 to 15 percent slopes	0.004
Steele City	SD	Jones	505.783	506.138	0.355	SD075	Opal clay, 6 to 9 percent slopes	0.004
Steele City	SD	Jones	506.138	506.185	0.047	SD075	Opal clay, 6 to 15 percent slopes	0.002
Steele City	SD	Jones	506.185	506.221	0.036	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.002
Steele City	SD	Jones	506.221	506.245	0.024	SD075	Opal clay, 6 to 15 percent slopes	0.001
Steele City	SD	Jones	506.245	506.409	0.164	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.008
Steele City	SD	Jones	506.409	506.574	0.165	SD075	Promise clay, 3 to 6 percent slopes	0.003
Steele City	SD	Jones	506.574	506.628	0.054	SD075	Wendte silty clay, channeled	0.002
Steele City	SD	Jones	506.628	506.678	0.050	SD075	Opal clay, 6 to 15 percent slopes	0.002
Steele City	SD	Jones	506.678	506.882	0.203	SD075	Opal clay, 6 to 9 percent slopes	0.002
Steele City	SD	Jones	506.882	507.177	0.296	SD075	Promise clay, 3 to 6 percent slopes	0.006
Steele City	SD	Jones	507.177	507.274	0.097	SD075	Opal clay, 3 to 6 percent slopes	0.001
Steele City	SD	Jones	507.274	507.381	0.106	SD075	Opal clay, 6 to 15 percent slopes	0.004
Steele City	SD	Jones	507.381	507.504	0.124	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.006
Steele City	SD	Jones	507.504	507.606	0.102	SD075	Opal clay, 3 to 6 percent slopes	0.001
Steele City	SD	Jones	507.606	507.649	0.043	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.001
Steele City	SD	Jones	507.649	507.700	0.051	SD075	Herdcamp-Bullcreek complex	0.031
Steele City	SD	Jones	507.700	507.752	0.052	SD075	Opal clay, 6 to 15 percent slopes	0.002
Steele City	SD	Jones	507.752	507.822	0.070	SD075	Opal clay, 3 to 6 percent slopes	0.001
Steele City	SD	Jones	507.822	507.929	0.107	SD075	Opal clay, 6 to 15 percent slopes	0.004
Steele City	SD	Jones	507.929	508.104	0.175	SD075	Opal clay, 6 to 9 percent slopes	0.002

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	SD	Jones	508.104	508.177	0.074	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.002
Steele City	SD	Jones	508.177	508.276	0.099	SD075	Opal clay, 6 to 9 percent slopes	0.001
Steele City	SD	Jones	508.276	508.452	0.176	SD075	Opal clay, 3 to 6 percent slopes	0.002
Steele City	SD	Jones	508.452	508.527	0.075	SD075	Opal clay, 6 to 9 percent slopes	0.001
Steele City	SD	Jones	508.527	508.856	0.329	SD075	Opal clay, 6 to 15 percent slopes	0.013
Steele City	SD	Jones	508.856	509.331	0.476	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.024
Steele City	SD	Jones	509.331	509.613	0.282	SD075	Opal clay, 3 to 6 percent slopes	0.003
Steele City	SD	Jones	509.613	509.865	0.252	SD075	Opal clay, 6 to 9 percent slopes	0.003
Steele City	SD	Jones	509.865	509.925	0.060	SD075	Opal clay, 3 to 6 percent slopes	0.001
Steele City	SD	Jones	509.925	510.334	0.409	SD075	Opal clay, 6 to 15 percent slopes	0.016
Steele City	SD	Jones	510.334	510.433	0.099	SD075	Opal clay, 6 to 9 percent slopes	0.001
Steele City	SD	Jones	510.433	510.851	0.418	SD075	Opal clay, 6 to 15 percent slopes	0.017
Steele City	SD	Jones	510.851	511.965	1.114	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.056
Steele City	SD	Jones	511.965	512.007	0.042	SD075	Promise clay, 3 to 6 percent slopes	0.001
Steele City	SD	Jones	512.007	512.093	0.086	SD075	Opal clay, 6 to 9 percent slopes	0.001
Steele City	SD	Jones	512.093	512.283	0.190	SD075	Promise clay, 3 to 6 percent slopes	0.004
Steele City	SD	Jones	512.283	512.362	0.079	SD075	Opal clay, 3 to 6 percent slopes	0.001
Steele City	SD	Jones	512.362	512.501	0.139	SD075	Promise clay, 3 to 6 percent slopes	0.003
Steele City	SD	Jones	512.501	512.641	0.140	SD075	Opal clay, 3 to 6 percent slopes	0.001
Steele City	SD	Jones	512.641	512.854	0.213	SD075	Promise clay, 3 to 6 percent slopes	0.004
Steele City	SD	Jones	512.854	512.915	0.061	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.002
Steele City	SD	Jones	512.915	512.990	0.075	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.004
Steele City	SD	Jones	512.990	513.364	0.374	SD075	Opal clay, 6 to 15 percent slopes	0.015
Steele City	SD	Jones	513.364	513.548	0.184	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.006
Steele City	SD	Jones	513.548	513.671	0.124	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.006
Steele City	SD	Jones	513.671	513.769	0.098	SD075	Promise clay, 3 to 6 percent slopes	0.002
Steele City	SD	Jones	513.769	513.885	0.116	SD075	Opal clay, 6 to 9 percent slopes	0.001
Steele City	SD	Jones	513.885	514.299	0.414	SD075	Opal clay, 6 to 15 percent slopes	0.017
Steele City	SD	Jones	514.299	515.328	1.029	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.051
Steele City	SD	Jones	515.328	515.677	0.349	SD075	Opal clay, 3 to 6 percent slopes	0.003
Steele City	SD	Jones	515.677	515.789	0.112	SD075	Promise-Bullcreek clays	0.004
Steele City	SD	Jones	515.789	516.066	0.277	SD075	Opal clay, 3 to 6 percent slopes	0.003
Steele City	SD	Jones	516.066	516.122	0.055	SD075	Promise clay, 0 to 3 percent slopes	0.001
Steele City	SD	Jones	516.122	516.176	0.055	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.002
Steele City	SD	Jones	516.176	516.323	0.147	SD075	Opal clay, 3 to 6 percent slopes	0.001
Steele City	SD	Jones	516.323	516.402	0.079	SD075	Promise clay, 0 to 3 percent slopes	0.002
Steele City	SD	Jones	516.402	516.523	0.120	SD075	Opal clay, 3 to 6 percent slopes	0.001
Steele City	SD	Jones	516.523	516.726	0.203	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.002
Steele City	SD	Jones	516.726	516.983	0.257	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.008
Steele City	SD	Jones	516.983	517.233	0.250	SD075	Opal clay, 3 to 6 percent slopes	0.002
Steele City	SD	Jones	517.233	517.277	0.045	SD075	Herdcamp-Bullcreek complex	0.027
Steele City	SD	Jones	517.277	517.367	0.090	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.004
Steele City	SD	Jones	517.367	517.513	0.146	SD075	Opal clay, 6 to 9 percent slopes	0.001
Steele City	SD	Jones	517.513	517.984	0.470	SD075	Opal clay, 3 to 6 percent slopes	0.005
Steele City	SD	Jones	517.984	518.088	0.104	SD075	Promise clay, 3 to 6 percent slopes	0.002
Steele City	SD	Jones	518.088	518.181	0.094	SD075	Opal clay, 3 to 6 percent slopes	0.001
Steele City	SD	Jones	518.181	518.270	0.088	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.003
Steele City	SD	Jones	518.270	518.874	0.604	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.030
Steele City	SD	Jones	518.874	518.898	0.024	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.000
Steele City	SD	Jones	518.898	519.378	0.480	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.024
Steele City	SD	Jones	519.378	519.604	0.226	SD075	Opal clay loam, 6 to 15 percent slopes	0.011
Steele City	SD	Jones	519.604	519.944	0.340	SD075	Opal clay loam, 6 to 9 percent slopes	0.017
Steele City	SD	Jones	520.041	520.135	0.093	SD075	Promise clay, 0 to 3 percent slopes	0.002
Steele City	SD	Jones	520.135	520.307	0.173	SD075	Opal clay loam, 6 to 9 percent slopes	0.009
Steele City	SD	Jones	520.307	520.325	0.018	SD075	Promise clay, 0 to 3 percent slopes	0.000
Steele City	SD	Jones	520.325	520.422	0.097	SD075	Promise-Bullcreek clays	0.004
Steele City	SD	Jones	520.422	520.706	0.284	SD075	Promise clay, 0 to 3 percent slopes	0.006
Steele City	SD	Jones	520.807	521.198	0.391	SD075	Promise clay, 0 to 3 percent slopes	0.008
Steele City	SD	Jones	521.198	521.429	0.231	SD075	Millboro silty clay loam, 3 to 6 percent slopes	0.005
Steele City	SD	Jones	521.429	521.793	0.364	SD075	Millboro silty clay loam, 0 to 3 percent slopes	0.007
Steele City	SD	Jones	521.793	522.003	0.210	SD075	Promise-Bullcreek clays	0.008
Steele City	SD	Jones	522.003	522.085	0.083	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Jones	522.305	522.539	0.235	SD075	Promise clay, 0 to 3 percent slopes	0.005
Steele City	SD	Jones	522.593	522.868	0.275	SD075	Millboro silty clay loam, 0 to 3 percent slopes	0.006
Steele City	SD	Jones	522.868	523.008	0.140	SD075	Promise-Bullcreek clays	0.006
Steele City	SD	Jones	523.008	523.089	0.082	SD075	Millboro silty clay loam, 0 to 3 percent slopes	0.002
Steele City	SD	Jones	523.089	523.203	0.114	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Jones	523.203	523.371	0.168	SD075	Millboro silty clay loam, 3 to 6 percent slopes	0.003
Steele City	SD	Jones	523.371	523.392	0.021	SD075	Millboro silty clay loam, 0 to 3 percent slopes	0.000
Steele City	SD	Jones	523.392	523.769	0.378	SD075	Witten silty clay	0.004
Steele City	SD	Jones	523.769	523.887	0.118	SD075	Millboro silty clay loam, 3 to 6 percent slopes	0.002
Steele City	SD	Jones	524.126	524.605	0.480	SD075	Millboro silty clay loam, 3 to 6 percent slopes	0.010
Steele City	SD	Jones	524.605	525.017	0.412	SD075	Promise clay, 0 to 3 percent slopes	0.008
Steele City	SD	Lyman	525.017	525.662	0.645	SD085	Promise clay, 0 to 3 percent slopes	0.006
Steele City	SD	Lyman	525.662	525.718	0.056	SD085	Millboro silty clay, 3 to 6 percent slopes	0.002
Steele City	SD	Lyman	525.718	526.245	0.527	SD085	Millboro silty clay, 0 to 3 percent slopes	0.016
Steele City	SD	Lyman	526.245	526.300	0.054	SD085	Millboro silty clay, 3 to 6 percent slopes	0.002
Steele City	SD	Lyman	526.300	526.380	0.080	SD085	Millboro silty clay, 0 to 3 percent slopes	0.002
Steele City	SD	Lyman	526.380	526.487	0.108	SD085	Millboro silty clay, 3 to 6 percent slopes	0.003

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	SD	Lyman	526.487	526.488	0.000	SD085	Witten silty clay	0.000
Steele City	SD	Lyman	526.488	526.600	0.113	SD085	Kolls silty clay	0.107
Steele City	SD	Lyman	526.600	526.714	0.114	SD085	Millboro silty clay, 3 to 6 percent slopes	0.003
Steele City	SD	Lyman	526.714	527.008	0.294	SD085	Witten silty clay	0.009
Steele City	SD	Lyman	527.008	527.250	0.242	SD085	Millboro silty clay, 3 to 6 percent slopes	0.007
Steele City	SD	Lyman	527.250	527.525	0.274	SD085	Witten silty clay	0.008
Steele City	SD	Lyman	527.525	528.156	0.631	SD085	Millboro silty clay, 3 to 6 percent slopes	0.019
Steele City	SD	Lyman	528.156	528.234	0.079	SD085	Promise clay, 0 to 3 percent slopes	0.001
Steele City	SD	Lyman	528.234	528.245	0.011	SD085	Witten silty clay	0.000
Steele City	SD	Lyman	528.245	528.644	0.399	SD085	Millboro silty clay, 3 to 6 percent slopes	0.012
Steele City	SD	Lyman	528.796	529.697	0.901	SD085	Millboro silty clay, 3 to 6 percent slopes	0.027
Steele City	SD	Lyman	529.832	529.948	0.116	SD085	Bullcreek clay, 0 to 6 percent slopes	0.001
Steele City	SD	Lyman	529.948	530.611	0.662	SD085	Millboro silty clay, 3 to 6 percent slopes	0.020
Steele City	SD	Lyman	530.611	530.721	0.111	SD085	Bullcreek clay, 0 to 6 percent slopes	0.001
Steele City	SD	Lyman	530.721	530.752	0.031	SD085	Lakoma silty clay, 6 to 9 percent slopes	0.000
Steele City	SD	Lyman	530.752	531.321	0.569	SD085	Millboro silty clay, 3 to 6 percent slopes	0.017
Steele City	SD	Lyman	531.321	531.536	0.215	SD085	Millboro silty clay, 0 to 3 percent slopes	0.006
Steele City	SD	Lyman	531.536	532.026	0.490	SD085	Millboro silty clay, 3 to 6 percent slopes	0.015
Steele City	SD	Lyman	532.026	532.419	0.393	SD085	Millboro silty clay, 0 to 3 percent slopes	0.012
Steele City	SD	Lyman	532.419	532.556	0.137	SD085	Millboro silty clay, 3 to 6 percent slopes	0.004
Steele City	SD	Lyman	532.786	532.965	0.179	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.002
Steele City	SD	Lyman	532.965	533.041	0.077	SD085	Bullcreek clay, 0 to 6 percent slopes	0.001
Steele City	SD	Lyman	533.041	533.216	0.174	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.002
Steele City	SD	Lyman	533.216	533.443	0.228	SD085	Lakoma-Okaton silty clays, 6 to 15 percent slopes	0.002
Steele City	SD	Lyman	533.681	533.738	0.057	SD085	Millboro silty clay, 3 to 6 percent slopes	0.002
Steele City	SD	Lyman	533.738	533.863	0.125	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.001
Steele City	SD	Lyman	533.863	533.995	0.133	SD085	Lakoma-Okaton silty clays, 6 to 15 percent slopes	0.001
Steele City	SD	Lyman	534.124	534.283	0.159	SD085	Lakoma-Okaton silty clays, 6 to 15 percent slopes	0.002
Steele City	SD	Lyman	534.651	535.246	0.595	SD085	Millboro silty clay, 3 to 6 percent slopes	0.018
Steele City	SD	Lyman	535.246	535.500	0.254	SD085	Capa silt loam, 0 to 6 percent slopes	0.003
Steele City	SD	Lyman	535.500	535.586	0.086	SD085	Millboro silty clay, 3 to 6 percent slopes	0.003
Steele City	SD	Lyman	535.774	535.821	0.047	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.000
Steele City	SD	Lyman	535.834	535.926	0.092	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.001
Steele City	SD	Lyman	536.025	536.612	0.587	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.006
Steele City	SD	Lyman	536.612	536.668	0.055	SD085	Bullcreek clay, 0 to 6 percent slopes	0.001
Steele City	SD	Lyman	536.668	536.749	0.081	SD085	Promise clay, 0 to 3 percent slopes	0.001
Steele City	SD	Lyman	536.749	536.814	0.065	SD085	Hilmoe silty clay	0.001
Steele City	SD	Lyman	536.814	536.845	0.031	SD085	Bigbend silt loam	0.000
Steele City	SD	Lyman	536.845	536.875	0.030	SD085	Munjor fine sandy loam	0.000
Steele City	SD	Tripp	536.971	537.160	0.188	SD123	Munjor fine sandy loam	0.002
Steele City	SD	Tripp	537.160	537.326	0.167	SD123	Bigbend soils	0.002
Steele City	SD	Tripp	537.326	537.349	0.022	SD123	Hilmoe clay, 0 to 2 percent slopes	0.000
Steele City	SD	Tripp	537.349	537.614	0.266	SD123	Opal-Sansarc clays, 9 to 25 percent slopes	0.003
Steele City	SD	Tripp	537.759	537.784	0.025	SD123	Westover loam, 9 to 25 percent slopes	0.000
Steele City	SD	Tripp	537.784	537.925	0.141	SD123	Lowry silt loam, 0 to 4 percent slopes	0.003
Steele City	SD	Tripp	537.925	538.019	0.094	SD123	Westover loam, 9 to 25 percent slopes	0.001
Steele City	SD	Tripp	538.019	538.176	0.157	SD123	Ree loam, 3 to 6 percent slopes	0.005
Steele City	SD	Tripp	538.176	538.211	0.035	SD123	Westover loam, 9 to 25 percent slopes	0.000
Steele City	SD	Tripp	538.211	538.253	0.042	SD123	Ree loam, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	538.253	538.429	0.176	SD123	Lowry silt loam, 0 to 4 percent slopes	0.004
Steele City	SD	Tripp	538.429	538.767	0.339	SD123	Ree loam, 3 to 6 percent slopes	0.010
Steele City	SD	Tripp	538.767	538.926	0.159	SD123	Westover loam, 9 to 25 percent slopes	0.002
Steele City	SD	Tripp	538.926	538.965	0.039	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.000
Steele City	SD	Tripp	539.067	539.184	0.117	SD123	Bullcreek clay	0.001
Steele City	SD	Tripp	539.990	540.226	0.236	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.002
Steele City	SD	Tripp	540.307	540.345	0.038	SD123	Westover loam, 9 to 25 percent slopes	0.000
Steele City	SD	Tripp	540.345	541.045	0.700	SD123	Ree loam, 0 to 3 percent slopes	0.049
Steele City	SD	Tripp	541.045	541.091	0.046	SD123	Westover loam, 9 to 25 percent slopes	0.000
Steele City	SD	Tripp	541.091	541.630	0.540	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.005
Steele City	SD	Tripp	542.136	542.188	0.052	SD123	Bullcreek clay	0.001
Steele City	SD	Tripp	542.334	542.397	0.063	SD123	Bullcreek clay	0.001
Steele City	SD	Tripp	542.671	542.970	0.299	SD123	Bullcreek clay	0.003
Steele City	SD	Tripp	542.970	543.060	0.090	SD123	Opal clay, 3 to 9 percent slopes	0.001
Steele City	SD	Tripp	543.060	543.197	0.137	SD123	Bullcreek clay	0.001
Steele City	SD	Tripp	543.460	543.916	0.455	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.005
Steele City	SD	Tripp	543.916	544.067	0.151	SD123	Ree loam, 6 to 9 percent slopes	0.006
Steele City	SD	Tripp	544.067	544.211	0.144	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.001
Steele City	SD	Tripp	544.211	544.758	0.547	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.005
Steele City	SD	Tripp	544.758	544.863	0.105	SD123	Ree loam, 6 to 9 percent slopes	0.004
Steele City	SD	Tripp	544.863	544.923	0.060	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.001
Steele City	SD	Tripp	544.923	545.100	0.177	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.002
Steele City	SD	Tripp	545.100	545.209	0.109	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.001
Steele City	SD	Tripp	545.209	546.009	0.799	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.008
Steele City	SD	Tripp	546.009	546.049	0.040	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.001
Steele City	SD	Tripp	546.049	546.050	0.001	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.000
Steele City	SD	Tripp	546.050	546.619	0.569	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.011
Steele City	SD	Tripp	546.619	546.811	0.191	SD123	Millboro silty clay, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	546.811	546.961	0.150	SD123	Mosher silt loam	0.002
Steele City	SD	Tripp	546.961	547.088	0.127	SD123	Millboro silty clay, 0 to 3 percent slopes	0.003

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	SD	Tripp	547.088	547.204	0.116	SD123	Mosher silt loam	0.001
Steele City	SD	Tripp	547.204	547.442	0.239	SD123	Millboro silty clay, 0 to 3 percent slopes	0.005
Steele City	SD	Tripp	547.442	547.540	0.098	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	547.540	547.646	0.106	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.002
Steele City	SD	Tripp	547.646	548.179	0.533	SD123	Millboro silty clay, 3 to 6 percent slopes	0.005
Steele City	SD	Tripp	548.179	548.271	0.092	SD123	Witten silty clay	0.002
Steele City	SD	Tripp	548.271	548.400	0.129	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	548.400	548.417	0.017	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.000
Steele City	SD	Tripp	548.417	548.420	0.003	SD123	Ree loam, 3 to 6 percent slopes	0.000
Steele City	SD	Tripp	548.420	548.598	0.177	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.004
Steele City	SD	Tripp	548.598	548.634	0.036	SD123	Ree loam, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	548.634	548.816	0.182	SD123	Reliance silty clay loam, 3 to 6 percent slopes	0.009
Steele City	SD	Tripp	548.816	549.399	0.583	SD123	Reliance silty clay loam, 6 to 9 percent slopes	0.006
Steele City	SD	Tripp	549.399	549.660	0.260	SD123	Reliance silty clay loam, 3 to 6 percent slopes	0.013
Steele City	SD	Tripp	549.660	549.807	0.148	SD123	Onita silt loam	0.001
Steele City	SD	Tripp	549.807	550.186	0.379	SD123	Reliance silty clay loam, 3 to 6 percent slopes	0.019
Steele City	SD	Tripp	550.186	550.288	0.102	SD123	Kolls clay	0.093
Steele City	SD	Tripp	550.288	550.852	0.563	SD123	Reliance silty clay loam, 3 to 6 percent slopes	0.028
Steele City	SD	Tripp	551.015	551.076	0.062	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	551.076	551.296	0.220	SD123	Carter silty clay loam	0.004
Steele City	SD	Tripp	551.296	551.355	0.058	SD123	Millboro silty clay, 0 to 3 percent slopes	0.001
Steele City	SD	Tripp	551.355	551.512	0.157	SD123	Carter silty clay loam	0.003
Steele City	SD	Tripp	551.512	551.602	0.090	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	551.602	551.783	0.181	SD123	Millboro silty clay, 0 to 3 percent slopes	0.004
Steele City	SD	Tripp	551.783	551.962	0.180	SD123	Millboro silty clay, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	551.962	552.160	0.198	SD123	Millboro silty clay, 0 to 3 percent slopes	0.004
Steele City	SD	Tripp	552.160	552.404	0.245	SD123	Millboro silty clay, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	552.404	552.442	0.038	SD123	Witten silty clay	0.001
Steele City	SD	Tripp	552.442	552.573	0.131	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.003
Steele City	SD	Tripp	552.573	552.629	0.056	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	552.629	553.029	0.399	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.008
Steele City	SD	Tripp	553.029	553.107	0.078	SD123	Carter silty clay loam	0.002
Steele City	SD	Tripp	553.107	554.369	1.262	SD123	Millboro silty clay, 3 to 6 percent slopes	0.013
Steele City	SD	Tripp	554.369	554.588	0.219	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.004
Steele City	SD	Tripp	554.588	554.649	0.061	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	554.649	554.800	0.151	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.003
Steele City	SD	Tripp	554.934	555.024	0.090	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.002
Steele City	SD	Tripp	555.042	555.191	0.149	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.003
Steele City	SD	Tripp	555.191	555.320	0.130	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	555.320	555.487	0.166	SD123	Witten silty clay	0.003
Steele City	SD	Tripp	555.487	556.311	0.825	SD123	Millboro silty clay, 3 to 6 percent slopes	0.008
Steele City	SD	Tripp	556.311	556.659	0.348	SD123	Witten silty clay	0.007
Steele City	SD	Tripp	556.659	556.985	0.326	SD123	Millboro silty clay, 0 to 3 percent slopes	0.007
Steele City	SD	Tripp	556.985	557.033	0.048	SD123	Witten silty clay	0.001
Steele City	SD	Tripp	557.033	557.142	0.109	SD123	Erd clay	0.001
Steele City	SD	Tripp	557.142	557.348	0.206	SD123	Erd-Capa complex	0.004
Steele City	SD	Tripp	557.348	557.662	0.314	SD123	Millboro silty clay, 3 to 6 percent slopes	0.003
Steele City	SD	Tripp	557.662	557.721	0.058	SD123	Carter silty clay loam	0.001
Steele City	SD	Tripp	557.721	557.875	0.154	SD123	Millboro silty clay, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	557.875	558.003	0.128	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.003
Steele City	SD	Tripp	558.003	558.300	0.297	SD123	Millboro silty clay, 0 to 3 percent slopes	0.006
Steele City	SD	Tripp	558.300	558.367	0.066	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	558.367	558.460	0.093	SD123	Witten silty clay	0.002
Steele City	SD	Tripp	558.460	558.649	0.189	SD123	Millboro silty clay, 0 to 3 percent slopes	0.004
Steele City	SD	Tripp	558.649	558.716	0.068	SD123	Witten silty clay	0.001
Steele City	SD	Tripp	558.716	559.080	0.364	SD123	Millboro silty clay, 0 to 3 percent slopes	0.007
Steele City	SD	Tripp	559.080	559.229	0.148	SD123	Witten silty clay	0.003
Steele City	SD	Tripp	559.229	560.120	0.891	SD123	Millboro silty clay, 0 to 3 percent slopes	0.018
Steele City	SD	Tripp	560.120	560.250	0.131	SD123	Erd-Capa complex	0.003
Steele City	SD	Tripp	560.250	560.341	0.091	SD123	Millboro silty clay, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	560.341	560.441	0.099	SD123	Erd-Capa complex	0.002
Steele City	SD	Tripp	560.441	560.938	0.497	SD123	Millboro silty clay, 0 to 3 percent slopes	0.010
Steele City	SD	Tripp	560.938	561.033	0.094	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	561.213	561.424	0.211	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.002
Steele City	SD	Tripp	561.424	561.628	0.205	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.004
Steele City	SD	Tripp	561.970	562.041	0.071	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.001
Steele City	SD	Tripp	562.503	562.624	0.121	SD123	Witten silty clay	0.002
Steele City	SD	Tripp	562.624	562.833	0.209	SD123	Millboro silty clay, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	562.833	563.021	0.188	SD123	Millboro silty clay, 0 to 3 percent slopes	0.004
Steele City	SD	Tripp	563.021	563.105	0.084	SD123	Witten silty clay	0.002
Steele City	SD	Tripp	563.105	563.260	0.155	SD123	Millboro silty clay, 0 to 3 percent slopes	0.003
Steele City	SD	Tripp	563.260	563.483	0.223	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.004
Steele City	SD	Tripp	563.537	563.649	0.112	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.002
Steele City	SD	Tripp	563.649	563.778	0.129	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.001
Steele City	SD	Tripp	563.879	563.954	0.075	SD123	Canning loam, 2 to 5 percent slopes	0.001
Steele City	SD	Tripp	563.962	563.983	0.021	SD123	Canning loam, 2 to 5 percent slopes	0.000
Steele City	SD	Tripp	564.051	564.303	0.252	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.003
Steele City	SD	Tripp	564.303	564.535	0.232	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.005
Steele City	SD	Tripp	564.535	564.567	0.033	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.000

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	SD	Tripp	564.619	564.759	0.140	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.001
Steele City	SD	Tripp	564.759	564.858	0.099	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.002
Steele City	SD	Tripp	564.858	565.049	0.191	SD123	Millboro silty clay, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	565.049	565.299	0.250	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.005
Steele City	SD	Tripp	565.299	565.395	0.096	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	565.395	565.452	0.058	SD123	Millboro silty clay, 0 to 3 percent slopes	0.001
Steele City	SD	Tripp	565.452	565.554	0.101	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	565.554	565.623	0.070	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.001
Steele City	SD	Tripp	565.623	565.721	0.098	SD123	Inavale complex, channeled	0.001
Steele City	SD	Tripp	566.083	566.108	0.025	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.001
Steele City	SD	Tripp	566.245	566.534	0.289	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.009
Steele City	SD	Tripp	566.659	566.965	0.305	SD123	Witten silty clay	0.006
Steele City	SD	Tripp	566.965	567.171	0.206	SD123	Millboro silty clay, 0 to 3 percent slopes	0.004
Steele City	SD	Tripp	567.171	567.255	0.084	SD123	Witten silty clay	0.002
Steele City	SD	Tripp	567.255	567.418	0.163	SD123	Millboro silty clay, 0 to 3 percent slopes	0.003
Steele City	SD	Tripp	567.418	567.689	0.271	SD123	Millboro silty clay, 3 to 6 percent slopes	0.003
Steele City	SD	Tripp	567.689	567.847	0.157	SD123	Millboro silty clay, 0 to 3 percent slopes	0.003
Steele City	SD	Tripp	567.847	567.860	0.013	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000
Steele City	SD	Tripp	567.860	567.930	0.071	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.001
Steele City	SD	Tripp	567.930	568.619	0.689	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.007
Steele City	SD	Tripp	568.619	568.894	0.274	SD123	Ree loam, 6 to 9 percent slopes	0.011
Steele City	SD	Tripp	568.913	569.279	0.365	SD123	Ree loam, 6 to 9 percent slopes	0.015
Steele City	SD	Tripp	569.279	569.361	0.082	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.002
Steele City	SD	Tripp	569.361	569.546	0.185	SD123	Ree loam, 6 to 9 percent slopes	0.007
Steele City	SD	Tripp	569.546	569.647	0.101	SD123	Ree loam, 9 to 15 percent slopes	0.001
Steele City	SD	Tripp	569.647	569.801	0.154	SD123	Ree loam, 6 to 9 percent slopes	0.006
Steele City	SD	Tripp	569.801	569.944	0.143	SD123	Promise clay, 6 to 9 percent slopes	0.001
Steele City	SD	Tripp	570.101	570.518	0.418	SD123	Ree loam, 6 to 9 percent slopes	0.017
Steele City	SD	Tripp	570.518	570.641	0.123	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.001
Steele City	SD	Tripp	570.641	570.732	0.092	SD123	Manter fine sandy loam, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	570.732	570.882	0.150	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.002
Steele City	SD	Tripp	570.882	571.093	0.211	SD123	Anselmo fine sandy loam, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	571.093	571.197	0.104	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.003
Steele City	SD	Tripp	571.326	571.329	0.003	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.000
Steele City	SD	Tripp	571.390	571.439	0.049	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.000
Steele City	SD	Tripp	571.439	571.609	0.170	SD123	Anselmo loamy fine sand, 0 to 9 percent slopes, eroded	0.002
Steele City	SD	Tripp	571.609	572.182	0.573	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.006
Steele City	SD	Tripp	572.182	572.241	0.060	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	572.241	572.354	0.113	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.001
Steele City	SD	Tripp	572.354	572.542	0.187	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.006
Steele City	SD	Tripp	572.542	572.657	0.116	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.002
Steele City	SD	Tripp	572.657	573.083	0.426	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.004
Steele City	SD	Tripp	573.083	573.238	0.155	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.002
Steele City	SD	Tripp	573.238	573.837	0.599	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.018
Steele City	SD	Tripp	573.837	573.935	0.098	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	573.935	574.070	0.135	SD123	Elsmere fine sandy loam	0.007
Steele City	SD	Tripp	574.070	574.175	0.105	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	574.175	574.244	0.069	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.001
Steele City	SD	Tripp	574.244	574.315	0.071	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	574.315	574.387	0.071	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	574.387	574.547	0.160	SD123	Elsmere fine sandy loam	0.008
Steele City	SD	Tripp	574.547	574.613	0.066	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	574.613	574.686	0.073	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	575.191	575.195	0.004	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.000
Steele City	SD	Tripp	575.195	575.748	0.553	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.006
Steele City	SD	Tripp	575.748	575.953	0.205	SD123	Ronson-Longpine fine sandy loams, 0 to 6 percent slopes	0.002
Steele City	SD	Tripp	576.110	576.224	0.114	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	576.224	576.406	0.182	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.005
Steele City	SD	Tripp	576.406	576.444	0.038	SD123	Elsmere fine sandy loam	0.002
Steele City	SD	Tripp	576.444	576.542	0.098	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.003
Steele City	SD	Tripp	576.542	576.619	0.077	SD123	Elsmere fine sandy loam	0.004
Steele City	SD	Tripp	576.619	576.778	0.159	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.005
Steele City	SD	Tripp	576.778	576.882	0.104	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	577.017	577.194	0.177	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.002
Steele City	SD	Tripp	577.287	577.375	0.089	SD123	Anselmo fine sandy loam, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	577.375	577.592	0.217	SD123	Elsmere fine sandy loam	0.011
Steele City	SD	Tripp	577.634	577.874	0.240	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.002
Steele City	SD	Tripp	577.874	577.917	0.043	SD123	Vetal fine sandy loam	0.000
Steele City	SD	Tripp	578.044	578.114	0.070	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	578.114	578.366	0.253	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.003
Steele City	SD	Tripp	578.366	578.417	0.050	SD123	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	0.001
Steele City	SD	Tripp	578.417	578.791	0.375	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.004
Steele City	SD	Tripp	578.791	578.884	0.093	SD123	Whitelake fine sandy loam	0.001
Steele City	SD	Tripp	579.007	579.189	0.182	SD123	Whitelake fine sandy loam	0.002
Steele City	SD	Tripp	579.335	579.403	0.069	SD123	Whitelake-Lute fine sandy loams	0.001
Steele City	SD	Tripp	579.403	579.776	0.372	SD123	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	0.004
Steele City	SD	Tripp	579.776	579.993	0.217	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	579.993	580.051	0.058	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	580.051	580.294	0.243	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.002

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	SD	Tripp	580.294	580.447	0.153	SD123	Wewela fine sandy loam, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	580.447	580.479	0.032	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.000
Steele City	SD	Tripp	580.642	580.828	0.186	SD123	Whitelake fine sandy loam	0.002
Steele City	SD	Tripp	580.828	580.972	0.144	SD123	Whitelake-Lute fine sandy loams	0.001
Steele City	SD	Tripp	580.972	581.009	0.037	SD123	Whitelake fine sandy loam	0.000
Steele City	SD	Tripp	581.009	581.035	0.026	SD123	Whitelake-Lute fine sandy loams	0.000
Steele City	SD	Tripp	581.035	581.237	0.202	SD123	Whitelake fine sandy loam	0.002
Steele City	SD	Tripp	581.330	581.476	0.145	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.001
Steele City	SD	Tripp	582.097	582.215	0.119	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	582.215	582.267	0.052	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	582.389	582.600	0.211	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.002
Steele City	SD	Tripp	582.600	582.644	0.044	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.000
Steele City	SD	Tripp	582.644	582.681	0.037	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.001
Steele City	SD	Tripp	582.681	582.764	0.083	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	582.764	582.852	0.088	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.003
Steele City	SD	Tripp	582.852	582.960	0.108	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	582.960	583.013	0.054	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.001
Steele City	SD	Tripp	583.032	583.108	0.076	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.001
Steele City	SD	Tripp	583.281	583.357	0.077	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.001
Steele City	SD	Tripp	583.357	583.564	0.207	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.002
Steele City	SD	Tripp	583.564	583.646	0.082	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	583.646	583.850	0.204	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.002
Steele City	SD	Tripp	583.894	583.898	0.003	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.000
Steele City	SD	Tripp	584.292	584.411	0.119	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.004
Steele City	SD	Tripp	584.411	584.675	0.264	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.003
Steele City	SD	Tripp	584.854	584.942	0.089	SD123	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	0.001
Steele City	SD	Tripp	584.942	585.017	0.074	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.001
Steele City	SD	Tripp	585.017	585.305	0.289	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.003
Steele City	SD	Tripp	585.308	585.409	0.101	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.001
Steele City	SD	Tripp	585.410	585.543	0.133	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.001
Steele City	SD	Tripp	585.646	585.715	0.069	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	585.715	585.853	0.137	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.001
Steele City	SD	Tripp	585.853	585.937	0.084	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	585.937	586.175	0.239	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.002
Steele City	SD	Tripp	586.380	586.633	0.253	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.003
Steele City	SD	Tripp	587.126	587.618	0.492	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.005
Steele City	SD	Tripp	587.618	587.717	0.099	SD123	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	0.001
Steele City	SD	Tripp	587.717	588.197	0.480	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.005
Steele City	SD	Tripp	588.215	588.331	0.115	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.003
Steele City	SD	Tripp	588.331	588.418	0.087	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	588.418	588.626	0.208	SD123	Ronson-Longpine fine sandy loams, 0 to 6 percent slopes	0.002
Steele City	SD	Tripp	588.789	589.051	0.262	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.005
Steele City	SD	Tripp	589.176	589.240	0.063	SD123	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	0.001
Steele City	SD	Tripp	589.336	589.458	0.122	SD123	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	0.001
Steele City	SD	Tripp	589.554	590.019	0.464	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.005
Steele City	SD	Tripp	590.189	590.334	0.144	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.001
Steele City	SD	Tripp	590.334	590.495	0.161	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	590.495	590.561	0.066	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.001
Steele City	SD	Tripp	590.561	590.756	0.195	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.002
Steele City	SD	Tripp	590.756	590.867	0.110	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.002
Steele City	SD	Tripp	590.867	590.922	0.055	SD123	Wann fine sandy loam	0.003
Steele City	SD	Tripp	590.922	591.106	0.185	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	591.106	591.180	0.074	SD123	Boyd clay, 5 to 9 percent slopes	0.002
Steele City	SD	Tripp	591.180	591.222	0.042	SD123	Wann fine sandy loam	0.002
Steele City	SD	Tripp	591.222	591.487	0.264	SD123	Boyd clay, 5 to 9 percent slopes	0.008
Steele City	SD	Tripp	591.487	591.541	0.054	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.001
Steele City	SD	Tripp	591.541	591.728	0.188	SD123	Manter fine sandy loam, 0 to 3 percent slopes	0.004
Steele City	SD	Tripp	591.728	591.847	0.119	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.002
Steele City	SD	Tripp	591.847	592.307	0.459	SD123	Boyd-Okaton association, 9 to 25 percent slopes	0.005
Steele City	SD	Tripp	592.712	592.731	0.019	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000
Steele City	SD	Tripp	592.839	592.921	0.081	SD123	Boyd-Okaton association, 9 to 25 percent slopes	0.001
Steele City	SD	Tripp	593.009	593.113	0.104	SD123	Anselmo fine sandy loam, 6 to 9 percent slopes	0.001
Steele City	SD	Tripp	593.113	593.227	0.114	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.002
Steele City	SD	Tripp	593.227	593.329	0.101	SD123	Anselmo fine sandy loam, 6 to 9 percent slopes	0.001
Steele City	SD	Tripp	593.329	593.451	0.123	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.002
Steele City	SD	Tripp	593.451	593.490	0.039	SD123	Anselmo fine sandy loam, 6 to 9 percent slopes	0.000
Steele City	SD	Tripp	593.490	593.646	0.156	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.003
Steele City	SD	Tripp	594.197	594.433	0.236	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.005
Steele City	SD	Tripp	594.433	594.533	0.101	SD123	Ree loam, 3 to 6 percent slopes	0.003
Steele City	SD	Tripp	594.533	594.649	0.116	SD123	Manter fine sandy loam, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	594.649	594.655	0.005	SD123	Ree loam, 3 to 6 percent slopes	0.000
Steele City	SD	Tripp	594.655	594.679	0.024	SD123	Manter fine sandy loam, 0 to 3 percent slopes	0.000
Steele City	SD	Tripp	594.679	594.715	0.037	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.001
Steele City	SD	Tripp	594.715	595.143	0.428	SD123	Boyd-Okaton association, 9 to 25 percent slopes	0.004
Steele City	SD	Tripp	595.143	595.286	0.143	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.003
Steele City	SD	Tripp	595.286	595.511	0.225	SD123	Boyd-Okaton association, 9 to 25 percent slopes	0.002
Steele City	SD	Tripp	595.511	595.588	0.078	SD123	Promise clay, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	595.588	595.722	0.133	SD123	Bridgeport complex, channeled	0.001
Steele City	SD	Tripp	595.860	595.923	0.063	SD123	Promise clay, 3 to 6 percent slopes	0.001

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	SD	Tripp	596.079	596.202	0.124	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.004
Steele City	SD	Tripp	596.232	596.490	0.258	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.008
Steele City	SD	Tripp	596.490	596.610	0.120	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.002
Steele City	SD	Tripp	596.610	596.645	0.035	SD123	Boyd-Okaton association, 9 to 25 percent slopes	0.000
Steele City	NE	Keyapaha	596.645	596.745	0.100	NE103	Labu silty clay, 6 to 11 percent slopes	0.001
Steele City	NE	Keyapaha	596.745	596.780	0.035	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.001
Steele City	NE	Keyapaha	596.780	596.851	0.071	NE103	Labu silty clay, 6 to 11 percent slopes	0.001
Steele City	NE	Keyapaha	596.892	596.918	0.027	NE103	Labu silty clay, 6 to 11 percent slopes	0.000
Steele City	NE	Keyapaha	596.959	596.961	0.002	NE103	Labu silty clay, 6 to 11 percent slopes	0.000
Steele City	NE	Keyapaha	597.032	597.039	0.006	NE103	Labu silty clay, 6 to 11 percent slopes	0.000
Steele City	NE	Keyapaha	597.039	597.373	0.335	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.007
Steele City	NE	Keyapaha	597.373	597.414	0.041	NE103	Labu silty clay, 6 to 11 percent slopes	0.000
Steele City	NE	Keyapaha	597.469	597.525	0.056	NE103	Labu silty clay, 6 to 11 percent slopes	0.001
Steele City	NE	Keyapaha	597.525	597.750	0.225	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.004
Steele City	NE	Keyapaha	597.750	597.790	0.040	NE103	Cass loam, channeled, 0 to 3 percent slopes	0.000
Steele City	NE	Keyapaha	597.834	597.982	0.149	NE103	Labu silty clay, 6 to 11 percent slopes	0.001
Steele City	NE	Keyapaha	597.982	598.025	0.043	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.001
Steele City	NE	Keyapaha	598.025	598.111	0.085	NE103	Labu silty clay, 6 to 11 percent slopes	0.001
Steele City	NE	Keyapaha	598.111	598.145	0.035	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.001
Steele City	NE	Keyapaha	598.145	598.192	0.046	NE103	Labu silty clay, 6 to 11 percent slopes	0.000
Steele City	NE	Keyapaha	598.192	598.830	0.638	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.013
Steele City	NE	Keyapaha	598.830	598.993	0.162	NE103	Labu silty clay, 6 to 11 percent slopes	0.002
Steele City	NE	Keyapaha	598.993	599.072	0.079	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.002
Steele City	NE	Keyapaha	599.072	599.120	0.048	NE103	Labu silty clay, 6 to 11 percent slopes	0.000
Steele City	NE	Keyapaha	599.197	599.360	0.163	NE103	Vetal loam, 0 to 1 percent slopes	0.002
Steele City	NE	Keyapaha	599.360	599.544	0.184	NE103	Cass loam, 0 to 2 percent slopes	0.002
Steele City	NE	Keyapaha	599.544	599.558	0.014	NE103	Inavale loamy fine sand, 0 to 3 percent slopes	0.001
Steele City	NE	Keyapaha	599.638	599.652	0.014	NE103	Cass loam, 0 to 2 percent slopes	0.000
Steele City	NE	Keyapaha	599.652	599.728	0.076	NE103	Inavale loamy fine sand, 0 to 3 percent slopes	0.004
Steele City	NE	Keyapaha	599.728	599.788	0.061	NE103	Inavale fine sand, channeled, 0 to 3 percent slopes	0.003
Steele City	NE	Keyapaha	599.818	599.911	0.093	NE103	Inavale loamy fine sand, 0 to 3 percent slopes	0.005
Steele City	NE	Keyapaha	599.911	599.939	0.028	NE103	Cass loam, 0 to 2 percent slopes	0.000
Steele City	NE	Keyapaha	599.939	600.023	0.084	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.001
Steele City	NE	Keyapaha	600.023	600.473	0.450	NE103	O'Neill fine sandy loam, 0 to 2 percent slopes	0.004
Steele City	NE	Keyapaha	600.473	600.844	0.371	NE103	O'Neill fine sandy loam, 2 to 6 percent slopes	0.004
Steele City	NE	Keyapaha	600.844	600.925	0.081	NE103	O'Neill fine sandy loam, 0 to 2 percent slopes	0.001
Steele City	NE	Keyapaha	600.925	601.008	0.083	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.001
Steele City	NE	Keyapaha	601.008	601.226	0.219	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.002
Steele City	NE	Keyapaha	601.226	601.294	0.067	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.001
Steele City	NE	Keyapaha	601.294	601.362	0.068	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.001
Steele City	NE	Keyapaha	601.362	601.425	0.063	NE103	Vetal fine sandy loam, 0 to 2 percent slopes	0.001
Steele City	NE	Keyapaha	601.425	601.616	0.191	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.002
Steele City	NE	Keyapaha	601.678	601.802	0.124	NE103	Wewela fine sandy loam, 0 to 3 percent slopes	0.001
Steele City	NE	Keyapaha	601.802	601.873	0.070	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.001
Steele City	NE	Keyapaha	601.873	602.130	0.257	NE103	Anselmo fine sandy loam, 2 to 6 percent slopes	0.003
Steele City	NE	Keyapaha	602.130	602.164	0.034	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.001
Steele City	NE	Keyapaha	602.164	602.288	0.124	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.001
Steele City	NE	Keyapaha	602.288	602.326	0.038	NE103	O'Neill fine sandy loam, 0 to 2 percent slopes	0.000
Steele City	NE	Keyapaha	602.326	602.459	0.134	NE103	Wewela fine sandy loam, 0 to 3 percent slopes	0.001
Steele City	NE	Keyapaha	602.496	602.541	0.045	NE103	Wewela fine sandy loam, 0 to 3 percent slopes	0.000
Steele City	NE	Keyapaha	602.541	602.623	0.082	NE103	Valentine loamy fine sand, gently rolling	0.001
Steele City	NE	Keyapaha	602.623	602.699	0.075	NE103	Simeon-Valentine loamy sands, 0 to 3 percent slopes	0.001
Steele City	NE	Keyapaha	602.699	603.066	0.368	NE103	Valentine loamy fine sand, gently rolling	0.004
Steele City	NE	Keyapaha	603.066	603.094	0.027	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.001
Steele City	NE	Keyapaha	603.094	603.194	0.100	NE103	Valentine loamy fine sand, gently rolling	0.001
Steele City	NE	Keyapaha	603.194	603.278	0.085	NE103	Els fine sand, 0 to 2 percent slopes	0.004
Steele City	NE	Keyapaha	603.278	603.326	0.048	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.001
Steele City	NE	Keyapaha	603.484	603.532	0.048	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.001
Steele City	NE	Keyapaha	603.938	603.985	0.047	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.000
Steele City	NE	Keyapaha	603.985	604.035	0.051	NE103	Inavale fine sand, channeled, 0 to 3 percent slopes	0.003
Steele City	NE	Keyapaha	604.035	604.067	0.032	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.000
Steele City	NE	Keyapaha	604.067	604.108	0.040	NE103	Valentine loamy fine sand, gently rolling	0.000
Steele City	NE	Keyapaha	604.108	604.210	0.102	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.002
Steele City	NE	Keyapaha	604.210	604.250	0.040	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.000
Steele City	NE	Keyapaha	604.250	604.316	0.067	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.001
Steele City	NE	Keyapaha	604.316	604.360	0.044	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.000
Steele City	NE	Keyapaha	604.360	604.671	0.311	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.003
Steele City	NE	Keyapaha	604.741	604.934	0.192	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.002
Steele City	NE	Keyapaha	605.138	605.208	0.070	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.001
Steele City	NE	Keyapaha	607.081	607.136	0.054	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.003
Steele City	NE	Keyapaha	607.465	607.633	0.168	NE103	Loup fine sandy loam, 0 to 2 percent slopes	0.168
Steele City	NE	Keyapaha	608.287	608.303	0.017	NE103	Els fine sand, 0 to 2 percent slopes	0.001
Steele City	NE	Keyapaha	608.341	608.379	0.039	NE103	Els fine sand, 0 to 2 percent slopes	0.002
Steele City	NE	Keyapaha	608.484	608.568	0.084	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.004
Steele City	NE	Keyapaha	608.627	609.074	0.446	NE103	Loup fine sandy loam, 0 to 2 percent slopes	0.446
Steele City	NE	Keyapaha	609.074	609.101	0.027	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.001
Steele City	NE	Keyapaha	609.101	609.184	0.083	NE103	Loup fine sandy loam, 0 to 2 percent slopes	0.083
Steele City	NE	Keyapaha	609.184	609.230	0.046	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.002
Steele City	NE	Keyapaha	609.230	609.287	0.056	NE103	Loup fine sandy loam, 0 to 2 percent slopes	0.056

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	NE	Keyapaha	609.287	609.325	0.038	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.002
Steele City	NE	Keyapaha	609.325	609.410	0.085	NE103	Loup fine sandy loam, 0 to 2 percent slopes	0.085
Steele City	NE	Keyapaha	609.410	609.524	0.114	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.006
Steele City	NE	Keyapaha	609.524	609.550	0.026	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.000
Steele City	NE	Keyapaha	609.584	609.622	0.038	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.000
Steele City	NE	Keyapaha	609.835	609.889	0.054	NE103	Dunday-Duda loamy fine sands, 0 to 3 percent slopes	0.001
Steele City	NE	Keyapaha	610.118	610.142	0.024	NE103	Els fine sand, 0 to 2 percent slopes	0.001
Steele City	NE	Keyapaha	610.184	610.236	0.052	NE103	Els fine sand, 0 to 2 percent slopes	0.003
Steele City	NE	Keyapaha	610.265	610.566	0.301	NE103	Els fine sand, 0 to 2 percent slopes	0.015
Steele City	NE	Keyapaha	610.726	610.987	0.261	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.003
Steele City	NE	Keyapaha	611.117	611.136	0.019	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.000
Steele City	NE	Keyapaha	611.136	611.174	0.038	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.001
Steele City	NE	Keyapaha	611.174	611.371	0.198	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.002
Steele City	NE	Keyapaha	611.413	611.449	0.035	NE103	Els fine sand, 0 to 2 percent slopes	0.002
Steele City	NE	Keyapaha	611.522	611.596	0.074	NE103	Loup fine sandy loam, 0 to 2 percent slopes	0.074
Steele City	NE	Keyapaha	611.596	611.722	0.126	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.006
Steele City	NE	Keyapaha	611.823	612.193	0.369	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.007
Steele City	NE	Keyapaha	612.193	612.220	0.028	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.000
Steele City	NE	Keyapaha	612.220	612.435	0.214	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.004
Steele City	NE	Keyapaha	612.583	612.670	0.087	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.002
Steele City	NE	Keyapaha	612.670	613.052	0.382	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.004
Steele City	NE	Keyapaha	613.074	613.136	0.062	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.001
Steele City	NE	Keyapaha	613.179	613.282	0.102	NE103	Valentine loamy fine sand, gently rolling	0.001
Steele City	NE	Keyapaha	613.483	613.774	0.291	NE103	Els fine sand, 0 to 2 percent slopes	0.015
Steele City	NE	Keyapaha	614.004	614.009	0.005	NE103	Els fine sand, 0 to 2 percent slopes	0.000
Steele City	NE	Keyapaha	614.044	614.164	0.120	NE103	Els fine sand, 0 to 2 percent slopes	0.006
Steele City	NE	Keyapaha	614.164	614.239	0.074	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.004
Steele City	NE	Keyapaha	614.239	614.371	0.132	NE103	Valentine-Wewela loamy fine sands, 3 to 6 percent slopes	0.001
Steele City	NE	Keyapaha	614.371	614.493	0.123	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.002
Steele City	NE	Keyapaha	614.588	614.645	0.057	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.001
Steele City	NE	Keyapaha	614.682	614.912	0.230	NE103	Vetal loam, 0 to 1 percent slopes	0.002
Steele City	NE	Keyapaha	614.921	615.000	0.079	NE103	Boel fine sandy loam, 0 to 2 percent slopes	0.006
Steele City	NE	Keyapaha	615.000	615.175	0.176	NE103	Barney fine sandy loam, 0 to 2 percent slopes	0.176
Steele City	NE	Rock	615.388	615.492	0.104	NE149	Labu-Sansarc silty clays, 11 to 40 percent slopes	0.001
Steele City	NE	Rock	615.492	615.879	0.387	NE149	O'Neill sandy loam, 0 to 2 percent slopes	0.004
Steele City	NE	Rock	615.879	616.159	0.280	NE149	Valentine fine sand, 0 to 3 percent slopes	0.006
Steele City	NE	Rock	616.159	616.685	0.526	NE149	Simeon-Valentine sands, 9 to 60 percent slopes, eroded	0.005
Steele City	NE	Rock	616.685	617.616	0.932	NE149	Simeon loamy sand, 0 to 3 percent slopes	0.009
Steele City	NE	Rock	617.616	617.686	0.070	NE149	Valentine fine sand, 0 to 3 percent slopes	0.001
Steele City	NE	Rock	617.839	618.046	0.207	NE149	Valentine fine sand, 0 to 3 percent slopes	0.004
Steele City	NE	Rock	618.046	618.509	0.462	NE149	Valentine fine sand, 3 to 9 percent slopes	0.009
Steele City	NE	Rock	618.509	619.100	0.591	NE149	Valentine fine sand, rolling	0.012
Steele City	NE	Rock	619.100	619.296	0.196	NE149	Els-Ipage complex, 0 to 3 percent slopes	0.020
Steele City	NE	Rock	619.296	619.689	0.393	NE149	Valentine fine sand, rolling	0.008
Steele City	NE	Rock	619.689	619.918	0.229	NE149	Valentine fine sand, 3 to 9 percent slopes	0.005
Steele City	NE	Rock	619.918	620.055	0.137	NE149	Simeon-Meadin complex, 0 to 9 percent slopes	0.001
Steele City	NE	Rock	620.204	620.369	0.165	NE149	Simeon-Meadin complex, 0 to 9 percent slopes	0.002
Steele City	NE	Rock	620.369	620.554	0.185	NE149	Valentine fine sand, rolling	0.004
Steele City	NE	Rock	620.554	620.709	0.155	NE149	Simeon-Meadin complex, 0 to 9 percent slopes	0.002
Steele City	NE	Rock	620.924	621.270	0.346	NE149	Simeon-Meadin complex, 0 to 9 percent slopes	0.003
Steele City	NE	Rock	621.681	621.880	0.199	NE149	Simeon-Meadin complex, 0 to 9 percent slopes	0.002
Steele City	NE	Rock	621.880	622.650	0.771	NE149	Elsmere loamy fine sand, 0 to 2 percent slopes	0.077
Steele City	NE	Rock	622.650	623.619	0.969	NE149	Pivot loamy sand, 0 to 3 percent slopes	0.010
Steele City	NE	Rock	623.619	623.683	0.064	NE149	Ipage loamy sand, 0 to 3 percent slopes	0.002
Steele City	NE	Rock	623.683	624.111	0.428	NE149	Elsmere loamy fine sand, 0 to 2 percent slopes	0.043
Steele City	NE	Rock	624.111	624.264	0.153	NE149	Loup fine sandy loam, 0 to 2 percent slopes	0.153
Steele City	NE	Rock	624.264	624.346	0.082	NE149	Elsmere loamy fine sand, 0 to 2 percent slopes	0.008
Steele City	NE	Rock	624.346	624.407	0.061	NE149	Marlake loamy fine sand, 0 to 1 percent slopes	0.061
Steele City	NE	Rock	624.407	624.466	0.059	NE149	Elsmere loamy fine sand, 0 to 2 percent slopes	0.006
Steele City	NE	Rock	624.466	624.756	0.289	NE149	Loup fine sandy loam, 0 to 2 percent slopes	0.289
Steele City	NE	Holt	624.756	624.994	0.238	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.238
Steele City	NE	Holt	624.994	625.235	0.241	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.005
Steele City	NE	Holt	625.235	625.327	0.092	NE089	Loup fine sandy loam, wet, 0 to 2 percent slopes	0.092
Steele City	NE	Holt	625.327	625.483	0.156	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.003
Steele City	NE	Holt	625.483	625.532	0.049	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.049
Steele City	NE	Holt	625.532	625.905	0.373	NE089	Valentine fine sand, 3 to 9 percent slopes	0.019
Steele City	NE	Holt	625.905	626.178	0.272	NE089	Valentine fine sand, 0 to 3 percent slopes	0.014
Steele City	NE	Holt	626.178	626.478	0.301	NE089	Valentine fine sand, 3 to 9 percent slopes	0.015
Steele City	NE	Holt	626.478	626.594	0.115	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.001
Steele City	NE	Holt	626.594	626.639	0.045	NE089	Valentine fine sand, 3 to 9 percent slopes	0.002
Steele City	NE	Holt	626.639	626.691	0.052	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.001
Steele City	NE	Holt	626.691	626.694	0.003	NE089	Valentine fine sand, 3 to 9 percent slopes	0.000
Steele City	NE	Holt	626.694	626.758	0.064	NE089	Valentine fine sand, 0 to 3 percent slopes	0.003
Steele City	NE	Holt	626.758	626.789	0.031	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.000
Steele City	NE	Holt	626.789	626.948	0.159	NE089	Valentine fine sand, 0 to 3 percent slopes	0.008
Steele City	NE	Holt	626.948	627.046	0.098	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.001
Steele City	NE	Holt	627.046	627.126	0.080	NE089	Valentine fine sand, 0 to 3 percent slopes	0.004
Steele City	NE	Holt	627.126	627.567	0.441	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.004
Steele City	NE	Holt	627.567	628.306	0.739	NE089	Valentine fine sand, 0 to 3 percent slopes	0.037

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	NE	Holt	628.306	628.418	0.112	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.002
Steele City	NE	Holt	628.418	628.515	0.097	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.002
Steele City	NE	Holt	628.515	628.538	0.023	NE089	Barney-Boel-Calamus complex, channeled	0.015
Steele City	NE	Holt	628.538	628.631	0.094	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.002
Steele City	NE	Holt	628.631	628.667	0.036	NE089	Barney-Boel-Calamus complex, channeled	0.023
Steele City	NE	Holt	628.667	628.855	0.187	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.004
Steele City	NE	Holt	628.855	629.054	0.199	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.004
Steele City	NE	Holt	629.054	629.118	0.065	NE089	Ipage loamy sand, 0 to 3 percent slopes	0.001
Steele City	NE	Holt	629.118	629.210	0.092	NE089	Gannett loam, 0 to 2 percent slopes	0.092
Steele City	NE	Holt	629.210	629.294	0.084	NE089	Marlake fine sandy loam, 0 to 2 percent slopes	0.084
Steele City	NE	Holt	629.294	629.376	0.082	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.002
Steele City	NE	Holt	629.376	629.595	0.219	NE089	Gannett loam, 0 to 2 percent slopes	0.219
Steele City	NE	Holt	629.595	629.652	0.057	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.001
Steele City	NE	Holt	629.652	629.789	0.137	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.003
Steele City	NE	Holt	629.789	629.853	0.064	NE089	Ipage loamy sand, 0 to 3 percent slopes	0.001
Steele City	NE	Holt	629.853	629.944	0.090	NE089	Barney-Boel-Calamus complex, channeled	0.058
Steele City	NE	Holt	629.944	630.007	0.063	NE089	Ipage loamy sand, 0 to 3 percent slopes	0.001
Steele City	NE	Holt	630.007	630.062	0.055	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.001
Steele City	NE	Holt	630.062	630.094	0.032	NE089	Ipage loamy sand, 0 to 3 percent slopes	0.001
Steele City	NE	Holt	630.094	630.171	0.077	NE089	Ord loam, 0 to 2 percent slopes	0.004
Steele City	NE	Holt	630.171	630.207	0.037	NE089	Barney-Boel-Calamus complex, channeled	0.024
Steele City	NE	Holt	630.207	630.265	0.058	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.058
Steele City	NE	Holt	630.265	630.344	0.079	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.002
Steele City	NE	Holt	630.344	630.381	0.037	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.037
Steele City	NE	Holt	630.381	630.430	0.049	NE089	Barney-Boel-Calamus complex, channeled	0.032
Steele City	NE	Holt	630.430	630.454	0.024	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.024
Steele City	NE	Holt	630.454	630.531	0.077	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.002
Steele City	NE	Holt	630.531	630.557	0.026	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.026
Steele City	NE	Holt	630.557	630.662	0.104	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.002
Steele City	NE	Holt	630.662	630.739	0.077	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.077
Steele City	NE	Holt	630.739	630.776	0.037	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.001
Steele City	NE	Holt	630.776	630.986	0.209	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.209
Steele City	NE	Holt	630.986	631.309	0.323	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.006
Steele City	NE	Holt	631.309	631.330	0.021	NE089	Gannett loam, 0 to 2 percent slopes	0.021
Steele City	NE	Holt	631.330	631.387	0.057	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.001
Steele City	NE	Holt	631.387	631.449	0.061	NE089	Gannett loam, 0 to 2 percent slopes	0.061
Steele City	NE	Holt	631.449	631.555	0.106	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.002
Steele City	NE	Holt	631.555	631.656	0.102	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.002
Steele City	NE	Holt	631.656	631.690	0.034	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.001
Steele City	NE	Holt	631.690	631.722	0.031	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.001
Steele City	NE	Holt	631.722	631.824	0.102	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.002
Steele City	NE	Holt	631.824	631.929	0.105	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.002
Steele City	NE	Holt	631.929	632.042	0.113	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.002
Steele City	NE	Holt	632.042	632.070	0.027	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.001
Steele City	NE	Holt	632.137	632.162	0.025	NE089	Libory loamy fine sand, 0 to 3 percent slopes	0.000
Steele City	NE	Holt	632.162	632.207	0.045	NE089	Gannett loam, 0 to 2 percent slopes	0.045
Steele City	NE	Holt	632.207	632.218	0.010	NE089	Libory loamy fine sand, 0 to 3 percent slopes	0.000
Steele City	NE	Holt	632.218	632.267	0.049	NE089	Gannett loam, 0 to 2 percent slopes	0.049
Steele City	NE	Holt	632.267	632.297	0.030	NE089	Gannett loam, wet, 0 to 2 percent slopes	0.030
Steele City	NE	Holt	632.297	633.270	0.973	NE089	Gannett loam, 0 to 2 percent slopes	0.973
Steele City	NE	Holt	633.270	633.545	0.276	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.006
Steele City	NE	Holt	633.545	634.051	0.506	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.010
Steele City	NE	Holt	634.051	634.097	0.046	NE089	Gannett loam, wet, 0 to 2 percent slopes	0.046
Steele City	NE	Holt	634.097	634.148	0.052	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.001
Steele City	NE	Holt	634.148	634.199	0.050	NE089	Gannett loam, 0 to 2 percent slopes	0.050
Steele City	NE	Holt	634.199	634.256	0.058	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.001
Steele City	NE	Holt	634.256	634.272	0.016	NE089	Gannett loam, 0 to 2 percent slopes	0.016
Steele City	NE	Holt	634.272	634.398	0.126	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.003
Steele City	NE	Holt	634.398	634.535	0.137	NE089	Gannett loam, 0 to 2 percent slopes	0.137
Steele City	NE	Holt	634.535	634.673	0.139	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.003
Steele City	NE	Holt	634.673	634.909	0.235	NE089	Gannett loam, wet, 0 to 2 percent slopes	0.235
Steele City	NE	Holt	634.909	634.950	0.042	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.001
Steele City	NE	Holt	634.950	635.050	0.100	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.005
Steele City	NE	Holt	635.050	635.130	0.080	NE089	Gannett loam, wet, 0 to 2 percent slopes	0.080
Steele City	NE	Holt	635.130	635.479	0.349	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.007
Steele City	NE	Holt	635.479	635.561	0.082	NE089	Loup fine sandy loam, wet, 0 to 2 percent slopes	0.082
Steele City	NE	Holt	635.561	636.029	0.468	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.009
Steele City	NE	Holt	636.029	636.077	0.048	NE089	Barney-Boel-Calamus complex, channeled	0.031
Steele City	NE	Holt	636.077	636.114	0.037	NE089	Tryon loamy fine sand, 0 to 2 percent slopes	0.037
Steele City	NE	Holt	636.114	636.221	0.106	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.005
Steele City	NE	Holt	636.221	636.233	0.012	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.012
Steele City	NE	Holt	636.233	636.258	0.025	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.001
Steele City	NE	Holt	636.258	636.496	0.238	NE089	Ipage loamy sand, 0 to 3 percent slopes	0.005
Steele City	NE	Holt	636.496	636.652	0.156	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.008
Steele City	NE	Holt	636.652	636.768	0.116	NE089	Valentine fine sand, 3 to 9 percent slopes	0.006
Steele City	NE	Holt	636.768	636.833	0.065	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.003
Steele City	NE	Holt	636.833	636.887	0.054	NE089	Libory loamy fine sand, 0 to 3 percent slopes	0.001
Steele City	NE	Holt	636.887	637.029	0.142	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.007
Steele City	NE	Holt	637.029	637.266	0.236	NE089	Els loamy sand, 0 to 2 percent slopes	0.007

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	NE	Holt	637.266	638.312	1.046	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.052
Steele City	NE	Holt	638.312	638.410	0.098	NE089	Loup fine sandy loam, wet, 0 to 2 percent slopes	0.098
Steele City	NE	Holt	638.410	638.454	0.044	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.001
Steele City	NE	Holt	638.454	639.280	0.826	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.041
Steele City	NE	Holt	639.280	639.346	0.066	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.003
Steele City	NE	Holt	639.346	639.460	0.115	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.115
Steele City	NE	Holt	639.460	639.584	0.123	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.006
Steele City	NE	Holt	639.584	639.664	0.080	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.080
Steele City	NE	Holt	639.664	639.941	0.278	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.014
Steele City	NE	Holt	639.941	640.035	0.093	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.093
Steele City	NE	Holt	640.035	640.142	0.107	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.005
Steele City	NE	Holt	640.142	640.259	0.117	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.117
Steele City	NE	Holt	640.259	640.292	0.033	NE089	Loup fine sandy loam, wet, 0 to 2 percent slopes	0.033
Steele City	NE	Holt	640.292	640.722	0.429	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.021
Steele City	NE	Holt	640.722	640.787	0.066	NE089	Ipage loamy sand, 0 to 3 percent slopes	0.001
Steele City	NE	Holt	640.787	640.842	0.055	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.003
Steele City	NE	Holt	640.842	640.867	0.025	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.025
Steele City	NE	Holt	640.867	640.910	0.043	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.002
Steele City	NE	Holt	640.910	641.158	0.248	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.248
Steele City	NE	Holt	641.158	641.229	0.070	NE089	Gannett loam, wet, 0 to 2 percent slopes	0.070
Steele City	NE	Holt	641.229	641.599	0.370	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.370
Steele City	NE	Holt	641.599	641.680	0.081	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.004
Steele City	NE	Holt	641.680	641.729	0.050	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.050
Steele City	NE	Holt	641.729	641.780	0.050	NE089	Gannett loam, wet, 0 to 2 percent slopes	0.050
Steele City	NE	Holt	641.780	641.882	0.102	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.102
Steele City	NE	Holt	641.882	641.926	0.045	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.002
Steele City	NE	Holt	641.926	641.974	0.047	NE089	Gannett loam, wet, 0 to 2 percent slopes	0.047
Steele City	NE	Holt	641.974	642.015	0.041	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.002
Steele City	NE	Holt	642.015	642.141	0.126	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.126
Steele City	NE	Holt	642.141	642.194	0.053	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.001
Steele City	NE	Holt	642.194	642.290	0.097	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.097
Steele City	NE	Holt	642.290	642.343	0.053	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.001
Steele City	NE	Holt	642.343	642.498	0.155	NE089	Loup fine sandy loam, wet, 0 to 2 percent slopes	0.155
Steele City	NE	Holt	642.498	642.552	0.054	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.001
Steele City	NE	Holt	642.552	642.600	0.048	NE089	Loup fine sandy loam, wet, 0 to 2 percent slopes	0.048
Steele City	NE	Holt	642.600	643.122	0.522	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.010
Steele City	NE	Holt	643.122	643.158	0.036	NE089	Loup fine sandy loam, wet, 0 to 2 percent slopes	0.036
Steele City	NE	Holt	643.158	643.458	0.300	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.015
Steele City	NE	Holt	643.458	643.483	0.024	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.024
Steele City	NE	Holt	643.483	643.896	0.413	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.021
Steele City	NE	Holt	643.896	643.961	0.065	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.065
Steele City	NE	Holt	643.961	644.145	0.184	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.018
Steele City	NE	Holt	644.145	644.184	0.039	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.002
Steele City	NE	Holt	644.184	644.273	0.089	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.089
Steele City	NE	Holt	644.273	644.310	0.037	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.002
Steele City	NE	Holt	644.310	644.344	0.034	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.034
Steele City	NE	Holt	644.344	644.412	0.069	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.003
Steele City	NE	Holt	644.412	644.436	0.024	NE089	Els loamy sand, 0 to 2 percent slopes	0.001
Steele City	NE	Holt	644.436	644.518	0.082	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.004
Steele City	NE	Holt	644.518	644.657	0.139	NE089	Loup fine sandy loam, wet, 0 to 2 percent slopes	0.139
Steele City	NE	Holt	644.657	644.846	0.189	NE089	Elsmere fine sandy loam, 0 to 2 percent slopes	0.009
Steele City	NE	Holt	644.846	645.064	0.218	NE089	Els loamy sand, 0 to 2 percent slopes	0.007
Steele City	NE	Holt	645.064	645.134	0.070	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.007
Steele City	NE	Holt	645.134	645.396	0.263	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.263
Steele City	NE	Holt	645.396	645.435	0.038	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.004
Steele City	NE	Holt	645.435	645.481	0.046	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.046
Steele City	NE	Holt	645.481	645.569	0.088	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.009
Steele City	NE	Holt	645.569	645.590	0.021	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.021
Steele City	NE	Holt	645.590	645.829	0.240	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.024
Steele City	NE	Holt	645.829	645.845	0.016	NE089	Tryon loamy fine sand, 0 to 2 percent slopes	0.016
Steele City	NE	Holt	645.845	646.224	0.379	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.038
Steele City	NE	Holt	646.224	646.317	0.094	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.094
Steele City	NE	Holt	646.317	646.338	0.021	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.002
Steele City	NE	Holt	646.338	646.426	0.088	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.004
Steele City	NE	Holt	646.426	646.580	0.154	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.003
Steele City	NE	Holt	646.580	646.747	0.167	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.167
Steele City	NE	Holt	646.747	646.765	0.017	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.000
Steele City	NE	Holt	646.765	646.821	0.057	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.057
Steele City	NE	Holt	646.821	646.986	0.164	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.003
Steele City	NE	Holt	646.986	647.274	0.288	NE089	Barney-Boel-Calamus complex, channeled	0.184
Steele City	NE	Holt	647.274	647.651	0.378	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.008
Steele City	NE	Holt	647.651	647.744	0.093	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.093
Steele City	NE	Holt	647.744	647.824	0.079	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.002
Steele City	NE	Holt	647.824	647.901	0.077	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.077
Steele City	NE	Holt	647.901	648.622	0.722	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.036
Steele City	NE	Holt	648.622	648.847	0.225	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.023
Steele City	NE	Holt	648.847	648.873	0.026	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.026
Steele City	NE	Holt	648.873	649.171	0.298	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.015
Steele City	NE	Holt	649.171	649.253	0.082	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.008

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	NE	Holt	649.253	649.385	0.132	NE089	Els loamy sand, 0 to 2 percent slopes	0.004
Steele City	NE	Holt	649.385	649.426	0.041	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.001
Steele City	NE	Holt	649.426	649.484	0.057	NE089	Gannett loam, 0 to 2 percent slopes	0.057
Steele City	NE	Holt	649.484	649.882	0.399	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.008
Steele City	NE	Holt	649.882	650.036	0.154	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.008
Steele City	NE	Holt	650.036	650.080	0.044	NE089	Gannett loam, 0 to 2 percent slopes	0.044
Steele City	NE	Holt	650.080	650.269	0.190	NE089	Gannett loam, wet, 0 to 2 percent slopes	0.190
Steele City	NE	Holt	650.269	650.429	0.160	NE089	Gannett loam, 0 to 2 percent slopes	0.160
Steele City	NE	Holt	650.429	650.553	0.124	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.006
Steele City	NE	Holt	650.553	650.576	0.023	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.023
Steele City	NE	Holt	650.576	650.618	0.042	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.002
Steele City	NE	Holt	650.618	650.757	0.140	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.014
Steele City	NE	Holt	650.757	651.036	0.279	NE089	Valentine fine sand, rolling	0.006
Steele City	NE	Holt	651.036	651.193	0.157	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.008
Steele City	NE	Holt	651.193	651.219	0.027	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.027
Steele City	NE	Holt	651.219	651.364	0.145	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.007
Steele City	NE	Holt	651.364	651.642	0.278	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.028
Steele City	NE	Holt	651.642	651.688	0.046	NE089	Els loamy sand, 0 to 2 percent slopes	0.001
Steele City	NE	Holt	651.688	651.783	0.095	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.010
Steele City	NE	Holt	651.783	652.025	0.241	NE089	Valentine fine sand, rolling	0.005
Steele City	NE	Holt	652.663	652.921	0.258	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.026
Steele City	NE	Holt	652.921	653.001	0.080	NE089	Tryon loamy fine sand, 0 to 2 percent slopes	0.080
Steele City	NE	Holt	653.001	653.419	0.418	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.418
Steele City	NE	Holt	653.419	653.809	0.390	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.039
Steele City	NE	Holt	653.809	653.877	0.068	NE089	Almeria-Calamus complex, channeled	0.038
Steele City	NE	Holt	653.877	654.359	0.482	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.024
Steele City	NE	Holt	654.359	654.492	0.133	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.013
Steele City	NE	Holt	654.492	655.095	0.603	NE089	Valentine fine sand, rolling	0.012
Steele City	NE	Holt	655.095	655.284	0.189	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.019
Steele City	NE	Holt	655.284	655.367	0.083	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.004
Steele City	NE	Holt	655.367	655.446	0.079	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.079
Steele City	NE	Holt	655.446	655.587	0.141	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.003
Steele City	NE	Holt	655.587	655.590	0.003	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.000
Steele City	NE	Holt	655.590	655.597	0.006	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.000
Steele City	NE	Holt	655.597	655.685	0.088	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.088
Steele City	NE	Holt	655.685	655.816	0.131	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.003
Steele City	NE	Holt	655.816	655.872	0.057	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.057
Steele City	NE	Holt	655.872	655.976	0.104	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.002
Steele City	NE	Holt	655.976	656.177	0.201	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.004
Steele City	NE	Holt	656.177	656.225	0.048	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.002
Steele City	NE	Holt	656.225	656.418	0.193	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.004
Steele City	NE	Holt	656.418	656.551	0.133	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.013
Steele City	NE	Holt	656.551	657.108	0.556	NE089	Valentine fine sand, rolling	0.011
Steele City	NE	Holt	657.108	657.468	0.360	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.036
Steele City	NE	Holt	657.468	657.549	0.081	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.081
Steele City	NE	Holt	657.549	657.614	0.065	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.003
Steele City	NE	Holt	657.614	657.866	0.252	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.025
Steele City	NE	Holt	657.866	657.900	0.034	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.002
Steele City	NE	Holt	657.900	657.923	0.023	NE089	Tryon loamy fine sand, 0 to 2 percent slopes	0.023
Steele City	NE	Holt	657.923	658.243	0.321	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.032
Steele City	NE	Holt	658.243	658.394	0.151	NE089	Valentine fine sand, rolling	0.003
Steele City	NE	Holt	658.394	658.555	0.161	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.016
Steele City	NE	Holt	658.555	659.345	0.790	NE089	Valentine fine sand, rolling	0.016
Steele City	NE	Holt	659.345	659.401	0.056	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.006
Steele City	NE	Holt	659.401	659.535	0.134	NE089	Tryon loamy fine sand, 0 to 2 percent slopes	0.134
Steele City	NE	Holt	659.535	659.547	0.012	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.001
Steele City	NE	Holt	659.547	659.739	0.192	NE089	Tryon loamy fine sand, 0 to 2 percent slopes	0.192
Steele City	NE	Holt	659.739	660.003	0.264	NE089	Els loamy sand, 0 to 2 percent slopes	0.008
Steele City	NE	Holt	660.003	660.129	0.126	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.006
Steele City	NE	Holt	660.129	660.244	0.115	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.012
Steele City	NE	Holt	660.244	660.370	0.126	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.006
Steele City	NE	Holt	660.370	660.446	0.076	NE089	Blown out land-Valentine complex, 6 to 60 percent slopes	0.004
Steele City	NE	Holt	660.446	660.607	0.161	NE089	Valentine fine sand, rolling	0.003
Steele City	NE	Holt	660.607	660.698	0.091	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.005
Steele City	NE	Holt	660.698	660.932	0.235	NE089	Tryon loamy fine sand, 0 to 2 percent slopes	0.235
Steele City	NE	Holt	660.932	661.019	0.087	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.004
Steele City	NE	Holt	661.019	661.095	0.076	NE089	Tryon loamy fine sand, 0 to 2 percent slopes	0.076
Steele City	NE	Holt	661.095	661.151	0.056	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.003
Steele City	NE	Holt	661.151	661.260	0.109	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.011
Steele City	NE	Holt	661.260	661.326	0.066	NE089	Tryon loamy fine sand, 0 to 2 percent slopes	0.066
Steele City	NE	Holt	661.326	661.350	0.024	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.001
Steele City	NE	Holt	661.350	661.520	0.169	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.017
Steele City	NE	Holt	661.520	661.682	0.163	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.008
Steele City	NE	Holt	661.682	661.842	0.159	NE089	Valentine fine sand, rolling	0.003
Steele City	NE	Holt	662.085	662.458	0.372	NE089	Valentine fine sand, rolling	0.007
Steele City	NE	Holt	662.458	662.721	0.263	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.013
Steele City	NE	Holt	662.721	662.794	0.073	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.007
Steele City	NE	Holt	662.794	663.015	0.221	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.011
Steele City	NE	Holt	663.015	663.126	0.111	NE089	Loup fine sandy loam, 0 to 2 percent slopes	0.111

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	NE	Holt	663.126	663.213	0.087	NE089	Els loamy sand, 0 to 2 percent slopes	0.003
Steele City	NE	Holt	663.213	663.298	0.085	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.085
Steele City	NE	Holt	663.298	663.352	0.054	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.003
Steele City	NE	Holt	663.352	663.573	0.221	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.004
Steele City	NE	Holt	663.573	663.813	0.240	NE089	Els loamy sand, 0 to 2 percent slopes	0.007
Steele City	NE	Holt	663.813	663.857	0.045	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.002
Steele City	NE	Holt	663.857	663.941	0.084	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.084
Steele City	NE	Holt	663.941	663.974	0.033	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.002
Steele City	NE	Holt	663.974	664.355	0.381	NE089	Els loamy sand, 0 to 2 percent slopes	0.011
Steele City	NE	Holt	664.355	664.537	0.182	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.009
Steele City	NE	Holt	664.537	664.603	0.066	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.007
Steele City	NE	Holt	664.603	664.626	0.023	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.001
Steele City	NE	Holt	664.626	664.708	0.082	NE089	Marlake fine sandy loam, 0 to 2 percent slopes	0.082
Steele City	NE	Holt	664.708	664.738	0.030	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.030
Steele City	NE	Holt	664.738	664.910	0.172	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.009
Steele City	NE	Holt	664.910	665.049	0.139	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.139
Steele City	NE	Holt	665.049	665.337	0.288	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.014
Steele City	NE	Holt	665.337	665.387	0.050	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.050
Steele City	NE	Holt	665.387	665.519	0.132	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.007
Steele City	NE	Holt	665.519	665.591	0.072	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.072
Steele City	NE	Holt	665.591	665.692	0.101	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.005
Steele City	NE	Holt	665.692	665.695	0.003	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.000
Steele City	NE	Holt	665.695	665.749	0.054	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.003
Steele City	NE	Holt	665.749	665.792	0.043	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.004
Steele City	NE	Holt	666.353	666.556	0.203	NE089	Valentine fine sand, rolling	0.004
Steele City	NE	Holt	666.556	666.647	0.092	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.009
Steele City	NE	Holt	666.647	666.710	0.062	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.003
Steele City	NE	Holt	666.710	667.060	0.350	NE089	Valentine fine sand, 3 to 9 percent slopes	0.017
Steele City	NE	Holt	667.060	667.090	0.030	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.001
Steele City	NE	Holt	667.090	667.168	0.078	NE089	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.078
Steele City	NE	Holt	667.168	667.331	0.163	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.008
Steele City	NE	Holt	667.331	667.727	0.397	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.040
Steele City	NE	Holt	667.727	667.757	0.030	NE089	Valentine fine sand, rolling	0.001
Steele City	NE	Holt	667.757	667.922	0.164	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.016
Steele City	NE	Holt	667.922	668.026	0.105	NE089	Valentine fine sand, rolling	0.002
Steele City	NE	Holt	668.026	668.916	0.890	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.089
Steele City	NE	Holt	668.916	669.015	0.099	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.005
Steele City	NE	Holt	669.015	669.078	0.063	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.006
Steele City	NE	Holt	669.078	669.331	0.253	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.013
Steele City	NE	Garfield	669.331	669.406	0.075	NE071	Els-Ipage complex, 0 to 3 percent slopes	0.007
Steele City	NE	Garfield	669.406	669.440	0.034	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.002
Steele City	NE	Garfield	669.440	669.479	0.039	NE071	Els-Ipage complex, 0 to 3 percent slopes	0.004
Steele City	NE	Garfield	669.479	670.065	0.586	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.041
Steele City	NE	Garfield	670.065	670.088	0.023	NE071	Tryon loamy fine sand, 0 to 2 percent slopes	0.023
Steele City	NE	Garfield	670.088	670.137	0.049	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.003
Steele City	NE	Garfield	670.137	670.177	0.040	NE071	Els-Ipage complex, 0 to 3 percent slopes	0.004
Steele City	NE	Garfield	670.177	670.242	0.064	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.004
Steele City	NE	Garfield	670.242	670.352	0.110	NE071	Valentine fine sand, rolling	0.002
Steele City	NE	Garfield	670.352	670.466	0.114	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.008
Steele City	NE	Garfield	670.466	670.646	0.180	NE071	Valentine fine sand, rolling	0.004
Steele City	NE	Garfield	670.646	670.748	0.102	NE071	Blownout land-Valentine complex, 6 to 60 percent slopes	0.005
Steele City	NE	Garfield	670.748	670.972	0.224	NE071	Valentine fine sand, rolling	0.004
Steele City	NE	Garfield	670.972	671.085	0.113	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.008
Steele City	NE	Garfield	671.085	671.371	0.286	NE071	Valentine fine sand, rolling	0.006
Steele City	NE	Garfield	671.371	671.744	0.373	NE071	Valentine fine sand, rolling and hilly	0.007
Steele City	NE	Garfield	671.744	671.786	0.042	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.003
Steele City	NE	Garfield	671.786	671.849	0.062	NE071	Valentine fine sand, rolling	0.001
Steele City	NE	Garfield	671.849	671.878	0.029	NE071	Tryon-Ipage complex, 0 to 3 percent slopes	0.018
Steele City	NE	Garfield	671.878	671.908	0.030	NE071	Valentine fine sand, rolling	0.001
Steele City	NE	Garfield	671.908	671.940	0.032	NE071	Tryon-Ipage complex, 0 to 3 percent slopes	0.019
Steele City	NE	Garfield	671.940	671.966	0.026	NE071	Valentine fine sand, rolling	0.001
Steele City	NE	Garfield	671.966	671.974	0.009	NE071	Tryon-Ipage complex, 0 to 3 percent slopes	0.005
Steele City	NE	Garfield	671.974	672.045	0.071	NE071	Valentine fine sand, rolling	0.001
Steele City	NE	Garfield	672.045	672.086	0.041	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.003
Steele City	NE	Garfield	672.086	672.128	0.042	NE071	Valentine fine sand, rolling	0.001
Steele City	NE	Garfield	672.128	672.181	0.052	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.004
Steele City	NE	Garfield	672.181	672.275	0.094	NE071	Valentine fine sand, rolling	0.002
Steele City	NE	Garfield	672.275	672.421	0.146	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.010
Steele City	NE	Garfield	672.421	672.459	0.038	NE071	Valentine fine sand, rolling	0.001
Steele City	NE	Garfield	672.459	672.526	0.067	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.005
Steele City	NE	Garfield	672.526	672.551	0.024	NE071	Tryon loamy fine sand, wet, 0 to 2 percent slopes	0.024
Steele City	NE	Garfield	672.551	672.645	0.094	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.007
Steele City	NE	Garfield	672.645	672.935	0.290	NE071	Valentine fine sand, rolling	0.006
Steele City	NE	Garfield	672.935	673.245	0.310	NE071	Valentine fine sand, rolling and hilly	0.006
Steele City	NE	Garfield	673.245	674.016	0.771	NE071	Valentine fine sand, rolling	0.015
Steele City	NE	Garfield	674.016	674.074	0.058	NE071	Blownout land-Valentine complex, 6 to 60 percent slopes	0.003
Steele City	NE	Garfield	674.074	674.107	0.033	NE071	Valentine fine sand, rolling	0.001
Steele City	NE	Garfield	674.107	674.123	0.016	NE071	Blownout land-Valentine complex, 6 to 60 percent slopes	0.001
Steele City	NE	Garfield	674.123	674.709	0.586	NE071	Valentine fine sand, rolling	0.012

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	NE	Garfield	674.709	675.000	0.291	NE071	Valentine fine sand, rolling and hilly	0.006
Steele City	NE	Garfield	675.000	675.038	0.038	NE071	Valentine fine sand, rolling	0.001
Steele City	NE	Garfield	675.038	675.157	0.119	NE071	Valentine fine sand, rolling and hilly	0.002
Steele City	NE	Garfield	675.157	675.238	0.081	NE071	Valentine fine sand, rolling	0.002
Steele City	NE	Garfield	675.238	675.497	0.259	NE071	Valentine fine sand, rolling and hilly	0.005
Steele City	NE	Garfield	675.497	675.650	0.153	NE071	Blownout land-Valentine complex, 6 to 60 percent slopes	0.008
Steele City	NE	Garfield	675.650	676.667	1.017	NE071	Valentine fine sand, rolling and hilly	0.020
Steele City	NE	Garfield	676.667	676.699	0.032	NE071	Valentine fine sand, rolling	0.001
Steele City	NE	Garfield	676.699	676.905	0.206	NE071	Valentine fine sand, rolling and hilly	0.004
Steele City	NE	Garfield	676.905	676.966	0.061	NE071	Valentine fine sand, rolling	0.001
Steele City	NE	Garfield	676.966	677.035	0.069	NE071	Valentine fine sand, rolling and hilly	0.001
Steele City	NE	Garfield	677.035	677.346	0.311	NE071	Valentine fine sand, rolling	0.006
Steele City	NE	Garfield	677.346	678.086	0.740	NE071	Valentine fine sand, rolling and hilly	0.015
Steele City	NE	Garfield	678.086	678.146	0.059	NE071	Valentine fine sand, rolling	0.001
Steele City	NE	Garfield	678.737	678.803	0.067	NE071	Ipage loamy sand, 0 to 3 percent slopes	0.001
Steele City	NE	Garfield	679.335	679.543	0.208	NE071	Ipage loamy sand, 0 to 3 percent slopes	0.004
Steele City	NE	Garfield	679.543	679.632	0.089	NE071	Valentine fine sand, 3 to 9 percent slopes	0.002
Steele City	NE	Wheeler	679.632	679.736	0.104	NE183	Valentine fine sand, 3 to 9 percent slopes	0.005
Steele City	NE	Wheeler	679.851	679.991	0.140	NE183	Valentine fine sand, rolling	0.003
Steele City	NE	Wheeler	680.383	680.552	0.169	NE183	Blownout land-Valentine complex, 6 to 60 percent slopes	0.003
Steele City	NE	Wheeler	680.780	680.885	0.105	NE183	Valentine fine sand, rolling	0.002
Steele City	NE	Wheeler	681.276	681.285	0.009	NE183	Valentine fine sand, rolling	0.000
Steele City	NE	Wheeler	681.357	681.468	0.111	NE183	Valentine fine sand, rolling	0.002
Steele City	NE	Wheeler	681.468	681.716	0.248	NE183	Blownout land-Valentine complex, 6 to 60 percent slopes	0.005
Steele City	NE	Wheeler	681.716	681.940	0.223	NE183	Valentine fine sand, rolling	0.004
Steele City	NE	Wheeler	681.940	681.954	0.015	NE183	Blownout land-Valentine complex, 6 to 60 percent slopes	0.000
Steele City	NE	Wheeler	681.954	682.297	0.343	NE183	Valentine fine sand, rolling	0.007
Steele City	NE	Wheeler	682.687	682.790	0.103	NE183	Valentine fine sand, 3 to 9 percent slopes	0.005
Steele City	NE	Wheeler	683.965	684.520	0.555	NE183	Valentine fine sand, rolling	0.011
Steele City	NE	Wheeler	684.999	685.048	0.049	NE183	Valentine fine sand, rolling	0.001
Steele City	NE	Wheeler	685.174	685.236	0.062	NE183	Valentine fine sand, rolling	0.001
Steele City	NE	Wheeler	686.369	686.833	0.465	NE183	Valentine fine sand, rolling	0.009
Steele City	NE	Wheeler	687.508	687.552	0.044	NE183	Valentine fine sand, rolling	0.001
Steele City	NE	Wheeler	688.395	688.469	0.074	NE183	Valentine fine sand, rolling	0.001
Steele City	NE	Wheeler	689.938	690.065	0.127	NE183	Valentine fine sand, rolling	0.003
Steele City	NE	Wheeler	691.062	691.138	0.076	NE183	Valentine fine sand, rolling	0.002
Steele City	NE	Wheeler	691.319	691.417	0.098	NE183	Valentine fine sand, rolling	0.002
Steele City	NE	Wheeler	691.835	691.965	0.130	NE183	Valentine fine sand, rolling	0.003
Steele City	NE	Wheeler	692.336	692.450	0.114	NE183	Valentine fine sand, rolling	0.002
Steele City	NE	Wheeler	692.665	692.844	0.179	NE183	Valentine fine sand, rolling	0.004
Steele City	NE	Wheeler	693.198	693.276	0.078	NE183	Valentine fine sand, rolling	0.002
Steele City	NE	Wheeler	693.943	694.329	0.386	NE183	Valentine fine sand, 3 to 9 percent slopes	0.019
Steele City	NE	Wheeler	694.456	694.599	0.143	NE183	Valentine fine sand, rolling	0.003
Steele City	NE	Wheeler	694.848	694.933	0.085	NE183	Valentine fine sand, rolling	0.002
Steele City	NE	Wheeler	695.023	695.252	0.229	NE183	Ipage fine sand, 0 to 3 percent slopes	0.011
Steele City	NE	Wheeler	695.252	695.451	0.199	NE183	Valentine fine sand, 3 to 9 percent slopes	0.010
Steele City	NE	Wheeler	695.451	695.483	0.032	NE183	Valentine fine sand, rolling	0.001
Steele City	NE	Wheeler	695.483	695.523	0.040	NE183	Ipage fine sand, 0 to 3 percent slopes	0.002
Steele City	NE	Wheeler	695.523	695.576	0.053	NE183	Valentine fine sand, rolling	0.001
Steele City	NE	Wheeler	695.576	695.630	0.055	NE183	Els-Ipage fine sands, 0 to 3 percent slopes	0.003
Steele City	NE	Wheeler	695.630	695.748	0.118	NE183	Ipage fine sand, 0 to 3 percent slopes	0.006
Steele City	NE	Wheeler	695.748	696.161	0.413	NE183	Els-Ipage fine sands, 0 to 3 percent slopes	0.021
Steele City	NE	Wheeler	696.161	696.207	0.045	NE183	Valentine fine sand, 0 to 3 percent slopes	0.002
Steele City	NE	Wheeler	696.207	696.431	0.224	NE183	Els-Ipage fine sands, 0 to 3 percent slopes	0.011
Steele City	NE	Wheeler	696.431	696.466	0.034	NE183	Tryon-Inavale complex, channeled	0.021
Steele City	NE	Wheeler	696.493	696.615	0.122	NE183	Valentine fine sand, 0 to 3 percent slopes	0.006
Steele City	NE	Wheeler	696.870	696.991	0.122	NE183	Ipage fine sand, 0 to 3 percent slopes	0.006
Steele City	NE	Wheeler	696.991	697.058	0.066	NE183	Valentine fine sand, rolling	0.001
Steele City	NE	Wheeler	697.058	697.191	0.133	NE183	Valentine fine sand, 3 to 9 percent slopes	0.007
Steele City	NE	Wheeler	697.191	697.352	0.161	NE183	Valentine fine sand, rolling	0.003
Steele City	NE	Wheeler	697.352	697.573	0.221	NE183	Valentine fine sand, 3 to 9 percent slopes	0.011
Steele City	NE	Greeley	698.315	698.437	0.122	NE077	Ipage fine sand, 0 to 3 percent slopes	0.001
Steele City	NE	Greeley	698.552	698.607	0.055	NE077	Ipage fine sand, 0 to 3 percent slopes	0.001
Steele City	NE	Greeley	708.544	708.571	0.027	NE077	Kenesaw very fine sandy loam, 1 to 3 percent slopes	0.000
Steele City	NE	Greeley	708.972	709.007	0.036	NE077	Coly-Hobbs silt loams, 2 to 60 percent slopes	0.000
Steele City	NE	Greeley	709.007	709.242	0.235	NE077	Hord silt loam, terrace, 1 to 3 percent slopes	0.002
Steele City	NE	Greeley	709.383	709.472	0.089	NE077	Hord silt loam, terrace, 1 to 3 percent slopes	0.001
Steele City	NE	Greeley	709.521	709.644	0.124	NE077	Hord silt loam, terrace, 1 to 3 percent slopes	0.001
Steele City	NE	Greeley	709.644	709.694	0.049	NE077	Hobbs silt loam, 0 to 2 percent slopes	0.000
Steele City	NE	Greeley	709.694	709.723	0.029	NE077	Hord silt loam, terrace, 1 to 3 percent slopes	0.000
Steele City	NE	Greeley	714.204	714.382	0.178	NE077	Hall silt loam, 1 to 3 percent slopes	0.004
Steele City	NE	Greeley	715.628	715.658	0.030	NE077	Hall silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Greeley	717.800	717.887	0.086	NE077	Hobbs silt loam, 0 to 2 percent slopes	0.001
Steele City	NE	Boone	723.312	723.511	0.199	NE011	Hord silt loam, 1 to 3 percent slopes	0.002
Steele City	NE	Boone	723.564	723.632	0.068	NE011	Hord silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Boone	723.632	723.953	0.321	NE011	Hord silt loam, 0 to 1 percent slopes	0.003
Steele City	NE	Boone	724.053	724.168	0.115	NE011	Hord silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	Boone	724.503	724.566	0.064	NE011	Hord silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	Boone	724.610	724.616	0.006	NE011	Hord silt loam, 0 to 1 percent slopes	0.000

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	NE	Nance	727.554	727.674	0.120	NE125	Silty alluvial land	0.001
Steele City	NE	Nance	727.702	727.740	0.038	NE125	Silty alluvial land	0.000
Steele City	NE	Nance	727.881	727.932	0.051	NE125	Silty alluvial land	0.001
Steele City	NE	Nance	739.555	739.701	0.146	NE125	Very sandy alluvial land	0.146
Steele City	NE	Nance	739.865	739.956	0.091	NE125	Riverwash	0.091
Steele City	NE	Nance	739.956	740.317	0.361	NE125	Very sandy alluvial land	0.361
Steele City	NE	Nance	740.317	740.627	0.310	NE125	Newman loamy fine sand, 1 to 3 percent slopes, eroded	0.003
Steele City	NE	Nance	740.627	740.646	0.020	NE125	Aquolls	0.020
Steele City	NE	Nance	740.646	740.768	0.122	NE125	Newman loamy fine sand, 1 to 3 percent slopes, eroded	0.001
Steele City	NE	Nance	740.768	740.881	0.114	NE125	Cass fine sandy loam	0.001
Steele City	NE	Nance	740.881	740.910	0.028	NE125	Newman loamy fine sand, 1 to 3 percent slopes	0.000
Steele City	NE	Nance	740.910	740.977	0.068	NE125	Rauville soils	0.068
Steele City	NE	Nance	741.167	741.294	0.128	NE125	Ortello very fine sandy loam, 1 to 3 percent slopes	0.001
Steele City	NE	Nance	741.294	741.698	0.403	NE125	Hord very fine sandy loam, imperfectly drained, 0 to 1 percent slopes	0.004
Steele City	NE	Nance	741.698	741.714	0.016	NE125	Hord very fine sandy loam, 0 to 1 percent slopes	0.000
Steele City	NE	Nance	741.758	741.900	0.142	NE125	Hord very fine sandy loam, imperfectly drained, 0 to 1 percent slopes	0.001
Steele City	NE	Merrick	741.900	742.547	0.647	NE121	Lamo silt loam, wet, 0 to 1 percent slopes	0.647
Steele City	NE	Merrick	742.547	742.631	0.085	NE121	Wann loam, 0 to 1 percent slopes	0.001
Steele City	NE	Merrick	744.358	744.541	0.183	NE121	Valentine fine sand, 9 to 20 percent slopes	0.002
Steele City	NE	Merrick	744.877	745.118	0.241	NE121	Valentine fine sand, 9 to 20 percent slopes	0.002
Steele City	NE	Merrick	745.232	745.314	0.081	NE121	Thurman loamy fine sand, 3 to 6 percent slopes	0.001
Steele City	NE	Merrick	745.491	745.770	0.278	NE121	Libory loamy fine sand, 0 to 3 percent slopes	0.003
Steele City	NE	Merrick	745.803	745.889	0.087	NE121	Libory loamy fine sand, 0 to 3 percent slopes	0.001
Steele City	NE	Merrick	745.988	746.153	0.166	NE121	Novina sandy loam, 0 to 2 percent slopes	0.002
Steele City	NE	Merrick	746.153	746.229	0.076	NE121	Platte-Gothenburg complex, channeled, 0 to 3 percent slopes	0.034
Steele City	NE	Merrick	746.229	746.289	0.060	NE121	Wann loam, 0 to 1 percent slopes	0.001
Steele City	NE	Merrick	746.289	746.324	0.035	NE121	Leshara silt loam, 0 to 2 percent slopes	0.000
Steele City	NE	Merrick	746.689	746.733	0.044	NE121	Lex clay loam, 0 to 1 percent slopes	0.000
Steele City	NE	Merrick	748.661	748.907	0.246	NE121	Wann loam, 0 to 1 percent slopes	0.002
Steele City	NE	Merrick	748.907	749.033	0.126	NE121	Gibbon loam, 0 to 2 percent slopes	0.006
Steele City	NE	Merrick	749.033	749.064	0.030	NE121	Lamo-Saltine complex, 0 to 1 percent slopes	0.000
Steele City	NE	Merrick	749.064	749.174	0.110	NE121	Gayville-Caruso complex, 0 to 1 percent slopes	0.001
Steele City	NE	Merrick	749.174	749.176	0.002	NE121	Caruso-Gayville complex, 0 to 1 percent slopes	0.000
Steele City	NE	Merrick	749.380	749.550	0.170	NE121	Gibbon loam, 0 to 2 percent slopes	0.009
Steele City	NE	Merrick	749.550	749.647	0.096	NE121	Caruso-Gayville complex, 0 to 1 percent slopes	0.001
Steele City	NE	Merrick	749.647	749.659	0.013	NE121	Gibbon loam, 0 to 2 percent slopes	0.001
Steele City	NE	Merrick	749.659	749.771	0.111	NE121	Novina sandy loam, 0 to 2 percent slopes	0.001
Steele City	NE	Merrick	749.771	749.771	0.001	NE121	Gibbon loam, 0 to 2 percent slopes	0.000
Steele City	NE	Merrick	749.800	749.915	0.115	NE121	Novina sandy loam, 0 to 2 percent slopes	0.001
Steele City	NE	Merrick	749.915	749.971	0.055	NE121	Caruso-Gayville complex, 0 to 1 percent slopes	0.001
Steele City	NE	Merrick	749.971	750.267	0.297	NE121	Gibbon loam, 0 to 2 percent slopes	0.015
Steele City	NE	Merrick	750.267	750.490	0.223	NE121	Lamo clay loam, sandy substratum, 0 to 1 percent slopes	0.002
Steele City	NE	Merrick	750.490	750.610	0.119	NE121	Platte loam, wet, 0 to 1 percent slopes	0.119
Steele City	NE	Merrick	750.610	750.879	0.269	NE121	Alda loam, 0 to 1 percent slopes	0.003
Steele City	NE	Merrick	750.879	750.934	0.055	NE121	Lex clay loam, 0 to 1 percent slopes	0.001
Steele City	NE	Merrick	751.054	751.162	0.109	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.005
Steele City	NE	Merrick	751.162	751.196	0.034	NE121	Platte loam, wet, 0 to 1 percent slopes	0.034
Steele City	NE	Merrick	751.196	751.246	0.050	NE121	Fonner sandy loam, 0 to 2 percent slopes	0.001
Steele City	NE	Merrick	751.246	751.428	0.181	NE121	Platte loam, wet, 0 to 1 percent slopes	0.181
Steele City	NE	Merrick	751.428	751.614	0.186	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.009
Steele City	NE	Merrick	751.705	751.763	0.059	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.003
Steele City	NE	Merrick	751.796	751.937	0.141	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.007
Steele City	NE	Merrick	751.977	752.861	0.884	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.044
Steele City	NE	Merrick	752.861	753.247	0.386	NE121	Lawet variant fine sandy loam, 0 to 1 percent slopes	0.386
Steele City	NE	Merrick	753.247	753.311	0.064	NE121	Leshara silt loam, 0 to 2 percent slopes	0.001
Steele City	NE	Merrick	753.311	753.347	0.037	NE121	Alda sandy loam, 0 to 2 percent slopes	0.000
Steele City	NE	Merrick	753.347	753.608	0.261	NE121	Fonner sandy loam, 0 to 2 percent slopes	0.003
Steele City	NE	Merrick	753.702	753.839	0.137	NE121	Leshara silt loam, 0 to 2 percent slopes	0.001
Steele City	NE	Merrick	753.862	753.951	0.090	NE121	Gibbon loam, 0 to 2 percent slopes	0.004
Steele City	NE	Merrick	753.951	754.415	0.464	NE121	Lamo clay loam, sandy substratum, 0 to 1 percent slopes	0.005
Steele City	NE	Merrick	754.635	754.778	0.143	NE121	Cozad loam, wet substratum, 0 to 1 percent slopes	0.001
Steele City	NE	Merrick	754.778	754.840	0.062	NE121	Platte-Gothenburg complex, channeled, 0 to 3 percent slopes	0.028
Steele City	NE	Merrick	754.840	755.186	0.346	NE121	Cozad loam, wet substratum, 0 to 1 percent slopes	0.003
Steele City	NE	Merrick	755.195	755.270	0.075	NE121	Alda sandy loam, 0 to 2 percent slopes	0.001
Steele City	NE	Merrick	755.270	755.310	0.040	NE121	Gothenburg soils, 0 to 3 percent slopes	0.040
Steele City	NE	Merrick	755.423	755.474	0.051	NE121	Gothenburg soils, 0 to 3 percent slopes	0.051
Steele City	NE	Merrick	755.494	755.564	0.070	NE121	Gothenburg soils, 0 to 3 percent slopes	0.070
Steele City	NE	Merrick	755.577	755.699	0.122	NE121	Gothenburg soils, 0 to 3 percent slopes	0.122
Steele City	NE	Merrick	755.699	755.741	0.042	NE121	Platte loam, 0 to 2 percent slopes	0.002
Steele City	NE	Merrick	755.741	755.780	0.040	NE121	Alda sandy loam, 0 to 2 percent slopes	0.000
Steele City	NE	Merrick	755.836	756.038	0.202	NE121	Alda sandy loam, 0 to 2 percent slopes	0.002
Steele City	NE	Merrick	756.038	756.113	0.075	NE121	Alda loam, 0 to 1 percent slopes	0.001
Steele City	NE	Merrick	756.113	756.157	0.045	NE121	Alda sandy loam, 0 to 2 percent slopes	0.000
Steele City	NE	Merrick	756.157	756.267	0.109	NE121	Barney loam, 0 to 2 percent slopes	0.109
Steele City	NE	Merrick	756.267	756.345	0.078	NE121	Novina sandy loam, 0 to 2 percent slopes	0.001
Steele City	NE	Merrick	756.345	756.349	0.004	NE121	Wann sandy loam, 0 to 2 percent slopes	0.000

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	NE	Merrick	756.349	756.457	0.108	NE121	Lex loam, 0 to 1 percent slopes	0.001
Steele City	NE	Merrick	756.457	756.680	0.224	NE121	Gothenburg soils, 0 to 3 percent slopes	0.224
Steele City	NE	Merrick	756.856	756.967	0.112	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.006
Steele City	NE	Merrick	756.967	757.073	0.106	NE121	Platte loam, 0 to 2 percent slopes	0.005
Steele City	NE	Merrick	757.073	757.127	0.053	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.003
Steele City	NE	Merrick	757.127	757.183	0.056	NE121	Gothenburg soils, 0 to 3 percent slopes	0.056
Steele City	NE	Merrick	757.183	757.335	0.152	NE121	Barney loam, 0 to 2 percent slopes	0.152
Steele City	NE	Merrick	757.335	757.366	0.031	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.002
Steele City	NE	Hamilton	757.399	757.479	0.081	NE081	Platte loam, 0 to 1 percent slopes	0.001
Steele City	NE	Hamilton	758.503	758.585	0.083	NE081	Holder silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	Hamilton	758.593	758.632	0.040	NE081	Holder silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	Hamilton	758.733	758.784	0.051	NE081	Holder silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	Hamilton	758.845	758.893	0.047	NE081	Holder silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	Hamilton	758.931	759.464	0.533	NE081	Holder silt loam, 0 to 1 percent slopes	0.011
Steele City	NE	Hamilton	759.464	759.480	0.016	NE081	Holder silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	Hamilton	759.480	760.587	1.107	NE081	Holder silt loam, 0 to 1 percent slopes	0.022
Steele City	NE	Hamilton	760.587	760.920	0.333	NE081	Butler silt loam, 0 to 1 percent slopes	0.007
Steele City	NE	Hamilton	760.920	760.986	0.066	NE081	Holder silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Hamilton	760.986	762.199	1.213	NE081	Holder silt loam, 0 to 1 percent slopes	0.024
Steele City	NE	Hamilton	762.199	762.469	0.270	NE081	Hastings silt loam, 0 to 1 percent slopes	0.005
Steele City	NE	Hamilton	762.469	763.408	0.939	NE081	Holder silt loam, 0 to 1 percent slopes	0.019
Steele City	NE	Hamilton	763.408	763.502	0.094	NE081	Holder silt loam, 1 to 3 percent slopes	0.002
Steele City	NE	Hamilton	764.018	764.103	0.084	NE081	Holder silt loam, 1 to 3 percent slopes	0.002
Steele City	NE	York	764.393	764.419	0.025	NE185	Silty alluvial land	0.000
Steele City	NE	York	764.621	764.673	0.053	NE185	Silty alluvial land	0.001
Steele City	NE	York	764.912	766.138	1.226	NE185	Holder silt loam, 0 to 1 percent slopes	0.025
Steele City	NE	York	766.395	766.628	0.233	NE185	Holder silt loam, 0 to 1 percent slopes	0.005
Steele City	NE	York	766.977	767.155	0.179	NE185	Holder silt loam, 0 to 1 percent slopes	0.004
Steele City	NE	York	767.359	767.393	0.034	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.034
Steele City	NE	York	767.393	767.474	0.081	NE185	Holder silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	York	767.577	767.679	0.102	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.102
Steele City	NE	York	768.196	768.535	0.339	NE185	Butler silt loam, 0 to 1 percent slopes	0.017
Steele City	NE	York	768.535	768.900	0.365	NE185	Crete silt loam, 0 to 1 percent slopes	0.007
Steele City	NE	York	768.900	768.975	0.076	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.076
Steele City	NE	York	768.975	769.118	0.143	NE185	Crete silt loam, 0 to 1 percent slopes	0.003
Steele City	NE	York	769.216	769.285	0.069	NE185	Crete silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	York	769.300	769.396	0.096	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.096
Steele City	NE	York	769.710	770.286	0.576	NE185	Hastings silt loam, 0 to 1 percent slopes	0.012
Steele City	NE	York	770.475	770.650	0.175	NE185	Hastings silt loam, 0 to 1 percent slopes	0.004
Steele City	NE	York	770.650	770.752	0.101	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.005
Steele City	NE	York	770.752	770.852	0.100	NE185	Hastings silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	York	770.852	770.970	0.118	NE185	Hastings silt loam, 1 to 3 percent slopes	0.002
Steele City	NE	York	770.970	772.442	1.472	NE185	Hastings silt loam, 0 to 1 percent slopes	0.029
Steele City	NE	York	772.442	772.481	0.039	NE185	Butler silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	York	772.481	773.526	1.045	NE185	Hastings silt loam, 0 to 1 percent slopes	0.021
Steele City	NE	York	773.526	773.553	0.027	NE185	Hastings silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	York	774.032	774.181	0.149	NE185	Silty alluvial land	0.001
Steele City	NE	York	774.491	774.546	0.055	NE185	Hastings silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	York	774.583	774.630	0.046	NE185	Hastings silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	York	774.656	774.912	0.256	NE185	Hastings silt loam, 0 to 1 percent slopes	0.005
Steele City	NE	York	775.033	775.139	0.106	NE185	Hastings silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	York	775.139	775.213	0.075	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.075
Steele City	NE	York	775.213	775.330	0.117	NE185	Hastings silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	York	775.330	775.399	0.069	NE185	Hastings silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	York	775.399	777.031	1.632	NE185	Hastings silt loam, 0 to 1 percent slopes	0.033
Steele City	NE	York	777.117	777.164	0.047	NE185	Silty alluvial land	0.000
Steele City	NE	York	777.206	777.433	0.227	NE185	Hastings silt loam, 0 to 1 percent slopes	0.005
Steele City	NE	York	777.433	777.569	0.136	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.007
Steele City	NE	York	777.569	778.425	0.857	NE185	Hastings silt loam, 0 to 1 percent slopes	0.017
Steele City	NE	York	778.497	778.682	0.185	NE185	Hastings silt loam, 0 to 1 percent slopes	0.004
Steele City	NE	York	778.980	779.281	0.301	NE185	Crete silt loam, 0 to 1 percent slopes	0.006
Steele City	NE	York	779.310	779.393	0.083	NE185	Silty alluvial land	0.001
Steele City	NE	York	779.905	780.922	1.017	NE185	Hastings silt loam, 0 to 1 percent slopes	0.020
Steele City	NE	York	781.051	781.182	0.131	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.131
Steele City	NE	York	781.182	781.254	0.073	NE185	Scott silt loam, 0 to 1 percent slopes	0.073
Steele City	NE	York	781.254	781.285	0.031	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.031
Steele City	NE	York	781.351	781.479	0.128	NE185	Hastings silt loam, 0 to 1 percent slopes	0.003
Steele City	NE	York	781.479	781.508	0.029	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.029
Steele City	NE	York	781.532	781.628	0.096	NE185	Hastings silt loam, 1 to 3 percent slopes	0.002
Steele City	NE	York	781.628	781.656	0.028	NE185	Hastings silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	York	781.656	781.702	0.046	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.002
Steele City	NE	York	781.702	781.718	0.015	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000
Steele City	NE	York	781.718	781.807	0.089	NE185	Hastings silt loam, 1 to 3 percent slopes	0.002
Steele City	NE	York	781.807	781.877	0.070	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.070
Steele City	NE	York	781.877	781.936	0.059	NE185	Hastings silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	York	781.936	781.959	0.023	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.001
Steele City	NE	York	781.959	782.021	0.062	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.062
Steele City	NE	York	782.021	782.052	0.031	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.002
Steele City	NE	York	782.052	782.123	0.071	NE185	Crete silt loam, 0 to 1 percent slopes	0.001

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	NE	York	782.123	782.209	0.086	NE185	Hastings silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	York	782.385	782.424	0.040	NE185	Hastings silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	York	782.424	782.819	0.394	NE185	Hastings silt loam, 0 to 1 percent slopes	0.008
Steele City	NE	York	782.819	782.925	0.107	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.005
Steele City	NE	York	782.925	783.689	0.764	NE185	Hastings silt loam, 0 to 1 percent slopes	0.015
Steele City	NE	York	783.778	783.819	0.041	NE185	Hastings silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	York	783.895	784.545	0.650	NE185	Hastings silt loam, 0 to 1 percent slopes	0.013
Steele City	NE	York	784.545	784.622	0.077	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.004
Steele City	NE	York	784.622	785.196	0.574	NE185	Hastings silt loam, 0 to 1 percent slopes	0.011
Steele City	NE	York	785.492	785.548	0.056	NE185	Hastings silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	York	785.548	785.631	0.083	NE185	Hastings silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	York	785.631	785.691	0.060	NE185	Hastings silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	York	785.691	785.987	0.296	NE185	Hastings silt loam, 0 to 1 percent slopes	0.006
Steele City	NE	York	786.645	786.801	0.156	NE185	Hastings silt loam, 0 to 1 percent slopes	0.003
Steele City	NE	York	786.853	787.107	0.253	NE185	Hastings silt loam, 0 to 1 percent slopes	0.005
Steele City	NE	York	787.475	787.660	0.185	NE185	Hastings silt loam, 0 to 1 percent slopes	0.004
Steele City	NE	York	787.766	787.883	0.117	NE185	Hastings silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	York	788.659	788.677	0.018	NE185	Silty alluvial land	0.000
Steele City	NE	York	788.692	788.764	0.072	NE185	Silty alluvial land	0.001
Steele City	NE	York	789.173	789.342	0.169	NE185	Crete silt loam, 0 to 1 percent slopes	0.003
Steele City	NE	York	789.342	789.421	0.079	NE185	Butler silt loam, 0 to 1 percent slopes	0.004
Steele City	NE	York	789.421	789.521	0.099	NE185	Crete silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	York	789.521	789.570	0.049	NE185	Butler silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	York	789.570	789.627	0.057	NE185	Hastings silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	York	789.627	789.661	0.035	NE185	Hastings silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	York	789.661	789.760	0.098	NE185	Hastings silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	York	789.760	789.878	0.118	NE185	Butler silt loam, 0 to 1 percent slopes	0.006
Steele City	NE	York	789.878	789.886	0.009	NE185	Hastings silt loam, 0 to 1 percent slopes	0.000
Steele City	NE	York	790.130	790.288	0.158	NE185	Hastings silt loam, 0 to 1 percent slopes	0.003
Steele City	NE	York	790.619	790.640	0.022	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	York	790.675	790.851	0.177	NE185	Hastings silt loam, 1 to 3 percent slopes	0.004
Steele City	NE	York	790.912	790.976	0.064	NE185	Hastings silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	York	791.013	791.060	0.047	NE185	Hastings silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	York	791.160	791.187	0.026	NE185	Hastings silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	York	791.227	791.242	0.016	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	York	791.301	791.344	0.043	NE185	Hastings silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	York	791.400	791.445	0.045	NE185	Hastings silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	York	791.574	791.717	0.142	NE185	Hastings silt loam, 1 to 3 percent slopes	0.003
Steele City	NE	York	791.717	791.839	0.122	NE185	Butler silt loam, 0 to 1 percent slopes	0.006
Steele City	NE	York	791.993	792.165	0.172	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.009
Steele City	NE	York	792.184	792.398	0.214	NE185	Hastings silt loam, 1 to 3 percent slopes	0.004
Steele City	NE	York	792.735	792.755	0.021	NE185	Hastings silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	York	792.755	792.815	0.060	NE185	Butler silt loam, 0 to 1 percent slopes	0.003
Steele City	NE	York	792.815	792.852	0.037	NE185	Hastings silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	York	793.293	793.363	0.071	NE185	Hastings silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	York	793.363	793.511	0.148	NE185	Butler silt loam, 0 to 1 percent slopes	0.007
Steele City	NE	York	793.542	793.604	0.061	NE185	Hastings silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Fillmore	793.604	793.614	0.010	NE059	Hastings silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	Fillmore	793.614	793.679	0.066	NE059	Fillmore silt loam, 0 to 1 percent slopes	0.066
Steele City	NE	Fillmore	794.112	794.217	0.105	NE059	Hobbs silt loam, 0 to 2 percent slopes	0.005
Steele City	NE	Fillmore	794.278	794.286	0.008	NE059	Hastings silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	Fillmore	794.490	794.528	0.038	NE059	Hastings silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Fillmore	794.528	794.671	0.143	NE059	Crete silt loam, 0 to 1 percent slopes	0.007
Steele City	NE	Fillmore	794.671	794.971	0.300	NE059	Butler silt loam, 0 to 1 percent slopes	0.015
Steele City	NE	Fillmore	794.971	795.040	0.069	NE059	Crete silt loam, 0 to 1 percent slopes	0.003
Steele City	NE	Fillmore	795.095	795.410	0.315	NE059	Hastings silt loam, 1 to 3 percent slopes	0.006
Steele City	NE	Fillmore	795.410	795.458	0.048	NE059	Crete silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	Fillmore	795.458	795.520	0.063	NE059	Butler silt loam, 0 to 1 percent slopes	0.003
Steele City	NE	Fillmore	795.520	795.798	0.277	NE059	Crete silt loam, 0 to 1 percent slopes	0.014
Steele City	NE	Fillmore	795.798	795.936	0.138	NE059	Butler silt loam, 0 to 1 percent slopes	0.007
Steele City	NE	Fillmore	795.936	795.978	0.043	NE059	Crete silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	Fillmore	795.978	796.051	0.073	NE059	Butler silt loam, 0 to 1 percent slopes	0.004
Steele City	NE	Fillmore	796.051	796.398	0.347	NE059	Crete silt loam, 0 to 1 percent slopes	0.017
Steele City	NE	Fillmore	796.398	796.457	0.059	NE059	Hastings silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Fillmore	796.457	796.530	0.074	NE059	Crete silt loam, 0 to 1 percent slopes	0.004
Steele City	NE	Fillmore	796.579	796.733	0.154	NE059	Hastings silt loam, 1 to 3 percent slopes	0.003
Steele City	NE	Fillmore	796.733	796.737	0.004	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.004
Steele City	NE	Fillmore	796.737	796.822	0.085	NE059	Hastings silt loam, 1 to 3 percent slopes	0.002
Steele City	NE	Fillmore	796.822	796.883	0.061	NE059	Crete silt loam, 0 to 1 percent slopes	0.003
Steele City	NE	Fillmore	796.883	797.073	0.190	NE059	Butler silt loam, 0 to 1 percent slopes	0.009
Steele City	NE	Fillmore	797.073	797.148	0.075	NE059	Fillmore silt loam, 0 to 1 percent slopes	0.075
Steele City	NE	Fillmore	797.148	797.221	0.073	NE059	Butler silt loam, 0 to 1 percent slopes	0.004
Steele City	NE	Fillmore	797.221	797.442	0.222	NE059	Crete silt loam, 0 to 1 percent slopes	0.011
Steele City	NE	Fillmore	797.442	797.525	0.083	NE059	Fillmore silt loam, 0 to 1 percent slopes	0.083
Steele City	NE	Fillmore	797.525	797.560	0.036	NE059	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Fillmore	797.560	797.914	0.353	NE059	Crete silt loam, 0 to 1 percent slopes	0.018
Steele City	NE	Fillmore	797.914	798.196	0.282	NE059	Butler silt loam, 0 to 1 percent slopes	0.014
Steele City	NE	Fillmore	798.196	798.361	0.165	NE059	Crete silt loam, 0 to 1 percent slopes	0.008
Steele City	NE	Fillmore	798.361	798.570	0.209	NE059	Butler silt loam, 0 to 1 percent slopes	0.010

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	NE	Fillmore	798.570	798.706	0.135	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	0.088
Steele City	NE	Fillmore	798.706	798.776	0.070	NE059	Fillmore silt loam, 0 to 1 percent slopes	0.070
Steele City	NE	Fillmore	798.776	798.859	0.083	NE059	Crete silt loam, 0 to 1 percent slopes	0.004
Steele City	NE	Fillmore	798.859	798.942	0.083	NE059	Fillmore silt loam, 0 to 1 percent slopes	0.083
Steele City	NE	Fillmore	798.942	799.040	0.097	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	0.063
Steele City	NE	Fillmore	799.040	799.081	0.042	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.042
Steele City	NE	Fillmore	799.081	799.165	0.084	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	0.055
Steele City	NE	Fillmore	799.165	799.258	0.093	NE059	Crete silt loam, 0 to 1 percent slopes	0.005
Steele City	NE	Fillmore	799.258	799.325	0.066	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.066
Steele City	NE	Fillmore	799.325	799.467	0.142	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	0.092
Steele City	NE	Fillmore	799.467	799.600	0.133	NE059	Crete silt loam, 0 to 1 percent slopes	0.007
Steele City	NE	Fillmore	799.600	800.371	0.771	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	0.501
Steele City	NE	Fillmore	800.371	800.579	0.208	NE059	Scott silty clay loam, drained, 0 to 1 percent slopes	0.208
Steele City	NE	Fillmore	800.579	800.691	0.112	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	0.073
Steele City	NE	Fillmore	800.691	800.736	0.045	NE059	Crete silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	Fillmore	800.736	800.775	0.039	NE059	Scott silty clay loam, drained, 0 to 1 percent slopes	0.039
Steele City	NE	Fillmore	800.775	800.884	0.109	NE059	Butler silt loam, 0 to 1 percent slopes	0.005
Steele City	NE	Fillmore	800.884	800.951	0.067	NE059	Scott silty clay loam, drained, 0 to 1 percent slopes	0.067
Steele City	NE	Fillmore	800.951	800.992	0.041	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.041
Steele City	NE	Fillmore	800.992	801.080	0.088	NE059	Crete silt loam, 1 to 3 percent slopes	0.002
Steele City	NE	Fillmore	801.080	801.428	0.348	NE059	Butler silt loam, 0 to 1 percent slopes	0.017
Steele City	NE	Fillmore	801.428	801.517	0.089	NE059	Crete silty clay loam, 1 to 3 percent slopes	0.002
Steele City	NE	Fillmore	801.517	801.613	0.096	NE059	Crete silt loam, 0 to 1 percent slopes	0.005
Steele City	NE	Fillmore	801.613	801.725	0.112	NE059	Crete silty clay loam, 1 to 3 percent slopes	0.002
Steele City	NE	Fillmore	801.725	801.899	0.174	NE059	Crete silt loam, 0 to 1 percent slopes	0.009
Steele City	NE	Fillmore	801.899	801.950	0.052	NE059	Crete silty clay loam, 1 to 3 percent slopes	0.001
Steele City	NE	Fillmore	801.950	802.023	0.073	NE059	Crete silt loam, 0 to 1 percent slopes	0.004
Steele City	NE	Fillmore	802.023	802.089	0.066	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.066
Steele City	NE	Fillmore	802.089	802.238	0.149	NE059	Crete silt loam, 0 to 1 percent slopes	0.007
Steele City	NE	Fillmore	802.238	802.284	0.046	NE059	Crete silty clay loam, 1 to 3 percent slopes	0.001
Steele City	NE	Fillmore	802.284	802.353	0.069	NE059	Crete silt loam, 0 to 1 percent slopes	0.003
Steele City	NE	Fillmore	802.353	802.460	0.106	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.106
Steele City	NE	Fillmore	802.460	802.571	0.111	NE059	Crete silt loam, 0 to 1 percent slopes	0.006
Steele City	NE	Fillmore	802.571	802.632	0.061	NE059	Fillmore silt loam, 0 to 1 percent slopes	0.061
Steele City	NE	Fillmore	802.632	802.665	0.033	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.033
Steele City	NE	Fillmore	802.665	802.714	0.049	NE059	Crete silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	Fillmore	802.714	802.856	0.142	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.142
Steele City	NE	Fillmore	802.856	803.110	0.255	NE059	Crete silt loam, 0 to 1 percent slopes	0.013
Steele City	NE	Fillmore	803.110	803.154	0.044	NE059	Butler silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	Fillmore	803.154	803.235	0.081	NE059	Crete silt loam, 0 to 1 percent slopes	0.004
Steele City	NE	Fillmore	803.331	803.368	0.037	NE059	Crete silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	Fillmore	803.468	803.495	0.027	NE059	Crete silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	Fillmore	803.555	803.641	0.086	NE059	Crete silt loam, 0 to 1 percent slopes	0.004
Steele City	NE	Fillmore	803.734	803.744	0.010	NE059	Crete silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	Fillmore	803.788	804.027	0.239	NE059	Crete silt loam, 0 to 1 percent slopes	0.012
Steele City	NE	Fillmore	804.148	804.340	0.191	NE059	Crete silt loam, 0 to 1 percent slopes	0.010
Steele City	NE	Fillmore	804.340	804.430	0.091	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.091
Steele City	NE	Fillmore	804.430	804.597	0.167	NE059	Crete silt loam, 0 to 1 percent slopes	0.008
Steele City	NE	Fillmore	804.597	804.632	0.035	NE059	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Fillmore	804.632	804.733	0.101	NE059	Crete silt loam, 0 to 1 percent slopes	0.005
Steele City	NE	Fillmore	804.733	804.840	0.108	NE059	Crete silt loam, 1 to 3 percent slopes	0.002
Steele City	NE	Fillmore	804.840	804.963	0.122	NE059	Crete silt loam, 0 to 1 percent slopes	0.006
Steele City	NE	Fillmore	805.116	805.273	0.157	NE059	Crete silt loam, 1 to 3 percent slopes	0.003
Steele City	NE	Fillmore	805.353	805.440	0.087	NE059	Crete silt loam, 1 to 3 percent slopes	0.002
Steele City	NE	Fillmore	805.440	805.656	0.216	NE059	Crete silt loam, 0 to 1 percent slopes	0.011
Steele City	NE	Fillmore	805.670	806.138	0.467	NE059	Crete silt loam, 0 to 1 percent slopes	0.023
Steele City	NE	Fillmore	806.225	806.292	0.067	NE059	Geary-Hobbs silt loams, 0 to 30 percent slopes	0.001
Steele City	NE	Fillmore	806.292	806.385	0.094	NE059	Geary silty clay loam, 6 to 11 percent slopes, eroded	0.001
Steele City	NE	Fillmore	806.385	806.506	0.121	NE059	Hobbs silt loam, channeled	0.006
Steele City	NE	Fillmore	806.506	806.508	0.002	NE059	Geary silty clay loam, 6 to 11 percent slopes, eroded	0.000
Steele City	NE	Fillmore	806.545	806.578	0.033	NE059	Geary silty clay loam, 6 to 11 percent slopes, eroded	0.000
Steele City	NE	Fillmore	806.637	806.789	0.152	NE059	Geary silty clay loam, 6 to 11 percent slopes, eroded	0.002
Steele City	NE	Fillmore	806.856	807.067	0.210	NE059	Muir silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	Fillmore	807.067	807.205	0.138	NE059	Butler silt loam, 0 to 1 percent slopes	0.007
Steele City	NE	Fillmore	807.205	807.380	0.175	NE059	Muir silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	Fillmore	807.419	807.459	0.040	NE059	Hobbs silt loam, 0 to 2 percent slopes	0.002
Steele City	NE	Fillmore	807.459	807.572	0.113	NE059	Hobbs silt loam, channeled	0.006
Steele City	NE	Fillmore	807.572	807.695	0.123	NE059	Muir silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	Fillmore	807.695	807.776	0.082	NE059	Geary silty clay loam, 6 to 11 percent slopes, eroded	0.001
Steele City	NE	Fillmore	807.776	807.893	0.117	NE059	Geary-Hobbs silt loams, 0 to 30 percent slopes	0.002
Steele City	NE	Fillmore	807.967	808.178	0.211	NE059	Crete silt loam, 1 to 3 percent slopes	0.004
Steele City	NE	Saline	809.055	809.079	0.025	NE151	Hobbs silt loam, channeled	0.000
Steele City	NE	Saline	809.113	809.192	0.079	NE151	Hobbs silt loam, channeled	0.001
Steele City	NE	Saline	809.987	810.102	0.115	NE151	Crete silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	Saline	810.381	810.523	0.142	NE151	Crete silt loam, 0 to 1 percent slopes	0.003
Steele City	NE	Saline	810.579	810.707	0.127	NE151	Crete silt loam, 0 to 1 percent slopes	0.003
Steele City	NE	Saline	810.907	810.971	0.064	NE151	Crete silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	Saline	811.138	811.386	0.248	NE151	Crete silt loam, 0 to 1 percent slopes	0.005
Steele City	NE	Saline	811.386	811.568	0.182	NE151	Butler silt loam, 0 to 1 percent slopes	0.009

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	NE	Saline	811.568	812.075	0.507	NE151	Crete silt loam, 0 to 1 percent slopes	0.010
Steele City	NE	Saline	812.426	812.488	0.062	NE151	Crete silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	Saline	812.850	812.982	0.132	NE151	Crete silt loam, 0 to 1 percent slopes	0.003
Steele City	NE	Saline	813.018	813.051	0.034	NE151	Crete silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	Saline	813.093	813.164	0.071	NE151	Crete silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	Saline	813.295	813.382	0.087	NE151	Crete silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	Saline	813.511	813.552	0.041	NE151	Crete silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	Saline	814.069	814.180	0.112	NE151	Hobbs silt loam, channeled	0.001
Steele City	NE	Saline	815.786	815.854	0.068	NE151	Crete silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	Saline	816.168	816.230	0.062	NE151	Crete silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	Saline	817.112	817.148	0.036	NE151	Crete silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	Saline	817.177	817.247	0.070	NE151	Crete silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	Saline	817.247	817.284	0.037	NE151	Butler silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	Saline	817.284	817.454	0.170	NE151	Crete silt loam, 0 to 1 percent slopes	0.003
Steele City	NE	Saline	818.944	819.080	0.136	NE151	Crete silt loam, 0 to 1 percent slopes	0.003
Steele City	NE	Saline	819.080	819.115	0.035	NE151	Butler silt loam, 0 to 1 percent slopes	0.002
Steele City	NE	Saline	819.115	819.170	0.055	NE151	Crete silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	Saline	821.612	821.665	0.052	NE151	Crete silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	Saline	821.739	821.809	0.070	NE151	Crete silt loam, 0 to 1 percent slopes	0.001
Steele City	NE	Saline	822.404	822.457	0.053	NE151	Hobbs silt loam, channeled	0.001
Steele City	NE	Saline	822.505	822.595	0.090	NE151	Hobbs silt loam, channeled	0.001
Steele City	NE	Jefferson	825.214	825.231	0.017	NE095	Nodaway silt loam, channeled, occasionally flooded	0.000
Steele City	NE	Jefferson	825.231	825.265	0.034	NE095	Nodaway silt loam, occasionally flooded	0.001
Steele City	NE	Jefferson	826.486	826.592	0.105	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	826.672	826.890	0.219	NE095	Crete silt loam, 1 to 3 percent slopes	0.002
Steele City	NE	Jefferson	827.584	827.673	0.089	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	827.869	828.004	0.134	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	828.363	828.460	0.097	NE095	Nodaway silt loam, channeled, occasionally flooded	0.002
Steele City	NE	Jefferson	829.311	829.349	0.038	NE095	Crete silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	Jefferson	829.432	829.503	0.072	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	829.593	829.657	0.064	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	829.725	829.770	0.045	NE095	Crete silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	Jefferson	830.109	830.249	0.140	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	830.320	830.504	0.183	NE095	Crete silt loam, 1 to 3 percent slopes	0.002
Steele City	NE	Jefferson	830.563	830.599	0.036	NE095	Crete silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	Jefferson	830.687	830.738	0.051	NE095	Butler silt loam	0.001
Steele City	NE	Jefferson	830.976	831.122	0.146	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	831.160	831.226	0.066	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	831.317	831.412	0.095	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	831.467	831.598	0.132	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	831.798	831.872	0.074	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	832.104	832.157	0.053	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	832.167	832.196	0.028	NE095	Crete silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	Jefferson	832.324	832.338	0.014	NE095	Crete silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	Jefferson	832.526	832.572	0.046	NE095	Crete silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	Jefferson	832.850	832.896	0.046	NE095	Nodaway silt loam, occasionally flooded	0.001
Steele City	NE	Jefferson	832.962	833.006	0.044	NE095	Crete silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	Jefferson	833.393	833.502	0.109	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	833.561	833.706	0.144	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	834.226	834.241	0.015	NE095	Nodaway silt loam, occasionally flooded	0.000
Steele City	NE	Jefferson	834.241	834.260	0.019	NE095	Nodaway silt loam, channeled, occasionally flooded	0.000
Steele City	NE	Jefferson	834.260	834.275	0.015	NE095	Nodaway silt loam, occasionally flooded	0.000
Steele City	NE	Jefferson	835.245	835.460	0.215	NE095	Nodaway silt loam, occasionally flooded	0.004
Steele City	NE	Jefferson	835.592	835.878	0.285	NE095	Nodaway silt loam, occasionally flooded	0.006
Steele City	NE	Jefferson	835.878	835.940	0.062	NE095	Nodaway silt loam, channeled, occasionally flooded	0.001
Steele City	NE	Jefferson	836.087	836.130	0.043	NE095	Crete silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	Jefferson	836.376	836.399	0.023	NE095	Nodaway silt loam, occasionally flooded	0.000
Steele City	NE	Jefferson	836.399	836.421	0.023	NE095	Nodaway silt loam, channeled, occasionally flooded	0.000
Steele City	NE	Jefferson	836.421	836.482	0.060	NE095	Nodaway silt loam, occasionally flooded	0.001
Steele City	NE	Jefferson	836.482	836.501	0.019	NE095	Nodaway silt loam, channeled, occasionally flooded	0.000
Steele City	NE	Jefferson	836.501	836.517	0.016	NE095	Nodaway silt loam, occasionally flooded	0.000
Steele City	NE	Jefferson	837.086	837.211	0.125	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	837.448	837.502	0.053	NE095	Butler silt loam	0.001
Steele City	NE	Jefferson	837.502	837.552	0.050	NE095	Crete silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	Jefferson	837.848	837.966	0.118	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	838.241	838.334	0.093	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	838.736	838.803	0.067	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	839.317	839.351	0.034	NE095	Crete silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	Jefferson	839.429	839.511	0.082	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	840.065	840.131	0.066	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	840.347	840.383	0.036	NE095	Crete silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	Jefferson	840.474	840.503	0.029	NE095	Crete silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	Jefferson	840.602	840.624	0.022	NE095	Crete silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	Jefferson	840.642	840.691	0.049	NE095	Crete silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	Jefferson	840.726	840.771	0.044	NE095	Crete silt loam, 1 to 3 percent slopes	0.000
Steele City	NE	Jefferson	840.813	840.916	0.104	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	840.996	841.063	0.067	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	841.176	841.389	0.213	NE095	Crete silt loam, 1 to 3 percent slopes	0.002
Steele City	NE	Jefferson	841.480	841.670	0.190	NE095	Crete silt loam, 1 to 3 percent slopes	0.002

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Steele City	NE	Jefferson	841.956	842.017	0.061	NE095	Nodaway silt loam, occasionally flooded	0.001
Steele City	NE	Jefferson	842.240	842.325	0.085	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	842.663	842.778	0.115	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	843.103	843.351	0.249	NE095	Crete silt loam, 1 to 3 percent slopes	0.002
Steele City	NE	Jefferson	843.520	843.763	0.243	NE095	Nodaway silt loam, occasionally flooded	0.005
Steele City	NE	Jefferson	843.922	844.011	0.090	NE095	Nodaway silt loam, occasionally flooded	0.002
Steele City	NE	Jefferson	844.266	844.335	0.069	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	844.940	844.991	0.051	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	845.208	845.476	0.268	NE095	Crete silt loam, 1 to 3 percent slopes	0.003
Steele City	NE	Jefferson	846.091	846.266	0.175	NE095	Nodaway silt loam, occasionally flooded	0.004
Steele City	NE	Jefferson	846.266	846.328	0.062	NE095	Nodaway silt loam, channeled, occasionally flooded	0.001
Steele City	NE	Jefferson	846.328	846.447	0.119	NE095	Nodaway silt loam, occasionally flooded	0.002
Steele City	NE	Jefferson	846.608	846.675	0.067	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	846.899	846.995	0.096	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	847.192	847.272	0.080	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
Steele City	NE	Jefferson	848.006	848.131	0.125	NE095	Crete silt loam, 1 to 3 percent slopes	0.001
GULF COAST SEGMENT								
Gulf Coast	OK	Creek	21.451	21.462	0.0108	OK037	Ustibuck clay, 0 to 1 percent slopes, frequently flooded	0.010
Gulf Coast	OK	Creek	21.579	21.616	0.0372	OK037	Ustibuck clay, 0 to 1 percent slopes, frequently flooded	0.035
Gulf Coast	OK	Creek	21.776	21.809	0.0324	OK037	Ustibuck clay, 0 to 1 percent slopes, frequently flooded	0.031
Gulf Coast	OK	Creek	22.043	22.265	0.2224	OK037	Ustibuck clay, 0 to 1 percent slopes, frequently flooded	0.209
Gulf Coast	OK	Creek	22.294	23.150	0.8564	OK037	Ustibuck clay, 0 to 1 percent slopes, frequently flooded	0.805
Gulf Coast	OK	Seminole	38.719	38.771	0.0517	OK133	Gracemore loamy fine sand, 0 to 1 percent slopes, frequently flo	0.003
Gulf Coast	OK	Seminole	39.951	40.004	0.0531	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.005
Gulf Coast	OK	Seminole	40.004	40.062	0.0584	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently floode	0.003
Gulf Coast	OK	Seminole	40.062	40.122	0.0598	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.006
Gulf Coast	OK	Seminole	41.105	41.170	0.0648	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.006
Gulf Coast	OK	Seminole	41.256	41.453	0.1977	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.020
Gulf Coast	OK	Seminole	41.453	41.515	0.0613	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.006
Gulf Coast	OK	Seminole	41.836	41.864	0.0278	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.003
Gulf Coast	OK	Seminole	41.920	42.133	0.2132	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.021
Gulf Coast	OK	Seminole	42.133	42.340	0.2072	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.021
Gulf Coast	OK	Seminole	42.404	42.457	0.0533	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.005
Gulf Coast	OK	Seminole	42.457	42.481	0.0240	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.002
Gulf Coast	OK	Seminole	43.221	43.263	0.0421	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently floode	0.002
Gulf Coast	OK	Seminole	43.263	43.360	0.0970	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.010
Gulf Coast	OK	Seminole	43.440	43.515	0.0750	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.008
Gulf Coast	OK	Seminole	43.685	43.703	0.0184	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently floode	0.001
Gulf Coast	OK	Seminole	44.743	44.888	0.1450	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently floode	0.007
Gulf Coast	OK	Seminole	46.253	46.278	0.0259	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.003
Gulf Coast	OK	Seminole	46.289	46.447	0.1585	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.016
Gulf Coast	OK	Seminole	46.608	46.657	0.0493	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.005
Gulf Coast	OK	Seminole	46.800	46.900	0.1000	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.010
Gulf Coast	OK	Seminole	46.939	47.017	0.0783	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.008
Gulf Coast	OK	Seminole	47.414	47.444	0.0303	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.003
Gulf Coast	OK	Seminole	47.465	47.523	0.0584	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.006
Gulf Coast	OK	Seminole	48.031	48.128	0.0971	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently floode	0.005
Gulf Coast	OK	Seminole	48.128	48.281	0.1534	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.015
Gulf Coast	OK	Seminole	49.186	49.267	0.0813	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.008
Gulf Coast	OK	Seminole	49.318	49.379	0.0602	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently floode	0.003
Gulf Coast	OK	Seminole	49.379	49.405	0.0263	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.003
Gulf Coast	OK	Seminole	49.405	49.434	0.0291	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently floode	0.001
Gulf Coast	OK	Seminole	49.434	49.487	0.0534	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.005
Gulf Coast	OK	Seminole	50.045	50.083	0.0373	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.004
Gulf Coast	OK	Seminole	50.138	50.195	0.0569	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.006
Gulf Coast	OK	Seminole	50.214	50.273	0.0584	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently floode	0.003
Gulf Coast	OK	Seminole	50.966	51.314	0.3478	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.035
Gulf Coast	OK	Seminole	52.573	53.049	0.4751	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.048
Gulf Coast	OK	Seminole	53.489	53.528	0.0382	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.004
Gulf Coast	OK	Seminole	53.528	53.620	0.0921	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.009
Gulf Coast	OK	Seminole	53.652	53.692	0.0401	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.004
Gulf Coast	OK	Seminole	53.763	53.864	0.1011	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.010
Gulf Coast	OK	Seminole	54.825	54.873	0.0489	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.005
Gulf Coast	OK	Seminole	54.906	54.907	0.0008	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.000
Gulf Coast	OK	Seminole	56.379	56.437	0.0581	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.006
Gulf Coast	OK	Seminole	58.189	58.309	0.1199	OK133	Tullahassee fine sandy loam, 0 to 1 percent slopes, frequently flo	0.120
Gulf Coast	OK	Seminole	58.309	58.654	0.3453	OK133	Ustibuck clay, 0 to 1 percent slopes, occasionally flooded	0.345
Gulf Coast	OK	Seminole	58.710	58.751	0.0415	OK133	Ustibuck clay, 0 to 1 percent slopes, occasionally flooded	0.041
Gulf Coast	OK	Seminole	58.899	59.054	0.1557	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.016
Gulf Coast	OK	Hughes	67.467	67.521	0.0542	OK063	Osage clay, 0 to 1 percent slopes, occasionally flooded	0.054
Gulf Coast	OK	Hughes	70.109	70.177	0.0676	OK063	Wynona clay loam, 0 to 1 percent slopes, occasionally flooded	0.068
Gulf Coast	OK	Hughes	70.177	70.500	0.3236	OK063	Osage clay, 0 to 1 percent slopes, occasionally flooded	0.324
Gulf Coast	OK	Hughes	86.547	86.784	0.2366	OK063	Osage clay, 0 to 1 percent slopes, occasionally flooded	0.237
Gulf Coast	OK	Coal	87.145	87.204	0.0582	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.022
Gulf Coast	OK	Coal	87.383	87.441	0.0585	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.056
Gulf Coast	OK	Coal	87.811	87.848	0.0369	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.014
Gulf Coast	OK	Coal	91.043	91.298	0.2549	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.242
Gulf Coast	OK	Coal	92.176	92.234	0.0575	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.022
Gulf Coast	OK	Coal	92.526	92.560	0.0333	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.013

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Gulf Coast	OK	Coal	92.730	92.757	0.0271	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.010
Gulf Coast	OK	Coal	92.788	92.855	0.0669	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.025
Gulf Coast	OK	Coal	94.290	94.386	0.0967	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.037
Gulf Coast	OK	Coal	94.518	94.583	0.0648	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.025
Gulf Coast	OK	Coal	94.909	95.070	0.1611	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.153
Gulf Coast	OK	Coal	95.637	95.674	0.0371	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.014
Gulf Coast	OK	Coal	97.199	97.273	0.0740	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.028
Gulf Coast	OK	Coal	97.598	97.637	0.0385	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.015
Gulf Coast	OK	Coal	99.361	99.436	0.0751	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.071
Gulf Coast	OK	Coal	99.436	99.514	0.0782	OK029	Lightning-Healdton complex, 0 to 1 percent slopes, occasionally	0.055
Gulf Coast	OK	Coal	100.589	100.630	0.0405	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.015
Gulf Coast	OK	Coal	101.853	101.906	0.0529	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.020
Gulf Coast	OK	Coal	102.122	102.157	0.0352	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.013
Gulf Coast	OK	Coal	102.559	102.678	0.1197	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.045
Gulf Coast	OK	Coal	103.038	103.127	0.0887	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.084
Gulf Coast	OK	Coal	103.594	103.635	0.0407	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.015
Gulf Coast	OK	Coal	107.629	107.668	0.0392	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.015
Gulf Coast	OK	Coal	107.741	107.776	0.0350	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.013
Gulf Coast	OK	Coal	108.889	108.934	0.0456	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.017
Gulf Coast	OK	Coal	108.934	109.018	0.0840	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.080
Gulf Coast	OK	Coal	109.129	109.231	0.1025	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.097
Gulf Coast	OK	Coal	109.418	109.460	0.0421	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.016
Gulf Coast	OK	Coal	109.718	109.772	0.0537	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.020
Gulf Coast	OK	Coal	110.916	110.962	0.0465	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.018
Gulf Coast	OK	Coal	111.393	111.436	0.0428	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.016
Gulf Coast	OK	Atoka	117.920	117.979	0.0592	OK005	Wrightsville silt loam, 0 to 1 percent slopes	0.050
Gulf Coast	OK	Atoka	119.209	119.414	0.2042	OK005	Stigler very fine sandy loam, 0 to 1 percent slopes	0.020
Gulf Coast	OK	Atoka	121.041	121.099	0.0586	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.053
Gulf Coast	OK	Atoka	122.189	122.335	0.1457	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.131
Gulf Coast	OK	Atoka	122.335	122.397	0.0621	OK005	Guyton silt loam, 0 to 1 percent slopes, occasionally flooded	0.060
Gulf Coast	OK	Atoka	122.397	122.807	0.4103	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.369
Gulf Coast	OK	Atoka	122.807	122.960	0.1524	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally floodec	0.009
Gulf Coast	OK	Atoka	123.786	124.028	0.2419	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.218
Gulf Coast	OK	Atoka	124.224	124.283	0.0594	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.053
Gulf Coast	OK	Atoka	124.469	124.485	0.0157	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.014
Gulf Coast	OK	Atoka	125.433	125.571	0.1380	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.124
Gulf Coast	OK	Atoka	125.984	126.118	0.1340	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally floodec	0.008
Gulf Coast	OK	Atoka	126.118	126.296	0.1784	OK005	Guyton silt loam, 0 to 1 percent slopes, occasionally flooded	0.171
Gulf Coast	OK	Atoka	126.296	126.629	0.3328	OK005	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	0.017
Gulf Coast	OK	Atoka	126.629	126.676	0.0472	OK005	Gowton clay loam, 0 to 1 percent slopes, occasionally flooded	0.005
Gulf Coast	OK	Atoka	126.676	126.692	0.0162	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently floo	0.010
Gulf Coast	OK	Atoka	126.706	126.726	0.0206	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently floo	0.012
Gulf Coast	OK	Atoka	126.726	126.818	0.0919	OK005	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	0.005
Gulf Coast	OK	Atoka	126.818	126.941	0.1225	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently floo	0.073
Gulf Coast	OK	Atoka	126.941	126.969	0.0284	OK005	Gowton clay loam, 0 to 1 percent slopes, occasionally flooded	0.003
Gulf Coast	OK	Atoka	126.969	127.078	0.1091	OK005	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	0.005
Gulf Coast	OK	Atoka	127.078	127.116	0.0384	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently floo	0.023
Gulf Coast	OK	Atoka	127.116	127.152	0.0355	OK005	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	0.002
Gulf Coast	OK	Atoka	127.152	127.332	0.1798	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally floodec	0.011
Gulf Coast	OK	Atoka	127.499	127.643	0.1441	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally floodec	0.009
Gulf Coast	OK	Atoka	127.643	127.801	0.1583	OK005	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	0.008
Gulf Coast	OK	Atoka	127.801	127.924	0.1226	OK005	Guyton silt loam, 0 to 1 percent slopes, occasionally flooded	0.118
Gulf Coast	OK	Atoka	127.924	128.084	0.1596	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally floodec	0.010
Gulf Coast	OK	Atoka	130.851	130.898	0.0474	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally floodec	0.003
Gulf Coast	OK	Atoka	130.898	130.941	0.0425	OK005	Gowton clay loam, 0 to 1 percent slopes, occasionally flooded	0.004
Gulf Coast	OK	Atoka	130.941	130.991	0.0499	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently floo	0.030
Gulf Coast	OK	Atoka	130.991	131.156	0.1650	OK005	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.013
Gulf Coast	OK	Atoka	131.156	131.207	0.0511	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently floo	0.031
Gulf Coast	OK	Atoka	132.376	132.483	0.1069	OK005	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.009
Gulf Coast	OK	Atoka	132.483	132.529	0.0461	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently floo	0.028
Gulf Coast	OK	Atoka	132.529	132.539	0.0093	OK005	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.001
Gulf Coast	OK	Bryan	132.779	132.889	0.1105	OK013	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.006
Gulf Coast	OK	Bryan	134.287	134.346	0.0586	OK013	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.003
Gulf Coast	OK	Bryan	135.035	135.047	0.0120	OK013	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.001
Gulf Coast	OK	Bryan	139.697	139.697	0.0002	OK013	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.000
Gulf Coast	OK	Bryan	140.850	140.932	0.0826	OK013	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.083
Gulf Coast	OK	Bryan	145.177	145.416	0.2396	OK013	Verdigris silty clay loam, 0 to 1 percent slopes, occasionally flooc	0.012
Gulf Coast	OK	Bryan	145.416	145.476	0.0595	OK013	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.003
Gulf Coast	OK	Bryan	145.833	145.865	0.0318	OK013	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.002
Gulf Coast	OK	Bryan	146.133	146.252	0.1189	OK013	Freestone fine sandy loam, 1 to 5 percent slopes	0.012
Gulf Coast	TX	Fannin	158.589	160.103	1.5144	TX147	Muldrow clay loam, rarely flooded	1.287
Gulf Coast	TX	Delta/Lamar	161.626	161.639	0.0129	TX614	Desha clay, 0 to 1 percent slopes, frequently flooded	0.012
Gulf Coast	TX	Delta/Lamar	162.340	162.454	0.1133	TX614	Derly-Raino complex, 0 to 1 percent slopes	0.074
Gulf Coast	TX	Delta/Lamar	162.918	162.961	0.0426	TX614	Derly-Raino complex, 0 to 1 percent slopes	0.028
Gulf Coast	TX	Delta/Lamar	165.658	165.855	0.1971	TX614	Guyton silt loam, 0 to 1 percent slopes, frequently flooded	0.187
Gulf Coast	TX	Delta/Lamar	166.017	166.318	0.3010	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.030
Gulf Coast	TX	Delta/Lamar	166.558	166.802	0.2441	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.024
Gulf Coast	TX	Delta/Lamar	166.802	166.917	0.1151	TX614	Annona loam, 1 to 4 percent slopes	0.012
Gulf Coast	TX	Delta/Lamar	166.917	167.249	0.3318	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.033

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Gulf Coast	TX	Delta/Lamar	167.249	167.306	0.0574	TX614	Annona loam, 1 to 4 percent slopes	0.006
Gulf Coast	TX	Delta/Lamar	167.306	167.713	0.4065	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.041
Gulf Coast	TX	Delta/Lamar	167.713	167.724	0.0111	TX614	Derly-Raino complex, 0 to 1 percent slopes	0.007
Gulf Coast	TX	Delta/Lamar	167.724	168.317	0.5934	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.059
Gulf Coast	TX	Delta/Lamar	168.317	168.376	0.0583	TX614	Annona loam, 1 to 4 percent slopes	0.006
Gulf Coast	TX	Delta/Lamar	168.585	168.681	0.0962	TX614	Derly-Raino complex, 0 to 1 percent slopes	0.063
Gulf Coast	TX	Delta/Lamar	168.799	169.136	0.3379	TX614	Lassiter silt loam, 0 to 1 percent slopes, frequently flooded	0.034
Gulf Coast	TX	Delta/Lamar	169.303	169.427	0.1241	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.012
Gulf Coast	TX	Delta/Lamar	169.769	170.054	0.2851	TX614	Annona loam, 1 to 4 percent slopes	0.029
Gulf Coast	TX	Delta/Lamar	170.054	170.124	0.0700	TX614	Derly silt loam, 0 to 1 percent slopes	0.063
Gulf Coast	TX	Delta/Lamar	170.124	170.287	0.1631	TX614	Annona loam, 1 to 4 percent slopes	0.016
Gulf Coast	TX	Delta/Lamar	170.287	170.633	0.3455	TX614	Roxton clay, 0 to 1 percent slopes, frequently flooded	0.328
Gulf Coast	TX	Delta/Lamar	172.219	172.356	0.1362	TX614	Lassiter silt loam, 0 to 1 percent slopes, frequently flooded	0.014
Gulf Coast	TX	Delta/Lamar	173.718	173.862	0.1447	TX614	Lassiter silt loam, 0 to 1 percent slopes, frequently flooded	0.014
Gulf Coast	TX	Delta/Lamar	175.953	176.047	0.0940	TX614	Lassiter silt loam, 0 to 1 percent slopes, frequently flooded	0.009
Gulf Coast	TX	Delta/Lamar	189.605	189.922	0.3176	TX614	Trinity clay, 0 to 1 percent slopes, frequently flooded	0.302
Gulf Coast	TX	Delta/Lamar	193.052	193.225	0.1730	TX614	Deport clay, 1 to 3 percent slopes	0.017
Gulf Coast	TX	Delta/Lamar	193.483	193.603	0.1201	TX614	Deport clay, 1 to 3 percent slopes	0.012
Gulf Coast	TX	Delta/Lamar	193.603	193.832	0.2284	TX614	Kaufman clay, 0 to 1 percent slopes, frequently flooded	0.217
Gulf Coast	TX	Delta/Lamar	193.832	194.062	0.2304	TX614	Deport clay, 1 to 3 percent slopes	0.023
Gulf Coast	TX	Delta/Lamar	194.134	194.391	0.2574	TX614	Deport clay, 1 to 3 percent slopes	0.026
Gulf Coast	TX	Delta/Lamar	194.391	194.478	0.0866	TX614	Kaufman clay, 0 to 1 percent slopes, frequently flooded	0.082
Gulf Coast	TX	Delta/Lamar	195.300	195.344	0.0440	TX614	Trinity clay, 0 to 1 percent slopes, frequently flooded	0.042
Gulf Coast	TX	Delta/Lamar	197.338	197.534	0.1961	TX614	Deport clay, 1 to 3 percent slopes	0.020
Gulf Coast	TX	Delta/Lamar	198.345	198.449	0.1045	TX614	Annona loam, 1 to 4 percent slopes	0.010
Gulf Coast	TX	Delta/Lamar	198.581	198.603	0.0219	TX614	Annona loam, 1 to 4 percent slopes	0.002
Gulf Coast	TX	Delta/Lamar	198.609	198.765	0.1557	TX614	Annona loam, 1 to 4 percent slopes	0.016
Gulf Coast	TX	Delta/Lamar	200.292	200.647	0.3544	TX614	Annona loam, 1 to 4 percent slopes	0.035
Gulf Coast	TX	Delta/Lamar	200.704	200.838	0.1347	TX614	Annona loam, 1 to 4 percent slopes	0.013
Gulf Coast	TX	Delta/Lamar	200.942	201.236	0.2940	TX614	Kaufman clay, 0 to 1 percent slopes, frequently flooded	0.279
Gulf Coast	TX	Hopkins	201.236	201.855	0.6194	TX610	Kaufman clay	0.588
Gulf Coast	TX	Hopkins	201.947	202.581	0.6341	TX610	Kaufman clay	0.602
Gulf Coast	TX	Hopkins	202.581	202.873	0.2924	TX610	Nahatche soils	0.278
Gulf Coast	TX	Hopkins	206.117	206.287	0.1697	TX610	Nahatche soils	0.161
Gulf Coast	TX	Hopkins	209.854	209.992	0.1380	TX610	Nahatche soils	0.131
Gulf Coast	TX	Hopkins	211.300	211.451	0.1518	TX610	Woodtell loam, 5 to 12 percent slopes	0.015
Gulf Coast	TX	Hopkins	211.451	211.844	0.3925	TX610	Nahatche soils	0.373
Gulf Coast	TX	Hopkins	211.844	211.928	0.0838	TX610	Woodtell loam, 5 to 12 percent slopes	0.008
Gulf Coast	TX	Hopkins	212.018	212.110	0.0925	TX610	Woodtell loam, 5 to 12 percent slopes	0.009
Gulf Coast	TX	Hopkins	212.110	213.500	1.3899	TX610	Nahatche soils	1.320
Gulf Coast	TX	Hopkins	213.500	213.628	0.1282	TX610	Woodtell loam, 5 to 12 percent slopes	0.013
Gulf Coast	TX	Hopkins	213.795	213.852	0.0574	TX610	Nahatche soils	0.055
Gulf Coast	TX	Hopkins	216.005	216.260	0.2550	TX610	Nahatche soils	0.242
Gulf Coast	TX	Hopkins	216.371	217.350	0.9794	TX610	Nahatche soils	0.930
Gulf Coast	TX	Hopkins	217.655	217.872	0.2171	TX610	Nahatche soils	0.206
Gulf Coast	TX	Hopkins	217.872	217.950	0.0774	TX610	Woodtell loam, 5 to 12 percent slopes	0.008
Gulf Coast	TX	Hopkins	218.139	218.194	0.0556	TX610	Woodtell loam, 5 to 12 percent slopes	0.006
Gulf Coast	TX	Hopkins	218.276	218.352	0.0760	TX610	Woodtell loam, 5 to 12 percent slopes	0.008
Gulf Coast	TX	Hopkins	220.315	220.462	0.1471	TX610	Nahatche soils	0.140
Gulf Coast	TX	Hopkins	220.462	220.516	0.0538	TX610	Woodtell loam, 5 to 12 percent slopes	0.005
Gulf Coast	TX	Hopkins	222.008	222.055	0.0465	TX610	Woodtell loam, 5 to 12 percent slopes	0.005
Gulf Coast	TX	Franklin	222.504	222.563	0.0582	TX603	Iuka fine sandy loam, frequently flooded	0.006
Gulf Coast	TX	Franklin	225.384	225.464	0.0794	TX603	Nahatche loam silty clay loam, frequently flooded	0.064
Gulf Coast	TX	Franklin	226.035	226.338	0.3030	TX603	Iuka fine sandy loam, frequently flooded	0.030
Gulf Coast	TX	Franklin	227.141	227.656	0.5148	TX603	Nahatche loam silty clay loam, frequently flooded	0.412
Gulf Coast	TX	Franklin	228.193	228.292	0.0989	TX603	Iuka fine sandy loam, frequently flooded	0.010
Gulf Coast	TX	Franklin	229.731	229.974	0.2429	TX603	Nahatche loam silty clay loam, frequently flooded	0.194
Gulf Coast	TX	Franklin	230.902	231.086	0.1838	TX603	Iuka fine sandy loam, frequently flooded	0.018
Gulf Coast	TX	Franklin	231.132	231.267	0.1346	TX603	Iuka fine sandy loam, frequently flooded	0.013
Gulf Coast	TX	Franklin	231.953	232.153	0.2006	TX603	Nahatche loam silty clay loam, frequently flooded	0.160
Gulf Coast	TX	Franklin	232.287	232.363	0.0760	TX603	Nahatche loam silty clay loam, frequently flooded	0.061
Gulf Coast	TX	Franklin	232.420	232.469	0.0497	TX603	Nahatche loam silty clay loam, frequently flooded	0.040
Gulf Coast	TX	Wood	233.414	233.641	0.2271	TX499	Manco loam, frequently flooded	0.159
Gulf Coast	TX	Wood	234.860	234.953	0.0928	TX499	Manco loam, frequently flooded	0.065
Gulf Coast	TX	Wood	239.013	239.064	0.0511	TX499	Manco loam, frequently flooded	0.036
Gulf Coast	TX	Wood	240.800	241.224	0.4238	TX499	Bibb fine sandy loam, frequently flooded	0.339
Gulf Coast	TX	Wood	241.538	241.616	0.0774	TX499	Bibb fine sandy loam, frequently flooded	0.062
Gulf Coast	TX	Wood	242.010	242.069	0.0582	TX499	Bibb fine sandy loam, frequently flooded	0.047
Gulf Coast	TX	Wood	243.204	243.273	0.0696	TX499	Bibb fine sandy loam, frequently flooded	0.056
Gulf Coast	TX	Wood	244.184	244.244	0.0593	TX499	Bibb fine sandy loam, frequently flooded	0.047
Gulf Coast	TX	Wood	247.906	247.946	0.0402	TX499	Bibb fine sandy loam, frequently flooded	0.032
Gulf Coast	TX	Wood	249.272	249.371	0.0995	TX499	Manco loam, frequently flooded	0.070
Gulf Coast	TX	Wood	249.587	249.629	0.0416	TX499	Manco loam, frequently flooded	0.029
Gulf Coast	TX	Upshur	255.980	256.223	0.2433	TX608	Mantachie loam, frequently flooded	0.207
Gulf Coast	TX	Wood	256.358	256.516	0.1578	TX499	Manco loam, frequently flooded	0.110
Gulf Coast	TX	Wood	256.656	256.701	0.0446	TX499	Manco loam, frequently flooded	0.031
Gulf Coast	TX	Upshur	258.443	258.525	0.0821	TX608	Wrightsville-Raino complex, 0 to 1 percent slopes	0.049
Gulf Coast	TX	Upshur	260.106	260.207	0.1007	TX608	Iuka fine sandy loam, frequently flooded	0.010
Gulf Coast	TX	Upshur	260.404	260.461	0.0571	TX608	Estes clay, frequently flooded	0.049

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Gulf Coast	TX	Upshur	261.492	261.552	0.0603	TX608	Mantachie loam, frequently flooded	0.051
Gulf Coast	TX	Upshur	261.552	261.618	0.0659	TX608	Latch-Mollville complex, 0 to 1 percent slopes	0.023
Gulf Coast	TX	Upshur	261.618	261.655	0.0369	TX608	Mantachie loam, frequently flooded	0.031
Gulf Coast	TX	Upshur	261.655	261.738	0.0831	TX608	Latch-Mollville complex, 0 to 1 percent slopes	0.029
Gulf Coast	TX	Upshur	261.738	262.743	1.0051	TX608	Mantachie loam, frequently flooded	0.854
Gulf Coast	TX	Smith	262.743	262.779	0.0356	TX423	Mantachie loam, frequently flooded	0.025
Gulf Coast	TX	Smith	267.864	267.888	0.0243	TX423	Mantachie loam, frequently flooded	0.017
Gulf Coast	TX	Smith	269.815	270.075	0.2597	TX423	Mantachie loam, frequently flooded	0.182
Gulf Coast	TX	Smith	272.829	272.965	0.1360	TX423	Derly-Besner complex, 0 to 1 percent slopes	0.068
Gulf Coast	TX	Smith	272.965	273.032	0.0672	TX423	Mantachie loam, frequently flooded	0.047
Gulf Coast	TX	Smith	273.032	273.251	0.2184	TX423	Derly-Besner complex, 0 to 1 percent slopes	0.109
Gulf Coast	TX	Smith	273.251	273.412	0.1615	TX423	Leagueville loamy fine sand, 0 to 5 percent slopes	0.129
Gulf Coast	TX	Smith	274.684	274.765	0.0810	TX423	Mantachie loam, frequently flooded	0.057
Gulf Coast	TX	Smith	276.080	276.238	0.1578	TX423	Mantachie loam, frequently flooded	0.110
Gulf Coast	TX	Smith	276.478	276.530	0.0522	TX423	Keechi loam, frequently flooded	0.039
Gulf Coast	TX	Smith	276.822	276.894	0.0728	TX423	Mantachie loam, frequently flooded	0.051
Gulf Coast	TX	Smith	277.476	277.660	0.1844	TX423	Mantachie loam, frequently flooded	0.129
Gulf Coast	TX	Smith	277.868	278.036	0.1686	TX423	Mantachie loam, frequently flooded	0.118
Gulf Coast	TX	Smith	279.817	279.871	0.0536	TX423	Mantachie loam, frequently flooded	0.038
Gulf Coast	TX	Smith	281.054	281.143	0.0889	TX423	Mantachie loam, frequently flooded	0.062
Gulf Coast	TX	Smith	282.540	282.740	0.2004	TX423	Mantachie loam, frequently flooded	0.140
Gulf Coast	TX	Smith	285.813	285.876	0.0635	TX423	Leagueville loamy fine sand, 0 to 5 percent slopes	0.051
Gulf Coast	TX	Smith	289.212	289.326	0.1147	TX423	Mantachie loam, frequently flooded	0.080
Gulf Coast	TX	Smith	290.392	290.435	0.0423	TX423	Mantachie loam, frequently flooded	0.030
Gulf Coast	TX	Smith	291.152	291.267	0.1148	TX423	Mantachie loam, frequently flooded	0.080
Gulf Coast	TX	Smith	291.501	291.705	0.2039	TX423	Mantachie loam, frequently flooded	0.143
Gulf Coast	TX	Smith	292.316	292.416	0.1009	TX423	Mantachie loam, frequently flooded	0.071
Gulf Coast	TX	Cherokee	293.418	293.446	0.0279	TX073	Mantachie fine sandy loam	0.025
Gulf Coast	TX	Cherokee	293.504	293.564	0.0594	TX073	Mantachie fine sandy loam	0.053
Gulf Coast	TX	Cherokee	294.326	294.383	0.0576	TX073	Mantachie fine sandy loam	0.052
Gulf Coast	TX	Cherokee	296.576	296.686	0.1097	TX073	Mantachie fine sandy loam	0.099
Gulf Coast	TX	Cherokee	297.709	297.782	0.0727	TX073	Angelina	0.071
Gulf Coast	TX	Cherokee	297.939	297.964	0.0248	TX073	Angelina	0.024
Gulf Coast	TX	Cherokee	298.065	298.094	0.0290	TX073	Angelina	0.028
Gulf Coast	TX	Cherokee	298.180	298.248	0.0677	TX073	Angelina	0.066
Gulf Coast	TX	Cherokee	299.905	300.058	0.1529	TX073	Mantachie fine sandy loam	0.138
Gulf Coast	TX	Rusk	300.058	300.790	0.7320	TX401	Keechi fine sandy loam, frequently flooded	0.695
Gulf Coast	TX	Rusk	310.450	311.709	1.2585	TX401	Mattex clay loam, frequently flooded	1.070
Gulf Coast	TX	Rusk	311.709	311.776	0.0673	TX401	Keechi fine sandy loam, frequently flooded	0.064
Gulf Coast	TX	Rusk	311.776	312.733	0.9568	TX401	Mattex clay loam, frequently flooded	0.813
Gulf Coast	TX	Rusk	312.788	312.800	0.0115	TX401	Mattex clay loam, frequently flooded	0.010
Gulf Coast	TX	Rusk	312.836	312.878	0.0423	TX401	Mattex clay loam, frequently flooded	0.036
Gulf Coast	TX	Nacogdoches	326.293	326.426	0.1332	TX347	Mollville loam	0.126
Gulf Coast	TX	Nacogdoches	326.650	326.937	0.2868	TX347	Mollville loam	0.272
Gulf Coast	TX	Nacogdoches	333.218	333.267	0.0494	TX347	Mantachie soils, frequently flooded	0.042
Gulf Coast	TX	Cherokee	334.159	334.232	0.0733	TX073	Mantachie clay loam	0.070
Gulf Coast	TX	Cherokee	334.395	334.416	0.0203	TX073	Mantachie clay loam	0.019
Gulf Coast	TX	Cherokee	334.437	334.509	0.0718	TX073	Mantachie clay loam	0.068
Gulf Coast	TX	Cherokee	335.226	335.502	0.2755	TX073	Mantachie clay loam	0.262
Gulf Coast	TX	Cherokee	335.717	336.413	0.6963	TX073	Mantachie clay loam	0.661
Gulf Coast	TX	Cherokee	338.063	338.146	0.0827	TX073	Percilla soils	0.079
Gulf Coast	TX	Cherokee	339.803	339.916	0.1131	TX073	Percilla soils	0.107
Gulf Coast	TX	Angelina	346.840	347.328	0.4879	TX005	Ozias silty clay, frequently flooded	0.390
Gulf Coast	TX	Angelina	347.328	348.043	0.7150	TX005	Mollville-Besner complex, gently undulating	0.322
Gulf Coast	TX	Angelina	348.043	348.403	0.3606	TX005	Ozias silty clay, frequently flooded	0.288
Gulf Coast	TX	Angelina	351.190	351.625	0.4352	TX005	Ozias silty clay, frequently flooded	0.348
Gulf Coast	TX	Angelina	351.670	351.686	0.0156	TX005	Ozias silty clay, frequently flooded	0.012
Gulf Coast	TX	Angelina	351.718	351.760	0.0421	TX005	Ozias silty clay, frequently flooded	0.034
Gulf Coast	TX	Angelina	352.356	352.483	0.1266	TX005	Ozias silty clay, frequently flooded	0.101
Gulf Coast	TX	Angelina	359.362	360.318	0.9565	TX005	Ozias silty clay, frequently flooded	0.765
Gulf Coast	TX	Angelina	364.961	365.394	0.4326	TX005	Ozias silty clay, frequently flooded	0.346
Gulf Coast	TX	Angelina	365.648	365.724	0.0766	TX005	Ozias silty clay, frequently flooded	0.061
Gulf Coast	TX	Angelina	366.424	366.500	0.0758	TX005	Mollville-Besner complex, gently undulating	0.034
Gulf Coast	TX	Angelina	366.684	367.314	0.6300	TX005	Ozias silty clay, frequently flooded	0.504
Gulf Coast	TX	Polk	367.314	368.540	1.2263	TX617	Ozias-Pophers complex, frequently flooded	1.042
Gulf Coast	TX	Polk	368.540	368.929	0.3885	TX617	Pophers silty clay loam, frequently flooded	0.330
Gulf Coast	TX	Polk	368.929	369.199	0.2703	TX617	Ozias-Pophers complex, frequently flooded	0.230
Gulf Coast	TX	Polk	369.199	369.468	0.2696	TX617	Pophers silty clay loam, frequently flooded	0.229
Gulf Coast	TX	Polk	372.517	372.634	0.1172	TX617	Kian and Mantachie soils, frequently flooded	0.088
Gulf Coast	TX	Polk	373.006	373.098	0.0928	TX617	Kian and Mantachie soils, frequently flooded	0.070
Gulf Coast	TX	Polk	373.276	373.522	0.2454	TX617	Kian and Mantachie soils, frequently flooded	0.184
Gulf Coast	TX	Polk	373.896	374.311	0.4150	TX617	Kian and Mantachie soils, frequently flooded	0.311
Gulf Coast	TX	Polk	374.812	375.548	0.7355	TX617	Kian and Mantachie soils, frequently flooded	0.552
Gulf Coast	TX	Polk	379.338	379.448	0.1104	TX617	Kian and Mantachie soils, frequently flooded	0.083
Gulf Coast	TX	Polk	379.977	380.175	0.1982	TX617	Kian and Mantachie soils, frequently flooded	0.149
Gulf Coast	TX	Polk	380.300	380.461	0.1603	TX617	Kian and Mantachie soils, frequently flooded	0.120
Gulf Coast	TX	Polk	381.921	382.085	0.1638	TX617	Kian and Mantachie soils, frequently flooded	0.123
Gulf Coast	TX	Polk	387.142	387.311	0.1692	TX617	Pluck and Kian soils, frequently flooded	0.127
Gulf Coast	TX	Polk	389.191	389.383	0.1918	TX617	Pluck and Kian soils, frequently flooded	0.144

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Gulf Coast	TX	Polk	394.601	394.909	0.3079	TX617	Pluck and Kian soils, frequently flooded	0.231
Gulf Coast	TX	Polk	394.995	395.052	0.0565	TX617	Pluck and Kian soils, frequently flooded	0.042
Gulf Coast	TX	Polk	401.423	402.050	0.6276	TX617	Pluck and Kian soils, frequently flooded	0.471
Gulf Coast	TX	Polk	403.139	403.373	0.2345	TX617	Waller silt loam, 0 to 1 percent slopes	0.211
Gulf Coast	TX	Polk	403.534	403.843	0.3090	TX617	Waller silt loam, 0 to 1 percent slopes	0.278
Gulf Coast	TX	Polk	406.428	406.461	0.0328	TX617	Waller silt loam, 0 to 1 percent slopes	0.030
Gulf Coast	TX	Polk	406.689	406.786	0.0965	TX617	Waller silt loam, 0 to 1 percent slopes	0.087
Gulf Coast	TX	Polk	409.765	409.891	0.1259	TX617	Waller silt loam, 0 to 1 percent slopes	0.113
Gulf Coast	TX	Polk	410.981	411.085	0.1046	TX617	Waller silt loam, 0 to 1 percent slopes	0.094
Gulf Coast	TX	Liberty	413.985	414.543	0.5576	TX291	Vamont silty clay, 0 to 1 percent slopes	0.474
Gulf Coast	TX	Liberty	416.175	416.860	0.6853	TX291	Vamont silty clay, 0 to 1 percent slopes	0.583
Gulf Coast	TX	Liberty	417.117	417.569	0.4521	TX291	Sorter-Dallardsville complex	0.249
Gulf Coast	TX	Liberty	417.569	418.824	1.2545	TX291	Guyton-Aldine complex	0.627
Gulf Coast	TX	Liberty	418.824	419.020	0.1957	TX291	Vamont silty clay, 0 to 1 percent slopes	0.166
Gulf Coast	TX	Liberty	419.020	419.143	0.1232	TX291	Aris silt loam	0.105
Gulf Coast	TX	Liberty	419.257	419.323	0.0657	TX291	Aris silt loam	0.056
Gulf Coast	TX	Liberty	419.360	419.505	0.1451	TX291	Aris silt loam	0.123
Gulf Coast	TX	Liberty	419.693	419.863	0.1701	TX291	Aris silt loam	0.145
Gulf Coast	TX	Liberty	420.663	423.649	2.9865	TX291	Aldine-Aris complex	0.747
Gulf Coast	TX	Liberty	423.649	423.710	0.0605	TX291	Kemah-Aris complex	0.024
Gulf Coast	TX	Liberty	423.710	424.727	1.0176	TX291	Aldine-Aris complex	0.254
Gulf Coast	TX	Liberty	424.727	424.855	0.1276	TX291	Waller loam	0.102
Gulf Coast	TX	Liberty	424.855	425.141	0.2860	TX291	Vamont silty clay, 0 to 1 percent slopes	0.243
Gulf Coast	TX	Liberty	425.141	427.654	2.5132	TX291	Aldine-Aris complex	0.628
Gulf Coast	TX	Liberty	427.654	428.467	0.8132	TX291	Verland clay loam	0.773
Gulf Coast	TX	Liberty	428.467	429.043	0.5753	TX291	Beaumont clay	0.518
Gulf Coast	TX	Liberty	429.043	429.212	0.1696	TX291	Guyton silt loam	0.136
Gulf Coast	TX	Liberty	429.228	429.382	0.1543	TX291	Guyton silt loam	0.123
Gulf Coast	TX	Liberty	429.382	429.835	0.4532	TX291	Verland clay loam	0.431
Gulf Coast	TX	Liberty	429.835	430.084	0.2487	TX291	Guyton silt loam	0.199
Gulf Coast	TX	Liberty	430.084	430.272	0.1876	TX291	Verland clay loam	0.178
Gulf Coast	TX	Liberty	430.273	430.816	0.5429	TX291	Estes clay, frequently flooded	0.434
Gulf Coast	TX	Liberty	430.816	431.791	0.9751	TX291	Anahuac-Aris complex	0.341
Gulf Coast	TX	Liberty	431.791	432.402	0.6109	TX291	Aldine-Aris complex	0.153
Gulf Coast	TX	Liberty	432.402	432.471	0.0688	TX291	Aris silt loam	0.059
Gulf Coast	TX	Liberty	432.471	432.648	0.1773	TX291	Aldine-Aris complex	0.044
Gulf Coast	TX	Liberty	432.648	432.759	0.1105	TX291	Aris silt loam	0.094
Gulf Coast	TX	Liberty	432.759	433.139	0.3808	TX291	Kemah-Aris complex	0.152
Gulf Coast	TX	Liberty	433.139	433.222	0.0829	TX291	Aris silt loam	0.070
Gulf Coast	TX	Liberty	433.222	433.930	0.7078	TX291	Kemah-Aris complex	0.283
Gulf Coast	TX	Liberty	433.930	434.167	0.2371	TX291	Guyton-Aldine complex	0.119
Gulf Coast	TX	Liberty	434.167	435.958	1.7908	TX291	Aldine-Aris complex	0.448
Gulf Coast	TX	Liberty	436.266	436.752	0.4863	TX291	Aldine-Aris complex	0.122
Gulf Coast	TX	Liberty	436.752	437.056	0.3035	TX291	Guyton silt loam	0.243
Gulf Coast	TX	Hardin	437.056	437.137	0.0808	TX199	Manco loam, 0 to 1 percent slopes, frequently flooded	0.077
Gulf Coast	TX	Hardin	437.137	437.267	0.1302	TX199	Aris-Spindletop complex, 0 to 1 percent slopes	0.095
Gulf Coast	TX	Hardin	437.267	437.317	0.0499	TX199	Leton silt loam, 0 to 1 percent slopes	0.050
Gulf Coast	TX	Hardin	437.317	437.904	0.5873	TX199	Beaumont clay, 0 to 1 percent slopes	0.529
Gulf Coast	TX	Hardin	437.904	438.234	0.3302	TX199	Manco loam, 0 to 1 percent slopes, frequently flooded	0.314
Gulf Coast	TX	Hardin	438.234	438.299	0.0651	TX199	Evadale-Texla complex, 0 to 1 percent slopes	0.039
Gulf Coast	TX	Hardin	438.299	438.342	0.0429	TX199	Bevil clay, 0 to 1 percent slopes	0.040
Gulf Coast	TX	Hardin	438.342	438.838	0.4959	TX199	Vamont clay, 0 to 1 percent slopes	0.040
Gulf Coast	TX	Hardin	438.838	438.920	0.0817	TX199	Bevil clay, 0 to 1 percent slopes	0.075
Gulf Coast	TX	Hardin	438.920	439.333	0.4134	TX199	Evadale-Texla complex, 0 to 1 percent slopes	0.248
Gulf Coast	TX	Hardin	439.333	439.890	0.5567	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.406
Gulf Coast	TX	Hardin	439.890	439.962	0.0717	TX199	Camptown silt loam, 0 to 1 percent slopes	0.067
Gulf Coast	TX	Hardin	439.962	440.146	0.1841	TX199	Batson very fine sandy loam, 0 to 1 percent slopes	0.015
Gulf Coast	TX	Hardin	440.146	440.850	0.7039	TX199	Camptown-Batson complex, 0 to 1 percent slopes	0.352
Gulf Coast	TX	Hardin	440.850	442.192	1.3423	TX199	Evadale-Texla complex, 0 to 1 percent slopes	0.805
Gulf Coast	TX	Hardin	442.192	442.568	0.3762	TX199	Aris-Spindletop complex, 0 to 1 percent slopes	0.275
Gulf Coast	TX	Hardin	442.568	442.676	0.1083	TX199	Aris-Levac complex, 0 to 1 percent slopes	0.078
Gulf Coast	TX	Hardin	442.676	443.011	0.3346	TX199	Aris-Spindletop complex, 0 to 1 percent slopes	0.244
Gulf Coast	TX	Hardin	443.011	443.323	0.3120	TX199	Labelle-Spindletop complex, 0 to 1 percent slopes	0.031
Gulf Coast	TX	Hardin	443.323	443.403	0.0805	TX199	Bevil clay, 0 to 1 percent slopes	0.074
Gulf Coast	TX	Hardin	443.403	443.496	0.0924	TX199	Aris-Spindletop complex, 0 to 1 percent slopes	0.067
Gulf Coast	TX	Hardin	443.496	444.658	1.1625	TX199	Evadale-Texla complex, 0 to 1 percent slopes	0.697
Gulf Coast	TX	Hardin	444.658	444.845	0.1864	TX199	Manco loam, 0 to 1 percent slopes, frequently flooded	0.177
Gulf Coast	TX	Hardin	444.845	445.206	0.3611	TX199	Vamont clay, 0 to 1 percent slopes	0.029
Gulf Coast	TX	Hardin	445.206	445.388	0.1818	TX199	Evadale-Texla complex, 0 to 1 percent slopes	0.109
Gulf Coast	TX	Hardin	445.388	445.638	0.2500	TX199	Vamont clay, 0 to 1 percent slopes	0.020
Gulf Coast	TX	Hardin	445.638	446.331	0.6935	TX199	Evadale-Texla complex, 0 to 1 percent slopes	0.416
Gulf Coast	TX	Hardin	446.331	446.554	0.2229	TX199	Estes-Angelina complex, 0 to 1 percent slopes, frequently floode	0.214
Gulf Coast	TX	Hardin	446.554	446.836	0.2819	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.206
Gulf Coast	TX	Hardin	446.836	446.890	0.0545	TX199	Spurger very fine sandy loam, 0 to 2 percent slopes	0.003
Gulf Coast	TX	Hardin	446.890	446.970	0.0794	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.058
Gulf Coast	TX	Hardin	446.970	447.250	0.2805	TX199	Spurger very fine sandy loam, 0 to 2 percent slopes	0.014
Gulf Coast	TX	Hardin	447.250	447.293	0.0423	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.031
Gulf Coast	TX	Hardin	447.293	447.338	0.0458	TX199	Spurger very fine sandy loam, 0 to 2 percent slopes	0.002
Gulf Coast	TX	Hardin	447.338	447.375	0.0365	TX199	Estes-Angelina complex, 0 to 1 percent slopes, frequently floode	0.035

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Gulf Coast	TX	Hardin	447.375	447.670	0.2954	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.216
Gulf Coast	TX	Hardin	447.670	447.838	0.1673	TX199	Estes-Angelina complex, 0 to 1 percent slopes, frequently floode	0.161
Gulf Coast	TX	Hardin	447.838	447.976	0.1388	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.101
Gulf Coast	TX	Hardin	447.976	448.048	0.0713	TX199	Estes-Angelina complex, 0 to 1 percent slopes, frequently floode	0.068
Gulf Coast	TX	Hardin	448.048	448.438	0.3900	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.285
Gulf Coast	TX	Hardin	448.438	448.677	0.2390	TX199	Anahuac-Aris complex, 0 to 1 percent slopes	0.076
Gulf Coast	TX	Hardin	448.677	448.757	0.0799	TX199	Estes-Angelina complex, 0 to 1 percent slopes, frequently floode	0.077
Gulf Coast	TX	Liberty	448.757	448.981	0.2242	TX291	Estes clay, frequently flooded	0.179
Gulf Coast	TX	Liberty	448.981	449.353	0.3721	TX291	Aldine-Aris complex	0.093
Gulf Coast	TX	Jefferson	449.353	451.089	1.7359	TX623	Orcadia-Aris complex, 0 to 1 percent slopes	0.521
Gulf Coast	TX	Jefferson	451.241	451.375	0.1341	TX623	Orcadia-Aris complex, 0 to 1 percent slopes	0.040
Gulf Coast	TX	Jefferson	451.375	451.502	0.1268	TX623	Bevil clay, 0 to 1 percent slopes	0.108
Gulf Coast	TX	Jefferson	451.502	451.761	0.2588	TX623	Estes clay, 0 to 1 percent slopes, frequently flooded	0.220
Gulf Coast	TX	Jefferson	451.761	452.113	0.3524	TX623	Bevil clay, 0 to 1 percent slopes	0.300
Gulf Coast	TX	Jefferson	452.113	452.708	0.5948	TX623	Orcadia-Aris complex, 0 to 1 percent slopes	0.178
Gulf Coast	TX	Jefferson	452.708	454.469	1.7615	TX623	Bevil clay, 0 to 1 percent slopes	1.497
Gulf Coast	TX	Jefferson	454.469	455.294	0.8247	TX623	Orcadia-Aris complex, 0 to 1 percent slopes	0.247
Gulf Coast	TX	Jefferson	455.294	455.400	0.1055	TX623	Estes clay, 0 to 1 percent slopes, frequently flooded	0.090
Gulf Coast	TX	Jefferson	455.400	455.704	0.3048	TX623	Orcadia-Aris complex, 0 to 1 percent slopes	0.091
Gulf Coast	TX	Jefferson	456.549	456.908	0.3587	TX623	Bevil clay, 0 to 1 percent slopes	0.305
Gulf Coast	TX	Jefferson	456.908	457.818	0.9100	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.227
Gulf Coast	TX	Jefferson	457.818	457.923	0.1052	TX623	Leton loam, ponded, 0 to 1 percent slopes	0.079
Gulf Coast	TX	Jefferson	457.923	458.305	0.3816	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.095
Gulf Coast	TX	Jefferson	458.340	458.396	0.0559	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.014
Gulf Coast	TX	Jefferson	459.748	459.880	0.1314	TX623	Beaumont clay, 0 to 1 percent slopes	0.112
Gulf Coast	TX	Jefferson	459.910	460.637	0.7274	TX623	Beaumont clay, 0 to 1 percent slopes	0.618
Gulf Coast	TX	Jefferson	462.239	462.524	0.2845	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.071
Gulf Coast	TX	Jefferson	462.524	462.581	0.0569	TX623	Leton loam, ponded, 0 to 1 percent slopes	0.043
Gulf Coast	TX	Jefferson	465.569	466.499	0.9305	TX623	Beaumont clay, 0 to 1 percent slopes	0.791
Gulf Coast	TX	Jefferson	466.787	466.849	0.0623	TX623	Beaumont clay, 0 to 1 percent slopes	0.053
Gulf Coast	TX	Jefferson	466.946	467.123	0.1762	TX623	Beaumont clay, 0 to 1 percent slopes	0.150
Gulf Coast	TX	Jefferson	468.219	468.649	0.4294	TX623	Beaumont clay, 0 to 1 percent slopes	0.365
Gulf Coast	TX	Jefferson	469.076	470.846	1.7704	TX623	Beaumont clay, 0 to 1 percent slopes	1.505
Gulf Coast	TX	Jefferson	470.846	470.949	0.1026	TX623	Estes clay, 0 to 1 percent slopes, frequently flooded	0.087
Gulf Coast	TX	Jefferson	470.983	471.101	0.1180	TX623	Estes clay, 0 to 1 percent slopes, frequently flooded	0.100
Gulf Coast	TX	Jefferson	471.101	471.242	0.1406	TX623	Beaumont clay, 0 to 1 percent slopes	0.120
Gulf Coast	TX	Jefferson	471.376	472.341	0.9650	TX623	Beaumont clay, 0 to 1 percent slopes	0.820
Gulf Coast	TX	Jefferson	474.969	475.507	0.5380	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.135
Gulf Coast	TX	Jefferson	475.507	475.558	0.0511	TX623	Leton loam, ponded, 0 to 1 percent slopes	0.038
Gulf Coast	TX	Jefferson	475.558	475.628	0.0705	TX623	Viterbo silty clay loam, 0 to 1 percent slopes	0.060
Gulf Coast	TX	Jefferson	475.628	475.794	0.1654	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.041
Gulf Coast	TX	Jefferson	475.794	476.292	0.4978	TX623	Viterbo silty clay loam, 0 to 1 percent slopes	0.423
Gulf Coast	TX	Jefferson	477.397	477.583	0.1861	TX623	Beaumont clay, 0 to 1 percent slopes	0.158
Gulf Coast	TX	Jefferson	478.895	479.025	0.1300	TX623	Creole mucky peat, 0 to 1 percent slopes, frequently flooded, tida	0.104
Gulf Coast	TX	Jefferson	479.723	480.152	0.4285	TX623	Creole mucky peat, 0 to 1 percent slopes, frequently flooded, tida	0.343
HOUSTON LATERAL								
Houston Lateral	TX	Liberty	0.000	0.064	0.0637	TX291	Aris silt loam	0.054
Houston Lateral	TX	Liberty	0.064	0.093	0.0296	TX291	Kemah-Aris complex	0.012
Houston Lateral	TX	Liberty	0.093	0.198	0.1043	TX291	Aris silt loam	0.089
Houston Lateral	TX	Liberty	0.198	1.830	1.6329	TX291	Kemah-Aris complex	0.653
Houston Lateral	TX	Liberty	2.774	4.365	1.5910	TX291	Aldine-Aris complex	0.398
Houston Lateral	TX	Liberty	4.558	4.706	0.1478	TX291	Beaumont clay	0.133
Houston Lateral	TX	Liberty	4.706	4.904	0.1985	TX291	Aldine-Aris complex	0.050
Houston Lateral	TX	Liberty	4.904	5.652	0.7476	TX291	Kemah-Aris complex	0.299
Houston Lateral	TX	Liberty	5.652	5.723	0.0712	TX291	Beaumont clay	0.064
Houston Lateral	TX	Liberty	5.723	5.726	0.0030	TX291	Aris silt loam	0.003
Houston Lateral	TX	Liberty	5.726	6.162	0.4354	TX291	Beaumont clay	0.392
Houston Lateral	TX	Liberty	6.162	6.226	0.0648	TX291	Kemah-Aris complex	0.026
Houston Lateral	TX	Liberty	6.226	6.812	0.5857	TX291	Beaumont clay	0.527
Houston Lateral	TX	Liberty	6.812	7.251	0.4388	TX291	Aris silt loam	0.373
Houston Lateral	TX	Liberty	7.251	7.853	0.6015	TX291	Aldine-Aris complex	0.150
Houston Lateral	TX	Liberty	7.853	7.947	0.0943	TX291	Verland clay loam	0.090
Houston Lateral	TX	Liberty	7.947	8.035	0.0878	TX291	Aldine-Aris complex	0.022
Houston Lateral	TX	Liberty	8.035	8.377	0.3423	TX291	Verland clay loam	0.325
Houston Lateral	TX	Liberty	8.377	8.400	0.0233	TX291	Kemah-Aris complex	0.009
Houston Lateral	TX	Liberty	8.400	8.585	0.1853	TX291	Beaumont clay	0.167
Houston Lateral	TX	Liberty	8.585	8.773	0.1880	TX291	Kemah-Aris complex	0.075
Houston Lateral	TX	Liberty	8.773	8.812	0.0381	TX291	Anahuac-Aris complex	0.013
Houston Lateral	TX	Liberty	8.812	8.905	0.0935	TX291	Kemah-Aris complex	0.037
Houston Lateral	TX	Liberty	8.905	9.805	0.8995	TX291	Anahuac-Aris complex	0.315
Houston Lateral	TX	Liberty	9.805	10.501	0.6964	TX291	Bevil silty clay, depressional	0.627
Houston Lateral	TX	Liberty	10.501	10.704	0.2028	TX291	Anahuac-Aris complex	0.071
Houston Lateral	TX	Liberty	10.704	11.167	0.4632	TX291	Aris silt loam	0.394
Houston Lateral	TX	Liberty	11.167	11.270	0.1035	TX291	Anahuac-Aris complex	0.036
Houston Lateral	TX	Liberty	11.270	11.323	0.0523	TX291	Aris silt loam	0.044
Houston Lateral	TX	Liberty	11.323	11.668	0.3453	TX291	Anahuac-Aris complex	0.121
Houston Lateral	TX	Liberty	11.668	11.885	0.2169	TX291	Aris silt loam	0.184
Houston Lateral	TX	Liberty	11.885	12.076	0.1908	TX291	Anahuac-Aris complex	0.067
Houston Lateral	TX	Liberty	12.076	12.289	0.2130	TX291	Aldine-Aris complex	0.053

Table K-3 Hydric Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Hydric (miles)
Houston Lateral	TX	Liberty	12.289	12.963	0.6743	TX291	Anahuac-Aris complex	0.236
Houston Lateral	TX	Liberty	13.208	13.607	0.3993	TX291	Beaumont clay	0.359
Houston Lateral	TX	Liberty	14.209	14.249	0.0402	TX291	Anahuac-Aris complex	0.014
Houston Lateral	TX	Liberty	14.299	15.265	0.9654	TX291	Anahuac-Aris complex	0.338
Houston Lateral	TX	Liberty	15.265	15.672	0.4075	TX291	Kemah-Aris complex	0.163
Houston Lateral	TX	Liberty	17.522	17.798	0.2758	TX291	Fausse clay, frequently flooded	0.248
Houston Lateral	TX	Liberty	18.351	18.916	0.5651	TX291	Spurger-Waller complex, 0 to 2 percent slopes	0.170
Houston Lateral	TX	Liberty	18.937	19.425	0.4883	TX291	Fausse clay, frequently flooded	0.439
Houston Lateral	TX	Liberty	19.425	21.702	2.2765	TX291	Kaman clay, frequently flooded	2.049
Houston Lateral	TX	Liberty	21.702	22.410	0.7083	TX291	Mantachie loam, frequently flooded	0.567
Houston Lateral	TX	Liberty	22.494	22.596	0.1022	TX291	Aldine-Aris complex	0.026
Houston Lateral	TX	Liberty	22.596	22.984	0.3873	TX291	Beaumont clay	0.349
Houston Lateral	TX	Liberty	23.183	23.483	0.2996	TX291	Aldine-Aris complex	0.075
Houston Lateral	TX	Liberty	23.483	23.955	0.4722	TX291	Beaumont clay	0.425
Houston Lateral	TX	Liberty	27.019	28.019	1.0003	TX291	Beaumont clay	0.900
Houston Lateral	TX	Liberty	30.187	31.286	1.0987	TX291	Beaumont clay	0.989
Houston Lateral	TX	Chambers	31.867	32.783	0.9168	TX071	Morey silt loam, levelled	0.092
Houston Lateral	TX	Chambers	32.783	34.183	1.4000	TX071	Lake Charles clay, 0 to 1 percent slopes	0.140
Houston Lateral	TX	Chambers	34.183	35.553	1.3701	TX071	Beaumont clay	1.302
Houston Lateral	TX	Chambers	35.553	35.594	0.0408	TX071	Lake Charles clay, 0 to 1 percent slopes	0.004
Houston Lateral	TX	Harris	38.043	38.223	0.1799	TX201	Addicks loam	0.162
Houston Lateral	TX	Harris	38.316	38.761	0.4453	TX201	Addicks loam	0.401
Houston Lateral	TX	Harris	38.833	40.161	1.3279	TX201	Addicks loam	1.195
Houston Lateral	TX	Harris	42.718	42.796	0.0775	TX201	Nahatche loam	0.074
Houston Lateral	TX	Harris	42.796	42.874	0.0785	TX201	Kaman clay	0.075
Houston Lateral	TX	Harris	42.874	42.949	0.0752	TX201	Nahatche loam	0.071
Houston Lateral	TX	Harris	42.949	43.036	0.0862	TX201	Kaman clay	0.082
Houston Lateral	TX	Harris	43.036	43.314	0.2783	TX201	Voss sand	0.250
Houston Lateral	TX	Harris	43.375	43.555	0.1802	TX201	Voss sand	0.162
Houston Lateral	TX	Harris	43.555	43.803	0.2479	TX201	Kaman clay	0.236
Houston Lateral	TX	Harris	43.851	43.912	0.0606	TX201	Kaman clay	0.058
Houston Lateral	TX	Harris	43.983	44.451	0.4682	TX201	Kaman clay	0.445
Houston Lateral	TX	Harris	44.861	45.148	0.2870	TX201	Ozan loam	0.258
Houston Lateral	TX	Harris	45.932	45.982	0.0504	TX201	Gessner loam	0.043
Houston Lateral	TX	Harris	47.220	47.867	0.6471	TX201	Addicks loam	0.582

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
STEELE CITY SEGMENT									
Steele City	MT	Phillips	0.000	0.740	0.740	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	0.000	0.503
Steele City	MT	Phillips	2.527	3.740	1.213	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	0.000	0.825
Steele City	MT	Phillips	7.949	8.074	0.125	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.000	0.109
Steele City	MT	Phillips	8.148	8.276	0.128	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.000	0.111
Steele City	MT	Phillips	9.407	9.778	0.370	MT641	Kevin-Sunburst clay loams, 2 to 8 percent slopes	0.000	0.011
Steele City	MT	Phillips	9.778	10.033	0.255	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.000	0.008
Steele City	MT	Phillips	10.155	10.202	0.047	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Phillips	10.419	10.911	0.492	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	0.000	0.334
Steele City	MT	Phillips	10.975	11.505	0.530	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	0.000	0.360
Steele City	MT	Phillips	11.505	12.044	0.539	MT641	Neldore-Bascovy clays, 4 to 15 percent slopes	0.000	0.485
Steele City	MT	Phillips	12.044	12.363	0.318	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.000	0.277
Steele City	MT	Phillips	12.480	13.023	0.543	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.000	0.016
Steele City	MT	Phillips	13.023	13.109	0.086	MT641	Neldore-Bascovy-Rock outcrop association, 8 to 60 percent slopes	0.000	0.069
Steele City	MT	Phillips	13.423	13.513	0.089	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.000	0.078
Steele City	MT	Phillips	13.513	13.532	0.019	MT641	Neldore-Bascovy-Rock outcrop association, 8 to 60 percent slopes	0.000	0.015
Steele City	MT	Phillips	13.532	13.650	0.118	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.000	0.102
Steele City	MT	Phillips	13.650	13.815	0.165	MT641	Neldore-Bascovy-Rock outcrop association, 8 to 60 percent slopes	0.000	0.132
Steele City	MT	Phillips	13.815	14.373	0.558	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.000	0.017
Steele City	MT	Phillips	14.373	15.332	0.960	MT641	Hillon-Kevin complex, 8 to 15 percent slopes	0.000	0.950
Steele City	MT	Phillips	15.332	15.427	0.095	MT641	Bascovy-Neldore-Weingart clays, 8 to 25 percent slopes	0.000	0.092
Steele City	MT	Phillips	15.427	15.444	0.017	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.000	0.014
Steele City	MT	Phillips	15.444	15.461	0.017	MT641	Sunburst-Kevin complex, 15 to 45 percent slopes	0.000	0.017
Steele City	MT	Phillips	15.461	15.472	0.011	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.000	0.009
Steele City	MT	Phillips	15.472	15.814	0.342	MT641	Sunburst-Kevin complex, 15 to 45 percent slopes	0.000	0.342
Steele City	MT	Phillips	15.814	16.211	0.397	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.000	0.012
Steele City	MT	Phillips	16.211	16.359	0.148	MT641	Sunburst-Neldore association, 15 to 45 percent slopes	0.000	0.133
Steele City	MT	Phillips	16.359	16.540	0.181	MT641	Neldore-Bascovy-Rock outcrop association, 8 to 60 percent slopes	0.000	0.145
Steele City	MT	Phillips	16.540	16.760	0.220	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.000	0.007
Steele City	MT	Phillips	16.760	16.825	0.064	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.000	0.056
Steele City	MT	Phillips	16.825	16.942	0.118	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.000	0.002
Steele City	MT	Phillips	16.942	17.012	0.070	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.000	0.061
Steele City	MT	Phillips	17.012	17.049	0.037	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Phillips	17.049	17.171	0.121	MT641	Marvan-Gerdrum association, 2 to 15 percent slopes	0.000	0.073
Steele City	MT	Phillips	17.171	17.314	0.143	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.000	0.003
Steele City	MT	Phillips	17.314	17.673	0.360	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.000	0.011
Steele City	MT	Phillips	17.673	17.823	0.150	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.000	0.003
Steele City	MT	Phillips	17.823	17.855	0.032	MT641	Sunburst-Bascovy-Neldore complex, 8 to 35 percent slopes	0.000	0.028
Steele City	MT	Phillips	17.855	17.959	0.105	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.000	0.002
Steele City	MT	Phillips	19.316	19.650	0.334	MT641	Twilight-Cabbart-Marmarth association, 4 to 15 percent slopes	0.000	0.177
Steele City	MT	Phillips	20.691	20.734	0.043	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.000	0.035
Steele City	MT	Phillips	20.788	21.075	0.287	MT641	Hillon-Kevin complex, 8 to 15 percent slopes	0.000	0.284
Steele City	MT	Phillips	21.283	21.315	0.032	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.000	0.026
Steele City	MT	Phillips	21.433	21.544	0.110	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.000	0.090
Steele City	MT	Phillips	21.584	21.609	0.025	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.000	0.020
Steele City	MT	Phillips	21.609	21.782	0.173	MT641	Hillon-Kevin complex, 8 to 15 percent slopes	0.000	0.171
Steele City	MT	Phillips	21.983	22.039	0.056	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.000	0.046
Steele City	MT	Phillips	22.881	22.935	0.055	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.000	0.002
Steele City	MT	Phillips	23.912	23.994	0.082	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.000	0.067
Steele City	MT	Phillips	25.183	25.358	0.175	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.000	0.143
Steele City	MT	Phillips	25.358	25.413	0.055	MT641	Yamacall loam, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Valley	25.997	26.054	0.057	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.000	0.054
Steele City	MT	Valley	26.054	26.116	0.062	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.062
Steele City	MT	Valley	26.116	27.299	1.182	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	1.041
Steele City	MT	Valley	27.299	27.452	0.154	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.000	0.149
Steele City	MT	Valley	27.452	28.218	0.766	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.674
Steele City	MT	Valley	28.218	28.702	0.484	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.015
Steele City	MT	Valley	28.702	29.079	0.376	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.331
Steele City	MT	Valley	29.079	29.379	0.301	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.271
Steele City	MT	Valley	29.379	29.571	0.192	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.169
Steele City	MT	Valley	29.571	30.063	0.491	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.442
Steele City	MT	Valley	30.063	30.378	0.316	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.278
Steele City	MT	Valley	30.378	30.635	0.256	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.231
Steele City	MT	Valley	30.635	30.913	0.278	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.245
Steele City	MT	Valley	30.913	31.300	0.388	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.349
Steele City	MT	Valley	31.300	31.822	0.521	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.459
Steele City	MT	Valley	31.822	32.282	0.461	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.415

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	MT	Valley	32.282	32.354	0.072	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.068
Steele City	MT	Valley	32.482	32.649	0.167	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.000	0.162
Steele City	MT	Valley	32.649	32.907	0.258	MT105	Thebo-Lisam clays, 2 to 15 percent slopes	0.000	0.240
Steele City	MT	Valley	32.907	32.931	0.024	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.023
Steele City	MT	Valley	33.038	33.838	0.801	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.721
Steele City	MT	Valley	33.838	33.954	0.115	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.000	0.112
Steele City	MT	Valley	33.954	34.586	0.632	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.569
Steele City	MT	Valley	34.586	34.635	0.049	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.000	0.048
Steele City	MT	Valley	34.635	34.689	0.054	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.049
Steele City	MT	Valley	34.689	35.167	0.477	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.000	0.468
Steele City	MT	Valley	35.167	35.317	0.150	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.135
Steele City	MT	Valley	35.317	35.433	0.116	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.000	0.114
Steele City	MT	Valley	35.433	35.510	0.077	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.002
Steele City	MT	Valley	35.510	35.587	0.078	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.000	0.075
Steele City	MT	Valley	35.587	35.855	0.268	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.008
Steele City	MT	Valley	35.855	36.069	0.213	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.203
Steele City	MT	Valley	36.069	36.263	0.194	MT105	Marmarth-Cabbart loams, 5 to 25 percent slopes	0.000	0.194
Steele City	MT	Valley	36.263	36.583	0.321	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.282
Steele City	MT	Valley	36.583	38.199	1.616	MT105	Scobey stony clay loams, 2 to 15 percent slopes	0.000	1.616
Steele City	MT	Valley	38.199	38.652	0.452	MT105	Scobey clay loam, 1 to 9 percent slopes	0.000	0.434
Steele City	MT	Valley	38.652	38.754	0.102	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.000	0.098
Steele City	MT	Valley	38.754	38.850	0.096	MT105	Scobey clay loam, 1 to 9 percent slopes	0.000	0.093
Steele City	MT	Valley	38.850	39.073	0.223	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.000	0.214
Steele City	MT	Valley	39.333	39.599	0.266	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.000	0.255
Steele City	MT	Valley	39.599	40.079	0.480	MT105	Telstad loam, 1 to 9 percent slopes	0.000	0.451
Steele City	MT	Valley	40.079	40.355	0.276	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.000	0.265
Steele City	MT	Valley	40.782	40.912	0.129	MT105	Evanston loam, 2 to 9 percent slopes	0.000	0.124
Steele City	MT	Valley	40.912	41.058	0.146	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.146
Steele City	MT	Valley	41.092	41.211	0.118	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.118
Steele City	MT	Valley	41.446	41.508	0.063	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.000	0.060
Steele City	MT	Valley	41.508	41.637	0.129	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.129
Steele City	MT	Valley	41.637	42.352	0.715	MT105	Scobey clay loam, 1 to 9 percent slopes	0.000	0.686
Steele City	MT	Valley	42.352	42.437	0.085	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.085
Steele City	MT	Valley	42.437	42.563	0.127	MT105	Scobey clay loam, 1 to 9 percent slopes	0.000	0.122
Steele City	MT	Valley	42.563	42.828	0.264	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.000	0.256
Steele City	MT	Valley	42.828	42.975	0.147	MT105	Evanston loam, 2 to 9 percent slopes	0.000	0.141
Steele City	MT	Valley	42.975	43.156	0.181	MT105	Marmarth-Cabbart loams, 5 to 25 percent slopes	0.000	0.181
Steele City	MT	Valley	43.156	43.245	0.088	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.078
Steele City	MT	Valley	43.245	43.533	0.288	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.259
Steele City	MT	Valley	43.533	43.664	0.131	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.004
Steele City	MT	Valley	43.664	44.002	0.338	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.297
Steele City	MT	Valley	44.002	44.144	0.142	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.004
Steele City	MT	Valley	44.144	44.394	0.251	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.220
Steele City	MT	Valley	44.394	44.475	0.080	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.080
Steele City	MT	Valley	44.475	44.793	0.319	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.281
Steele City	MT	Valley	44.793	44.840	0.046	MT105	Marmarth-Cabbart loams, 5 to 25 percent slopes	0.000	0.046
Steele City	MT	Valley	44.912	45.060	0.149	MT105	Evanston loam, 2 to 9 percent slopes	0.000	0.143
Steele City	MT	Valley	45.060	45.197	0.136	MT105	Marmarth-Cabbart loams, 5 to 25 percent slopes	0.000	0.136
Steele City	MT	Valley	45.197	45.442	0.246	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.007
Steele City	MT	Valley	45.754	45.825	0.071	MT105	Marias clay, 1 to 9 percent slopes	0.000	0.068
Steele City	MT	Valley	45.825	46.136	0.311	MT105	Thebo clay, 2 to 9 percent slopes	0.000	0.311
Steele City	MT	Valley	46.172	46.305	0.134	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.000	0.131
Steele City	MT	Valley	46.599	46.914	0.314	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.299
Steele City	MT	Valley	46.927	47.006	0.079	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.075
Steele City	MT	Valley	47.278	47.554	0.276	MT105	Tinsley complex, 9 to 35 percent slopes	0.000	0.221
Steele City	MT	Valley	47.554	47.801	0.247	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.007
Steele City	MT	Valley	47.801	47.905	0.103	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.000	0.100
Steele City	MT	Valley	47.905	48.021	0.117	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.004
Steele City	MT	Valley	48.021	48.484	0.463	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.440
Steele City	MT	Valley	48.638	48.689	0.051	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.000	0.050
Steele City	MT	Valley	48.689	48.713	0.024	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.022
Steele City	MT	Valley	48.713	48.767	0.054	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.000	0.052
Steele City	MT	Valley	48.767	48.832	0.065	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.058
Steele City	MT	Valley	48.832	48.993	0.161	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.000	0.156
Steele City	MT	Valley	48.993	49.036	0.043	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.038
Steele City	MT	Valley	49.036	49.108	0.072	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.000	0.070
Steele City	MT	Valley	49.108	51.068	1.960	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	1.764
Steele City	MT	Valley	51.207	51.478	0.271	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.258
Steele City	MT	Valley	51.554	51.721	0.167	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.159
Steele City	MT	Valley	52.135	52.273	0.138	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.131
Steele City	MT	Valley	52.371	52.440	0.069	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.066
Steele City	MT	Valley	52.440	52.878	0.438	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.394
Steele City	MT	Valley	52.878	52.947	0.069	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.065
Steele City	MT	Valley	52.947	53.125	0.178	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.161
Steele City	MT	Valley	53.125	53.207	0.082	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.078
Steele City	MT	Valley	53.207	53.254	0.047	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.000	0.046
Steele City	MT	Valley	53.474	53.576	0.101	MT105	Thebo-Lisam clays, 2 to 15 percent slopes	0.000	0.094
Steele City	MT	Valley	53.576	54.011	0.435	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.413

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	MT	Valley	54.303	54.745	0.442	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.398
Steele City	MT	Valley	54.745	55.201	0.456	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.433
Steele City	MT	Valley	55.651	55.755	0.104	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.099
Steele City	MT	Valley	55.755	55.828	0.073	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.065
Steele City	MT	Valley	55.828	55.993	0.165	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.165
Steele City	MT	Valley	55.993	56.037	0.044	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.039
Steele City	MT	Valley	56.037	56.137	0.100	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.100
Steele City	MT	Valley	56.137	56.511	0.375	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.337
Steele City	MT	Valley	56.511	56.583	0.072	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.068
Steele City	MT	Valley	56.583	56.835	0.251	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.226
Steele City	MT	Valley	56.835	56.892	0.057	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.054
Steele City	MT	Valley	57.064	57.205	0.140	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.000	0.136
Steele City	MT	Valley	57.205	57.270	0.065	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.000	0.064
Steele City	MT	Valley	57.270	57.337	0.067	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.064
Steele City	MT	Valley	57.337	57.402	0.065	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.000	0.064
Steele City	MT	Valley	57.402	57.596	0.195	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.000	0.185
Steele City	MT	Valley	57.596	57.799	0.203	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.182
Steele City	MT	Valley	57.799	58.380	0.581	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.000	0.564
Steele City	MT	Valley	59.359	59.463	0.104	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.000	0.101
Steele City	MT	Valley	59.629	59.752	0.122	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.000	0.119
Steele City	MT	Valley	61.142	61.581	0.438	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.000	0.425
Steele City	MT	Valley	61.725	61.933	0.207	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.000	0.201
Steele City	MT	Valley	63.224	63.632	0.407	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.358
Steele City	MT	Valley	63.632	64.157	0.526	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.016
Steele City	MT	Valley	64.948	66.849	1.900	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	1.672
Steele City	MT	Valley	66.849	66.890	0.041	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.000	0.040
Steele City	MT	Valley	67.142	67.237	0.095	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.086
Steele City	MT	Valley	67.461	67.603	0.142	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.128
Steele City	MT	Valley	67.603	67.807	0.204	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.179
Steele City	MT	Valley	68.031	68.333	0.302	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.266
Steele City	MT	Valley	68.596	69.204	0.608	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.535
Steele City	MT	Valley	69.245	69.439	0.194	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.171
Steele City	MT	Valley	70.478	70.568	0.090	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.090
Steele City	MT	Valley	70.568	70.784	0.216	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.190
Steele City	MT	Valley	70.784	70.862	0.078	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.078
Steele City	MT	Valley	71.047	72.909	1.862	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	1.638
Steele City	MT	Valley	72.909	73.437	0.528	MT105	Scobey clay loam, 1 to 9 percent slopes	0.000	0.507
Steele City	MT	Valley	73.437	73.535	0.098	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.086
Steele City	MT	Valley	73.535	73.606	0.071	MT105	Scobey clay loam, 1 to 9 percent slopes	0.000	0.068
Steele City	MT	Valley	73.606	75.808	2.202	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	1.938
Steele City	MT	Valley	75.808	75.875	0.067	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.067
Steele City	MT	Valley	75.936	75.986	0.050	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.050
Steele City	MT	Valley	75.986	76.489	0.503	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.442
Steele City	MT	Valley	76.489	76.514	0.026	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.026
Steele City	MT	Valley	76.514	77.759	1.245	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	1.096
Steele City	MT	Valley	77.759	77.837	0.078	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.078
Steele City	MT	Valley	77.893	77.922	0.029	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.029
Steele City	MT	Valley	77.922	78.056	0.133	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.117
Steele City	MT	Valley	78.056	78.287	0.231	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.231
Steele City	MT	Valley	78.287	78.684	0.397	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.350
Steele City	MT	Valley	78.684	78.856	0.172	MT105	Nishon loam	0.000	0.003
Steele City	MT	Valley	78.856	79.304	0.448	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.394
Steele City	MT	Valley	79.304	79.676	0.372	MT105	Scobey clay loam, 1 to 9 percent slopes	0.000	0.357
Steele City	MT	Valley	79.676	80.784	1.108	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.000	0.975
Steele City	MT	Valley	82.130	82.412	0.282	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.000	0.282
Steele City	MT	Valley	82.412	82.492	0.080	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.000	0.072
Steele City	MT	Valley	84.851	85.041	0.190	MT105	Hillon-Telstad loams, 9 to 15 percent slopes	0.000	0.190
Steele City	MT	Valley	85.041	85.289	0.248	MT105	Evanston-Lonna loams, 2 to 9 percent slopes	0.000	0.235
Steele City	MT	Valley	85.289	85.598	0.309	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.009
Steele City	MT	Valley	85.598	85.990	0.392	MT105	Evanston-Lonna loams, 2 to 9 percent slopes	0.000	0.372
Steele City	MT	Valley	85.990	86.155	0.164	MT105	Phillips loam, 0 to 5 percent slopes	0.000	0.005
Steele City	MT	Valley	86.155	86.986	0.831	MT105	Evanston-Lonna loams, 2 to 9 percent slopes	0.000	0.790
Steele City	MT	Valley	86.986	87.018	0.032	MT105	Hillon loam, 15 to 35 percent slopes	0.000	0.032
Steele City	MT	McCone	90.046	90.114	0.068	MT055	Neldore-Badland-Bascovy complex, 15 to 45 percent slopes	0.000	0.046
Steele City	MT	McCone	90.114	90.451	0.337	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.067	0.145
Steele City	MT	McCone	90.451	90.830	0.380	MT055	Neldore-Yamac-Badland complex, 15 to 45 percent slopes	0.023	0.285
Steele City	MT	McCone	90.830	90.883	0.052	MT055	Yamac loam, 8 to 15 percent slopes	0.002	0.047
Steele City	MT	McCone	90.883	90.976	0.093	MT055	Neldore-Yamac-Badland complex, 15 to 45 percent slopes	0.006	0.070
Steele City	MT	McCone	90.976	91.464	0.488	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.098	0.210
Steele City	MT	McCone	91.464	91.642	0.178	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.143	0.169
Steele City	MT	McCone	91.642	91.786	0.144	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.029	0.062
Steele City	MT	McCone	91.786	92.077	0.291	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.233	0.276
Steele City	MT	McCone	92.077	92.255	0.178	MT055	Twilight-Yetull fine sandy loams, 8 to 15 percent slopes	0.005	0.023
Steele City	MT	McCone	92.255	92.262	0.007	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.005	0.006
Steele City	MT	McCone	92.262	92.464	0.202	MT055	Twilight-Yetull fine sandy loams, 8 to 15 percent slopes	0.006	0.026
Steele City	MT	McCone	92.464	92.735	0.271	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.217	0.258
Steele City	MT	McCone	92.735	92.920	0.185	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.037	0.080
Steele City	MT	McCone	92.920	93.537	0.616	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.308	0.579

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	MT	McCone	93.537	93.572	0.035	MT055	Aeric Fluvaquents, loamy	0.000	0.000
Steele City	MT	McCone	93.572	93.607	0.035	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.000	0.034
Steele City	MT	McCone	93.607	93.674	0.067	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.034	0.063
Steele City	MT	McCone	93.674	93.718	0.044	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.000	0.042
Steele City	MT	McCone	93.718	93.796	0.078	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.008	0.078
Steele City	MT	McCone	93.796	94.001	0.204	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.164	0.194
Steele City	MT	McCone	94.001	94.120	0.119	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.059	0.111
Steele City	MT	McCone	94.120	94.220	0.100	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.000	0.096
Steele City	MT	McCone	94.220	94.236	0.016	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.008	0.015
Steele City	MT	McCone	94.236	94.254	0.018	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.002	0.018
Steele City	MT	McCone	94.254	94.486	0.232	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.116	0.216
Steele City	MT	McCone	94.486	94.684	0.197	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.020	0.197
Steele City	MT	McCone	94.684	94.772	0.089	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.044	0.083
Steele City	MT	McCone	94.772	94.878	0.106	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.011	0.106
Steele City	MT	McCone	94.878	95.050	0.172	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.086	0.160
Steele City	MT	McCone	95.050	95.366	0.316	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.032	0.316
Steele City	MT	McCone	95.366	95.613	0.246	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.123	0.232
Steele City	MT	McCone	95.613	95.662	0.050	MT055	Hillon loam, 8 to 15 percent slopes	0.000	0.048
Steele City	MT	McCone	95.662	95.793	0.131	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.066	0.123
Steele City	MT	McCone	95.793	95.931	0.137	MT055	Hillon loam, 8 to 15 percent slopes	0.000	0.133
Steele City	MT	McCone	95.931	96.048	0.117	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.094	0.111
Steele City	MT	McCone	96.048	96.419	0.371	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.185	0.349
Steele City	MT	McCone	96.419	96.554	0.136	MT055	Busby fine sandy loam, 8 to 15 percent slopes	0.007	0.123
Steele City	MT	McCone	96.554	96.611	0.057	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.046	0.054
Steele City	MT	McCone	96.611	96.761	0.150	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.015	0.150
Steele City	MT	McCone	96.761	96.887	0.125	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.063	0.118
Steele City	MT	McCone	96.887	96.986	0.099	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.010	0.099
Steele City	MT	McCone	96.986	97.020	0.035	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.017	0.032
Steele City	MT	McCone	97.020	97.297	0.277	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.028	0.277
Steele City	MT	McCone	97.297	97.546	0.249	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.124	0.231
Steele City	MT	McCone	97.546	97.672	0.127	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.000	0.121
Steele City	MT	McCone	97.860	97.970	0.110	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.055	0.103
Steele City	MT	McCone	98.032	98.107	0.075	MT055	Yamac-Twilight complex, 2 to 8 percent slopes	0.004	0.004
Steele City	MT	McCone	98.239	98.295	0.056	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.045	0.053
Steele City	MT	McCone	98.480	98.680	0.199	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.160	0.189
Steele City	MT	McCone	98.680	98.875	0.195	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.098	0.184
Steele City	MT	McCone	98.875	99.021	0.146	MT055	Yamac loam, 8 to 15 percent slopes	0.004	0.130
Steele City	MT	McCone	99.021	99.195	0.174	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.139	0.165
Steele City	MT	McCone	99.195	99.323	0.128	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.026	0.055
Steele City	MT	McCone	99.323	99.327	0.004	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.000	0.004
Steele City	MT	McCone	99.327	99.383	0.056	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.011	0.024
Steele City	MT	McCone	99.383	99.468	0.084	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.067	0.080
Steele City	MT	McCone	99.503	99.636	0.133	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.106	0.126
Steele City	MT	McCone	99.636	99.690	0.054	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.011	0.023
Steele City	MT	McCone	99.747	99.965	0.218	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.044	0.094
Steele City	MT	McCone	99.965	100.149	0.184	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.000	0.177
Steele City	MT	McCone	100.149	100.219	0.070	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.014	0.032
Steele City	MT	McCone	100.265	100.308	0.042	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.000	0.040
Steele City	MT	McCone	100.569	100.641	0.072	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.036	0.068
Steele City	MT	McCone	100.641	100.760	0.119	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.060	0.111
Steele City	MT	McCone	100.863	101.071	0.209	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.104	0.194
Steele City	MT	McCone	101.071	101.252	0.181	MT055	Gerdrum-Yawdim-Fleak complex, 8 to 45 percent slopes	0.090	0.163
Steele City	MT	McCone	101.252	101.293	0.041	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.021	0.039
Steele City	MT	McCone	101.294	101.476	0.182	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.091	0.169
Steele City	MT	McCone	101.476	101.591	0.115	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.000	0.111
Steele City	MT	McCone	101.637	101.699	0.062	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.031	0.058
Steele City	MT	McCone	101.770	101.948	0.178	MT055	Creed-Gerdrum complex, 0 to 8 percent slopes	0.005	0.000
Steele City	MT	McCone	102.181	102.252	0.071	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.036	0.067
Steele City	MT	McCone	102.410	102.460	0.051	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.001	0.000
Steele City	MT	McCone	102.460	102.490	0.029	MT055	Busby-Yetull fine sandy loams, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	McCone	102.490	102.527	0.037	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.001	0.000
Steele City	MT	McCone	102.527	102.686	0.159	MT055	Busby-Yetull fine sandy loams, 2 to 8 percent slopes	0.000	0.005
Steele City	MT	McCone	102.686	102.817	0.131	MT055	Busby fine sandy loam, 2 to 8 percent slopes	0.004	0.000
Steele City	MT	McCone	102.817	102.865	0.048	MT055	Busby-Yetull fine sandy loams, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	McCone	102.913	103.105	0.193	MT055	Busby-Yetull fine sandy loams, 2 to 8 percent slopes	0.000	0.006
Steele City	MT	McCone	103.105	103.150	0.044	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.002	0.000
Steele City	MT	McCone	103.335	103.371	0.037	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.001	0.000
Steele City	MT	McCone	103.443	103.835	0.392	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.016	0.000
Steele City	MT	McCone	103.892	104.070	0.178	MT055	Hillon loam, 15 to 45 percent slopes	0.000	0.165
Steele City	MT	McCone	104.249	104.296	0.048	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.002	0.000
Steele City	MT	McCone	104.542	104.594	0.052	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.010	0.024
Steele City	MT	McCone	105.261	105.365	0.104	MT055	Ustic torriorthents-Ustic torrifluvents association	0.000	0.006
Steele City	MT	McCone	105.508	105.518	0.010	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.000	0.000
Steele City	MT	McCone	105.749	105.883	0.134	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.000	0.129
Steele City	MT	McCone	106.102	106.248	0.146	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.000	0.140
Steele City	MT	McCone	106.248	106.486	0.238	MT055	Yawdim-Badland-Gerdrum association	0.019	0.157
Steele City	MT	McCone	106.486	106.607	0.121	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.024	0.056
Steele City	MT	McCone	106.607	106.687	0.080	MT055	Ustic torriorthents-Ustic torrifluvents association	0.000	0.005

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	MT	McCone	106.687	106.841	0.154	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.077	0.145
Steele City	MT	McCone	107.441	107.509	0.068	MT055	Ustic torriorthents-Ustic torrifluvents association	0.000	0.004
Steele City	MT	McCone	108.606	108.665	0.058	MT055	Yawdim-Badland-Gerdrum association	0.005	0.039
Steele City	MT	McCone	108.665	108.730	0.065	MT055	Benz clay loam, 0 to 8 percent slopes	0.001	0.000
Steele City	MT	McCone	108.781	108.806	0.026	MT055	Badland	0.000	0.003
Steele City	MT	McCone	109.231	109.354	0.123	MT055	Busby-Twilight fine sandy loams, 2 to 8 percent slopes	0.005	0.004
Steele City	MT	McCone	109.354	109.458	0.104	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.021	0.048
Steele City	MT	McCone	109.458	109.550	0.092	MT055	Busby-Twilight fine sandy loams, 2 to 8 percent slopes	0.004	0.003
Steele City	MT	McCone	109.620	109.785	0.165	MT055	Busby-Twilight fine sandy loams, 2 to 8 percent slopes	0.007	0.005
Steele City	MT	McCone	109.826	109.918	0.092	MT055	Busby-Twilight fine sandy loams, 2 to 8 percent slopes	0.004	0.003
Steele City	MT	McCone	109.985	110.047	0.062	MT055	Busby-Twilight fine sandy loams, 2 to 8 percent slopes	0.002	0.002
Steele City	MT	McCone	110.047	110.372	0.325	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.065	0.150
Steele City	MT	McCone	110.372	110.506	0.135	MT055	Glendive loam	0.005	0.000
Steele City	MT	McCone	110.617	110.658	0.042	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.008	0.019
Steele City	MT	McCone	110.658	110.710	0.051	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.026	0.048
Steele City	MT	McCone	110.710	110.752	0.043	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.009	0.020
Steele City	MT	McCone	110.752	110.803	0.051	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.025	0.048
Steele City	MT	McCone	110.803	110.842	0.038	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.008	0.018
Steele City	MT	McCone	110.842	110.974	0.132	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.066	0.124
Steele City	MT	McCone	110.974	111.049	0.075	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.015	0.034
Steele City	MT	McCone	111.366	111.376	0.010	MT055	Ustic torriorthents-Ustic torrifluvents association	0.000	0.001
Steele City	MT	McCone	111.415	111.524	0.109	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.004	0.000
Steele City	MT	McCone	111.630	111.693	0.063	MT055	Chinook fine sandy loam, 8 to 15 percent slopes	0.003	0.004
Steele City	MT	McCone	112.178	112.339	0.161	MT055	Badland	0.000	0.021
Steele City	MT	McCone	112.465	112.508	0.043	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.034	0.041
Steele City	MT	McCone	112.508	112.675	0.167	MT055	Yawdim-Badland-Cabbart association	0.017	0.117
Steele City	MT	McCone	112.675	112.712	0.038	MT055	Yamac loam, 8 to 15 percent slopes	0.001	0.034
Steele City	MT	McCone	112.817	112.887	0.070	MT055	Yamac loam, 8 to 15 percent slopes	0.002	0.062
Steele City	MT	McCone	113.029	113.084	0.055	MT055	Rominell-Yamac loams, 4 to 15 percent slopes	0.001	0.024
Steele City	MT	McCone	113.290	113.427	0.137	MT055	Hillon loam, 15 to 45 percent slopes	0.000	0.128
Steele City	MT	McCone	113.717	113.785	0.068	MT055	Ustic torriorthents-Ustic torrifluvents association	0.000	0.004
Steele City	MT	McCone	113.785	113.895	0.110	MT055	Twilight-Yetull fine sandy loams, 8 to 15 percent slopes	0.003	0.014
Steele City	MT	McCone	113.895	113.945	0.050	MT055	Cabbart-Yawdim complex, 15 to 45 percent slopes	0.008	0.047
Steele City	MT	McCone	113.945	114.002	0.057	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.002	0.000
Steele City	MT	McCone	114.002	114.043	0.042	MT055	Cabbart-Yawdim complex, 15 to 45 percent slopes	0.007	0.039
Steele City	MT	McCone	114.043	114.076	0.033	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	0.000	0.022
Steele City	MT	McCone	114.099	114.152	0.053	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.002	0.000
Steele City	MT	McCone	114.213	114.291	0.078	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.002	0.000
Steele City	MT	McCone	114.383	114.795	0.412	MT055	Chinook fine sandy loam, gullied, 2 to 8 percent slopes	0.016	0.000
Steele City	MT	McCone	114.883	115.002	0.119	MT055	Badland	0.000	0.016
Steele City	MT	McCone	115.002	115.103	0.101	MT055	Benz clay loam, 0 to 8 percent slopes	0.002	0.000
Steele City	MT	McCone	115.384	115.397	0.013	MT055	Absher clay loam, 8 to 15 percent slopes	0.000	0.013
Steele City	MT	McCone	115.446	115.550	0.104	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.002	0.000
Steele City	MT	McCone	115.550	115.583	0.033	MT055	Ustic torriorthents-Ustic torrifluvents association	0.000	0.002
Steele City	MT	McCone	116.099	116.257	0.158	MT055	Yawdim-Badland-Gerdrum association	0.013	0.104
Steele City	MT	McCone	116.257	116.491	0.233	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.117	0.219
Steele City	MT	McCone	116.539	116.591	0.052	MT055	Badland	0.000	0.007
Steele City	MT	McCone	116.591	116.624	0.033	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.000	0.032
Steele City	MT	McCone	116.809	117.024	0.215	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.030	0.204
Steele City	MT	McCone	117.024	117.131	0.107	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.021	0.046
Steele City	MT	McCone	117.193	117.266	0.073	MT055	Hillon loam, 8 to 15 percent slopes	0.000	0.071
Steele City	MT	McCone	117.359	117.400	0.042	MT055	Yawdim-Kirby complex, 8 to 35 percent slopes	0.003	0.042
Steele City	MT	McCone	117.400	117.599	0.199	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.008	0.000
Steele City	MT	McCone	117.636	117.741	0.105	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.000	0.101
Steele City	MT	McCone	117.741	117.783	0.042	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.002	0.000
Steele City	MT	McCone	117.852	118.205	0.354	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.014	0.000
Steele City	MT	McCone	118.205	118.286	0.081	MT055	Gerdrum-Yawdim-Fleak complex, 8 to 45 percent slopes	0.040	0.073
Steele City	MT	McCone	118.286	118.396	0.110	MT055	Typic Fluvaquents, saline	0.000	0.001
Steele City	MT	McCone	118.396	118.525	0.129	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	0.000	0.087
Steele City	MT	McCone	118.740	119.086	0.345	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.014	0.000
Steele City	MT	McCone	119.086	119.158	0.073	MT055	Ustic torriorthents-Ustic torrifluvents association	0.000	0.004
Steele City	MT	McCone	119.593	119.635	0.042	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.000	0.041
Steele City	MT	McCone	119.635	119.923	0.287	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	0.000	0.193
Steele City	MT	McCone	119.923	119.987	0.064	MT055	Cabbart-Badland complex, 15 to 45 percent slopes	0.000	0.041
Steele City	MT	McCone	119.987	120.074	0.087	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.012	0.083
Steele City	MT	McCone	120.074	120.145	0.071	MT055	Cabbart-Badland complex, 15 to 45 percent slopes	0.000	0.045
Steele City	MT	McCone	120.145	120.187	0.042	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.034	0.040
Steele City	MT	McCone	120.187	120.268	0.081	MT055	Cabbart-Badland complex, 15 to 45 percent slopes	0.000	0.052
Steele City	MT	McCone	120.268	120.323	0.055	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.008	0.053
Steele City	MT	McCone	120.323	120.448	0.125	MT055	Rominell-Yamac loams, 4 to 15 percent slopes	0.002	0.054
Steele City	MT	McCone	120.448	120.576	0.128	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.018	0.122
Steele City	MT	McCone	120.594	120.666	0.073	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.010	0.069
Steele City	MT	McCone	120.666	120.707	0.040	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	0.000	0.027
Steele City	MT	McCone	120.828	120.890	0.062	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.009	0.059
Steele City	MT	McCone	120.933	121.064	0.131	MT055	Creed-Gerdrum complex, 0 to 8 percent slopes	0.004	0.000
Steele City	MT	McCone	121.085	121.213	0.128	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.026	0.059
Steele City	MT	McCone	122.249	122.358	0.109	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.002	0.000
Steele City	MT	McCone	122.553	122.656	0.103	MT055	Rominell-Yamac loams, 4 to 15 percent slopes	0.002	0.044

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	MT	McCone	122.994	123.094	0.100	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.002	0.000
Steele City	MT	McCone	123.304	123.575	0.271	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.000	0.260
Steele City	MT	McCone	123.937	124.005	0.068	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.000	0.065
Steele City	MT	McCone	124.065	124.283	0.218	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.000	0.209
Steele City	MT	McCone	124.462	124.536	0.074	MT055	Ustic torriorthents-Ustic torrifluvents association	0.000	0.004
Steele City	MT	McCone	124.720	124.820	0.100	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	0.003	0.097
Steele City	MT	McCone	124.975	125.073	0.098	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	0.003	0.095
Steele City	MT	McCone	125.513	125.921	0.408	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.057	0.388
Steele City	MT	McCone	126.053	126.132	0.080	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.002	0.000
Steele City	MT	McCone	126.132	126.187	0.055	MT055	Ustic torriorthents-Ustic torrifluvents association	0.000	0.003
Steele City	MT	McCone	126.584	126.777	0.193	MT055	Cabbart silt loam, 15 to 25 percent slopes	0.012	0.189
Steele City	MT	McCone	127.014	127.094	0.080	MT055	Cabbart silt loam, 15 to 25 percent slopes	0.005	0.079
Steele City	MT	McCone	127.493	127.501	0.008	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.000	0.000
Steele City	MT	McCone	127.501	127.549	0.048	MT055	Cabbart-Badland complex, 15 to 45 percent slopes	0.000	0.031
Steele City	MT	McCone	128.117	128.183	0.066	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	0.000	0.044
Steele City	MT	McCone	128.213	128.270	0.057	MT055	Cabbart silt loam, 15 to 25 percent slopes	0.003	0.056
Steele City	MT	McCone	128.270	128.451	0.181	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.145	0.172
Steele City	MT	McCone	128.451	128.550	0.099	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	0.000	0.066
Steele City	MT	McCone	128.837	128.895	0.057	MT055	Cabbart-Kirby complex, 8 to 45 percent slopes	0.000	0.056
Steele City	MT	McCone	128.895	128.918	0.023	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	0.001	0.023
Steele City	MT	McCone	128.918	128.957	0.039	MT055	Cabbart-Kirby complex, 8 to 45 percent slopes	0.000	0.038
Steele City	MT	McCone	128.957	129.017	0.061	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	0.002	0.059
Steele City	MT	McCone	129.017	129.028	0.011	MT055	Cabbart-Kirby complex, 8 to 45 percent slopes	0.000	0.011
Steele City	MT	McCone	129.028	129.063	0.034	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.027	0.033
Steele City	MT	McCone	129.063	129.179	0.117	MT055	Busby fine sandy loam, 2 to 8 percent slopes	0.003	0.000
Steele City	MT	McCone	129.571	129.610	0.039	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	0.001	0.038
Steele City	MT	McCone	130.469	130.524	0.055	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.011	0.024
Steele City	MT	McCone	130.790	130.871	0.081	MT055	Cabbart silt loam, 15 to 25 percent slopes	0.005	0.080
Steele City	MT	McCone	130.979	131.099	0.120	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	0.004	0.117
Steele City	MT	McCone	131.198	131.255	0.057	MT055	Cabbart silt loam, 15 to 25 percent slopes	0.003	0.056
Steele City	MT	McCone	131.331	131.400	0.069	MT055	Yamac loam, 8 to 15 percent slopes	0.002	0.062
Steele City	MT	McCone	131.793	131.873	0.080	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.000	0.055
Steele City	MT	McCone	131.873	131.942	0.069	MT055	Shambo-Cambert loams, 2 to 8 percent slopes	0.000	0.002
Steele City	MT	McCone	131.942	132.044	0.102	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.091
Steele City	MT	McCone	132.044	132.170	0.126	MT055	Shambo-Cambert loams, 2 to 8 percent slopes	0.000	0.004
Steele City	MT	McCone	132.170	132.300	0.130	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.004
Steele City	MT	McCone	132.345	132.373	0.027	MT055	Cabba loam, 15 to 25 percent slopes	0.000	0.026
Steele City	MT	McCone	132.477	132.663	0.185	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.006
Steele City	MT	McCone	133.713	133.771	0.058	MT055	Barkof silty clay, 2 to 8 percent slopes	0.000	0.002
Steele City	MT	McCone	134.047	134.289	0.241	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.007
Steele City	MT	McCone	134.377	134.427	0.050	MT055	Typic Ustorthents-Typic Ustifluvents association	0.000	0.002
Steele City	MT	McCone	134.673	134.842	0.169	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.005
Steele City	MT	McCone	134.963	135.015	0.052	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.002
Steele City	MT	McCone	135.015	135.097	0.081	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.072
Steele City	MT	McCone	135.097	135.247	0.150	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.005
Steele City	MT	McCone	135.266	135.334	0.068	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.002
Steele City	MT	McCone	135.372	135.436	0.063	MT055	Typic Ustorthents-Typic Ustifluvents association	0.000	0.002
Steele City	MT	McCone	135.436	135.726	0.290	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.009
Steele City	MT	McCone	135.726	135.986	0.260	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.000	0.179
Steele City	MT	McCone	135.986	136.109	0.123	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.004
Steele City	MT	McCone	136.225	136.292	0.067	MT055	Typic Ustorthents-Typic Ustifluvents association	0.000	0.002
Steele City	MT	McCone	136.292	136.458	0.166	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.005
Steele City	MT	McCone	136.458	136.649	0.191	MT055	Cambert-Barkof-Cabba complex, 4 to 15 percent slopes	0.000	0.172
Steele City	MT	McCone	136.649	136.817	0.168	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.005
Steele City	MT	McCone	136.817	136.953	0.136	MT055	Cambert-Barkof-Cabba complex, 4 to 15 percent slopes	0.000	0.122
Steele City	MT	McCone	136.953	137.029	0.076	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.002
Steele City	MT	McCone	137.204	137.252	0.047	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	McCone	137.384	137.637	0.253	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.008
Steele City	MT	McCone	137.637	138.012	0.375	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.000	0.259
Steele City	MT	McCone	138.268	138.354	0.085	MT055	Typic Ustorthents-Typic Ustifluvents association	0.000	0.003
Steele City	MT	McCone	138.420	138.498	0.078	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.000	0.054
Steele City	MT	McCone	138.632	138.705	0.073	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.000	0.050
Steele City	MT	McCone	138.796	138.852	0.056	MT055	Typic Ustorthents-Typic Ustifluvents association	0.000	0.002
Steele City	MT	McCone	139.061	139.215	0.154	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.137
Steele City	MT	McCone	139.215	139.302	0.087	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.003
Steele City	MT	McCone	139.356	139.404	0.048	MT055	Typic Ustorthents-Typic Ustifluvents association	0.000	0.001
Steele City	MT	McCone	139.554	139.663	0.109	MT055	Dast-Blanchard complex, 2 to 8 percent slopes	0.038	0.003
Steele City	MT	McCone	139.663	139.711	0.048	MT055	Dast fine sandy loam, 8 to 15 percent slopes	0.000	0.003
Steele City	MT	McCone	139.759	139.873	0.114	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.101
Steele City	MT	McCone	140.053	140.234	0.182	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.000	0.125
Steele City	MT	McCone	140.234	140.346	0.111	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.003
Steele City	MT	McCone	140.346	140.377	0.032	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.028
Steele City	MT	McCone	140.407	140.431	0.024	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	McCone	140.478	140.600	0.122	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.108
Steele City	MT	McCone	140.728	140.899	0.171	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.000	0.118
Steele City	MT	McCone	141.007	141.284	0.277	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.247
Steele City	MT	McCone	141.309	141.490	0.182	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.162
Steele City	MT	McCone	142.206	142.363	0.157	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.005

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	MT	McCone	142.417	142.473	0.056	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.002
Steele City	MT	McCone	142.829	142.894	0.065	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.058
Steele City	MT	McCone	142.941	143.026	0.086	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.076
Steele City	MT	McCone	143.442	143.537	0.095	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.085
Steele City	MT	McCone	143.723	143.889	0.166	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.005
Steele City	MT	McCone	144.112	144.372	0.260	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.008
Steele City	MT	McCone	145.582	145.677	0.095	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	0.000	0.089
Steele City	MT	McCone	145.825	146.020	0.195	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	0.000	0.183
Steele City	MT	McCone	146.020	146.144	0.124	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.110
Steele City	MT	McCone	146.527	146.597	0.069	MT055	Typic Fluvaquents, frequently flooded	0.002	0.000
Steele City	MT	McCone	148.379	148.674	0.295	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.262
Steele City	MT	McCone	148.925	149.151	0.226	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.000	0.156
Steele City	MT	McCone	149.355	149.550	0.195	MT055	Macar loam, 4 to 8 percent slopes	0.000	0.006
Steele City	MT	McCone	149.550	149.717	0.166	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	0.000	0.156
Steele City	MT	McCone	149.717	149.771	0.055	MT055	Shambo loam, 4 to 8 percent slopes	0.000	0.002
Steele City	MT	McCone	150.190	150.453	0.264	MT055	Shambo loam, 4 to 8 percent slopes	0.000	0.011
Steele City	MT	McCone	150.453	150.488	0.034	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.000	0.024
Steele City	MT	McCone	150.490	150.569	0.079	MT055	Typic Fluvaquents, saline	0.000	0.001
Steele City	MT	McCone	151.316	151.359	0.044	MT055	Typic Ustorthents-Typic Ustifluvents association	0.000	0.001
Steele City	MT	McCone	152.033	152.300	0.267	MT055	Macar loam, 4 to 8 percent slopes	0.000	0.008
Steele City	MT	McCone	152.326	152.397	0.071	MT055	Macar loam, 4 to 8 percent slopes	0.000	0.002
Steele City	MT	McCone	152.397	152.435	0.037	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.033
Steele City	MT	McCone	153.140	153.196	0.056	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	0.000	0.053
Steele City	MT	McCone	153.225	153.278	0.053	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	0.000	0.049
Steele City	MT	McCone	153.323	153.348	0.025	MT055	Cabba-Badland complex, 15 to 45 percent slopes	0.000	0.016
Steele City	MT	McCone	153.348	153.683	0.335	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.298
Steele City	MT	McCone	153.683	153.723	0.039	MT055	Macar loam, 8 to 15 percent slopes	0.000	0.038
Steele City	MT	McCone	153.723	154.159	0.437	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.013
Steele City	MT	McCone	154.159	154.355	0.195	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.174
Steele City	MT	McCone	154.355	154.499	0.144	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.000	0.004
Steele City	MT	McCone	154.499	154.807	0.308	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.274
Steele City	MT	McCone	154.807	154.971	0.164	MT055	Cabba-Barkof complex, 15 to 45 percent slopes	0.000	0.159
Steele City	MT	McCone	154.971	155.088	0.117	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.000	0.104
Steele City	MT	McCone	155.088	155.124	0.037	MT055	Shambo-Cambert loams, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	McCone	155.124	155.631	0.507	MT055	Cabba-Barkof complex, 15 to 45 percent slopes	0.000	0.492
Steele City	MT	McCone	155.631	156.045	0.414	MT055	Macar loam, 4 to 8 percent slopes	0.000	0.012
Steele City	MT	McCone	156.045	156.259	0.214	MT055	Dast-Blanchard complex, 8 to 25 percent slopes	0.075	0.188
Steele City	MT	McCone	156.324	156.348	0.025	MT055	Cabba-Dast complex, 15 to 45 percent slopes	0.000	0.023
Steele City	MT	Dawson	156.348	156.424	0.076	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	0.027	0.069
Steele City	MT	Dawson	156.424	156.615	0.190	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	0.067	0.185
Steele City	MT	Dawson	156.615	156.729	0.115	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.003	0.000
Steele City	MT	Dawson	156.729	156.749	0.020	MT021	Terrace escarpments	0.000	0.020
Steele City	MT	Dawson	156.878	156.915	0.037	MT021	Kremlin loam, 4 to 8 percent slopes	0.000	0.001
Steele City	MT	Dawson	157.649	157.718	0.070	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.066
Steele City	MT	Dawson	157.718	157.882	0.163	MT021	Twilight-Yetull complex, 2 to 8 percent slopes	0.057	0.000
Steele City	MT	Dawson	157.882	157.968	0.086	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	0.030	0.084
Steele City	MT	Dawson	157.968	158.265	0.297	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.009	0.000
Steele City	MT	Dawson	158.265	158.524	0.259	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	0.091	0.233
Steele City	MT	Dawson	158.640	158.728	0.088	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.000	0.088
Steele City	MT	Dawson	158.899	159.027	0.127	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.001	0.076
Steele City	MT	Dawson	159.027	159.188	0.161	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	0.056	0.156
Steele City	MT	Dawson	159.188	159.207	0.019	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.000	0.011
Steele City	MT	Dawson	159.207	159.262	0.055	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.002	0.000
Steele City	MT	Dawson	159.262	159.309	0.048	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.000	0.029
Steele City	MT	Dawson	159.309	159.650	0.341	MT021	Twilight-Yetull complex, 2 to 8 percent slopes	0.119	0.000
Steele City	MT	Dawson	159.650	159.708	0.058	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.002	0.000
Steele City	MT	Dawson	160.208	160.299	0.091	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	0.004	0.091
Steele City	MT	Dawson	160.502	160.657	0.155	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.147
Steele City	MT	Dawson	160.657	160.976	0.319	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	0.013	0.319
Steele City	MT	Dawson	160.976	161.062	0.086	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.001	0.052
Steele City	MT	Dawson	161.062	161.091	0.029	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.028
Steele City	MT	Dawson	161.091	161.126	0.035	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.000	0.021
Steele City	MT	Dawson	161.126	161.262	0.136	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.129
Steele City	MT	Dawson	161.627	161.702	0.076	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	0.003	0.076
Steele City	MT	Dawson	161.969	162.057	0.088	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.000	0.088
Steele City	MT	Dawson	162.432	162.506	0.074	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.000	0.074
Steele City	MT	Dawson	162.666	162.764	0.098	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.000	0.098
Steele City	MT	Dawson	163.085	163.100	0.015	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.000	0.015
Steele City	MT	Dawson	163.100	163.211	0.111	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.003	0.000
Steele City	MT	Dawson	163.536	163.676	0.140	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.133
Steele City	MT	Dawson	164.248	164.382	0.134	MT021	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.123
Steele City	MT	Dawson	164.475	164.537	0.062	MT021	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.057
Steele City	MT	Dawson	165.187	165.264	0.077	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.073

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	MT	Dawson	166.099	166.333	0.234	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.007	0.000
Steele City	MT	Dawson	166.333	166.360	0.026	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.025
Steele City	MT	Dawson	166.360	166.409	0.050	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.001	0.000
Steele City	MT	Dawson	166.409	166.680	0.271	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.258
Steele City	MT	Dawson	168.439	168.702	0.263	MT021	Subwell-Bigsheep complex, 4 to 15 percent slopes	0.000	0.100
Steele City	MT	Dawson	169.787	169.829	0.042	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.040
Steele City	MT	Dawson	169.869	170.026	0.157	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.149
Steele City	MT	Dawson	172.642	172.745	0.104	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.099
Steele City	MT	Dawson	174.224	174.275	0.051	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.048
Steele City	MT	Dawson	174.296	174.346	0.050	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.047
Steele City	MT	Dawson	174.427	174.581	0.154	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.146
Steele City	MT	Dawson	175.180	175.359	0.179	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.005	0.000
Steele City	MT	Dawson	175.615	175.621	0.006	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.000	0.000
Steele City	MT	Dawson	176.386	176.417	0.030	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.029
Steele City	MT	Dawson	176.477	176.893	0.416	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.395
Steele City	MT	Dawson	177.231	177.333	0.101	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.001	0.061
Steele City	MT	Dawson	178.056	178.139	0.083	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.079
Steele City	MT	Dawson	178.922	178.956	0.034	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.032
Steele City	MT	Dawson	178.956	179.028	0.071	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.000	0.071
Steele City	MT	Dawson	179.028	179.055	0.028	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.026
Steele City	MT	Dawson	179.055	179.639	0.584	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.000	0.584
Steele City	MT	Dawson	180.296	180.592	0.295	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.280
Steele City	MT	Dawson	180.592	180.938	0.346	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.000	0.346
Steele City	MT	Dawson	180.938	181.573	0.635	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.032	0.571
Steele City	MT	Dawson	181.584	182.056	0.472	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.024	0.425
Steele City	MT	Dawson	182.056	182.175	0.119	MT021	Kremlin loam, 4 to 8 percent slopes	0.000	0.005
Steele City	MT	Dawson	182.212	182.342	0.129	MT021	Kremlin loam, 4 to 8 percent slopes	0.000	0.005
Steele City	MT	Dawson	183.606	183.706	0.099	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.003	0.000
Steele City	MT	Dawson	183.734	183.873	0.139	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.004	0.000
Steele City	MT	Dawson	183.996	184.067	0.071	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.002	0.000
Steele City	MT	Dawson	184.639	185.103	0.464	MT021	Attewan, thin solum complex, 4 to 15 percent slopes	0.000	0.037
Steele City	MT	Dawson	185.103	185.562	0.459	MT021	Subwell-Bigsheep complex, 4 to 15 percent slopes	0.000	0.174
Steele City	MT	Dawson	185.706	185.828	0.123	MT021	Subwell-Bigsheep complex, 4 to 15 percent slopes	0.000	0.047
Steele City	MT	Dawson	186.005	186.253	0.249	MT021	Kremlin loam, 4 to 8 percent slopes	0.000	0.010
Steele City	MT	Dawson	187.275	187.341	0.066	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.003	0.060
Steele City	MT	Dawson	187.710	187.820	0.110	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.006	0.099
Steele City	MT	Dawson	187.820	187.864	0.043	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.001	0.000
Steele City	MT	Dawson	188.070	188.198	0.128	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.004	0.000
Steele City	MT	Dawson	188.265	188.340	0.074	MT021	Kremlin loam, 4 to 8 percent slopes	0.000	0.003
Steele City	MT	Dawson	188.449	188.515	0.066	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.002	0.000
Steele City	MT	Dawson	189.183	189.293	0.110	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.003	0.000
Steele City	MT	Dawson	189.406	189.461	0.054	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.002	0.000
Steele City	MT	Dawson	189.611	189.790	0.179	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.005	0.000
Steele City	MT	Dawson	189.832	189.914	0.081	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.002	0.000
Steele City	MT	Dawson	190.862	191.407	0.545	MT021	Kremlin loam, 4 to 8 percent slopes	0.000	0.022
Steele City	MT	Dawson	192.038	192.651	0.612	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.031	0.551
Steele City	MT	Dawson	192.651	192.767	0.116	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	0.040	0.104
Steele City	MT	Dawson	192.767	192.844	0.078	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	0.027	0.075
Steele City	MT	Dawson	192.844	192.850	0.005	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	0.002	0.005
Steele City	MT	Dawson	192.850	192.898	0.049	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	0.017	0.047
Steele City	MT	Dawson	192.898	192.945	0.047	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	0.016	0.042
Steele City	MT	Dawson	192.945	193.157	0.212	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	0.074	0.205
Steele City	MT	Dawson	193.157	193.206	0.049	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	0.017	0.044
Steele City	MT	Dawson	193.206	193.573	0.367	MT021	Twilight-Yetull complex, 2 to 8 percent slopes	0.129	0.000
Steele City	MT	Dawson	193.573	193.659	0.085	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.004	0.077
Steele City	MT	Dawson	194.262	194.552	0.290	MT021	Glendive fine sandy loam, 0 to 2 percent slopes, occasionally flooded	0.012	0.000
Steele City	MT	Dawson	194.552	194.653	0.102	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.000	0.102
Steele City	MT	Dawson	194.653	194.751	0.098	MT021	Terrace escarpments	0.000	0.098
Steele City	MT	Dawson	195.643	195.682	0.040	MT021	Hanly soils, 0 to 4 percent slopes, occasionally flooded	0.012	0.000
Steele City	MT	Dawson	195.721	195.910	0.189	MT021	Hanly soils, 0 to 4 percent slopes, occasionally flooded	0.057	0.000
Steele City	MT	Dawson	195.910	195.936	0.026	MT021	Riverwash	0.001	0.000
Steele City	MT	Dawson	196.052	196.215	0.163	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	0.007	0.163
Steele City	MT	Dawson	196.290	196.356	0.066	MT021	Lonna silt loam, 2 to 8 percent slopes	0.000	0.004
Steele City	MT	Dawson	196.356	196.477	0.121	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	0.005	0.121
Steele City	MT	Dawson	196.477	196.779	0.302	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.003	0.181
Steele City	MT	Dawson	196.779	197.009	0.231	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.012	0.208
Steele City	MT	Prairie	197.009	197.040	0.030	MT079	Lihen-Tinsley complex, 8 to 35 percent slopes	0.015	0.027
Steele City	MT	Prairie	197.040	197.082	0.043	MT079	Lihen loamy sand, 4 to 15 percent slopes	0.036	0.000
Steele City	MT	Prairie	197.082	197.147	0.065	MT079	Lihen-Yetull complex, 8 to 35 percent slopes	0.055	0.059
Steele City	MT	Prairie	197.147	197.374	0.227	MT079	Lihen loamy sand, 4 to 15 percent slopes	0.193	0.000
Steele City	MT	Prairie	197.374	197.536	0.162	MT079	Lihen-Yetull complex, 8 to 35 percent slopes	0.138	0.146
Steele City	MT	Prairie	197.631	197.648	0.017	MT079	Lihen-Yetull complex, 8 to 35 percent slopes	0.014	0.015

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	MT	Prairie	197.890	198.046	0.156	MT079	Lihen-Parshall-Yetull complex, 4 to 15 percent slopes	0.086	0.000
Steele City	MT	Prairie	198.046	198.134	0.088	MT079	Lihen-Yetull complex, 8 to 35 percent slopes	0.075	0.079
Steele City	MT	Prairie	198.134	198.248	0.114	MT079	Lihen-Parshall-Yetull complex, 4 to 15 percent slopes	0.063	0.000
Steele City	MT	Prairie	198.314	198.353	0.039	MT079	Lihen-Yetull complex, 8 to 35 percent slopes	0.033	0.035
Steele City	MT	Prairie	199.470	199.606	0.136	MT079	Lihen loamy sand, 4 to 15 percent slopes	0.115	0.000
Steele City	MT	Prairie	199.606	199.762	0.156	MT079	Lihen-Tinsley complex, 8 to 35 percent slopes	0.078	0.141
Steele City	MT	Prairie	199.762	199.999	0.236	MT079	Busby-Twilight-Blackhall fine sandy loams, 4 to 15 percent slopes	0.012	0.118
Steele City	MT	Prairie	200.553	200.586	0.033	MT079	Lihen loamy sand, 4 to 15 percent slopes	0.028	0.000
Steele City	MT	Prairie	200.925	200.950	0.025	MT079	Yawdim-Cambeth, calcareous, complex, 2 to 8 percent slopes	0.000	0.002
Steele City	MT	Prairie	201.081	201.254	0.173	MT079	Lihen-Parshall-Yetull complex, 4 to 15 percent slopes	0.095	0.000
Steele City	MT	Prairie	201.408	201.481	0.074	MT079	Glendive fine sandy loam, 0 to 2 percent slopes	0.003	0.000
Steele City	MT	Prairie	201.719	201.908	0.189	MT079	Busby fine sandy loam, 2 to 8 percent slopes	0.009	0.000
Steele City	MT	Prairie	201.954	202.306	0.352	MT079	Glendive fine sandy loam, 0 to 2 percent slopes	0.014	0.000
Steele City	MT	Prairie	202.373	202.534	0.161	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.010
Steele City	MT	Prairie	202.560	202.687	0.127	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.008
Steele City	MT	Prairie	203.203	203.783	0.580	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.035
Steele City	MT	Prairie	203.783	204.076	0.293	MT079	Busby-Twilight-Blackhall fine sandy loams, 4 to 15 percent slopes	0.015	0.147
Steele City	MT	Prairie	204.076	204.239	0.162	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.154
Steele City	MT	Prairie	204.278	204.688	0.410	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.025
Steele City	MT	Prairie	204.688	204.806	0.118	MT079	Delpoint-Busby-Blackhall complex, 4 to 15 percent slopes	0.006	0.082
Steele City	MT	Prairie	205.075	205.191	0.116	MT079	Chinook-Twilight-Blackhall fine sandy loams, 8 to 15 percent slopes	0.000	0.009
Steele City	MT	Prairie	205.563	205.588	0.025	MT079	Parshall fine sandy loam, 2 to 6 percent slopes	0.001	0.000
Steele City	MT	Prairie	205.989	206.210	0.221	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.210
Steele City	MT	Prairie	206.210	206.262	0.053	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.003
Steele City	MT	Prairie	206.262	206.527	0.264	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.251
Steele City	MT	Prairie	206.527	206.595	0.068	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.004
Steele City	MT	Prairie	206.595	206.665	0.070	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.066
Steele City	MT	Prairie	206.665	206.820	0.156	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.143
Steele City	MT	Prairie	206.820	206.945	0.124	MT079	Cambeth, calcareous-Cabbart-Yawdim complex, 4 to 25 percent slopes	0.000	0.121
Steele City	MT	Prairie	206.945	207.398	0.453	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.417
Steele City	MT	Prairie	207.398	207.679	0.281	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.267
Steele City	MT	Prairie	207.679	207.746	0.067	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.004
Steele City	MT	Prairie	207.746	207.920	0.174	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.165
Steele City	MT	Prairie	207.920	207.932	0.012	MT079	Ustic Torriorthents-Ustic Torrifluvents-Rock outcrop complex, 0 to 35 percent slopes	0.000	0.001
Steele City	MT	Prairie	208.034	208.158	0.124	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.114
Steele City	MT	Prairie	208.158	208.377	0.219	MT079	Chinook-Twilight-Blackhall fine sandy loams, 8 to 15 percent slopes	0.000	0.018
Steele City	MT	Prairie	208.377	208.537	0.160	MT079	Chinook-Twilight fine sandy loams, 2 to 8 percent slopes	0.000	0.006
Steele City	MT	Prairie	208.537	208.613	0.077	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.005
Steele City	MT	Prairie	208.613	208.668	0.055	MT079	Chinook-Twilight-Blackhall fine sandy loams, 8 to 15 percent slopes	0.000	0.004
Steele City	MT	Prairie	208.668	208.900	0.231	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.014
Steele City	MT	Prairie	208.922	208.976	0.054	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.003
Steele City	MT	Prairie	209.069	209.189	0.119	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.110
Steele City	MT	Prairie	209.189	209.297	0.108	MT079	Cambeth, calcareous-Cabbart-Yawdim complex, 4 to 25 percent slopes	0.000	0.105
Steele City	MT	Prairie	209.297	209.553	0.256	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.235
Steele City	MT	Prairie	209.553	209.892	0.339	MT079	Cambeth, calcareous-Cabbart-Yawdim complex, 4 to 25 percent slopes	0.000	0.329
Steele City	MT	Prairie	209.892	210.179	0.287	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.000	0.253
Steele City	MT	Prairie	210.179	210.475	0.296	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.281
Steele City	MT	Prairie	210.475	210.868	0.393	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.000	0.346
Steele City	MT	Prairie	210.868	210.924	0.057	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.052
Steele City	MT	Prairie	210.924	211.058	0.134	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.000	0.118
Steele City	MT	Prairie	211.058	211.135	0.076	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.073
Steele City	MT	Prairie	211.135	211.218	0.083	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.000	0.073
Steele City	MT	Prairie	211.218	211.269	0.051	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.049
Steele City	MT	Prairie	211.269	211.345	0.076	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.000	0.067
Steele City	MT	Prairie	211.345	211.844	0.500	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.460
Steele City	MT	Prairie	211.844	212.056	0.212	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.201
Steele City	MT	Prairie	212.056	212.265	0.208	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.192
Steele City	MT	Prairie	212.265	212.319	0.055	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.052
Steele City	MT	Prairie	212.319	212.447	0.128	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.117
Steele City	MT	Prairie	212.447	213.050	0.603	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.573
Steele City	MT	Prairie	213.050	213.245	0.195	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.000	0.172
Steele City	MT	Prairie	213.245	213.621	0.377	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.358
Steele City	MT	Prairie	213.621	213.936	0.315	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.290

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	MT	Prairie	213.936	213.966	0.029	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.028
Steele City	MT	Prairie	213.966	214.217	0.252	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.231
Steele City	MT	Prairie	214.217	214.337	0.120	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.114
Steele City	MT	Prairie	214.337	214.382	0.046	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.042
Steele City	MT	Prairie	214.382	214.455	0.073	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.069
Steele City	MT	Prairie	214.455	214.553	0.098	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.090
Steele City	MT	Prairie	214.907	215.007	0.100	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.092
Steele City	MT	Prairie	215.007	215.852	0.845	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.803
Steele City	MT	Prairie	215.852	216.148	0.296	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.018
Steele City	MT	Prairie	216.148	216.270	0.122	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.112
Steele City	MT	Prairie	216.270	216.347	0.077	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.005
Steele City	MT	Prairie	216.347	216.468	0.121	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.115
Steele City	MT	Prairie	216.468	216.606	0.138	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.127
Steele City	MT	Prairie	216.606	217.096	0.490	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.466
Steele City	MT	Prairie	217.096	217.297	0.201	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.185
Steele City	MT	Prairie	217.297	217.367	0.070	MT079	Lonna silt loam, 2 to 8 percent slopes	0.000	0.004
Steele City	MT	Prairie	217.367	217.635	0.268	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.000	0.247
Steele City	MT	Prairie	217.635	217.832	0.196	MT079	Cambeth, calcareous-Cabbart-Lonna silt loams, 15 to 35 percent slopes	0.000	0.187
Steele City	MT	Prairie	217.832	217.908	0.076	MT079	Cabbart-Rock outcrop-Yawdim complex, 15 to 70 percent slopes	0.000	0.053
Steele City	MT	Prairie	217.908	218.143	0.235	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.223
Steele City	MT	Fallon	218.143	218.317	0.174	MT025	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.167
Steele City	MT	Fallon	218.317	218.403	0.087	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.066
Steele City	MT	Fallon	218.403	218.444	0.040	MT025	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.039
Steele City	MT	Fallon	218.444	218.596	0.152	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.115
Steele City	MT	Fallon	218.596	218.643	0.047	MT025	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.046
Steele City	MT	Fallon	219.205	219.885	0.680	MT025	Kremlin loam, 2 to 8 percent slopes	0.000	0.020
Steele City	MT	Fallon	219.885	219.955	0.070	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.000	0.064
Steele City	MT	Fallon	219.955	220.041	0.086	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.065
Steele City	MT	Fallon	220.041	220.221	0.180	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.000	0.164
Steele City	MT	Fallon	220.221	220.663	0.442	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.336
Steele City	MT	Fallon	220.663	220.844	0.181	MT025	Yamacall loam, 8 to 15 percent slopes	0.000	0.174
Steele City	MT	Fallon	220.844	221.394	0.550	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.511
Steele City	MT	Fallon	221.394	221.663	0.269	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.000	0.245
Steele City	MT	Fallon	221.663	221.858	0.195	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.000	0.004
Steele City	MT	Fallon	221.858	221.971	0.113	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.110
Steele City	MT	Fallon	221.971	222.057	0.086	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.000	0.002
Steele City	MT	Fallon	222.173	222.286	0.113	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.003
Steele City	MT	Fallon	222.286	222.341	0.055	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.000	0.050
Steele City	MT	Fallon	222.341	222.407	0.066	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.002
Steele City	MT	Fallon	222.407	222.440	0.033	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.000	0.030
Steele City	MT	Fallon	222.440	222.527	0.086	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.003
Steele City	MT	Fallon	222.527	223.145	0.618	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.000	0.563
Steele City	MT	Fallon	223.318	223.478	0.161	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.149
Steele City	MT	Fallon	223.478	223.522	0.044	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.000	0.040
Steele City	MT	Fallon	223.522	223.566	0.044	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.041
Steele City	MT	Fallon	223.566	223.652	0.086	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.000	0.078
Steele City	MT	Fallon	223.652	223.732	0.080	MT025	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.077
Steele City	MT	Fallon	223.732	224.057	0.325	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.302
Steele City	MT	Fallon	224.057	224.148	0.091	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.000	0.006
Steele City	MT	Fallon	224.148	224.242	0.093	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.091
Steele City	MT	Fallon	224.242	224.365	0.124	MT025	Yamacall loam, 8 to 15 percent slopes	0.000	0.119
Steele City	MT	Fallon	224.365	224.558	0.193	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.147
Steele City	MT	Fallon	224.558	224.796	0.238	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.221
Steele City	MT	Fallon	224.796	224.856	0.060	MT025	Orinoco-Yawdim silty clay loams, 4 to 15 percent slopes	0.000	0.058
Steele City	MT	Fallon	224.856	224.866	0.010	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.009
Steele City	MT	Fallon	224.939	224.958	0.018	MT025	Orinoco-Yawdim silty clay loams, 4 to 15 percent slopes	0.000	0.018
Steele City	MT	Fallon	224.958	225.137	0.179	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.167
Steele City	MT	Fallon	225.137	225.204	0.067	MT025	Kremlin loam, 2 to 8 percent slopes	0.000	0.002
Steele City	MT	Fallon	225.204	225.271	0.067	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.062
Steele City	MT	Fallon	225.757	225.950	0.192	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.179
Steele City	MT	Fallon	226.051	226.173	0.122	MT025	Kremlin loam, 2 to 8 percent slopes	0.000	0.004
Steele City	MT	Fallon	226.173	226.232	0.058	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.056
Steele City	MT	Fallon	226.232	226.281	0.050	MT025	Kremlin loam, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Fallon	226.342	226.440	0.097	MT025	Delpoint loam, 2 to 8 percent slopes	0.000	0.006
Steele City	MT	Fallon	227.283	227.816	0.533	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.016
Steele City	MT	Fallon	227.816	227.936	0.120	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.112
Steele City	MT	Fallon	227.936	227.972	0.036	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.027
Steele City	MT	Fallon	227.972	228.000	0.028	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.026
Steele City	MT	Fallon	228.000	228.038	0.038	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Fallon	228.038	228.076	0.038	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.035

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	MT	Fallon	228.076	228.234	0.158	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.005
Steele City	MT	Fallon	228.234	228.305	0.071	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.066
Steele City	MT	Fallon	228.305	228.533	0.228	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.007
Steele City	MT	Fallon	228.533	228.585	0.052	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.000	0.049
Steele City	MT	Fallon	228.870	228.916	0.046	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.043
Steele City	MT	Fallon	228.935	229.500	0.565	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.000	0.040
Steele City	MT	Fallon	229.500	229.626	0.127	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.000	0.120
Steele City	MT	Fallon	229.738	229.954	0.215	MT025	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.000	0.207
Steele City	MT	Fallon	229.954	230.155	0.201	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.195
Steele City	MT	Fallon	230.209	230.393	0.185	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.179
Steele City	MT	Fallon	230.473	230.531	0.058	MT025	Cabbart silt loam, 4 to 15 percent slopes	0.000	0.053
Steele City	MT	Fallon	230.601	230.899	0.298	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.226
Steele City	MT	Fallon	230.975	231.393	0.418	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.318
Steele City	MT	Fallon	231.393	231.633	0.240	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.232
Steele City	MT	Fallon	231.633	231.798	0.165	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.000	0.012
Steele City	MT	Fallon	231.798	231.974	0.176	MT025	Kremlin loam, 2 to 8 percent slopes	0.000	0.005
Steele City	MT	Fallon	232.071	232.708	0.637	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.019
Steele City	MT	Fallon	234.832	234.910	0.078	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Fallon	234.979	235.131	0.153	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	0.000	0.002
Steele City	MT	Fallon	235.131	235.337	0.205	MT025	Yamacall-Busby-Blacksheep complex, 4 to 15 percent slopes	0.000	0.158
Steele City	MT	Fallon	235.476	235.535	0.060	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Fallon	235.637	235.729	0.093	MT025	Cambeth silt loam, 2 to 8 percent slopes	0.000	0.003
Steele City	MT	Fallon	235.980	236.089	0.108	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.105
Steele City	MT	Fallon	236.201	236.260	0.059	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.057
Steele City	MT	Fallon	236.260	236.503	0.243	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.000	0.224
Steele City	MT	Fallon	236.551	236.722	0.172	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.005
Steele City	MT	Fallon	236.998	237.231	0.232	MT025	Kremlin loam, 2 to 8 percent slopes	0.000	0.007
Steele City	MT	Fallon	237.419	237.489	0.069	MT025	Twilight fine sandy loam, 8 to 15 percent slopes	0.000	0.004
Steele City	MT	Fallon	238.275	238.405	0.130	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.125
Steele City	MT	Fallon	238.507	238.585	0.078	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.076
Steele City	MT	Fallon	238.585	238.679	0.094	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.000	0.086
Steele City	MT	Fallon	238.679	238.759	0.081	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.000	0.002
Steele City	MT	Fallon	238.759	238.818	0.059	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.000	0.054
Steele City	MT	Fallon	238.818	238.839	0.021	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Fallon	238.839	238.886	0.047	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.000	0.043
Steele City	MT	Fallon	239.047	239.318	0.271	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.000	0.008
Steele City	MT	Fallon	239.449	239.633	0.184	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.000	0.006
Steele City	MT	Fallon	239.732	239.961	0.229	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.000	0.007
Steele City	MT	Fallon	239.961	240.193	0.232	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.000	0.016
Steele City	MT	Fallon	240.193	240.260	0.067	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.000	0.002
Steele City	MT	Fallon	240.260	240.531	0.271	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.000	0.019
Steele City	MT	Fallon	240.531	240.571	0.040	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.038
Steele City	MT	Fallon	240.783	240.831	0.049	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.047
Steele City	MT	Fallon	240.831	241.218	0.387	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.000	0.356
Steele City	MT	Fallon	241.218	241.435	0.216	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.000	0.015
Steele City	MT	Fallon	241.435	241.450	0.016	MT025	Blacksheep-Rock outcrop complex, 25 to 50 percent	0.000	0.011
Steele City	MT	Fallon	241.450	241.758	0.308	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.000	0.022
Steele City	MT	Fallon	241.758	241.933	0.175	MT025	Bonfri loam, 8 to 15 percent slopes	0.000	0.165
Steele City	MT	Fallon	242.978	243.043	0.065	MT025	Neldore-Bascovy clays, 4 to 15 percent slopes	0.000	0.064
Steele City	MT	Fallon	243.189	243.487	0.298	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.289
Steele City	MT	Fallon	243.576	243.628	0.051	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.048
Steele City	MT	Fallon	243.628	243.893	0.265	MT025	Bascovy clay, 2 to 8 percent slopes	0.000	0.008
Steele City	MT	Fallon	243.893	244.083	0.189	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.006
Steele City	MT	Fallon	244.335	244.662	0.327	MT025	Bonfri loam, 2 to 8 percent slopes	0.000	0.003
Steele City	MT	Fallon	244.662	244.728	0.066	MT025	Bonfri-Cambeth complex, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Fallon	244.728	244.862	0.134	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.004
Steele City	MT	Fallon	244.862	245.398	0.536	MT025	Bonfri-Cambeth complex, 2 to 8 percent slopes	0.000	0.005
Steele City	MT	Fallon	245.398	245.474	0.076	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.071
Steele City	MT	Fallon	245.474	245.588	0.114	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.003
Steele City	MT	Fallon	245.588	245.666	0.078	MT025	Bonfri loam, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Fallon	245.666	246.111	0.445	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.013
Steele City	MT	Fallon	246.772	247.326	0.554	MT025	Bonfri-Cambeth complex, 2 to 8 percent slopes	0.000	0.006
Steele City	MT	Fallon	247.326	247.402	0.076	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.000	0.072
Steele City	MT	Fallon	247.402	247.443	0.041	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Fallon	247.443	247.667	0.224	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.209
Steele City	MT	Fallon	247.667	247.791	0.123	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.094
Steele City	MT	Fallon	248.107	248.327	0.220	MT025	Tanna-Ethridge silty clay loams, 8 to 15 percent slopes	0.000	0.200
Steele City	MT	Fallon	248.327	248.405	0.078	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.060
Steele City	MT	Fallon	248.405	248.673	0.268	MT025	Tanna-Ethridge silty clay loams, 8 to 15 percent slopes	0.000	0.244
Steele City	MT	Fallon	248.673	248.800	0.127	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.096
Steele City	MT	Fallon	248.800	249.185	0.385	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.358
Steele City	MT	Fallon	249.185	249.521	0.336	MT025	Bonfri loam, 2 to 8 percent slopes	0.000	0.003

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	MT	Fallon	249.521	249.586	0.064	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.061
Steele City	MT	Fallon	249.586	249.689	0.103	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.000	0.098
Steele City	MT	Fallon	249.689	249.712	0.023	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.022
Steele City	MT	Fallon	249.712	249.722	0.010	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.000	0.010
Steele City	MT	Fallon	249.722	249.729	0.007	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.006
Steele City	MT	Fallon	249.729	249.729	0.001	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.000	0.001
Steele City	MT	Fallon	249.729	249.896	0.167	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.157
Steele City	MT	Fallon	250.039	250.123	0.083	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.000	0.079
Steele City	MT	Fallon	250.123	250.227	0.104	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.098
Steele City	MT	Fallon	250.306	250.401	0.095	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.089
Steele City	MT	Fallon	250.713	250.820	0.107	MT025	Bonfri-Cambeth complex, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Fallon	250.820	251.051	0.231	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.175
Steele City	MT	Fallon	251.051	251.129	0.079	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.074
Steele City	MT	Fallon	251.129	251.234	0.104	MT025	Cabbart silt loam, 4 to 15 percent slopes	0.000	0.095
Steele City	MT	Fallon	251.234	251.612	0.378	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.000	0.352
Steele City	MT	Fallon	251.612	251.671	0.059	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.045
Steele City	MT	Fallon	251.983	252.017	0.034	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.032
Steele City	MT	Fallon	252.128	252.213	0.085	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.065
Steele City	MT	Fallon	252.213	252.602	0.389	MT025	Twilight fine sandy loam, 8 to 15 percent slopes	0.000	0.023
Steele City	MT	Fallon	252.602	253.070	0.467	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.439
Steele City	MT	Fallon	253.070	253.118	0.048	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.037
Steele City	MT	Fallon	253.118	253.303	0.185	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.174
Steele City	MT	Fallon	253.303	253.344	0.041	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.031
Steele City	MT	Fallon	253.344	253.465	0.120	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.113
Steele City	MT	Fallon	253.465	254.648	1.184	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.000	0.900
Steele City	MT	Fallon	254.648	254.831	0.182	MT025	Badland	0.000	0.027
Steele City	MT	Fallon	254.831	254.884	0.053	MT025	Yamacall-Delpoint loams, 2 to 8 percent slopes	0.000	0.002
Steele City	MT	Fallon	254.884	255.083	0.199	MT025	Badland	0.000	0.030
Steele City	MT	Fallon	255.160	255.191	0.031	MT025	Badland	0.000	0.005
Steele City	MT	Fallon	255.334	255.466	0.132	MT025	Badland	0.000	0.020
Steele City	MT	Fallon	255.622	255.762	0.140	MT025	Yamacall-Delpoint loams, 2 to 8 percent slopes	0.000	0.004
Steele City	MT	Fallon	255.887	255.978	0.091	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.000	0.084
Steele City	MT	Fallon	256.580	256.713	0.132	MT025	Carfall-Assinniboine complex, 8 to 15 percent slopes	0.000	0.124
Steele City	MT	Fallon	257.834	258.018	0.184	MT025	Carfall-Assinniboine complex, 8 to 15 percent slopes	0.000	0.173
Steele City	MT	Fallon	258.954	259.115	0.162	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.150
Steele City	MT	Fallon	259.115	259.321	0.205	MT025	Twilight-Bonfri complex, 8 to 15 percent slopes	0.000	0.086
Steele City	MT	Fallon	259.509	259.610	0.101	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.097
Steele City	MT	Fallon	259.753	259.900	0.147	MT025	Twilight-Bonfri complex, 8 to 15 percent slopes	0.000	0.062
Steele City	MT	Fallon	260.419	260.626	0.207	MT025	Carfall-Assinniboine complex, 8 to 15 percent slopes	0.000	0.194
Steele City	MT	Fallon	261.274	261.344	0.071	MT025	Eapa-Yamacall loams, 2 to 8 percent slopes	0.000	0.002
Steele City	MT	Fallon	262.711	262.767	0.056	MT025	Yawdim-Blacksheep-Rock outcrop complex, 15 to 45 percent slopes	0.000	0.043
Steele City	MT	Fallon	263.540	263.591	0.051	MT025	Chinook sandy loam, 8 to 15 percent slopes	0.000	0.005
Steele City	MT	Fallon	264.502	264.618	0.115	MT025	Badland	0.000	0.017
Steele City	MT	Fallon	265.019	265.129	0.110	MT025	Badland	0.000	0.017
Steele City	MT	Fallon	265.179	265.611	0.432	MT025	Zeona-Blacksheep-Rock outcrop complex, 4 to 15 percent slopes	0.173	0.048
Steele City	MT	Fallon	266.867	267.043	0.176	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.169
Steele City	MT	Fallon	267.341	267.462	0.121	MT025	Archin, gullied-Delpoint complex, 4 to 15 percent slopes	0.000	0.059
Steele City	MT	Fallon	267.462	267.612	0.150	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.144
Steele City	MT	Fallon	267.837	268.158	0.321	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.308
Steele City	MT	Fallon	268.916	268.945	0.030	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Fallon	268.945	269.163	0.217	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.209
Steele City	MT	Fallon	269.418	269.518	0.099	MT025	Blacksheep-Twilight fine sandy loams, 15 to 45 percent slopes	0.000	0.094
Steele City	MT	Fallon	269.518	269.609	0.091	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.087
Steele City	MT	Fallon	269.612	269.623	0.011	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.010
Steele City	MT	Fallon	269.623	269.734	0.112	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.000	0.003
Steele City	MT	Fallon	269.734	269.815	0.081	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.000	0.074
Steele City	MT	Fallon	269.832	269.885	0.053	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.000	0.049
Steele City	MT	Fallon	269.921	270.025	0.104	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.100
Steele City	MT	Fallon	270.025	270.201	0.176	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.000	0.005
Steele City	MT	Fallon	270.201	270.243	0.042	MT025	Yawdim-Blacksheep-Rock outcrop complex, 15 to 45 percent slopes	0.000	0.032
Steele City	MT	Fallon	270.243	270.293	0.050	MT025	Blacksheep-Twilight fine sandy loams, 15 to 45 percent slopes	0.000	0.047

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	MT	Fallon	270.599	270.680	0.081	MT025	Ynot sandy loam, 8 to 15 percent slopes	0.000	0.010
Steele City	MT	Fallon	270.680	270.866	0.186	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.179
Steele City	MT	Fallon	271.071	271.135	0.064	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000	0.061
Steele City	MT	Fallon	271.776	271.791	0.015	MT025	Badland	0.000	0.002
Steele City	MT	Fallon	272.064	272.204	0.140	MT025	Busby, gullied-Delpoint-Yawdim complex, 8 to 25 percent slopes	0.000	0.134
Steele City	MT	Fallon	272.237	272.435	0.198	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.000	0.014
Steele City	MT	Fallon	273.086	273.144	0.057	MT025	Twilight-Cabbart complex, 8 to 15 percent slopes	0.000	0.026
Steele City	MT	Fallon	273.144	273.286	0.142	MT025	Ynot sandy loam, 8 to 15 percent slopes	0.000	0.017
Steele City	MT	Fallon	273.286	273.346	0.060	MT025	Assinniboine-Ynot complex, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Fallon	273.346	273.421	0.075	MT025	Twilight-Cabbart complex, 8 to 15 percent slopes	0.000	0.034
Steele City	MT	Fallon	273.527	273.624	0.097	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.003
Steele City	MT	Fallon	273.734	273.945	0.211	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.000	0.004
Steele City	MT	Fallon	273.945	274.031	0.086	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.003
Steele City	MT	Fallon	274.031	274.092	0.062	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Fallon	274.092	274.115	0.023	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Fallon	274.115	274.187	0.071	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Fallon	274.187	274.228	0.041	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Fallon	274.228	274.276	0.048	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Fallon	274.276	274.342	0.067	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.002
Steele City	MT	Fallon	274.342	274.662	0.320	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.000	0.301
Steele City	MT	Fallon	275.177	275.244	0.067	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.063
Steele City	MT	Fallon	275.265	275.293	0.029	MT025	Eapa loam, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Fallon	275.377	275.396	0.018	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.017
Steele City	MT	Fallon	275.669	276.200	0.532	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.494
Steele City	MT	Fallon	276.284	276.372	0.089	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.082
Steele City	MT	Fallon	279.196	279.393	0.197	MT025	Busby, gullied-Delpoint-Yawdim complex, 8 to 25 percent slopes	0.000	0.189
Steele City	MT	Fallon	279.637	279.732	0.095	MT025	Eapa-Yamacall loams, 2 to 8 percent slopes	0.000	0.003
Steele City	MT	Fallon	279.732	279.808	0.076	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Fallon	279.808	279.904	0.096	MT025	Eapa-Yamacall loams, 2 to 8 percent slopes	0.000	0.003
Steele City	MT	Fallon	279.904	280.036	0.132	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	0.000	0.001
Steele City	MT	Fallon	280.512	280.691	0.179	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.000	0.173
Steele City	MT	Fallon	281.042	281.102	0.060	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.056
Steele City	MT	Fallon	281.478	281.862	0.384	MT025	Eapa-Yamacall loams, 2 to 8 percent slopes	0.000	0.012
Steele City	MT	Fallon	281.862	281.980	0.118	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.000	0.110
Steele City	MT	Fallon	281.980	282.070	0.090	MT025	Parchin-Bullock complex, 2 to 8 percent slopes	0.000	0.003
Steele City	MT	Fallon	282.176	282.403	0.227	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	0.000	0.002
Steele City	MT	Fallon	282.403	282.465	0.061	MT025	Parchin-Bullock complex, 2 to 8 percent slopes	0.000	0.002
Steele City	SD	Harding	282.518	282.546	0.028	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.011
Steele City	SD	Harding	282.546	282.719	0.173	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.005
Steele City	SD	Harding	282.719	282.809	0.090	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.014
Steele City	SD	Harding	282.809	282.967	0.158	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.016
Steele City	SD	Harding	282.967	283.036	0.068	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.010
Steele City	SD	Harding	283.036	283.112	0.076	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.008
Steele City	SD	Harding	283.112	283.603	0.491	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.196
Steele City	SD	Harding	283.603	283.812	0.209	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.198
Steele City	SD	Harding	283.812	284.039	0.228	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.091
Steele City	SD	Harding	284.039	284.198	0.159	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.005
Steele City	SD	Harding	284.198	284.589	0.390	SD063	Badlands	0.000	0.371
Steele City	SD	Harding	284.589	284.944	0.356	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.011
Steele City	SD	Harding	284.944	284.965	0.021	SD063	Cabbart-Delridge loams, 15 to 40 percent slopes	0.000	0.019
Steele City	SD	Harding	284.965	285.059	0.094	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.003
Steele City	SD	Harding	285.059	285.108	0.049	SD063	Cabbart-Delridge loams, 15 to 40 percent slopes	0.000	0.045
Steele City	SD	Harding	285.108	285.194	0.086	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.003
Steele City	SD	Harding	285.194	285.220	0.027	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.004
Steele City	SD	Harding	285.220	285.575	0.355	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.011
Steele City	SD	Harding	285.575	285.681	0.105	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.016
Steele City	SD	Harding	285.681	285.742	0.061	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.024
Steele City	SD	Harding	285.742	285.763	0.022	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.001
Steele City	SD	Harding	285.763	285.829	0.066	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.026
Steele City	SD	Harding	285.829	286.215	0.385	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.012
Steele City	SD	Harding	286.215	286.276	0.061	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.009
Steele City	SD	Harding	286.276	286.323	0.048	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.001
Steele City	SD	Harding	286.323	286.346	0.022	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.003
Steele City	SD	Harding	286.346	286.464	0.118	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.004
Steele City	SD	Harding	286.464	286.544	0.080	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.012
Steele City	SD	Harding	286.544	286.718	0.175	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.005
Steele City	SD	Harding	286.718	286.876	0.158	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	0.000	0.142
Steele City	SD	Harding	286.876	286.994	0.118	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.018
Steele City	SD	Harding	286.994	287.083	0.089	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	0.000	0.080
Steele City	SD	Harding	287.083	287.184	0.101	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.041
Steele City	SD	Harding	287.184	287.279	0.095	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	0.000	0.085
Steele City	SD	Harding	287.279	287.641	0.363	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.145
Steele City	SD	Harding	287.641	287.711	0.070	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	0.000	0.063
Steele City	SD	Harding	287.711	287.754	0.043	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.017

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	SD	Harding	287.754	287.923	0.168	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.025
Steele City	SD	Harding	287.923	287.942	0.019	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.019
Steele City	SD	Harding	287.942	287.991	0.049	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.007
Steele City	SD	Harding	287.991	288.038	0.047	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.045
Steele City	SD	Harding	288.038	288.226	0.188	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.028
Steele City	SD	Harding	288.226	288.263	0.037	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.001
Steele City	SD	Harding	288.263	288.375	0.112	SD063	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.105
Steele City	SD	Harding	288.375	288.443	0.068	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.064
Steele City	SD	Harding	288.443	288.663	0.220	SD063	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.207
Steele City	SD	Harding	288.663	288.748	0.085	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.081
Steele City	SD	Harding	288.953	288.983	0.030	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.028
Steele City	SD	Harding	289.057	289.167	0.110	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.105
Steele City	SD	Harding	289.672	289.923	0.252	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.239
Steele City	SD	Harding	289.923	289.955	0.032	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.005
Steele City	SD	Harding	289.955	289.973	0.018	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.002
Steele City	SD	Harding	289.973	290.024	0.051	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.008
Steele City	SD	Harding	290.024	290.206	0.181	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.018
Steele City	SD	Harding	290.206	290.675	0.470	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.070
Steele City	SD	Harding	290.675	290.755	0.079	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.008
Steele City	SD	Harding	290.755	290.907	0.153	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.023
Steele City	SD	Harding	290.907	290.931	0.024	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.009
Steele City	SD	Harding	290.931	291.031	0.100	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.015
Steele City	SD	Harding	291.031	291.187	0.156	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.005
Steele City	SD	Harding	291.187	291.271	0.084	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.034
Steele City	SD	Harding	292.093	292.122	0.029	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.028
Steele City	SD	Harding	292.460	292.584	0.123	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.117
Steele City	SD	Harding	292.584	292.822	0.238	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.036
Steele City	SD	Harding	292.822	293.265	0.443	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.177
Steele City	SD	Harding	293.265	293.320	0.055	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.007
Steele City	SD	Harding	293.320	293.947	0.627	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.251
Steele City	SD	Harding	293.947	293.964	0.016	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.015
Steele City	SD	Harding	293.964	294.010	0.046	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.018
Steele City	SD	Harding	294.010	294.113	0.103	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.098
Steele City	SD	Harding	294.113	294.119	0.006	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.001
Steele City	SD	Harding	294.119	294.204	0.085	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.081
Steele City	SD	Harding	294.204	294.257	0.053	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.008
Steele City	SD	Harding	294.257	294.288	0.031	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.029
Steele City	SD	Harding	294.288	294.351	0.063	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.009
Steele City	SD	Harding	294.351	294.403	0.051	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.049
Steele City	SD	Harding	294.403	294.519	0.116	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.017
Steele City	SD	Harding	294.519	294.614	0.096	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.091
Steele City	SD	Harding	294.614	294.680	0.066	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.010
Steele City	SD	Harding	294.680	294.997	0.316	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.300
Steele City	SD	Harding	294.997	295.077	0.081	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.012
Steele City	SD	Harding	295.077	295.216	0.139	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.132
Steele City	SD	Harding	295.216	295.346	0.129	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.019
Steele City	SD	Harding	295.346	295.423	0.078	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.074
Steele City	SD	Harding	295.423	295.545	0.121	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.004
Steele City	SD	Harding	295.545	295.602	0.057	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.009
Steele City	SD	Harding	295.602	295.757	0.156	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.005
Steele City	SD	Harding	295.757	296.084	0.326	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.042
Steele City	SD	Harding	296.084	296.384	0.300	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.045
Steele City	SD	Harding	296.384	296.734	0.350	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.140
Steele City	SD	Harding	296.734	297.013	0.279	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.265
Steele City	SD	Harding	297.013	297.255	0.242	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.036
Steele City	SD	Harding	297.255	297.605	0.349	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.332
Steele City	SD	Harding	297.834	297.962	0.129	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.052
Steele City	SD	Harding	297.962	298.037	0.075	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.030
Steele City	SD	Harding	298.037	298.200	0.163	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.065
Steele City	SD	Harding	298.200	298.274	0.074	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.010
Steele City	SD	Harding	298.274	298.488	0.214	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.086
Steele City	SD	Harding	298.488	299.094	0.605	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.091
Steele City	SD	Harding	299.094	299.175	0.082	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.008
Steele City	SD	Harding	299.175	299.605	0.429	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.064
Steele City	SD	Harding	299.605	299.736	0.132	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.053
Steele City	SD	Harding	299.736	299.782	0.046	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.018
Steele City	SD	Harding	299.782	299.829	0.047	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.019
Steele City	SD	Harding	299.829	299.926	0.098	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.010
Steele City	SD	Harding	299.926	299.979	0.052	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.008
Steele City	SD	Harding	299.979	300.010	0.031	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.003
Steele City	SD	Harding	300.010	300.053	0.043	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.006
Steele City	SD	Harding	300.174	300.235	0.061	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.024
Steele City	SD	Harding	300.235	300.359	0.125	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.004
Steele City	SD	Harding	300.441	300.744	0.303	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.121
Steele City	SD	Harding	300.744	300.826	0.082	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.012
Steele City	SD	Harding	300.826	300.993	0.167	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.067
Steele City	SD	Harding	300.993	301.214	0.221	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.088
Steele City	SD	Harding	301.214	301.276	0.062	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.059

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	SD	Harding	301.276	301.450	0.175	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.026
Steele City	SD	Harding	301.450	301.538	0.088	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.083
Steele City	SD	Harding	301.538	301.797	0.258	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.008
Steele City	SD	Harding	301.797	302.019	0.222	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.022
Steele City	SD	Harding	302.019	302.214	0.195	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.078
Steele City	SD	Harding	302.214	302.696	0.482	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.458
Steele City	SD	Harding	302.696	302.726	0.029	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.004
Steele City	SD	Harding	302.726	303.245	0.520	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.208
Steele City	SD	Harding	303.245	303.396	0.151	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.143
Steele City	SD	Harding	303.396	303.805	0.409	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.163
Steele City	SD	Harding	303.805	303.893	0.088	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.035
Steele City	SD	Harding	303.893	304.121	0.228	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.217
Steele City	SD	Harding	304.121	304.251	0.130	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.123
Steele City	SD	Harding	304.251	304.431	0.179	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.027
Steele City	SD	Harding	304.601	304.668	0.067	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.002
Steele City	SD	Harding	304.668	304.869	0.201	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.191
Steele City	SD	Harding	304.869	305.174	0.305	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.009
Steele City	SD	Harding	305.174	305.283	0.109	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.044
Steele City	SD	Harding	305.283	305.360	0.078	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.009
Steele City	SD	Harding	305.360	305.474	0.114	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.011
Steele City	SD	Harding	305.474	305.729	0.255	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.031
Steele City	SD	Harding	305.729	306.062	0.333	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.033
Steele City	SD	Harding	306.541	306.717	0.176	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.168
Steele City	SD	Harding	306.717	307.079	0.361	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.036
Steele City	SD	Harding	307.079	307.185	0.106	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.043
Steele City	SD	Harding	307.185	307.379	0.194	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.029
Steele City	SD	Harding	307.379	307.494	0.116	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.110
Steele City	SD	Harding	307.494	307.601	0.106	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.016
Steele City	SD	Harding	307.601	307.830	0.229	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.007
Steele City	SD	Harding	307.830	307.947	0.118	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.047
Steele City	SD	Harding	307.947	308.031	0.084	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.013
Steele City	SD	Harding	308.031	308.108	0.076	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.030
Steele City	SD	Harding	308.108	308.620	0.512	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.015
Steele City	SD	Harding	308.620	308.670	0.051	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.048
Steele City	SD	Harding	308.670	308.772	0.102	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.097
Steele City	SD	Harding	308.772	308.963	0.191	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.025
Steele City	SD	Harding	308.963	309.210	0.247	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.235
Steele City	SD	Harding	309.210	309.420	0.210	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.006
Steele City	SD	Harding	309.420	309.575	0.155	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.147
Steele City	SD	Harding	309.575	310.006	0.431	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.172
Steele City	SD	Harding	310.006	310.105	0.100	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.095
Steele City	SD	Harding	310.105	310.305	0.199	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.080
Steele City	SD	Harding	310.305	310.564	0.260	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.039
Steele City	SD	Harding	310.564	310.601	0.037	SD063	Badlands	0.000	0.035
Steele City	SD	Harding	310.601	310.648	0.047	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.001
Steele City	SD	Harding	310.648	310.838	0.191	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.076
Steele City	SD	Harding	310.838	311.140	0.301	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.286
Steele City	SD	Harding	311.140	311.419	0.279	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.112
Steele City	SD	Harding	311.419	311.600	0.181	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.027
Steele City	SD	Harding	311.600	311.884	0.284	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.114
Steele City	SD	Harding	311.884	312.030	0.145	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.022
Steele City	SD	Harding	312.030	312.666	0.636	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.255
Steele City	SD	Harding	312.666	312.866	0.200	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.030
Steele City	SD	Harding	312.866	313.152	0.286	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.009
Steele City	SD	Harding	313.152	313.314	0.161	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.000	0.008
Steele City	SD	Harding	313.314	313.372	0.059	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.002
Steele City	SD	Harding	313.372	313.514	0.142	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.057
Steele City	SD	Harding	313.514	313.673	0.159	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.064
Steele City	SD	Harding	313.673	313.773	0.100	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.010
Steele City	SD	Harding	313.773	313.869	0.096	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.011
Steele City	SD	Harding	313.869	313.970	0.101	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.010
Steele City	SD	Harding	313.970	314.278	0.308	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.123
Steele City	SD	Harding	314.278	314.406	0.128	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.015
Steele City	SD	Harding	314.406	314.696	0.291	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	0.218	0.049
Steele City	SD	Harding	314.696	314.781	0.085	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.034
Steele City	SD	Harding	314.781	314.879	0.098	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.039
Steele City	SD	Harding	314.879	314.912	0.033	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.004
Steele City	SD	Harding	314.912	315.098	0.186	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.000	0.009
Steele City	SD	Harding	315.098	315.284	0.186	SD063	Marmarth fine sandy loam, 2 to 6 percent slopes	0.000	0.011
Steele City	SD	Harding	315.284	315.342	0.058	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.006
Steele City	SD	Harding	315.342	315.462	0.121	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.000	0.006
Steele City	SD	Harding	315.462	315.579	0.117	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.012
Steele City	SD	Harding	315.866	315.950	0.084	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.013
Steele City	SD	Harding	315.950	316.353	0.404	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.048
Steele City	SD	Harding	316.353	316.591	0.238	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.024
Steele City	SD	Harding	316.591	316.739	0.148	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.141
Steele City	SD	Harding	316.739	317.243	0.504	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.050
Steele City	SD	Harding	317.243	317.503	0.260	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.247

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	SD	Harding	317.503	317.780	0.276	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.008
Steele City	SD	Harding	317.780	318.027	0.247	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.099
Steele City	SD	Harding	318.143	318.359	0.216	SD063	Trey-Parchin-Bullock complex, 2 to 9 percent slopes	0.095	0.009
Steele City	SD	Harding	318.359	318.420	0.060	SD063	Zeona-Blownout land complex, 2 to 15 percent slopes	0.036	0.003
Steele City	SD	Harding	318.420	318.544	0.124	SD063	Trey-Parchin-Bullock complex, 2 to 9 percent slopes	0.055	0.005
Steele City	SD	Harding	318.544	318.602	0.058	SD063	Zeona-Blownout land complex, 2 to 15 percent slopes	0.035	0.003
Steele City	SD	Harding	318.602	318.820	0.217	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	0.193	0.017
Steele City	SD	Harding	318.820	319.486	0.666	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	0.500	0.113
Steele City	SD	Harding	319.486	319.855	0.369	SD063	Zeona loamy fine sand, 9 to 25 percent slopes	0.332	0.369
Steele City	SD	Harding	319.855	319.928	0.072	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	0.054	0.012
Steele City	SD	Harding	319.928	320.009	0.081	SD063	Zeona loamy fine sand, 9 to 25 percent slopes	0.073	0.081
Steele City	SD	Harding	320.009	320.064	0.055	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	0.042	0.009
Steele City	SD	Harding	320.064	320.607	0.543	SD063	Zeona loamy fine sand, 9 to 25 percent slopes	0.489	0.543
Steele City	SD	Harding	320.607	320.725	0.118	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	0.105	0.009
Steele City	SD	Harding	320.725	321.763	1.037	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.124
Steele City	SD	Harding	321.763	321.809	0.047	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	0.042	0.004
Steele City	SD	Harding	321.875	321.946	0.070	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	0.063	0.006
Steele City	SD	Harding	321.946	322.051	0.106	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.000	0.005
Steele City	SD	Harding	322.143	322.637	0.494	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.000	0.025
Steele City	SD	Harding	323.108	323.209	0.100	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	0.089	0.008
Steele City	SD	Harding	323.209	323.250	0.042	SD063	Zeona-Blownout land complex, 2 to 15 percent slopes	0.025	0.002
Steele City	SD	Harding	323.250	323.315	0.065	SD063	Trey-Parchin-Bullock complex, 2 to 9 percent slopes	0.029	0.003
Steele City	SD	Harding	323.315	323.478	0.162	SD063	Hanly-Slickspots complex	0.097	0.000
Steele City	SD	Harding	323.478	323.547	0.069	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	0.061	0.006
Steele City	SD	Harding	323.547	323.740	0.193	SD063	Fleak-Trey-Rock outcrop complex, 15 to 50 percent slopes	0.232	0.174
Steele City	SD	Harding	323.740	324.028	0.288	SD063	Trey loamy fine sand, 2 to 9 percent slopes	0.265	0.023
Steele City	SD	Harding	324.028	324.561	0.534	SD063	Fleak-Trey-Rock outcrop complex, 15 to 50 percent slopes	0.640	0.480
Steele City	SD	Harding	324.561	324.956	0.395	SD063	Zeona-Blownout land complex, 2 to 15 percent slopes	0.237	0.020
Steele City	SD	Harding	324.956	325.176	0.220	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	0.165	0.037
Steele City	SD	Harding	325.176	325.481	0.305	SD063	Fleak-Trey-Rock outcrop complex, 15 to 50 percent slopes	0.366	0.274
Steele City	SD	Harding	325.481	325.567	0.086	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.010
Steele City	SD	Harding	325.567	325.619	0.052	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.005
Steele City	SD	Harding	325.619	325.663	0.044	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.005
Steele City	SD	Harding	325.663	326.001	0.339	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.034
Steele City	SD	Harding	326.001	326.301	0.300	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.000	0.015
Steele City	SD	Harding	326.301	326.416	0.114	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.014
Steele City	SD	Harding	326.663	326.702	0.039	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.004
Steele City	SD	Harding	326.908	327.167	0.259	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.039
Steele City	SD	Harding	327.167	327.366	0.199	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.020
Steele City	SD	Harding	327.366	327.625	0.259	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.000	0.013
Steele City	SD	Harding	327.625	327.724	0.099	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.015
Steele City	SD	Harding	327.724	328.152	0.428	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.000	0.021
Steele City	SD	Harding	328.397	328.514	0.117	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.111
Steele City	SD	Harding	328.581	328.945	0.363	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.345
Steele City	SD	Harding	328.945	329.068	0.123	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.117
Steele City	SD	Harding	329.068	329.131	0.063	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.009
Steele City	SD	Harding	329.131	329.207	0.076	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.072
Steele City	SD	Harding	329.207	329.335	0.128	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.004
Steele City	SD	Harding	329.335	329.483	0.148	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.022
Steele City	SD	Harding	329.483	329.646	0.164	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.005
Steele City	SD	Harding	329.646	329.693	0.047	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.007
Steele City	SD	Harding	329.693	329.761	0.068	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.002
Steele City	SD	Harding	329.761	329.839	0.078	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.012
Steele City	SD	Harding	329.839	330.339	0.500	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.015
Steele City	SD	Harding	330.339	330.405	0.067	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.027
Steele City	SD	Harding	330.429	330.457	0.029	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.001
Steele City	SD	Harding	330.628	330.731	0.103	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.098
Steele City	SD	Harding	330.854	330.948	0.093	SD063	Cabbart loam, 6 to 60 percent slopes, extremely stony	0.000	0.086
Steele City	SD	Harding	330.948	331.053	0.105	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.014
Steele City	SD	Harding	331.053	331.539	0.486	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.015
Steele City	SD	Harding	331.539	331.846	0.308	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.292
Steele City	SD	Harding	331.846	332.259	0.412	SD063	Tanna-Rhoades complex, 2 to 9 percent slopes	0.000	0.412
Steele City	SD	Harding	332.259	332.524	0.265	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.040
Steele City	SD	Harding	332.524	332.577	0.053	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.050
Steele City	SD	Harding	332.577	333.068	0.491	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.015
Steele City	SD	Harding	333.068	333.101	0.033	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.005
Steele City	SD	Harding	333.101	333.131	0.031	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.001
Steele City	SD	Harding	333.131	333.339	0.208	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.031
Steele City	SD	Harding	333.339	333.589	0.249	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.032
Steele City	SD	Harding	333.589	333.659	0.071	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.002
Steele City	SD	Harding	333.659	333.745	0.086	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.011
Steele City	SD	Harding	333.745	333.901	0.155	SD063	Marmarth-Twilight fine sandy loams, 9 to 15 percent slopes	0.000	0.109
Steele City	SD	Harding	333.901	334.072	0.172	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.069
Steele City	SD	Harding	334.072	334.170	0.098	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.093
Steele City	SD	Harding	334.170	334.235	0.065	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.006
Steele City	SD	Harding	334.235	334.389	0.154	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.005
Steele City	SD	Harding	334.389	334.489	0.101	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.040
Steele City	SD	Harding	334.489	334.537	0.048	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.007

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	SD	Harding	334.537	335.651	1.114	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.446
Steele City	SD	Harding	335.651	335.747	0.096	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.038
Steele City	SD	Harding	335.747	335.884	0.137	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.055
Steele City	SD	Harding	335.884	336.030	0.146	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.058
Steele City	SD	Harding	336.030	336.193	0.162	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.065
Steele City	SD	Harding	336.193	336.348	0.156	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.023
Steele City	SD	Harding	336.348	336.526	0.178	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.005
Steele City	SD	Harding	336.526	336.626	0.100	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.040
Steele City	SD	Harding	336.626	336.792	0.165	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.066
Steele City	SD	Harding	336.792	336.958	0.167	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.025
Steele City	SD	Harding	336.958	337.122	0.164	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.066
Steele City	SD	Harding	337.122	337.207	0.084	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.011
Steele City	SD	Harding	337.207	337.346	0.140	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.021
Steele City	SD	Harding	337.346	337.425	0.079	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.010
Steele City	SD	Harding	337.425	337.546	0.120	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.018
Steele City	SD	Harding	337.973	338.069	0.096	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.038
Steele City	SD	Harding	338.237	338.405	0.168	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.025
Steele City	SD	Harding	338.405	338.544	0.139	SD063	Cabbart-Delridge loams, 15 to 40 percent slopes	0.000	0.128
Steele City	SD	Harding	338.714	338.814	0.099	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.010
Steele City	SD	Harding	338.814	338.952	0.139	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.004
Steele City	SD	Harding	338.952	339.045	0.093	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.009
Steele City	SD	Harding	339.630	339.710	0.080	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.008
Steele City	SD	Harding	340.190	340.440	0.250	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.238
Steele City	SD	Harding	340.440	340.577	0.137	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.055
Steele City	SD	Harding	340.577	340.610	0.033	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.005
Steele City	SD	Harding	340.610	340.658	0.048	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.019
Steele City	SD	Harding	340.658	340.718	0.061	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.009
Steele City	SD	Harding	340.773	340.881	0.108	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.016
Steele City	SD	Harding	341.993	342.073	0.080	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.002
Steele City	SD	Harding	342.156	342.271	0.116	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.110
Steele City	SD	Harding	342.380	342.570	0.190	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.025
Steele City	SD	Harding	342.570	342.819	0.250	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.037
Steele City	SD	Harding	342.819	342.938	0.118	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.004
Steele City	SD	Harding	342.938	343.150	0.213	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.032
Steele City	SD	Harding	343.150	343.277	0.126	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.051
Steele City	SD	Harding	343.690	343.749	0.059	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.009
Steele City	SD	Harding	343.749	343.836	0.087	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.009
Steele City	SD	Harding	343.836	344.091	0.255	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.008
Steele City	SD	Harding	344.091	344.149	0.058	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.007
Steele City	SD	Harding	344.149	344.414	0.265	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.040
Steele City	SD	Harding	344.423	344.625	0.202	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.030
Steele City	SD	Harding	344.625	344.684	0.059	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.000	0.007
Steele City	SD	Harding	344.684	344.917	0.233	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.035
Steele City	SD	Harding	344.917	344.999	0.082	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.008
Steele City	SD	Harding	344.999	345.192	0.193	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.077
Steele City	SD	Harding	345.338	345.468	0.129	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.052
Steele City	SD	Harding	345.468	346.286	0.818	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.082
Steele City	SD	Harding	346.286	346.338	0.052	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.002
Steele City	SD	Harding	346.362	346.514	0.153	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.005
Steele City	SD	Harding	346.649	346.747	0.098	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.003
Steele City	SD	Harding	346.747	346.791	0.044	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.017
Steele City	SD	Harding	346.791	346.863	0.072	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.007
Steele City	SD	Harding	346.863	346.884	0.021	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.008
Steele City	SD	Harding	346.884	347.000	0.117	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.111
Steele City	SD	Harding	347.000	347.062	0.062	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.025
Steele City	SD	Harding	347.062	347.140	0.078	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.031
Steele City	SD	Harding	347.140	347.158	0.018	SD063	Hanly loamy fine sand	0.015	0.000
Steele City	SD	Harding	347.352	347.456	0.103	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.041
Steele City	SD	Harding	347.456	347.780	0.324	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.308
Steele City	SD	Harding	347.780	347.899	0.120	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.048
Steele City	SD	Harding	347.899	347.969	0.069	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.066
Steele City	SD	Harding	347.969	348.051	0.082	SD063	Cabbart-Delridge loams, 15 to 40 percent slopes	0.000	0.075
Steele City	SD	Harding	348.051	348.225	0.175	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.166
Steele City	SD	Harding	348.383	348.406	0.023	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.022
Steele City	SD	Harding	348.406	348.459	0.053	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.051
Steele City	SD	Harding	348.828	349.028	0.200	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.030
Steele City	SD	Harding	349.028	349.099	0.071	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.028
Steele City	SD	Harding	349.099	349.446	0.347	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.052
Steele City	SD	Harding	349.446	349.469	0.023	SD063	Trey-Parchin-Bullock complex, 2 to 9 percent slopes	0.010	0.001
Steele City	SD	Harding	349.469	349.769	0.300	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.045
Steele City	SD	Harding	349.769	349.868	0.098	SD063	Bullock fine sandy loam, 6 to 20 percent slopes, extremely stony	0.000	0.089
Steele City	SD	Harding	349.868	349.906	0.038	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.015
Steele City	SD	Harding	349.906	349.954	0.048	SD063	Cabbart loam, 6 to 60 percent slopes, extremely stony	0.000	0.044
Steele City	SD	Harding	349.954	350.429	0.476	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.000	0.190
Steele City	SD	Harding	350.538	350.569	0.031	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.030
Steele City	SD	Harding	350.569	350.586	0.016	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.006
Steele City	SD	Harding	350.586	350.760	0.175	SD063	Rhoades-Daglum loams, 2 to 9 percent slopes	0.000	0.159

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	SD	Harding	350.760	351.132	0.371	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.011
Steele City	SD	Harding	351.132	351.303	0.171	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.017
Steele City	SD	Harding	351.485	351.517	0.033	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.005
Steele City	SD	Harding	351.517	351.645	0.128	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.013
Steele City	SD	Harding	351.645	351.807	0.162	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.005
Steele City	SD	Harding	351.807	351.835	0.027	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.004
Steele City	SD	Harding	351.835	351.912	0.077	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.002
Steele City	SD	Harding	351.912	352.351	0.439	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.044
Steele City	SD	Harding	352.351	352.392	0.041	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.000	0.006
Steele City	SD	Harding	352.392	352.459	0.067	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.007
Steele City	SD	Harding	352.459	352.533	0.074	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.030
Steele City	SD	Harding	352.533	352.599	0.066	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.063
Steele City	SD	Harding	352.599	352.751	0.152	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.015
Steele City	SD	Harding	352.751	352.787	0.036	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.001
Steele City	SD	Harding	352.787	352.937	0.150	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.015
Steele City	SD	Harding	352.937	352.961	0.024	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.000	0.001
Steele City	SD	Harding	352.961	353.254	0.293	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.029
Steele City	SD	Harding	353.254	353.409	0.155	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.147
Steele City	SD	Harding	353.409	353.466	0.057	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	0.043	0.010
Steele City	SD	Harding	353.466	353.540	0.074	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.070
Steele City	SD	Harding	353.540	353.575	0.035	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.000	0.014
Steele City	SD	Harding	353.575	353.612	0.038	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.000	0.036
Steele City	SD	Harding	353.612	353.858	0.246	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.000	0.025
Steele City	SD	Butte	353.905	353.975	0.070	SD019	Absher-Slickspots complex, 0 to 9 percent slopes	0.000	0.038
Steele City	SD	Butte	353.975	354.096	0.121	SD019	Zeona loamy fine sand, 0 to 6 percent slopes	0.097	0.000
Steele City	SD	Butte	354.096	354.294	0.198	SD019	Absher-Slickspots complex, 0 to 9 percent slopes	0.000	0.107
Steele City	SD	Butte	354.294	354.321	0.027	SD019	Zeona loamy fine sand, 0 to 6 percent slopes	0.021	0.000
Steele City	SD	Butte	354.321	354.370	0.049	SD019	Absher-Slickspots complex, 0 to 9 percent slopes	0.000	0.027
Steele City	SD	Butte	354.370	354.616	0.246	SD019	Zeona loamy fine sand, 0 to 6 percent slopes	0.197	0.000
Steele City	SD	Butte	354.616	354.759	0.143	SD019	Badland	0.000	0.132
Steele City	SD	Butte	354.759	354.948	0.189	SD019	Twilight fine sandy loam, 3 to 25 percent slopes	0.000	0.161
Steele City	SD	Butte	354.948	355.240	0.292	SD019	Badland	0.000	0.268
Steele City	SD	Butte	355.716	355.913	0.197	SD019	Twilight fine sandy loam, 3 to 25 percent slopes	0.000	0.168
Steele City	SD	Butte	356.233	356.292	0.059	SD019	Twilight-Blackhall fine sandy loams, 6 to 18 percent slopes	0.000	0.054
Steele City	SD	Butte	356.408	356.505	0.097	SD019	Hanly loamy fine sand,	0.087	0.000
Steele City	SD	Butte	356.505	357.481	0.976	SD019	Zeona loamy fine sand, 0 to 6 percent slopes	0.781	0.000
Steele City	SD	Butte	357.542	357.607	0.065	SD019	Badland	0.000	0.060
Steele City	SD	Butte	357.607	357.638	0.030	SD019	Twilight fine sandy loam, 3 to 25 percent slopes	0.000	0.026
Steele City	SD	Perkins	357.638	357.669	0.032	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.010
Steele City	SD	Perkins	357.669	357.762	0.093	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.011
Steele City	SD	Perkins	357.762	358.199	0.436	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.135
Steele City	SD	Perkins	358.199	358.378	0.180	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.022
Steele City	SD	Perkins	358.378	358.416	0.037	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.012
Steele City	SD	Perkins	358.416	358.454	0.038	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.005
Steele City	SD	Perkins	358.454	358.570	0.116	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.036
Steele City	SD	Perkins	358.570	359.498	0.928	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.111
Steele City	SD	Perkins	359.498	359.763	0.266	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.082
Steele City	SD	Perkins	359.763	359.836	0.073	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.009
Steele City	SD	Perkins	360.034	360.063	0.029	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.009
Steele City	SD	Perkins	360.154	360.563	0.409	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.127
Steele City	SD	Perkins	360.647	360.656	0.009	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.003
Steele City	SD	Perkins	360.695	360.930	0.235	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.073
Steele City	SD	Perkins	360.958	361.115	0.157	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.049
Steele City	SD	Perkins	361.370	361.398	0.028	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.009
Steele City	SD	Perkins	361.510	361.532	0.021	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.003
Steele City	SD	Perkins	361.577	361.685	0.108	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.013
Steele City	SD	Perkins	362.248	362.433	0.185	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.057
Steele City	SD	Perkins	362.660	362.759	0.099	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.012
Steele City	SD	Perkins	362.849	362.889	0.041	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.005
Steele City	SD	Perkins	363.097	363.340	0.243	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.029
Steele City	SD	Perkins	363.836	364.060	0.224	SD105	Wabek sandy loam, 9 to 35 percent slopes	0.000	0.201
Steele City	SD	Perkins	364.060	364.295	0.235	SD105	Lohler-Trembles complex	0.012	0.000
Steele City	SD	Perkins	364.295	364.352	0.057	SD105	Trembles fine sandy loam	0.002	0.000
Steele City	SD	Perkins	364.352	364.484	0.132	SD105	Banks loamy fine sand	0.125	0.000
Steele City	SD	Perkins	364.484	364.519	0.035	SD105	Trembles fine sandy loam	0.001	0.000
Steele City	SD	Perkins	364.519	364.677	0.159	SD105	Lohler-Trembles complex	0.008	0.000
Steele City	SD	Perkins	364.677	365.087	0.410	SD105	Blackhall-Cabbart complex, 15 to 40 percent slopes	0.000	0.348
Steele City	SD	Perkins	365.175	365.254	0.079	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.010
Steele City	SD	Perkins	365.340	365.397	0.057	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.007
Steele City	SD	Perkins	365.600	365.612	0.012	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.001
Steele City	SD	Perkins	365.633	365.929	0.297	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.036
Steele City	SD	Perkins	366.237	366.469	0.231	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.028
Steele City	SD	Perkins	366.469	366.542	0.074	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.023
Steele City	SD	Perkins	366.542	366.602	0.059	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.007
Steele City	SD	Perkins	366.602	366.665	0.064	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.020
Steele City	SD	Perkins	366.665	366.700	0.035	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.004
Steele City	SD	Perkins	366.700	366.720	0.019	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.006
Steele City	SD	Perkins	366.720	367.155	0.436	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.052

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	SD	Perkins	367.155	367.273	0.118	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.036
Steele City	SD	Perkins	367.273	367.586	0.313	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.038
Steele City	SD	Perkins	367.586	367.856	0.270	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.084
Steele City	SD	Perkins	367.856	367.893	0.038	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.005
Steele City	SD	Perkins	367.893	368.101	0.208	SD105	Rhoades-Rock outcrop complex, 6 to 20 percent slopes	0.000	0.195
Steele City	SD	Perkins	368.135	368.178	0.044	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.005
Steele City	SD	Perkins	368.268	368.463	0.195	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.023
Steele City	SD	Perkins	368.463	368.545	0.082	SD105	Rhoades-Rock outcrop complex, 6 to 20 percent slopes	0.000	0.077
Steele City	SD	Perkins	368.545	369.044	0.499	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.060
Steele City	SD	Perkins	369.044	369.161	0.118	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.036
Steele City	SD	Perkins	369.240	369.368	0.128	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.015
Steele City	SD	Perkins	369.809	369.953	0.144	SD105	Blackhall-Cabbart complex, 15 to 40 percent slopes	0.000	0.122
Steele City	SD	Perkins	369.953	370.050	0.098	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.000	0.012
Steele City	SD	Perkins	370.050	370.237	0.187	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.058
Steele City	SD	Perkins	370.237	370.509	0.272	SD105	Rhoades-Rock outcrop complex, 6 to 20 percent slopes	0.000	0.256
Steele City	SD	Perkins	370.566	370.744	0.179	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.055
Steele City	SD	Perkins	370.960	370.970	0.010	SD105	Blackhall-Cabbart complex, 15 to 40 percent slopes	0.000	0.009
Steele City	SD	Perkins	370.970	371.185	0.215	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.067
Steele City	SD	Perkins	371.185	371.272	0.087	SD105	Blackhall-Cabbart complex, 15 to 40 percent slopes	0.000	0.074
Steele City	SD	Perkins	371.285	371.337	0.052	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.016
Steele City	SD	Perkins	371.413	371.804	0.390	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.121
Steele City	SD	Perkins	371.804	372.137	0.333	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	0.000	0.007
Steele City	SD	Perkins	372.137	372.261	0.123	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.000	0.038
Steele City	SD	Perkins	372.261	372.572	0.312	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	0.000	0.006
Steele City	SD	Perkins	372.572	372.636	0.064	SD105	Marmarth loam, 2 to 6 percent slopes	0.000	0.005
Steele City	SD	Perkins	372.636	372.740	0.104	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	0.000	0.002
Steele City	SD	Perkins	372.740	372.857	0.117	SD105	Marmarth loam, 2 to 6 percent slopes	0.000	0.009
Steele City	SD	Perkins	372.857	372.883	0.026	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	0.000	0.001
Steele City	SD	Meade	372.883	372.910	0.028	SD601	Tanna-Savo complex, 2 to 6 percent slopes	0.000	0.002
Steele City	SD	Meade	373.233	373.524	0.291	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.073
Steele City	SD	Meade	373.524	373.762	0.238	SD601	Eapa-Delridge loams, 2 to 6 percent slopes	0.000	0.019
Steele City	SD	Meade	374.347	374.558	0.211	SD601	Eapa-Delridge loams, 2 to 6 percent slopes	0.000	0.017
Steele City	SD	Meade	374.905	375.027	0.122	SD601	Tanna-Savo complex, 6 to 9 percent slopes	0.000	0.122
Steele City	SD	Meade	375.551	375.579	0.028	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.007
Steele City	SD	Meade	375.610	376.150	0.540	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.135
Steele City	SD	Meade	377.794	377.930	0.136	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.034
Steele City	SD	Meade	377.983	378.060	0.077	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.019
Steele City	SD	Meade	378.716	378.907	0.191	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.048
Steele City	SD	Meade	379.033	379.059	0.026	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.007
Steele City	SD	Meade	379.981	380.099	0.119	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.030
Steele City	SD	Meade	382.818	383.023	0.205	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.000	0.127
Steele City	SD	Meade	384.866	384.995	0.128	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.032
Steele City	SD	Meade	385.209	385.350	0.142	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.035
Steele City	SD	Meade	385.395	385.486	0.091	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.023
Steele City	SD	Meade	385.627	385.728	0.101	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.025
Steele City	SD	Meade	386.257	386.318	0.062	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.015
Steele City	SD	Meade	386.525	386.578	0.053	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.013
Steele City	SD	Meade	386.661	387.211	0.550	SD601	Eapa-Delridge loams, 2 to 6 percent slopes	0.000	0.044
Steele City	SD	Meade	387.211	387.223	0.012	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.003
Steele City	SD	Meade	387.398	387.440	0.042	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.011
Steele City	SD	Meade	388.547	388.743	0.197	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.049
Steele City	SD	Meade	388.798	388.853	0.055	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.000	0.014
Steele City	SD	Meade	389.599	389.738	0.139	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.000	0.086
Steele City	SD	Meade	389.993	390.200	0.207	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.000	0.134
Steele City	SD	Meade	390.366	390.400	0.035	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.000	0.022
Steele City	SD	Meade	390.510	390.552	0.042	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.000	0.026
Steele City	SD	Meade	390.588	390.658	0.071	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.000	0.044
Steele City	SD	Meade	390.880	391.240	0.360	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.000	0.223
Steele City	SD	Meade	391.752	391.758	0.006	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.000	0.004
Steele City	SD	Meade	391.821	391.970	0.149	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.000	0.092

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	SD	Meade	391.970	392.168	0.199	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.000	0.129
Steele City	SD	Meade	392.441	392.533	0.092	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.000	0.060
Steele City	SD	Meade	392.533	392.626	0.093	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.093
Steele City	SD	Meade	392.626	392.664	0.038	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.000	0.025
Steele City	SD	Meade	392.664	392.784	0.120	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.000	0.074
Steele City	SD	Meade	392.784	392.915	0.132	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.000	0.086
Steele City	SD	Meade	392.915	393.075	0.160	SD601	Assinniboine fine sandy loam, 6 to 9 percent slopes	0.000	0.152
Steele City	SD	Meade	393.075	393.268	0.193	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.000	0.125
Steele City	SD	Meade	393.268	393.556	0.287	SD601	Assinniboine fine sandy loam, 6 to 9 percent slopes	0.000	0.273
Steele City	SD	Meade	393.556	393.785	0.229	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.218
Steele City	SD	Meade	393.785	393.904	0.119	SD601	Assinniboine fine sandy loam, 6 to 9 percent slopes	0.000	0.113
Steele City	SD	Meade	393.904	394.064	0.160	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.160
Steele City	SD	Meade	394.064	394.201	0.137	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.000	0.007
Steele City	SD	Meade	394.201	394.444	0.243	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.243
Steele City	SD	Meade	394.444	394.532	0.088	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.083
Steele City	SD	Meade	394.532	394.548	0.016	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.016
Steele City	SD	Meade	394.548	394.643	0.095	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.090
Steele City	SD	Meade	394.643	394.680	0.037	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.037
Steele City	SD	Meade	394.818	394.879	0.061	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.061
Steele City	SD	Meade	394.879	395.003	0.124	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.000	0.077
Steele City	SD	Meade	395.003	395.496	0.493	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.493
Steele City	SD	Meade	395.496	395.661	0.166	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.000	0.108
Steele City	SD	Meade	395.661	395.750	0.089	SD601	Blackhall-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.076
Steele City	SD	Meade	395.750	395.888	0.137	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.000	0.089
Steele City	SD	Meade	395.888	396.090	0.202	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.192
Steele City	SD	Meade	396.090	396.244	0.154	SD601	Eapa loam, 6 to 9 percent slopes	0.000	0.154
Steele City	SD	Meade	396.244	396.709	0.465	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.465
Steele City	SD	Meade	396.709	396.767	0.058	SD601	Eapa-Delridge loams, 6 to 9 percent slopes	0.000	0.058
Steele City	SD	Meade	396.767	397.368	0.600	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.600
Steele City	SD	Meade	397.390	397.419	0.029	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.029
Steele City	SD	Meade	397.775	397.907	0.132	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.132
Steele City	SD	Meade	398.233	398.258	0.025	SD601	Lohmiller silty clay loam	0.001	0.000
Steele City	SD	Meade	398.287	398.533	0.246	SD601	Lohmiller silty clay loam	0.007	0.000
Steele City	SD	Meade	398.533	398.913	0.380	SD601	Abor silty clay, 2 to 6 percent slopes	0.000	0.019
Steele City	SD	Meade	398.913	399.072	0.159	SD601	Lohmiller silty clay loam	0.005	0.000
Steele City	SD	Meade	399.586	400.054	0.468	SD601	Lawther silty clay, 2 to 6 percent slopes	0.000	0.033
Steele City	SD	Meade	400.113	400.155	0.042	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.040
Steele City	SD	Meade	400.182	400.409	0.227	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.227
Steele City	SD	Meade	400.409	400.596	0.188	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.178
Steele City	SD	Meade	400.596	400.658	0.062	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.062
Steele City	SD	Meade	400.658	400.668	0.010	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.009
Steele City	SD	Meade	400.668	401.150	0.482	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.482
Steele City	SD	Meade	401.150	401.887	0.737	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.700
Steele City	SD	Meade	401.895	403.352	1.458	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	1.385
Steele City	SD	Meade	403.611	403.639	0.028	SD601	Eapa-Grail complex, 6 to 9 percent slopes	0.000	0.028
Steele City	SD	Meade	403.639	403.702	0.063	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.060
Steele City	SD	Meade	403.702	403.993	0.291	SD601	Eapa-Grail complex, 6 to 9 percent slopes	0.000	0.291
Steele City	SD	Meade	404.732	404.846	0.114	SD601	Eapa-Grail complex, 6 to 9 percent slopes	0.000	0.114
Steele City	SD	Meade	404.882	404.982	0.100	SD601	Eapa-Grail complex, 6 to 9 percent slopes	0.000	0.100
Steele City	SD	Meade	405.046	405.264	0.218	SD601	Eapa-Grail complex, 6 to 9 percent slopes	0.000	0.218
Steele City	SD	Meade	405.264	406.002	0.738	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.701
Steele City	SD	Meade	406.002	406.010	0.008	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.008
Steele City	SD	Meade	406.010	406.037	0.026	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.025
Steele City	SD	Meade	406.037	406.099	0.062	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.062
Steele City	SD	Meade	406.099	406.135	0.036	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.034
Steele City	SD	Meade	406.336	406.650	0.314	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.298
Steele City	SD	Meade	406.840	407.032	0.192	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.182
Steele City	SD	Meade	407.840	407.889	0.049	SD601	Nihill-Attewan complex, 4 to 20 percent slopes	0.000	0.032
Steele City	SD	Meade	408.571	408.612	0.041	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.039
Steele City	SD	Meade	408.612	408.799	0.187	SD601	Tanna-Savo complex, 2 to 6 percent slopes	0.000	0.013
Steele City	SD	Meade	409.090	409.189	0.099	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.094
Steele City	SD	Meade	409.537	409.709	0.172	SD601	Cabbart loam, 9 to 40 percent slopes	0.000	0.172
Steele City	SD	Meade	410.035	410.267	0.232	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.221
Steele City	SD	Meade	410.267	410.472	0.205	SD601	Tanna-Savo complex, 2 to 6 percent slopes	0.000	0.014
Steele City	SD	Meade	410.685	410.732	0.047	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.044
Steele City	SD	Meade	410.732	410.908	0.176	SD601	Tanna-Savo complex, 2 to 6 percent slopes	0.000	0.012
Steele City	SD	Meade	410.908	411.160	0.252	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.239
Steele City	SD	Meade	411.160	411.273	0.113	SD601	Abor silty clay, 6 to 9 percent slopes	0.000	0.113
Steele City	SD	Meade	411.273	411.365	0.092	SD601	Lawther silty clay, 2 to 6 percent slopes	0.000	0.006
Steele City	SD	Meade	411.365	411.568	0.203	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.193
Steele City	SD	Meade	411.568	411.626	0.058	SD601	Abor silty clay, 2 to 6 percent slopes	0.000	0.003
Steele City	SD	Meade	411.626	411.744	0.118	SD601	Lawther silty clay, 2 to 6 percent slopes	0.000	0.008
Steele City	SD	Meade	411.750	411.816	0.066	SD601	Lawther silty clay, 2 to 6 percent slopes	0.000	0.005
Steele City	SD	Meade	411.816	411.894	0.078	SD601	Abor silty clay, 2 to 6 percent slopes	0.000	0.004
Steele City	SD	Meade	411.894	411.922	0.028	SD601	Lawther silty clay, 2 to 6 percent slopes	0.000	0.002
Steele City	SD	Meade	411.922	412.136	0.214	SD601	Abor silty clay, 2 to 6 percent slopes	0.000	0.011
Steele City	SD	Meade	412.136	412.178	0.042	SD601	Lawther silty clay, 2 to 6 percent slopes	0.000	0.003
Steele City	SD	Meade	412.178	412.220	0.042	SD601	Abor silty clay, 2 to 6 percent slopes	0.000	0.002

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	SD	Meade	412.220	412.346	0.126	SD601	Lawther silty clay, 2 to 6 percent slopes	0.000	0.009
Steele City	SD	Meade	412.346	412.379	0.033	SD601	Abor silty clay, 2 to 6 percent slopes	0.000	0.002
Steele City	SD	Meade	412.379	413.151	0.771	SD601	Abor silty clay, 6 to 9 percent slopes	0.000	0.771
Steele City	SD	Meade	413.151	413.263	0.112	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.106
Steele City	SD	Meade	413.263	413.461	0.198	SD601	Abor silty clay, 6 to 9 percent slopes	0.000	0.198
Steele City	SD	Meade	413.461	413.495	0.034	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.033
Steele City	SD	Meade	413.495	413.736	0.241	SD601	Abor silty clay, 6 to 9 percent slopes	0.000	0.241
Steele City	SD	Meade	413.736	413.839	0.103	SD601	Abor silty clay, 2 to 6 percent slopes	0.000	0.005
Steele City	SD	Meade	413.839	414.759	0.919	SD601	Abor silty clay, 6 to 9 percent slopes	0.000	0.919
Steele City	SD	Meade	414.759	414.887	0.128	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.122
Steele City	SD	Meade	414.887	415.020	0.133	SD601	Lawther silty clay, 2 to 6 percent slopes	0.000	0.009
Steele City	SD	Meade	415.020	415.177	0.157	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.149
Steele City	SD	Meade	415.177	415.210	0.033	SD601	Abor silty clay, 6 to 9 percent slopes	0.000	0.033
Steele City	SD	Meade	415.392	415.477	0.085	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.000	0.004
Steele City	SD	Meade	415.512	415.526	0.013	SD601	Tanna-Savo complex, 6 to 9 percent slopes	0.000	0.013
Steele City	SD	Meade	415.566	415.897	0.332	SD601	Tanna-Savo complex, 6 to 9 percent slopes	0.000	0.332
Steele City	SD	Meade	415.897	416.086	0.188	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.000	0.009
Steele City	SD	Meade	416.086	416.154	0.069	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.000	0.065
Steele City	SD	Meade	416.154	416.189	0.035	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.000	0.002
Steele City	SD	Meade	416.189	416.478	0.289	SD601	Abor silty clay, 2 to 6 percent slopes	0.000	0.014
Steele City	SD	Meade	416.478	416.487	0.009	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.009
Steele City	SD	Meade	416.487	416.828	0.341	SD601	Abor silty clay, 2 to 6 percent slopes	0.000	0.017
Steele City	SD	Meade	416.828	416.975	0.147	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.000	0.007
Steele City	SD	Meade	417.147	417.386	0.240	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.221
Steele City	SD	Meade	417.386	417.467	0.081	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.000	0.004
Steele City	SD	Meade	417.650	418.021	0.372	SD601	Pierre-Samsil clays, 6 to 15 percent slopes	0.000	0.316
Steele City	SD	Meade	418.123	418.324	0.201	SD601	Tanna-Savo complex, 2 to 6 percent slopes	0.000	0.014
Steele City	SD	Meade	418.324	419.074	0.750	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.690
Steele City	SD	Meade	419.117	419.466	0.349	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.321
Steele City	SD	Meade	419.466	419.573	0.107	SD601	Samsil-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.099
Steele City	SD	Meade	419.904	420.223	0.320	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.294
Steele City	SD	Meade	420.314	420.494	0.179	SD601	Samsil-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.167
Steele City	SD	Meade	420.494	420.739	0.245	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.226
Steele City	SD	Meade	420.739	420.780	0.041	SD601	Samsil-Rock outcrop complex, 15 to 40 percent slopes	0.000	0.038
Steele City	SD	Meade	420.780	420.901	0.121	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.111
Steele City	SD	Meade	420.901	420.942	0.042	SD601	Pierre-Samsil clays, 6 to 15 percent slopes	0.000	0.035
Steele City	SD	Meade	420.942	421.677	0.734	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.676
Steele City	SD	Meade	421.760	421.852	0.093	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.085
Steele City	SD	Meade	422.104	422.267	0.163	SD601	Lohmiller silty clay loam	0.005	0.000
Steele City	SD	Meade	422.267	422.658	0.392	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.360
Steele City	SD	Meade	422.750	422.952	0.202	SD601	Lohmiller silty clay loam	0.006	0.000
Steele City	SD	Meade	423.283	423.329	0.046	SD601	Samsil clay, 6 to 25 percent slopes	0.000	0.043
Steele City	SD	Meade	423.607	423.667	0.059	SD601	Pierre-Samsil clays, 6 to 15 percent slopes	0.000	0.050
Steele City	SD	Meade	423.878	424.155	0.277	SD601	Kyle clay, 2 to 6 percent slopes	0.000	0.014
Steele City	SD	Meade	424.155	424.431	0.277	SD601	Pierre-Samsil clays, 6 to 15 percent slopes	0.000	0.235
Steele City	SD	Meade	424.431	424.496	0.064	SD601	Pierre clay, 2 to 6 percent slopes	0.000	0.004
Steele City	SD	Meade	424.655	424.670	0.015	SD601	Lohmiller silty clay loam	0.000	0.000
Steele City	SD	Meade	424.695	424.769	0.074	SD601	Lohmiller silty clay loam	0.002	0.000
Steele City	SD	Meade	424.852	424.912	0.060	SD601	Lohmiller silty clay loam	0.002	0.000
Steele City	SD	Meade	424.912	425.058	0.146	SD601	Kyle clay, 2 to 6 percent slopes	0.000	0.007
Steele City	SD	Meade	425.058	425.177	0.119	SD601	Lohmiller silty clay loam	0.004	0.000
Steele City	SD	Meade	425.177	425.422	0.244	SD601	Glenberg fine sandy loam	0.020	0.000
Steele City	SD	Meade	425.422	425.544	0.122	SD601	Bankard loamy fine sand	0.110	0.000
Steele City	SD	Meade	425.544	425.597	0.053	SD601	Bankard gravelly loamy sand	0.047	0.000
Steele City	SD	Pennington	425.629	425.927	0.299	SD605	Riverwash	0.278	0.000
Steele City	SD	Haakon	426.056	426.340	0.285	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.000	0.276
Steele City	SD	Haakon	426.340	426.443	0.102	SD055	Samsil clay, 25 to 60 percent slopes	0.000	0.099
Steele City	SD	Haakon	426.443	426.500	0.057	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.000	0.056
Steele City	SD	Haakon	426.500	426.746	0.246	SD055	Samsil clay, 25 to 60 percent slopes	0.000	0.238
Steele City	SD	Haakon	426.746	426.819	0.073	SD055	Schamber-Samsil complex, 6 to 60 percent slopes	0.000	0.073
Steele City	SD	Haakon	427.701	428.047	0.347	SD055	Ree-Vivian complex, 6 to 15 percent slopes	0.000	0.243
Steele City	SD	Haakon	428.092	428.216	0.124	SD055	Schamber-Samsil complex, 6 to 60 percent slopes	0.000	0.124
Steele City	SD	Haakon	428.216	428.466	0.251	SD055	Samsil clay, 25 to 60 percent slopes	0.000	0.243
Steele City	SD	Haakon	428.466	428.684	0.218	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.000	0.211
Steele City	SD	Haakon	428.730	428.735	0.005	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.000	0.005
Steele City	SD	Haakon	428.864	428.949	0.085	SD055	Lohmiller silty clay, channeled	0.000	0.002
Steele City	SD	Haakon	429.141	429.562	0.421	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.000	0.409
Steele City	SD	Haakon	429.562	429.707	0.145	SD055	Samsil-Rock outcrop complex, 15 to 60 percent slopes	0.000	0.145
Steele City	SD	Haakon	429.707	429.863	0.155	SD055	Schamber-Samsil complex, 6 to 60 percent slopes	0.000	0.155
Steele City	SD	Haakon	431.762	431.951	0.189	SD055	Ree-Canning loams, 6 to 9 percent slopes	0.000	0.170
Steele City	SD	Haakon	435.130	435.164	0.034	SD055	Samsil clay, 25 to 60 percent slopes	0.000	0.033
Steele City	SD	Haakon	437.922	438.008	0.085	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.077
Steele City	SD	Haakon	438.368	438.583	0.215	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.200
Steele City	SD	Haakon	438.952	439.293	0.341	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.307
Steele City	SD	Haakon	440.256	440.611	0.355	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.320
Steele City	SD	Haakon	443.255	443.399	0.144	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.129
Steele City	SD	Haakon	443.399	443.582	0.183	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.170
Steele City	SD	Haakon	443.694	443.805	0.111	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.000	0.108

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	SD	Haakon	443.805	443.999	0.194	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.184
Steele City	SD	Haakon	444.019	444.039	0.020	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.019
Steele City	SD	Haakon	444.353	444.781	0.428	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.406
Steele City	SD	Haakon	444.993	445.091	0.098	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.093
Steele City	SD	Haakon	446.773	447.229	0.456	SD055	Ottumwa-Razor-Savo complex, 6 to 15 percent slopes	0.000	0.433
Steele City	SD	Haakon	447.348	447.417	0.069	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.062
Steele City	SD	Haakon	447.628	447.881	0.253	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.235
Steele City	SD	Haakon	447.881	448.154	0.274	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.260
Steele City	SD	Haakon	448.271	448.344	0.073	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.068
Steele City	SD	Haakon	448.622	448.642	0.019	SD055	Opal-Promise clays, 6 to 9 percent slopes	0.000	0.017
Steele City	SD	Haakon	448.783	448.861	0.078	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.073
Steele City	SD	Haakon	449.136	449.247	0.110	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.103
Steele City	SD	Haakon	449.425	449.529	0.104	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.097
Steele City	SD	Haakon	449.701	449.906	0.204	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.190
Steele City	SD	Haakon	449.906	449.963	0.058	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.055
Steele City	SD	Haakon	450.692	450.752	0.060	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.054
Steele City	SD	Haakon	451.619	451.760	0.142	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.127
Steele City	SD	Haakon	452.499	452.591	0.092	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.086
Steele City	SD	Haakon	454.055	454.520	0.465	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.418
Steele City	SD	Haakon	454.690	454.957	0.267	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.241
Steele City	SD	Haakon	454.957	455.131	0.173	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.161
Steele City	SD	Haakon	455.247	455.285	0.039	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.036
Steele City	SD	Haakon	455.285	455.370	0.085	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.076
Steele City	SD	Haakon	455.370	455.700	0.330	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.307
Steele City	SD	Haakon	455.803	456.026	0.224	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.201
Steele City	SD	Haakon	456.515	456.566	0.051	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.046
Steele City	SD	Haakon	456.626	456.850	0.223	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.201
Steele City	SD	Haakon	457.073	457.387	0.314	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.292
Steele City	SD	Haakon	457.387	457.536	0.150	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.135
Steele City	SD	Haakon	457.663	457.718	0.055	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.050
Steele City	SD	Haakon	457.946	457.989	0.043	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.038
Steele City	SD	Haakon	458.237	458.380	0.144	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.129
Steele City	SD	Haakon	458.462	458.485	0.022	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.020
Steele City	SD	Haakon	458.527	458.580	0.053	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.047
Steele City	SD	Haakon	458.580	459.000	0.420	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.391
Steele City	SD	Haakon	459.016	459.321	0.304	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.283
Steele City	SD	Haakon	459.425	459.789	0.364	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.346
Steele City	SD	Haakon	460.660	460.708	0.049	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.000	0.034
Steele City	SD	Haakon	460.766	461.005	0.239	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.216
Steele City	SD	Haakon	461.034	461.101	0.067	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.000	0.047
Steele City	SD	Haakon	461.375	461.493	0.119	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.110
Steele City	SD	Haakon	461.573	461.584	0.011	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.010
Steele City	SD	Haakon	462.766	462.912	0.146	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.138
Steele City	SD	Haakon	462.912	462.943	0.031	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.029
Steele City	SD	Haakon	462.943	463.485	0.542	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.515
Steele City	SD	Haakon	463.747	463.997	0.250	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.237
Steele City	SD	Haakon	464.418	464.617	0.199	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.179
Steele City	SD	Haakon	464.916	465.086	0.171	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.159
Steele City	SD	Haakon	465.086	465.211	0.125	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.112
Steele City	SD	Haakon	465.564	465.787	0.223	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.207
Steele City	SD	Haakon	465.853	466.503	0.651	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.605
Steele City	SD	Haakon	468.110	468.233	0.123	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.114
Steele City	SD	Haakon	468.272	468.461	0.189	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.176
Steele City	SD	Haakon	468.461	468.705	0.244	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.000	0.171
Steele City	SD	Haakon	468.959	469.013	0.054	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.052
Steele City	SD	Haakon	469.013	469.220	0.207	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.192
Steele City	SD	Haakon	469.220	469.289	0.069	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.066
Steele City	SD	Haakon	469.289	469.584	0.294	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.274
Steele City	SD	Haakon	469.584	469.915	0.331	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.315
Steele City	SD	Haakon	470.216	470.500	0.284	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.270
Steele City	SD	Haakon	470.500	470.613	0.113	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.105
Steele City	SD	Haakon	470.710	470.870	0.160	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.149
Steele City	SD	Haakon	470.870	471.050	0.180	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.171
Steele City	SD	Haakon	471.325	471.401	0.076	SD055	Kirley-Ottumwa complex, 6 to 9 percent slopes	0.000	0.071
Steele City	SD	Haakon	471.673	471.851	0.178	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.166
Steele City	SD	Haakon	471.851	471.874	0.023	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.000	0.023
Steele City	SD	Haakon	472.257	472.333	0.076	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.000	0.076
Steele City	SD	Haakon	472.333	472.514	0.181	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.168
Steele City	SD	Haakon	472.562	472.594	0.032	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.030
Steele City	SD	Haakon	472.594	472.649	0.055	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.000	0.050
Steele City	SD	Haakon	472.649	472.926	0.277	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.257
Steele City	SD	Haakon	472.926	473.050	0.124	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.000	0.124
Steele City	SD	Haakon	473.550	473.774	0.224	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.000	0.224
Steele City	SD	Haakon	473.774	473.928	0.154	SD055	Pierre clay, 6 to 9 percent slopes	0.000	0.146
Steele City	SD	Haakon	473.928	474.150	0.222	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.207
Steele City	SD	Haakon	474.150	474.207	0.057	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.000	0.057
Steele City	SD	Haakon	474.414	474.677	0.263	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.244
Steele City	SD	Haakon	474.889	474.922	0.033	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.031

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	SD	Haakon	478.012	478.324	0.312	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.000	0.218
Steele City	SD	Haakon	478.324	478.621	0.297	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.000	0.297
Steele City	SD	Haakon	478.621	478.798	0.177	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.165
Steele City	SD	Haakon	479.260	479.554	0.294	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.274
Steele City	SD	Haakon	479.554	479.690	0.137	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.000	0.137
Steele City	SD	Haakon	479.690	480.065	0.375	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.000	0.262
Steele City	SD	Haakon	480.065	480.275	0.209	SD055	Schamber-Samsil complex, 6 to 60 percent slopes	0.000	0.209
Steele City	SD	Haakon	480.275	480.702	0.427	SD055	Sansarc-0pal clays, 9 to 40 percent slopes	0.000	0.385
Steele City	SD	Haakon	481.544	482.009	0.465	SD055	Sansarc-0pal clays, 9 to 40 percent slopes	0.000	0.418
Steele City	SD	Haakon	482.009	482.386	0.377	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.351
Steele City	SD	Haakon	482.486	482.604	0.118	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.110
Steele City	SD	Haakon	482.604	482.690	0.086	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.080
Steele City	SD	Haakon	482.690	482.701	0.011	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.011
Steele City	SD	Haakon	482.701	482.797	0.096	SD055	Sansarc-0pal clays, 9 to 40 percent slopes	0.000	0.086
Steele City	SD	Haakon	482.797	483.033	0.236	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.219
Steele City	SD	Haakon	483.396	483.427	0.030	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.028
Steele City	SD	Haakon	484.135	484.245	0.110	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.000	0.110
Steele City	SD	Haakon	484.300	484.353	0.052	SD055	Kirley clay loam, 6 to 15 percent slopes	0.000	0.051
Steele City	SD	Haakon	484.353	484.484	0.131	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.000	0.092
Steele City	SD	Haakon	484.797	484.874	0.076	SD055	Kirley clay loam, 6 to 15 percent slopes	0.000	0.074
Steele City	SD	Haakon	484.874	484.931	0.057	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.000	0.040
Steele City	SD	Jones	484.931	484.953	0.023	SD075	Kirley-Vivian complex, 9 to 25 percent slopes	0.000	0.023
Steele City	SD	Jones	485.092	485.132	0.040	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.038
Steele City	SD	Jones	485.208	485.647	0.439	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.373
Steele City	SD	Jones	485.647	485.708	0.061	SD075	Kirley-Vivian complex, 9 to 25 percent slopes	0.000	0.061
Steele City	SD	Jones	485.848	485.957	0.109	SD075	Kirley clay loam, 9 to 15 percent slopes	0.000	0.104
Steele City	SD	Jones	486.066	486.238	0.172	SD075	Kirley clay loam, 9 to 15 percent slopes	0.000	0.163
Steele City	SD	Jones	486.238	486.684	0.445	SD075	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	0.000	0.254
Steele City	SD	Jones	486.684	486.830	0.146	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.124
Steele City	SD	Jones	487.261	487.431	0.170	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.151
Steele City	SD	Jones	487.431	487.592	0.161	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.150
Steele City	SD	Jones	487.592	487.715	0.123	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.105
Steele City	SD	Jones	487.715	488.243	0.527	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.490
Steele City	SD	Jones	488.243	489.163	0.921	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.783
Steele City	SD	Jones	489.163	489.293	0.130	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.115
Steele City	SD	Jones	489.293	489.463	0.170	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.144
Steele City	SD	Jones	489.720	489.736	0.016	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.015
Steele City	SD	Jones	489.736	489.935	0.199	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.169
Steele City	SD	Jones	489.935	490.138	0.203	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.189
Steele City	SD	Jones	490.138	490.543	0.405	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.345
Steele City	SD	Jones	491.210	491.220	0.010	SD075	Kirley-Vivian complex, 9 to 25 percent slopes	0.000	0.010
Steele City	SD	Jones	491.263	491.457	0.194	SD075	Kirley-Vivian complex, 9 to 25 percent slopes	0.000	0.194
Steele City	SD	Jones	491.457	491.847	0.390	SD075	Kirley clay loam, 9 to 15 percent slopes	0.000	0.370
Steele City	SD	Jones	491.847	492.153	0.306	SD075	Opal clay loam, 6 to 15 percent slopes	0.000	0.275
Steele City	SD	Jones	492.153	492.271	0.119	SD075	Opal clay loam, 6 to 9 percent slopes	0.000	0.113
Steele City	SD	Jones	492.271	492.364	0.093	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.079
Steele City	SD	Jones	492.364	492.454	0.091	SD075	Lakoma-Vivian complex, 9 to 25 percent slopes	0.000	0.091
Steele City	SD	Jones	492.454	492.480	0.026	SD075	Opal clay loam, 6 to 9 percent slopes	0.000	0.025
Steele City	SD	Jones	492.480	493.177	0.697	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.592
Steele City	SD	Jones	493.468	493.589	0.120	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.102
Steele City	SD	Jones	493.634	493.850	0.216	SD075	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	0.000	0.123
Steele City	SD	Jones	493.850	493.959	0.108	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.092
Steele City	SD	Jones	493.959	493.987	0.028	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.026
Steele City	SD	Jones	493.987	494.156	0.170	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.144
Steele City	SD	Jones	494.420	494.555	0.135	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.115
Steele City	SD	Jones	495.355	495.373	0.018	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.016
Steele City	SD	Jones	495.556	496.233	0.677	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.576
Steele City	SD	Jones	496.233	496.312	0.079	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.070
Steele City	SD	Jones	496.341	496.346	0.006	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.005
Steele City	SD	Jones	496.346	496.668	0.322	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.274
Steele City	SD	Jones	496.782	497.126	0.344	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.306
Steele City	SD	Jones	497.126	497.274	0.148	SD075	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	0.000	0.084
Steele City	SD	Jones	497.274	497.346	0.072	SD075	Kirley clay loam, 9 to 15 percent slopes	0.000	0.069
Steele City	SD	Jones	497.346	497.746	0.399	SD075	Kirley-Vivian complex, 9 to 25 percent slopes	0.000	0.399
Steele City	SD	Jones	498.290	498.454	0.165	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.140
Steele City	SD	Jones	498.595	498.771	0.176	SD075	Promise clay, 6 to 9 percent slopes	0.000	0.164
Steele City	SD	Jones	500.242	500.348	0.106	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.090
Steele City	SD	Jones	500.499	500.939	0.439	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.374
Steele City	SD	Jones	501.238	501.386	0.149	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.131
Steele City	SD	Jones	501.484	501.614	0.130	SD075	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	0.000	0.074
Steele City	SD	Jones	501.614	501.816	0.202	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.171
Steele City	SD	Jones	501.816	501.978	0.163	SD075	Promise clay, 6 to 9 percent slopes	0.000	0.151
Steele City	SD	Jones	502.067	502.162	0.095	SD075	Sansarc-Opal clays, 9 to 40 percent slopes	0.000	0.087
Steele City	SD	Jones	502.194	502.241	0.046	SD075	Sansarc-Opal clays, 9 to 40 percent slopes	0.000	0.043
Steele City	SD	Jones	502.725	502.799	0.074	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.065
Steele City	SD	Jones	502.799	503.905	1.106	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.940
Steele City	SD	Jones	503.905	504.024	0.119	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.106
Steele City	SD	Jones	504.024	504.880	0.856	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.728

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	SD	Jones	504.880	504.953	0.072	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.064
Steele City	SD	Jones	504.953	505.127	0.174	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.148
Steele City	SD	Jones	505.127	505.397	0.271	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.238
Steele City	SD	Jones	505.397	505.422	0.024	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.023
Steele City	SD	Jones	505.422	505.686	0.264	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.235
Steele City	SD	Jones	505.686	505.783	0.097	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.085
Steele City	SD	Jones	505.783	506.138	0.355	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.341
Steele City	SD	Jones	506.138	506.185	0.047	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.042
Steele City	SD	Jones	506.185	506.221	0.036	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.030
Steele City	SD	Jones	506.221	506.245	0.024	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.021
Steele City	SD	Jones	506.245	506.409	0.164	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.140
Steele City	SD	Jones	506.628	506.678	0.050	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.044
Steele City	SD	Jones	506.678	506.882	0.203	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.195
Steele City	SD	Jones	507.274	507.381	0.106	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.093
Steele City	SD	Jones	507.381	507.504	0.124	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.105
Steele City	SD	Jones	507.606	507.649	0.043	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.040
Steele City	SD	Jones	507.649	507.700	0.051	SD075	Herdcamp-Bullcreek complex	0.000	0.002
Steele City	SD	Jones	507.700	507.752	0.052	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.046
Steele City	SD	Jones	507.822	507.929	0.107	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.094
Steele City	SD	Jones	507.929	508.104	0.175	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.168
Steele City	SD	Jones	508.104	508.177	0.074	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.065
Steele City	SD	Jones	508.177	508.276	0.099	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.095
Steele City	SD	Jones	508.452	508.527	0.075	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.072
Steele City	SD	Jones	508.527	508.856	0.329	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.290
Steele City	SD	Jones	508.856	509.331	0.476	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.404
Steele City	SD	Jones	509.613	509.865	0.252	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.242
Steele City	SD	Jones	509.925	510.334	0.409	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.360
Steele City	SD	Jones	510.334	510.433	0.099	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.095
Steele City	SD	Jones	510.433	510.851	0.418	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.367
Steele City	SD	Jones	510.851	511.965	1.114	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.947
Steele City	SD	Jones	512.007	512.093	0.086	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.083
Steele City	SD	Jones	512.854	512.915	0.061	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.054
Steele City	SD	Jones	512.915	512.990	0.075	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.064
Steele City	SD	Jones	512.990	513.364	0.374	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.330
Steele City	SD	Jones	513.364	513.548	0.184	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.163
Steele City	SD	Jones	513.548	513.671	0.124	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.105
Steele City	SD	Jones	513.769	513.885	0.116	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.111
Steele City	SD	Jones	513.885	514.299	0.414	SD075	Opal clay, 6 to 15 percent slopes	0.000	0.364
Steele City	SD	Jones	514.299	515.328	1.029	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.874
Steele City	SD	Jones	515.677	515.789	0.112	SD075	Promise-Bullcreek clays	0.000	0.003
Steele City	SD	Jones	516.122	516.176	0.055	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.049
Steele City	SD	Jones	516.726	516.983	0.257	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.229
Steele City	SD	Jones	517.233	517.277	0.045	SD075	Herdcamp-Bullcreek complex	0.000	0.001
Steele City	SD	Jones	517.277	517.367	0.090	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.076
Steele City	SD	Jones	517.367	517.513	0.146	SD075	Opal clay, 6 to 9 percent slopes	0.000	0.141
Steele City	SD	Jones	518.181	518.270	0.088	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.079
Steele City	SD	Jones	518.270	518.874	0.604	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.514
Steele City	SD	Jones	518.898	519.378	0.480	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.000	0.408
Steele City	SD	Jones	519.378	519.604	0.226	SD075	Opal clay loam, 6 to 15 percent slopes	0.000	0.203
Steele City	SD	Jones	519.604	519.944	0.340	SD075	Opal clay loam, 6 to 9 percent slopes	0.000	0.323
Steele City	SD	Jones	520.135	520.307	0.173	SD075	Opal clay loam, 6 to 9 percent slopes	0.000	0.164
Steele City	SD	Jones	520.325	520.422	0.097	SD075	Promise-Bullcreek clays	0.000	0.003
Steele City	SD	Jones	521.793	522.003	0.210	SD075	Promise-Bullcreek clays	0.000	0.006
Steele City	SD	Jones	522.868	523.008	0.140	SD075	Promise-Bullcreek clays	0.000	0.004
Steele City	SD	Jones	523.887	524.126	0.239	SD075	Millboro silty clay loam, 6 to 9 percent slopes	0.000	0.222
Steele City	SD	Lyman	528.644	528.796	0.151	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	0.000	0.151
Steele City	SD	Lyman	529.697	529.832	0.135	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	0.000	0.135
Steele City	SD	Lyman	530.721	530.752	0.031	SD085	Lakoma silty clay, 6 to 9 percent slopes	0.000	0.031
Steele City	SD	Lyman	532.556	532.786	0.229	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	0.000	0.229
Steele City	SD	Lyman	532.786	532.965	0.179	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.000	0.172
Steele City	SD	Lyman	533.041	533.216	0.174	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.000	0.167
Steele City	SD	Lyman	533.216	533.443	0.228	SD085	Lakoma-Okaton silty clays, 6 to 15 percent slopes	0.000	0.226
Steele City	SD	Lyman	533.443	533.681	0.238	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	0.000	0.238
Steele City	SD	Lyman	533.738	533.863	0.125	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.000	0.120
Steele City	SD	Lyman	533.863	533.995	0.133	SD085	Lakoma-Okaton silty clays, 6 to 15 percent slopes	0.000	0.131
Steele City	SD	Lyman	533.995	534.124	0.128	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	0.000	0.128
Steele City	SD	Lyman	534.124	534.283	0.159	SD085	Lakoma-Okaton silty clays, 6 to 15 percent slopes	0.000	0.158
Steele City	SD	Lyman	534.283	534.651	0.368	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	0.000	0.368
Steele City	SD	Lyman	535.586	535.774	0.188	SD085	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.188
Steele City	SD	Lyman	535.774	535.821	0.047	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.000	0.045
Steele City	SD	Lyman	535.821	535.834	0.013	SD085	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.013
Steele City	SD	Lyman	535.834	535.926	0.092	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.000	0.088
Steele City	SD	Lyman	535.926	536.025	0.099	SD085	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000	0.099
Steele City	SD	Lyman	536.025	536.612	0.587	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.000	0.564
Steele City	SD	Lyman	536.814	536.845	0.031	SD085	Bigbend silt loam	0.002	0.000
Steele City	SD	Lyman	536.845	536.875	0.030	SD085	Munjor fine sandy loam	0.001	0.000
Steele City	SD	Tripp	537.349	537.614	0.266	SD123	Opal-Sansarc clays, 9 to 25 percent slopes	0.000	0.239
Steele City	SD	Tripp	537.614	537.759	0.145	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.000	0.140

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	SD	Tripp	537.759	537.784	0.025	SD123	Westover loam, 9 to 25 percent slopes	0.000	0.025
Steele City	SD	Tripp	537.925	538.019	0.094	SD123	Westover loam, 9 to 25 percent slopes	0.000	0.093
Steele City	SD	Tripp	538.019	538.176	0.157	SD123	Ree loam, 3 to 6 percent slopes	0.000	0.005
Steele City	SD	Tripp	538.176	538.211	0.035	SD123	Westover loam, 9 to 25 percent slopes	0.000	0.035
Steele City	SD	Tripp	538.211	538.253	0.042	SD123	Ree loam, 3 to 6 percent slopes	0.000	0.001
Steele City	SD	Tripp	538.429	538.767	0.339	SD123	Ree loam, 3 to 6 percent slopes	0.000	0.010
Steele City	SD	Tripp	538.767	538.926	0.159	SD123	Westover loam, 9 to 25 percent slopes	0.000	0.157
Steele City	SD	Tripp	538.926	538.965	0.039	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.000	0.039
Steele City	SD	Tripp	538.965	539.067	0.102	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.000	0.099
Steele City	SD	Tripp	539.184	539.990	0.806	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.000	0.782
Steele City	SD	Tripp	539.990	540.226	0.236	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.000	0.234
Steele City	SD	Tripp	540.226	540.307	0.081	SD123	Schamber-Murdo complex, 15 to 40 percent slopes	0.000	0.081
Steele City	SD	Tripp	540.307	540.345	0.038	SD123	Westover loam, 9 to 25 percent slopes	0.000	0.038
Steele City	SD	Tripp	541.045	541.091	0.046	SD123	Westover loam, 9 to 25 percent slopes	0.000	0.045
Steele City	SD	Tripp	541.091	541.630	0.540	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.000	0.534
Steele City	SD	Tripp	541.630	542.136	0.505	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.000	0.490
Steele City	SD	Tripp	542.188	542.334	0.146	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.000	0.142
Steele City	SD	Tripp	542.397	542.671	0.275	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.000	0.266
Steele City	SD	Tripp	542.970	543.060	0.090	SD123	Opal clay, 3 to 9 percent slopes	0.000	0.086
Steele City	SD	Tripp	543.197	543.460	0.264	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.000	0.256
Steele City	SD	Tripp	543.460	543.916	0.455	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.000	0.451
Steele City	SD	Tripp	543.916	544.067	0.151	SD123	Ree loam, 6 to 9 percent slopes	0.000	0.136
Steele City	SD	Tripp	544.067	544.211	0.144	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.000	0.142
Steele City	SD	Tripp	544.211	544.758	0.547	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.000	0.520
Steele City	SD	Tripp	544.758	544.863	0.105	SD123	Ree loam, 6 to 9 percent slopes	0.000	0.094
Steele City	SD	Tripp	544.863	544.923	0.060	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.000	0.057
Steele City	SD	Tripp	544.923	545.100	0.177	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.000	0.175
Steele City	SD	Tripp	545.100	545.209	0.109	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.000	0.104
Steele City	SD	Tripp	545.209	546.009	0.799	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.000	0.791
Steele City	SD	Tripp	546.009	546.049	0.040	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.036
Steele City	SD	Tripp	546.049	546.050	0.001	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.000	0.001
Steele City	SD	Tripp	546.050	546.619	0.569	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.507
Steele City	SD	Tripp	547.540	547.646	0.106	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.000	0.093
Steele City	SD	Tripp	548.400	548.417	0.017	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.000	0.015
Steele City	SD	Tripp	548.420	548.598	0.177	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.000	0.154
Steele City	SD	Tripp	548.598	548.634	0.036	SD123	Ree loam, 3 to 6 percent slopes	0.000	0.001
Steele City	SD	Tripp	548.816	549.399	0.583	SD123	Reliance silty clay loam, 6 to 9 percent slopes	0.000	0.548
Steele City	SD	Tripp	550.852	551.015	0.163	SD123	Millboro silty clay, 6 to 9 percent slopes	0.000	0.150
Steele City	SD	Tripp	552.442	552.573	0.131	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.000	0.114
Steele City	SD	Tripp	552.629	553.029	0.399	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.000	0.347
Steele City	SD	Tripp	554.369	554.588	0.219	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.195
Steele City	SD	Tripp	554.649	554.800	0.151	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.134
Steele City	SD	Tripp	554.800	554.934	0.134	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.000	0.117
Steele City	SD	Tripp	554.934	555.024	0.090	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.080
Steele City	SD	Tripp	555.024	555.042	0.018	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.000	0.016
Steele City	SD	Tripp	555.042	555.191	0.149	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.133
Steele City	SD	Tripp	557.875	558.003	0.128	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.114
Steele City	SD	Tripp	561.033	561.213	0.180	SD123	Millboro silty clay, 6 to 9 percent slopes	0.000	0.166
Steele City	SD	Tripp	561.213	561.424	0.211	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.000	0.201
Steele City	SD	Tripp	561.424	561.628	0.205	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.182
Steele City	SD	Tripp	561.628	561.970	0.342	SD123	Millboro silty clay, 6 to 9 percent slopes	0.000	0.314
Steele City	SD	Tripp	561.970	562.041	0.071	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.063
Steele City	SD	Tripp	562.041	562.503	0.462	SD123	Millboro silty clay, 6 to 9 percent slopes	0.000	0.425
Steele City	SD	Tripp	563.260	563.483	0.223	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.198
Steele City	SD	Tripp	563.537	563.649	0.112	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.100
Steele City	SD	Tripp	563.649	563.778	0.129	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.000	0.123
Steele City	SD	Tripp	563.778	563.879	0.101	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.000	0.087
Steele City	SD	Tripp	563.954	563.962	0.008	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.000	0.007
Steele City	SD	Tripp	563.983	564.051	0.068	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.000	0.060
Steele City	SD	Tripp	564.051	564.303	0.252	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.000	0.239
Steele City	SD	Tripp	564.303	564.535	0.232	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.206
Steele City	SD	Tripp	564.535	564.567	0.033	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.000	0.031
Steele City	SD	Tripp	564.567	564.619	0.051	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.000	0.045
Steele City	SD	Tripp	564.619	564.759	0.140	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.000	0.133
Steele City	SD	Tripp	564.759	564.858	0.099	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.088
Steele City	SD	Tripp	565.049	565.299	0.250	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.223
Steele City	SD	Tripp	565.554	565.623	0.070	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.062
Steele City	SD	Tripp	565.623	565.721	0.098	SD123	Inavale complex, channeled	0.080	0.000
Steele City	SD	Tripp	567.860	567.930	0.071	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.063
Steele City	SD	Tripp	567.930	568.619	0.689	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.000	0.655
Steele City	SD	Tripp	568.619	568.894	0.274	SD123	Ree loam, 6 to 9 percent slopes	0.000	0.247
Steele City	SD	Tripp	568.894	568.913	0.020	SD123	Millboro silty clay, 6 to 9 percent slopes	0.000	0.018
Steele City	SD	Tripp	568.913	569.279	0.365	SD123	Ree loam, 6 to 9 percent slopes	0.000	0.329
Steele City	SD	Tripp	569.279	569.361	0.082	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.073
Steele City	SD	Tripp	569.361	569.546	0.185	SD123	Ree loam, 6 to 9 percent slopes	0.000	0.166
Steele City	SD	Tripp	569.546	569.647	0.101	SD123	Ree loam, 9 to 15 percent slopes	0.000	0.098
Steele City	SD	Tripp	569.647	569.801	0.154	SD123	Ree loam, 6 to 9 percent slopes	0.000	0.139
Steele City	SD	Tripp	569.801	569.944	0.143	SD123	Promise clay, 6 to 9 percent slopes	0.000	0.135

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	SD	Tripp	569.944	570.016	0.073	SD123	Millboro silty clay, 6 to 9 percent slopes	0.000	0.067
Steele City	SD	Tripp	570.016	570.101	0.084	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.008	0.067
Steele City	SD	Tripp	570.101	570.518	0.418	SD123	Ree loam, 6 to 9 percent slopes	0.000	0.376
Steele City	SD	Tripp	570.518	570.641	0.123	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.004	0.000
Steele City	SD	Tripp	570.732	570.882	0.150	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.005	0.000
Steele City	SD	Tripp	570.882	571.093	0.211	SD123	Anselmo fine sandy loam, 3 to 6 percent slopes	0.006	0.000
Steele City	SD	Tripp	571.197	571.326	0.129	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.118	0.000
Steele City	SD	Tripp	571.326	571.329	0.003	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.003	0.000
Steele City	SD	Tripp	571.329	571.390	0.062	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.057	0.000
Steele City	SD	Tripp	571.390	571.439	0.049	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.047	0.000
Steele City	SD	Tripp	571.439	571.609	0.170	SD123	Anselmo loamy fine sand, 0 to 9 percent slopes, eroded	0.153	0.000
Steele City	SD	Tripp	571.609	572.182	0.573	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.544	0.000
Steele City	SD	Tripp	572.182	572.241	0.060	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.032	0.000
Steele City	SD	Tripp	572.241	572.354	0.113	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.107	0.000
Steele City	SD	Tripp	572.354	572.542	0.187	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.099	0.000
Steele City	SD	Tripp	572.542	572.657	0.116	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.000	0.103
Steele City	SD	Tripp	573.083	573.238	0.155	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.151	0.000
Steele City	SD	Tripp	573.238	573.837	0.599	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.317	0.000
Steele City	SD	Tripp	573.837	573.935	0.098	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.095	0.000
Steele City	SD	Tripp	573.935	574.070	0.135	SD123	Elsmere fine sandy loam	0.007	0.000
Steele City	SD	Tripp	574.070	574.175	0.105	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.102	0.000
Steele City	SD	Tripp	574.175	574.244	0.069	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.066	0.000
Steele City	SD	Tripp	574.244	574.315	0.071	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.038	0.000
Steele City	SD	Tripp	574.315	574.387	0.071	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.069	0.000
Steele City	SD	Tripp	574.387	574.547	0.160	SD123	Elsmere fine sandy loam	0.008	0.000
Steele City	SD	Tripp	574.547	574.613	0.066	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.064	0.000
Steele City	SD	Tripp	574.613	574.686	0.073	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.038	0.000
Steele City	SD	Tripp	574.686	575.191	0.505	SD123	Valentine-Longpine complex, 6 to 15 percent slopes	0.394	0.000
Steele City	SD	Tripp	575.191	575.195	0.004	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.004	0.000
Steele City	SD	Tripp	575.195	575.748	0.553	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.537	0.000
Steele City	SD	Tripp	575.748	575.953	0.205	SD123	Ronson-Longpine fine sandy loams, 0 to 6 percent slopes	0.012	0.000
Steele City	SD	Tripp	575.953	576.110	0.157	SD123	Valentine-Longpine complex, 6 to 15 percent slopes	0.123	0.000
Steele City	SD	Tripp	576.110	576.224	0.114	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.110	0.000
Steele City	SD	Tripp	576.224	576.406	0.182	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.097	0.000
Steele City	SD	Tripp	576.406	576.444	0.038	SD123	Elsmere fine sandy loam	0.002	0.000
Steele City	SD	Tripp	576.444	576.542	0.098	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.052	0.000
Steele City	SD	Tripp	576.542	576.619	0.077	SD123	Elsmere fine sandy loam	0.004	0.000
Steele City	SD	Tripp	576.619	576.778	0.159	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.084	0.000
Steele City	SD	Tripp	576.778	576.882	0.104	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.101	0.000
Steele City	SD	Tripp	576.882	577.017	0.135	SD123	Ronson fine sandy loam, 0 to 4 percent slopes	0.004	0.000
Steele City	SD	Tripp	577.194	577.287	0.092	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.085	0.000
Steele City	SD	Tripp	577.287	577.375	0.089	SD123	Anselmo fine sandy loam, 3 to 6 percent slopes	0.003	0.000
Steele City	SD	Tripp	577.375	577.592	0.217	SD123	Elsmere fine sandy loam	0.011	0.000
Steele City	SD	Tripp	577.592	577.634	0.041	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.038	0.000
Steele City	SD	Tripp	577.874	577.917	0.043	SD123	Vetal fine sandy loam	0.002	0.000
Steele City	SD	Tripp	577.917	578.044	0.127	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.117	0.000
Steele City	SD	Tripp	578.044	578.114	0.070	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.067	0.000
Steele City	SD	Tripp	578.417	578.791	0.375	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.363	0.000
Steele City	SD	Tripp	578.791	578.884	0.093	SD123	Whitelake fine sandy loam	0.003	0.000
Steele City	SD	Tripp	578.884	579.007	0.122	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.113	0.000
Steele City	SD	Tripp	579.007	579.189	0.182	SD123	Whitelake fine sandy loam	0.005	0.000
Steele City	SD	Tripp	579.189	579.335	0.146	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.134	0.000
Steele City	SD	Tripp	579.335	579.403	0.069	SD123	Whitelake-Lute fine sandy loams	0.006	0.000
Steele City	SD	Tripp	580.479	580.531	0.053	SD123	Longpine-Rock outcrop complex, 15 to 40 percent slopes	0.003	0.046
Steele City	SD	Tripp	580.531	580.642	0.111	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.102	0.000
Steele City	SD	Tripp	580.642	580.828	0.186	SD123	Whitelake fine sandy loam	0.006	0.000
Steele City	SD	Tripp	580.828	580.972	0.144	SD123	Whitelake-Lute fine sandy loams	0.013	0.000
Steele City	SD	Tripp	580.972	581.009	0.037	SD123	Whitelake fine sandy loam	0.001	0.000
Steele City	SD	Tripp	581.009	581.035	0.026	SD123	Whitelake-Lute fine sandy loams	0.002	0.000
Steele City	SD	Tripp	581.035	581.237	0.202	SD123	Whitelake fine sandy loam	0.006	0.000
Steele City	SD	Tripp	581.237	581.330	0.093	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.086	0.000
Steele City	SD	Tripp	581.330	581.476	0.145	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.138	0.000
Steele City	SD	Tripp	581.476	581.853	0.378	SD123	Valentine-Longpine complex, 6 to 15 percent slopes	0.295	0.000
Steele City	SD	Tripp	581.853	581.938	0.084	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.078	0.000
Steele City	SD	Tripp	581.938	581.982	0.045	SD123	Valentine-Longpine complex, 6 to 15 percent slopes	0.035	0.000
Steele City	SD	Tripp	581.982	582.097	0.114	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.105	0.000
Steele City	SD	Tripp	582.097	582.215	0.119	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.115	0.000
Steele City	SD	Tripp	582.215	582.267	0.052	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.027	0.000
Steele City	SD	Tripp	582.267	582.389	0.122	SD123	Valentine-Longpine complex, 6 to 15 percent slopes	0.095	0.000
Steele City	SD	Tripp	582.389	582.600	0.211	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.200	0.000
Steele City	SD	Tripp	582.600	582.644	0.044	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.043	0.000
Steele City	SD	Tripp	582.644	582.681	0.037	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.020	0.000
Steele City	SD	Tripp	582.681	582.764	0.083	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.081	0.000
Steele City	SD	Tripp	582.764	582.852	0.088	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.047	0.000
Steele City	SD	Tripp	582.852	582.960	0.108	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.105	0.000
Steele City	SD	Tripp	582.960	583.013	0.054	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.051	0.000
Steele City	SD	Tripp	583.013	583.032	0.019	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.017	0.000
Steele City	SD	Tripp	583.032	583.108	0.076	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.072	0.000

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	SD	Tripp	583.108	583.281	0.173	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.159	0.000
Steele City	SD	Tripp	583.281	583.357	0.077	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.073	0.000
Steele City	SD	Tripp	583.357	583.564	0.207	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.201	0.000
Steele City	SD	Tripp	583.564	583.646	0.082	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.043	0.000
Steele City	SD	Tripp	583.646	583.850	0.204	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.194	0.000
Steele City	SD	Tripp	583.850	583.894	0.044	SD123	Ronson fine sandy loam, 0 to 4 percent slopes	0.001	0.000
Steele City	SD	Tripp	583.894	583.898	0.003	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.003	0.000
Steele City	SD	Tripp	583.898	584.292	0.394	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.362	0.000
Steele City	SD	Tripp	584.292	584.411	0.119	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.063	0.000
Steele City	SD	Tripp	584.411	584.675	0.264	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.256	0.000
Steele City	SD	Tripp	584.675	584.854	0.178	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.164	0.000
Steele City	SD	Tripp	584.942	585.017	0.074	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.071	0.000
Steele City	SD	Tripp	585.305	585.308	0.002	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.002	0.000
Steele City	SD	Tripp	585.409	585.410	0.002	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001	0.000
Steele City	SD	Tripp	585.543	585.646	0.103	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.095	0.000
Steele City	SD	Tripp	585.646	585.715	0.069	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.037	0.000
Steele City	SD	Tripp	585.715	585.853	0.137	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.130	0.000
Steele City	SD	Tripp	585.853	585.937	0.084	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.082	0.000
Steele City	SD	Tripp	585.937	586.175	0.239	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.227	0.000
Steele City	SD	Tripp	586.175	586.380	0.205	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.188	0.000
Steele City	SD	Tripp	586.380	586.633	0.253	SD123	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	0.241	0.000
Steele City	SD	Tripp	586.633	587.126	0.492	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.453	0.000
Steele City	SD	Tripp	588.197	588.215	0.018	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.017	0.000
Steele City	SD	Tripp	588.215	588.331	0.115	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.061	0.000
Steele City	SD	Tripp	588.331	588.418	0.087	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.085	0.000
Steele City	SD	Tripp	588.418	588.626	0.208	SD123	Ronson-Longpine fine sandy loams, 0 to 6 percent slopes	0.013	0.000
Steele City	SD	Tripp	588.626	588.750	0.124	SD123	Ronson fine sandy loam, 0 to 4 percent slopes	0.004	0.000
Steele City	SD	Tripp	588.750	588.789	0.039	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.004	0.031
Steele City	SD	Tripp	588.789	589.051	0.262	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.257
Steele City	SD	Tripp	589.051	589.176	0.125	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.011	0.099
Steele City	SD	Tripp	589.240	589.336	0.096	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.009	0.076
Steele City	SD	Tripp	589.458	589.554	0.096	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.009	0.076
Steele City	SD	Tripp	589.554	590.019	0.464	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.014	0.000
Steele City	SD	Tripp	590.019	590.189	0.171	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.015	0.135
Steele City	SD	Tripp	590.189	590.334	0.144	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.004	0.000
Steele City	SD	Tripp	590.495	590.561	0.066	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.065
Steele City	SD	Tripp	590.561	590.756	0.195	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.006	0.000
Steele City	SD	Tripp	590.756	590.867	0.110	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.108
Steele City	SD	Tripp	590.867	590.922	0.055	SD123	Wann fine sandy loam	0.003	0.000
Steele City	SD	Tripp	591.106	591.180	0.074	SD123	Boyd clay, 5 to 9 percent slopes	0.000	0.069
Steele City	SD	Tripp	591.180	591.222	0.042	SD123	Wann fine sandy loam	0.002	0.000
Steele City	SD	Tripp	591.222	591.487	0.264	SD123	Boyd clay, 5 to 9 percent slopes	0.000	0.249
Steele City	SD	Tripp	591.487	591.541	0.054	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.053
Steele City	SD	Tripp	591.728	591.847	0.119	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.117
Steele City	SD	Tripp	591.847	592.307	0.459	SD123	Boyd-Okaton association, 9 to 25 percent slopes	0.000	0.423
Steele City	SD	Tripp	592.307	592.712	0.406	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.037	0.321
Steele City	SD	Tripp	592.712	592.731	0.019	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.018
Steele City	SD	Tripp	592.731	592.799	0.068	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.006	0.054
Steele City	SD	Tripp	592.799	592.839	0.040	SD123	Longpine-Rock outcrop complex, 15 to 40 percent slopes	0.002	0.035
Steele City	SD	Tripp	592.839	592.921	0.081	SD123	Boyd-Okaton association, 9 to 25 percent slopes	0.000	0.075
Steele City	SD	Tripp	592.921	593.009	0.088	SD123	Longpine-Rock outcrop complex, 15 to 40 percent slopes	0.004	0.077
Steele City	SD	Tripp	593.009	593.113	0.104	SD123	Anselmo fine sandy loam, 6 to 9 percent slopes	0.003	0.094
Steele City	SD	Tripp	593.113	593.227	0.114	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.112
Steele City	SD	Tripp	593.227	593.329	0.101	SD123	Anselmo fine sandy loam, 6 to 9 percent slopes	0.003	0.091
Steele City	SD	Tripp	593.329	593.451	0.123	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.120
Steele City	SD	Tripp	593.451	593.490	0.039	SD123	Anselmo fine sandy loam, 6 to 9 percent slopes	0.001	0.035
Steele City	SD	Tripp	593.490	593.646	0.156	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.153
Steele City	SD	Tripp	593.646	594.197	0.551	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.050	0.435
Steele City	SD	Tripp	594.197	594.433	0.236	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.231
Steele City	SD	Tripp	594.433	594.533	0.101	SD123	Ree loam, 3 to 6 percent slopes	0.000	0.003
Steele City	SD	Tripp	594.679	594.715	0.037	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.036
Steele City	SD	Tripp	594.715	595.143	0.428	SD123	Boyd-Okaton association, 9 to 25 percent slopes	0.000	0.393
Steele City	SD	Tripp	595.143	595.286	0.143	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.140
Steele City	SD	Tripp	595.286	595.511	0.225	SD123	Boyd-Okaton association, 9 to 25 percent slopes	0.000	0.207
Steele City	SD	Tripp	595.588	595.722	0.133	SD123	Bridgeport complex, channeled	0.009	0.000
Steele City	SD	Tripp	595.923	596.079	0.156	SD123	Dix soils, 9 to 18 percent slopes	0.000	0.148
Steele City	SD	Tripp	596.202	596.232	0.029	SD123	Dix soils, 9 to 18 percent slopes	0.000	0.028
Steele City	SD	Tripp	596.490	596.610	0.120	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.000	0.118
Steele City	SD	Tripp	596.610	596.645	0.035	SD123	Boyd-Okaton association, 9 to 25 percent slopes	0.000	0.032
Steele City	NE	Keyapaha	596.645	596.745	0.100	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.099
Steele City	NE	Keyapaha	596.745	596.780	0.035	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.000	0.034
Steele City	NE	Keyapaha	596.780	596.851	0.071	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.070
Steele City	NE	Keyapaha	596.892	596.918	0.027	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.026
Steele City	NE	Keyapaha	596.959	596.961	0.002	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.002
Steele City	NE	Keyapaha	597.032	597.039	0.006	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.006
Steele City	NE	Keyapaha	597.039	597.373	0.335	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.000	0.328
Steele City	NE	Keyapaha	597.373	597.414	0.041	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.040
Steele City	NE	Keyapaha	597.469	597.525	0.056	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.055

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	NE	Keyapaha	597.525	597.750	0.225	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.000	0.220
Steele City	NE	Keyapaha	597.834	597.982	0.149	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.147
Steele City	NE	Keyapaha	597.982	598.025	0.043	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.000	0.042
Steele City	NE	Keyapaha	598.025	598.111	0.085	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.084
Steele City	NE	Keyapaha	598.111	598.145	0.035	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.000	0.034
Steele City	NE	Keyapaha	598.145	598.192	0.046	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.046
Steele City	NE	Keyapaha	598.192	598.830	0.638	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.000	0.626
Steele City	NE	Keyapaha	598.830	598.993	0.162	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.161
Steele City	NE	Keyapaha	598.993	599.072	0.079	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.000	0.077
Steele City	NE	Keyapaha	599.072	599.120	0.048	NE103	Labu silty clay, 6 to 11 percent slopes	0.000	0.048
Steele City	NE	Keyapaha	599.544	599.558	0.014	NE103	Inavale loamy fine sand, 0 to 3 percent slopes	0.013	0.000
Steele City	NE	Keyapaha	599.558	599.638	0.080	NE103	Inavale fine sand, 3 to 11 percent slopes	0.080	0.000
Steele City	NE	Keyapaha	599.652	599.728	0.076	NE103	Inavale loamy fine sand, 0 to 3 percent slopes	0.072	0.000
Steele City	NE	Keyapaha	599.728	599.788	0.061	NE103	Inavale fine sand, channeled, 0 to 3 percent slopes	0.057	0.000
Steele City	NE	Keyapaha	599.818	599.911	0.093	NE103	Inavale loamy fine sand, 0 to 3 percent slopes	0.088	0.000
Steele City	NE	Keyapaha	599.939	600.023	0.084	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.108	0.083
Steele City	NE	Keyapaha	600.925	601.008	0.083	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.106	0.082
Steele City	NE	Keyapaha	601.008	601.226	0.219	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.217	0.000
Steele City	NE	Keyapaha	601.226	601.294	0.067	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.086	0.067
Steele City	NE	Keyapaha	601.294	601.362	0.068	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.068	0.000
Steele City	NE	Keyapaha	601.425	601.616	0.191	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.189	0.000
Steele City	NE	Keyapaha	601.802	601.873	0.070	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.090	0.070
Steele City	NE	Keyapaha	602.130	602.164	0.034	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.033	0.000
Steele City	NE	Keyapaha	602.164	602.288	0.124	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.123	0.000
Steele City	NE	Keyapaha	602.541	602.623	0.082	NE103	Valentine loamy fine sand, gently rolling	0.081	0.000
Steele City	NE	Keyapaha	602.623	602.699	0.075	NE103	Simeon-Valentine loamy sands, 0 to 3 percent slopes	0.075	0.000
Steele City	NE	Keyapaha	602.699	603.066	0.368	NE103	Valentine loamy fine sand, gently rolling	0.364	0.000
Steele City	NE	Keyapaha	603.066	603.094	0.027	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.027	0.000
Steele City	NE	Keyapaha	603.094	603.194	0.100	NE103	Valentine loamy fine sand, gently rolling	0.099	0.000
Steele City	NE	Keyapaha	603.194	603.278	0.085	NE103	Els fine sand, 0 to 2 percent slopes	0.080	0.000
Steele City	NE	Keyapaha	603.278	603.326	0.048	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.047	0.000
Steele City	NE	Keyapaha	603.326	603.484	0.158	NE103	Valentine fine sand, rolling	0.158	0.158
Steele City	NE	Keyapaha	603.484	603.532	0.048	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.047	0.000
Steele City	NE	Keyapaha	603.532	603.938	0.406	NE103	Valentine fine sand, rolling	0.406	0.406
Steele City	NE	Keyapaha	603.938	603.985	0.047	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.060	0.047
Steele City	NE	Keyapaha	603.985	604.035	0.051	NE103	Inavale fine sand, channeled, 0 to 3 percent slopes	0.048	0.000
Steele City	NE	Keyapaha	604.035	604.067	0.032	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.041	0.031
Steele City	NE	Keyapaha	604.067	604.108	0.040	NE103	Valentine loamy fine sand, gently rolling	0.040	0.000
Steele City	NE	Keyapaha	604.108	604.210	0.102	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.100	0.000
Steele City	NE	Keyapaha	604.210	604.250	0.040	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.040	0.000
Steele City	NE	Keyapaha	604.250	604.316	0.067	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.065	0.000
Steele City	NE	Keyapaha	604.316	604.360	0.044	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.056	0.044
Steele City	NE	Keyapaha	604.360	604.671	0.311	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.308	0.000
Steele City	NE	Keyapaha	604.671	604.741	0.070	NE103	Valentine fine sand, rolling	0.070	0.070
Steele City	NE	Keyapaha	604.741	604.934	0.192	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.190	0.000
Steele City	NE	Keyapaha	604.934	605.138	0.204	NE103	Valentine fine sand, rolling	0.204	0.204
Steele City	NE	Keyapaha	605.138	605.208	0.070	NE103	Dunday loamy fine sand, 0 to 3 percent slopes	0.069	0.000
Steele City	NE	Keyapaha	605.208	606.087	0.879	NE103	Valentine fine sand, rolling	0.879	0.879
Steele City	NE	Keyapaha	606.087	606.449	0.362	NE103	Valentine fine sand, hilly	0.362	0.362
Steele City	NE	Keyapaha	606.449	606.725	0.276	NE103	Valentine fine sand, rolling	0.276	0.276
Steele City	NE	Keyapaha	606.725	606.860	0.135	NE103	Valentine fine sand, hilly	0.135	0.135
Steele City	NE	Keyapaha	606.860	607.081	0.221	NE103	Valentine fine sand, rolling	0.221	0.221
Steele City	NE	Keyapaha	607.081	607.136	0.054	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.052	0.000
Steele City	NE	Keyapaha	607.136	607.465	0.329	NE103	Valentine fine sand, rolling	0.329	0.329
Steele City	NE	Keyapaha	607.633	608.287	0.654	NE103	Valentine fine sand, rolling	0.654	0.654
Steele City	NE	Keyapaha	608.287	608.303	0.017	NE103	Els fine sand, 0 to 2 percent slopes	0.016	0.000
Steele City	NE	Keyapaha	608.303	608.341	0.038	NE103	Valentine fine sand, rolling	0.038	0.038
Steele City	NE	Keyapaha	608.341	608.379	0.039	NE103	Els fine sand, 0 to 2 percent slopes	0.037	0.000
Steele City	NE	Keyapaha	608.379	608.484	0.105	NE103	Valentine fine sand, rolling	0.105	0.105
Steele City	NE	Keyapaha	608.484	608.568	0.084	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.080	0.000
Steele City	NE	Keyapaha	608.568	608.627	0.059	NE103	Valentine fine sand, rolling	0.059	0.059
Steele City	NE	Keyapaha	609.074	609.101	0.027	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.026	0.000
Steele City	NE	Keyapaha	609.184	609.230	0.046	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.044	0.000
Steele City	NE	Keyapaha	609.287	609.325	0.038	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.036	0.000
Steele City	NE	Keyapaha	609.410	609.524	0.114	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.109	0.000
Steele City	NE	Keyapaha	609.524	609.550	0.026	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.042	0.026
Steele City	NE	Keyapaha	609.550	609.584	0.033	NE103	Valentine fine sand, rolling	0.033	0.033
Steele City	NE	Keyapaha	609.584	609.622	0.038	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.061	0.038
Steele City	NE	Keyapaha	609.622	609.835	0.213	NE103	Valentine fine sand, rolling	0.213	0.213
Steele City	NE	Keyapaha	609.835	609.889	0.054	NE103	Dunday-Duda loamy fine sands, 0 to 3 percent slopes	0.053	0.000
Steele City	NE	Keyapaha	609.889	610.118	0.230	NE103	Valentine fine sand, rolling	0.230	0.230
Steele City	NE	Keyapaha	610.118	610.142	0.024	NE103	Els fine sand, 0 to 2 percent slopes	0.023	0.000
Steele City	NE	Keyapaha	610.142	610.184	0.042	NE103	Valentine fine sand, rolling	0.042	0.042
Steele City	NE	Keyapaha	610.184	610.236	0.052	NE103	Els fine sand, 0 to 2 percent slopes	0.049	0.000
Steele City	NE	Keyapaha	610.236	610.265	0.029	NE103	Valentine fine sand, rolling	0.029	0.029
Steele City	NE	Keyapaha	610.265	610.566	0.301	NE103	Els fine sand, 0 to 2 percent slopes	0.286	0.000
Steele City	NE	Keyapaha	610.566	610.726	0.160	NE103	Valentine fine sand, rolling	0.160	0.160
Steele City	NE	Keyapaha	610.726	610.987	0.261	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.412	0.258

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	NE	Keyapaha	610.987	611.117	0.130	NE103	Valentine fine sand, rolling	0.130	0.130
Steele City	NE	Keyapaha	611.117	611.136	0.019	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.030	0.019
Steele City	NE	Keyapaha	611.136	611.174	0.038	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.037	0.000
Steele City	NE	Keyapaha	611.174	611.371	0.198	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.312	0.196
Steele City	NE	Keyapaha	611.371	611.413	0.042	NE103	Valentine fine sand, rolling	0.042	0.042
Steele City	NE	Keyapaha	611.413	611.449	0.035	NE103	Els fine sand, 0 to 2 percent slopes	0.034	0.000
Steele City	NE	Keyapaha	611.449	611.522	0.073	NE103	Valentine fine sand, rolling	0.073	0.073
Steele City	NE	Keyapaha	611.596	611.722	0.126	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.120	0.000
Steele City	NE	Keyapaha	611.722	611.823	0.102	NE103	Valentine fine sand, rolling	0.102	0.102
Steele City	NE	Keyapaha	611.823	612.193	0.369	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.362	0.000
Steele City	NE	Keyapaha	612.193	612.220	0.028	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.044	0.027
Steele City	NE	Keyapaha	612.220	612.435	0.214	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.210	0.000
Steele City	NE	Keyapaha	612.435	612.583	0.149	NE103	Valentine fine sand, rolling	0.149	0.149
Steele City	NE	Keyapaha	612.583	612.670	0.087	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.085	0.000
Steele City	NE	Keyapaha	612.670	613.052	0.382	NE103	Simeon-Manter-Ronson complex, 6 to 17 percent slopes	0.603	0.378
Steele City	NE	Keyapaha	613.052	613.074	0.022	NE103	Valentine fine sand, rolling	0.022	0.022
Steele City	NE	Keyapaha	613.074	613.136	0.062	NE103	Ipage loamy fine sand, 0 to 3 percent slopes	0.061	0.000
Steele City	NE	Keyapaha	613.136	613.179	0.043	NE103	Valentine fine sand, rolling	0.043	0.043
Steele City	NE	Keyapaha	613.179	613.282	0.102	NE103	Valentine loamy fine sand, gently rolling	0.101	0.000
Steele City	NE	Keyapaha	613.282	613.483	0.201	NE103	Valentine fine sand, rolling	0.201	0.201
Steele City	NE	Keyapaha	613.483	613.774	0.291	NE103	Els fine sand, 0 to 2 percent slopes	0.277	0.000
Steele City	NE	Keyapaha	613.774	614.004	0.230	NE103	Valentine fine sand, rolling	0.230	0.230
Steele City	NE	Keyapaha	614.004	614.009	0.005	NE103	Els fine sand, 0 to 2 percent slopes	0.004	0.000
Steele City	NE	Keyapaha	614.009	614.044	0.035	NE103	Valentine fine sand, rolling	0.035	0.035
Steele City	NE	Keyapaha	614.044	614.164	0.120	NE103	Els fine sand, 0 to 2 percent slopes	0.114	0.000
Steele City	NE	Keyapaha	614.164	614.239	0.074	NE103	Elsmere loamy fine sand, 0 to 2 percent slopes	0.071	0.000
Steele City	NE	Keyapaha	614.239	614.371	0.132	NE103	Valentine-Wewela loamy fine sands, 3 to 6 percent slopes	0.131	0.000
Steele City	NE	Keyapaha	614.371	614.493	0.123	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.000	0.120
Steele City	NE	Keyapaha	614.588	614.645	0.057	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.073	0.056
Steele City	NE	Keyapaha	614.921	615.000	0.079	NE103	Boel fine sandy loam, 0 to 2 percent slopes	0.006	0.000
Steele City	NE	Rock	615.388	615.492	0.104	NE149	Labu-Sansarc silty clays, 11 to 40 percent slopes	0.000	0.103
Steele City	NE	Rock	615.879	616.159	0.280	NE149	Valentine fine sand, 0 to 3 percent slopes	0.275	0.000
Steele City	NE	Rock	616.159	616.685	0.526	NE149	Simeon-Valentine sands, 9 to 60 percent slopes, eroded	0.521	0.521
Steele City	NE	Rock	616.685	617.616	0.932	NE149	Simeon loamy sand, 0 to 3 percent slopes	0.922	0.000
Steele City	NE	Rock	617.616	617.686	0.070	NE149	Valentine fine sand, 0 to 3 percent slopes	0.068	0.000
Steele City	NE	Rock	617.839	618.046	0.207	NE149	Valentine fine sand, 0 to 3 percent slopes	0.203	0.000
Steele City	NE	Rock	618.046	618.509	0.462	NE149	Valentine fine sand, 3 to 9 percent slopes	0.453	0.000
Steele City	NE	Rock	618.509	619.100	0.591	NE149	Valentine fine sand, rolling	0.580	0.580
Steele City	NE	Rock	619.100	619.296	0.196	NE149	Els-Ipage complex, 0 to 3 percent slopes	0.177	0.000
Steele City	NE	Rock	619.296	619.689	0.393	NE149	Valentine fine sand, rolling	0.385	0.385
Steele City	NE	Rock	619.689	619.918	0.229	NE149	Valentine fine sand, 3 to 9 percent slopes	0.225	0.000
Steele City	NE	Rock	619.918	620.055	0.137	NE149	Simeon-Meadin complex, 0 to 9 percent slopes	0.075	0.000
Steele City	NE	Rock	620.204	620.369	0.165	NE149	Simeon-Meadin complex, 0 to 9 percent slopes	0.091	0.000
Steele City	NE	Rock	620.369	620.554	0.185	NE149	Valentine fine sand, rolling	0.181	0.181
Steele City	NE	Rock	620.554	620.709	0.155	NE149	Simeon-Meadin complex, 0 to 9 percent slopes	0.085	0.000
Steele City	NE	Rock	620.924	621.270	0.346	NE149	Simeon-Meadin complex, 0 to 9 percent slopes	0.190	0.000
Steele City	NE	Rock	621.681	621.880	0.199	NE149	Simeon-Meadin complex, 0 to 9 percent slopes	0.109	0.000
Steele City	NE	Rock	621.880	622.650	0.771	NE149	Elsmere loamy fine sand, 0 to 2 percent slopes	0.694	0.000
Steele City	NE	Rock	622.650	623.619	0.969	NE149	Pivot loamy sand, 0 to 3 percent slopes	0.959	0.000
Steele City	NE	Rock	623.619	623.683	0.064	NE149	Ipage loamy sand, 0 to 3 percent slopes	0.062	0.000
Steele City	NE	Rock	623.683	624.111	0.428	NE149	Elsmere loamy fine sand, 0 to 2 percent slopes	0.385	0.000
Steele City	NE	Rock	624.264	624.346	0.082	NE149	Elsmere loamy fine sand, 0 to 2 percent slopes	0.074	0.000
Steele City	NE	Rock	624.407	624.466	0.059	NE149	Elsmere loamy fine sand, 0 to 2 percent slopes	0.053	0.000
Steele City	NE	Holt	624.994	625.235	0.241	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.236	0.000
Steele City	NE	Holt	625.327	625.483	0.156	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.153	0.000
Steele City	NE	Holt	625.532	625.905	0.373	NE089	Valentine fine sand, 3 to 9 percent slopes	0.355	0.000
Steele City	NE	Holt	625.905	626.178	0.272	NE089	Valentine fine sand, 0 to 3 percent slopes	0.259	0.000
Steele City	NE	Holt	626.178	626.478	0.301	NE089	Valentine fine sand, 3 to 9 percent slopes	0.286	0.000
Steele City	NE	Holt	626.478	626.594	0.115	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.114	0.000
Steele City	NE	Holt	626.594	626.639	0.045	NE089	Valentine fine sand, 3 to 9 percent slopes	0.043	0.000
Steele City	NE	Holt	626.639	626.691	0.052	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.052	0.000
Steele City	NE	Holt	626.691	626.694	0.003	NE089	Valentine fine sand, 3 to 9 percent slopes	0.003	0.000
Steele City	NE	Holt	626.694	626.758	0.064	NE089	Valentine fine sand, 0 to 3 percent slopes	0.061	0.000
Steele City	NE	Holt	626.758	626.789	0.031	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.031	0.000
Steele City	NE	Holt	626.789	626.948	0.159	NE089	Valentine fine sand, 0 to 3 percent slopes	0.151	0.000
Steele City	NE	Holt	626.948	627.046	0.098	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.097	0.000
Steele City	NE	Holt	627.046	627.126	0.080	NE089	Valentine fine sand, 0 to 3 percent slopes	0.076	0.000
Steele City	NE	Holt	627.126	627.567	0.441	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.437	0.000
Steele City	NE	Holt	627.567	628.306	0.739	NE089	Valentine fine sand, 0 to 3 percent slopes	0.702	0.000
Steele City	NE	Holt	628.306	628.418	0.112	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.110	0.000
Steele City	NE	Holt	628.418	628.515	0.097	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.095	0.000
Steele City	NE	Holt	628.515	628.538	0.023	NE089	Barney-Boel-Calamus complex, channeled	0.008	0.000
Steele City	NE	Holt	628.538	628.631	0.094	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.092	0.000
Steele City	NE	Holt	628.631	628.667	0.036	NE089	Barney-Boel-Calamus complex, channeled	0.013	0.000
Steele City	NE	Holt	628.667	628.855	0.187	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.183	0.000
Steele City	NE	Holt	628.855	629.054	0.199	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.195	0.000
Steele City	NE	Holt	629.054	629.118	0.065	NE089	Ipage loamy sand, 0 to 3 percent slopes	0.063	0.000
Steele City	NE	Holt	629.652	629.789	0.137	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.135	0.000

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	NE	Holt	629.789	629.853	0.064	NE089	Ipage loamy sand, 0 to 3 percent slopes	0.063	0.000
Steele City	NE	Holt	629.853	629.944	0.090	NE089	Barney-Boel-Calamus complex, channeled	0.033	0.000
Steele City	NE	Holt	629.944	630.007	0.063	NE089	Ipage loamy sand, 0 to 3 percent slopes	0.062	0.000
Steele City	NE	Holt	630.007	630.062	0.055	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.054	0.000
Steele City	NE	Holt	630.062	630.094	0.032	NE089	Ipage loamy sand, 0 to 3 percent slopes	0.031	0.000
Steele City	NE	Holt	630.171	630.207	0.037	NE089	Barney-Boel-Calamus complex, channeled	0.013	0.000
Steele City	NE	Holt	630.381	630.430	0.049	NE089	Barney-Boel-Calamus complex, channeled	0.018	0.000
Steele City	NE	Holt	631.555	631.656	0.102	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.099	0.000
Steele City	NE	Holt	631.690	631.722	0.031	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.031	0.000
Steele City	NE	Holt	631.824	631.929	0.105	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.103	0.000
Steele City	NE	Holt	632.042	632.070	0.027	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.027	0.000
Steele City	NE	Holt	632.070	632.137	0.067	NE089	Valentine-Dunday loamy fine sands, 3 to 9 percent slopes	0.067	0.000
Steele City	NE	Holt	632.137	632.162	0.025	NE089	Libory loamy fine sand, 0 to 3 percent slopes	0.025	0.000
Steele City	NE	Holt	632.207	632.218	0.010	NE089	Libory loamy fine sand, 0 to 3 percent slopes	0.010	0.000
Steele City	NE	Holt	633.545	634.051	0.506	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.496	0.000
Steele City	NE	Holt	634.097	634.148	0.052	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.051	0.000
Steele City	NE	Holt	634.199	634.256	0.058	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.057	0.000
Steele City	NE	Holt	634.272	634.398	0.126	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.124	0.000
Steele City	NE	Holt	634.535	634.673	0.139	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.136	0.000
Steele City	NE	Holt	634.909	634.950	0.042	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.041	0.000
Steele City	NE	Holt	635.130	635.479	0.349	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.342	0.000
Steele City	NE	Holt	635.561	636.029	0.468	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.458	0.000
Steele City	NE	Holt	636.029	636.077	0.048	NE089	Barney-Boel-Calamus complex, channeled	0.017	0.000
Steele City	NE	Holt	636.114	636.221	0.106	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.101	0.000
Steele City	NE	Holt	636.233	636.258	0.025	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.024	0.000
Steele City	NE	Holt	636.258	636.496	0.238	NE089	Ipage loamy sand, 0 to 3 percent slopes	0.233	0.000
Steele City	NE	Holt	636.496	636.652	0.156	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.148	0.000
Steele City	NE	Holt	636.652	636.768	0.116	NE089	Valentine fine sand, 3 to 9 percent slopes	0.110	0.000
Steele City	NE	Holt	636.768	636.833	0.065	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.061	0.000
Steele City	NE	Holt	636.833	636.887	0.054	NE089	Libory loamy fine sand, 0 to 3 percent slopes	0.054	0.000
Steele City	NE	Holt	636.887	637.029	0.142	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.135	0.000
Steele City	NE	Holt	637.029	637.266	0.236	NE089	Els loamy sand, 0 to 2 percent slopes	0.229	0.000
Steele City	NE	Holt	637.266	638.312	1.046	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.994	0.000
Steele City	NE	Holt	638.410	638.454	0.044	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.043	0.000
Steele City	NE	Holt	638.454	639.280	0.826	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.784	0.000
Steele City	NE	Holt	640.722	640.787	0.066	NE089	Ipage loamy sand, 0 to 3 percent slopes	0.065	0.000
Steele City	NE	Holt	642.141	642.194	0.053	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.051	0.000
Steele City	NE	Holt	642.290	642.343	0.053	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.052	0.000
Steele City	NE	Holt	642.498	642.552	0.054	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.053	0.000
Steele City	NE	Holt	642.600	643.122	0.522	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.512	0.000
Steele City	NE	Holt	643.158	643.458	0.300	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.285	0.000
Steele City	NE	Holt	643.483	643.896	0.413	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.393	0.000
Steele City	NE	Holt	643.961	644.145	0.184	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.166	0.000
Steele City	NE	Holt	644.145	644.184	0.039	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.037	0.000
Steele City	NE	Holt	644.273	644.310	0.037	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.035	0.000
Steele City	NE	Holt	644.344	644.412	0.069	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.065	0.000
Steele City	NE	Holt	644.412	644.436	0.024	NE089	Els loamy sand, 0 to 2 percent slopes	0.023	0.000
Steele City	NE	Holt	644.846	645.064	0.218	NE089	Els loamy sand, 0 to 2 percent slopes	0.211	0.000
Steele City	NE	Holt	645.064	645.134	0.070	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.063	0.000
Steele City	NE	Holt	645.396	645.435	0.038	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.034	0.000
Steele City	NE	Holt	645.481	645.569	0.088	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.079	0.000
Steele City	NE	Holt	645.590	645.829	0.240	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.216	0.000
Steele City	NE	Holt	645.845	646.224	0.379	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.341	0.000
Steele City	NE	Holt	646.317	646.338	0.021	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.019	0.000
Steele City	NE	Holt	646.338	646.426	0.088	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.084	0.000
Steele City	NE	Holt	646.426	646.580	0.154	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.151	0.000
Steele City	NE	Holt	646.747	646.765	0.017	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.017	0.000
Steele City	NE	Holt	646.821	646.986	0.164	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.161	0.000
Steele City	NE	Holt	646.986	647.274	0.288	NE089	Barney-Boel-Calamus complex, channeled	0.104	0.000
Steele City	NE	Holt	647.274	647.651	0.378	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.370	0.000
Steele City	NE	Holt	647.744	647.824	0.079	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.078	0.000
Steele City	NE	Holt	647.901	648.622	0.722	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.686	0.000
Steele City	NE	Holt	648.622	648.847	0.225	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.203	0.000
Steele City	NE	Holt	648.873	649.171	0.298	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.283	0.000
Steele City	NE	Holt	649.171	649.253	0.082	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.074	0.000
Steele City	NE	Holt	649.253	649.385	0.132	NE089	Els loamy sand, 0 to 2 percent slopes	0.128	0.000
Steele City	NE	Holt	649.385	649.426	0.041	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.040	0.000
Steele City	NE	Holt	649.484	649.882	0.399	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.391	0.000
Steele City	NE	Holt	649.882	650.036	0.154	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.146	0.000
Steele City	NE	Holt	650.429	650.553	0.124	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.118	0.000
Steele City	NE	Holt	650.576	650.618	0.042	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.039	0.000
Steele City	NE	Holt	650.618	650.757	0.140	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.126	0.000
Steele City	NE	Holt	650.757	651.036	0.279	NE089	Valentine fine sand, rolling	0.273	0.273
Steele City	NE	Holt	651.036	651.193	0.157	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.149	0.000
Steele City	NE	Holt	651.219	651.364	0.145	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.138	0.000
Steele City	NE	Holt	651.364	651.642	0.278	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.251	0.000
Steele City	NE	Holt	651.642	651.688	0.046	NE089	Els loamy sand, 0 to 2 percent slopes	0.044	0.000
Steele City	NE	Holt	651.688	651.783	0.095	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.086	0.000

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	NE	Holt	651.783	652.025	0.241	NE089	Valentine fine sand, rolling	0.236	0.236
Steele City	NE	Holt	652.025	652.663	0.639	NE089	Valentine fine sand, Rolling, and Hilly	0.639	0.639
Steele City	NE	Holt	652.663	652.921	0.258	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.232	0.000
Steele City	NE	Holt	653.419	653.809	0.390	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.351	0.000
Steele City	NE	Holt	653.809	653.877	0.068	NE089	Almeria-Calamus complex, channeled	0.031	0.000
Steele City	NE	Holt	653.877	654.359	0.482	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.458	0.000
Steele City	NE	Holt	654.359	654.492	0.133	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.120	0.000
Steele City	NE	Holt	654.492	655.095	0.603	NE089	Valentine fine sand, rolling	0.591	0.591
Steele City	NE	Holt	655.095	655.284	0.189	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.170	0.000
Steele City	NE	Holt	655.284	655.367	0.083	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.079	0.000
Steele City	NE	Holt	655.446	655.587	0.141	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.138	0.000
Steele City	NE	Holt	655.587	655.590	0.003	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.003	0.000
Steele City	NE	Holt	655.590	655.597	0.006	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.006	0.000
Steele City	NE	Holt	655.685	655.816	0.131	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.128	0.000
Steele City	NE	Holt	655.872	655.976	0.104	NE089	Elsmere loamy fine sand, 0 to 2 percent slopes	0.102	0.000
Steele City	NE	Holt	655.976	656.177	0.201	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.197	0.000
Steele City	NE	Holt	656.177	656.225	0.048	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.046	0.000
Steele City	NE	Holt	656.225	656.418	0.193	NE089	Elsmere-Ipage loamy fine sands, 0 to 3 percent slopes	0.189	0.000
Steele City	NE	Holt	656.418	656.551	0.133	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.120	0.000
Steele City	NE	Holt	656.551	657.108	0.556	NE089	Valentine fine sand, rolling	0.545	0.545
Steele City	NE	Holt	657.108	657.468	0.360	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.324	0.000
Steele City	NE	Holt	657.549	657.614	0.065	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.061	0.000
Steele City	NE	Holt	657.614	657.866	0.252	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.227	0.000
Steele City	NE	Holt	657.866	657.900	0.034	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.032	0.000
Steele City	NE	Holt	657.923	658.243	0.321	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.289	0.000
Steele City	NE	Holt	658.243	658.394	0.151	NE089	Valentine fine sand, rolling	0.148	0.148
Steele City	NE	Holt	658.394	658.555	0.161	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.145	0.000
Steele City	NE	Holt	658.555	659.345	0.790	NE089	Valentine fine sand, rolling	0.774	0.774
Steele City	NE	Holt	659.345	659.401	0.056	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.051	0.000
Steele City	NE	Holt	659.535	659.547	0.012	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.011	0.000
Steele City	NE	Holt	659.739	660.003	0.264	NE089	Els loamy sand, 0 to 2 percent slopes	0.256	0.000
Steele City	NE	Holt	660.003	660.129	0.126	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.119	0.000
Steele City	NE	Holt	660.129	660.244	0.115	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.104	0.000
Steele City	NE	Holt	660.244	660.370	0.126	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.120	0.000
Steele City	NE	Holt	660.370	660.446	0.076	NE089	Blown out land-Valentine complex, 6 to 60 percent slopes	0.072	0.072
Steele City	NE	Holt	660.446	660.607	0.161	NE089	Valentine fine sand, rolling	0.158	0.158
Steele City	NE	Holt	660.607	660.698	0.091	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.086	0.000
Steele City	NE	Holt	660.932	661.019	0.087	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.083	0.000
Steele City	NE	Holt	661.095	661.151	0.056	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.053	0.000
Steele City	NE	Holt	661.151	661.260	0.109	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.098	0.000
Steele City	NE	Holt	661.326	661.350	0.024	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.023	0.000
Steele City	NE	Holt	661.350	661.520	0.169	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.152	0.000
Steele City	NE	Holt	661.520	661.682	0.163	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.155	0.000
Steele City	NE	Holt	661.682	661.842	0.159	NE089	Valentine fine sand, rolling	0.156	0.156
Steele City	NE	Holt	661.842	662.085	0.244	NE089	Valentine fine sand, Rolling, and Hilly	0.244	0.244
Steele City	NE	Holt	662.085	662.458	0.372	NE089	Valentine fine sand, rolling	0.365	0.365
Steele City	NE	Holt	662.458	662.721	0.263	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.250	0.000
Steele City	NE	Holt	662.721	662.794	0.073	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.066	0.000
Steele City	NE	Holt	662.794	663.015	0.221	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.210	0.000
Steele City	NE	Holt	663.126	663.213	0.087	NE089	Els loamy sand, 0 to 2 percent slopes	0.084	0.000
Steele City	NE	Holt	663.298	663.352	0.054	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.051	0.000
Steele City	NE	Holt	663.352	663.573	0.221	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	0.217	0.000
Steele City	NE	Holt	663.573	663.813	0.240	NE089	Els loamy sand, 0 to 2 percent slopes	0.232	0.000
Steele City	NE	Holt	663.813	663.857	0.045	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.042	0.000
Steele City	NE	Holt	663.941	663.974	0.033	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.031	0.000
Steele City	NE	Holt	663.974	664.355	0.381	NE089	Els loamy sand, 0 to 2 percent slopes	0.369	0.000
Steele City	NE	Holt	664.355	664.537	0.182	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.173	0.000
Steele City	NE	Holt	664.537	664.603	0.066	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.059	0.000
Steele City	NE	Holt	664.603	664.626	0.023	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.022	0.000
Steele City	NE	Holt	664.738	664.910	0.172	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.163	0.000
Steele City	NE	Holt	665.049	665.337	0.288	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.274	0.000
Steele City	NE	Holt	665.387	665.519	0.132	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.126	0.000
Steele City	NE	Holt	665.591	665.692	0.101	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.096	0.000
Steele City	NE	Holt	665.692	665.695	0.003	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.003	0.000
Steele City	NE	Holt	665.695	665.749	0.054	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.051	0.000
Steele City	NE	Holt	665.749	665.792	0.043	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.039	0.000
Steele City	NE	Holt	665.792	666.353	0.561	NE089	Valentine fine sand, Rolling, and Hilly	0.561	0.561
Steele City	NE	Holt	666.353	666.556	0.203	NE089	Valentine fine sand, rolling	0.199	0.199
Steele City	NE	Holt	666.556	666.647	0.092	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.083	0.000
Steele City	NE	Holt	666.647	666.710	0.062	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.059	0.000
Steele City	NE	Holt	666.710	667.060	0.350	NE089	Valentine fine sand, 3 to 9 percent slopes	0.332	0.000
Steele City	NE	Holt	667.060	667.090	0.030	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.028	0.000
Steele City	NE	Holt	667.168	667.331	0.163	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.155	0.000
Steele City	NE	Holt	667.331	667.727	0.397	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.357	0.000
Steele City	NE	Holt	667.727	667.757	0.030	NE089	Valentine fine sand, rolling	0.030	0.030
Steele City	NE	Holt	667.757	667.922	0.164	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.148	0.000
Steele City	NE	Holt	667.922	668.026	0.105	NE089	Valentine fine sand, rolling	0.102	0.102
Steele City	NE	Holt	668.026	668.916	0.890	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.801	0.000

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	NE	Holt	668.916	669.015	0.099	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.094	0.000
Steele City	NE	Holt	669.015	669.078	0.063	NE089	Valentine-Els complex, 0 to 9 percent slopes	0.057	0.000
Steele City	NE	Holt	669.078	669.331	0.253	NE089	Els-Ipage complex, 0 to 3 percent slopes	0.240	0.000
Steele City	NE	Garfield	669.331	669.406	0.075	NE071	Els-Ipage complex, 0 to 3 percent slopes	0.067	0.000
Steele City	NE	Garfield	669.406	669.440	0.034	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.032	0.000
Steele City	NE	Garfield	669.440	669.479	0.039	NE071	Els-Ipage complex, 0 to 3 percent slopes	0.035	0.000
Steele City	NE	Garfield	669.479	670.065	0.586	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.545	0.000
Steele City	NE	Garfield	670.088	670.137	0.049	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.046	0.000
Steele City	NE	Garfield	670.137	670.177	0.040	NE071	Els-Ipage complex, 0 to 3 percent slopes	0.036	0.000
Steele City	NE	Garfield	670.177	670.242	0.064	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.060	0.000
Steele City	NE	Garfield	670.242	670.352	0.110	NE071	Valentine fine sand, rolling	0.108	0.108
Steele City	NE	Garfield	670.352	670.466	0.114	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.106	0.000
Steele City	NE	Garfield	670.466	670.646	0.180	NE071	Valentine fine sand, rolling	0.176	0.176
Steele City	NE	Garfield	670.646	670.748	0.102	NE071	Blownout land-Valentine complex, 6 to 60 percent slopes	0.097	0.097
Steele City	NE	Garfield	670.748	670.972	0.224	NE071	Valentine fine sand, rolling	0.219	0.219
Steele City	NE	Garfield	670.972	671.085	0.113	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.105	0.000
Steele City	NE	Garfield	671.085	671.371	0.286	NE071	Valentine fine sand, rolling	0.280	0.280
Steele City	NE	Garfield	671.371	671.744	0.373	NE071	Valentine fine sand, rolling and hilly	0.366	0.366
Steele City	NE	Garfield	671.744	671.786	0.042	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.039	0.000
Steele City	NE	Garfield	671.786	671.849	0.062	NE071	Valentine fine sand, rolling	0.061	0.061
Steele City	NE	Garfield	671.849	671.878	0.029	NE071	Tryon-Ipage complex, 0 to 3 percent slopes	0.012	0.000
Steele City	NE	Garfield	671.878	671.908	0.030	NE071	Valentine fine sand, rolling	0.030	0.030
Steele City	NE	Garfield	671.908	671.940	0.032	NE071	Tryon-Ipage complex, 0 to 3 percent slopes	0.013	0.000
Steele City	NE	Garfield	671.940	671.966	0.026	NE071	Valentine fine sand, rolling	0.025	0.025
Steele City	NE	Garfield	671.966	671.974	0.009	NE071	Tryon-Ipage complex, 0 to 3 percent slopes	0.004	0.000
Steele City	NE	Garfield	671.974	672.045	0.071	NE071	Valentine fine sand, rolling	0.069	0.069
Steele City	NE	Garfield	672.045	672.086	0.041	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.038	0.000
Steele City	NE	Garfield	672.086	672.128	0.042	NE071	Valentine fine sand, rolling	0.041	0.041
Steele City	NE	Garfield	672.128	672.181	0.052	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.049	0.000
Steele City	NE	Garfield	672.181	672.275	0.094	NE071	Valentine fine sand, rolling	0.093	0.093
Steele City	NE	Garfield	672.275	672.421	0.146	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.136	0.000
Steele City	NE	Garfield	672.421	672.459	0.038	NE071	Valentine fine sand, rolling	0.037	0.037
Steele City	NE	Garfield	672.459	672.526	0.067	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.063	0.000
Steele City	NE	Garfield	672.551	672.645	0.094	NE071	Valentine-Els complex, 0 to 9 percent slopes	0.088	0.000
Steele City	NE	Garfield	672.645	672.935	0.290	NE071	Valentine fine sand, rolling	0.284	0.284
Steele City	NE	Garfield	672.935	673.245	0.310	NE071	Valentine fine sand, rolling and hilly	0.304	0.304
Steele City	NE	Garfield	673.245	674.016	0.771	NE071	Valentine fine sand, rolling	0.756	0.756
Steele City	NE	Garfield	674.016	674.074	0.058	NE071	Blownout land-Valentine complex, 6 to 60 percent slopes	0.055	0.055
Steele City	NE	Garfield	674.074	674.107	0.033	NE071	Valentine fine sand, rolling	0.032	0.032
Steele City	NE	Garfield	674.107	674.123	0.016	NE071	Blownout land-Valentine complex, 6 to 60 percent slopes	0.015	0.015
Steele City	NE	Garfield	674.123	674.709	0.586	NE071	Valentine fine sand, rolling	0.574	0.574
Steele City	NE	Garfield	674.709	675.000	0.291	NE071	Valentine fine sand, rolling and hilly	0.286	0.286
Steele City	NE	Garfield	675.000	675.038	0.038	NE071	Valentine fine sand, rolling	0.037	0.037
Steele City	NE	Garfield	675.038	675.157	0.119	NE071	Valentine fine sand, rolling and hilly	0.117	0.117
Steele City	NE	Garfield	675.157	675.238	0.081	NE071	Valentine fine sand, rolling	0.080	0.080
Steele City	NE	Garfield	675.238	675.497	0.259	NE071	Valentine fine sand, rolling and hilly	0.253	0.253
Steele City	NE	Garfield	675.497	675.650	0.153	NE071	Blownout land-Valentine complex, 6 to 60 percent slopes	0.146	0.146
Steele City	NE	Garfield	675.650	676.667	1.017	NE071	Valentine fine sand, rolling and hilly	0.997	0.997
Steele City	NE	Garfield	676.667	676.699	0.032	NE071	Valentine fine sand, rolling	0.031	0.031
Steele City	NE	Garfield	676.699	676.905	0.206	NE071	Valentine fine sand, rolling and hilly	0.202	0.202
Steele City	NE	Garfield	676.905	676.966	0.061	NE071	Valentine fine sand, rolling	0.060	0.060
Steele City	NE	Garfield	676.966	677.035	0.069	NE071	Valentine fine sand, rolling and hilly	0.068	0.068
Steele City	NE	Garfield	677.035	677.346	0.311	NE071	Valentine fine sand, rolling	0.305	0.305
Steele City	NE	Garfield	677.346	678.086	0.740	NE071	Valentine fine sand, rolling and hilly	0.725	0.725
Steele City	NE	Garfield	678.086	678.146	0.059	NE071	Valentine fine sand, rolling	0.058	0.058
Steele City	NE	Garfield	678.146	678.326	0.180	NE071	Valentine loamy fine sand, 3 to 9 percent slopes	0.180	0.000
Steele City	NE	Garfield	678.387	678.737	0.350	NE071	Valentine loamy fine sand, 3 to 9 percent slopes	0.350	0.000
Steele City	NE	Garfield	678.737	678.803	0.067	NE071	Ipage loamy sand, 0 to 3 percent slopes	0.065	0.000
Steele City	NE	Garfield	678.803	679.335	0.532	NE071	Valentine loamy fine sand, 3 to 9 percent slopes	0.532	0.000
Steele City	NE	Garfield	679.335	679.543	0.208	NE071	Ipage loamy sand, 0 to 3 percent slopes	0.203	0.000
Steele City	NE	Garfield	679.543	679.632	0.089	NE071	Valentine fine sand, 3 to 9 percent slopes	0.087	0.000
Steele City	NE	Wheeler	679.632	679.736	0.104	NE183	Valentine fine sand, 3 to 9 percent slopes	0.099	0.000
Steele City	NE	Wheeler	679.851	679.991	0.140	NE183	Valentine fine sand, rolling	0.137	0.137
Steele City	NE	Wheeler	679.991	680.097	0.106	NE183	Boelus loamy sand, 0 to 3 percent slopes	0.106	0.000
Steele City	NE	Wheeler	680.175	680.383	0.208	NE183	Valentine-Dunday loamy fine sands, 3 to 9 percent slopes	0.208	0.000
Steele City	NE	Wheeler	680.383	680.552	0.169	NE183	Blownout land-Valentine complex, 6 to 60 percent slopes	0.166	0.166
Steele City	NE	Wheeler	680.552	680.780	0.228	NE183	Dunday loamy fine sand, 3 to 6 percent slopes	0.228	0.000
Steele City	NE	Wheeler	680.780	680.885	0.105	NE183	Valentine fine sand, rolling	0.103	0.103
Steele City	NE	Wheeler	680.885	681.276	0.390	NE183	Valentine-Dunday loamy fine sands, 3 to 9 percent slopes	0.390	0.000
Steele City	NE	Wheeler	681.276	681.285	0.009	NE183	Valentine fine sand, rolling	0.009	0.009
Steele City	NE	Wheeler	681.285	681.357	0.073	NE183	Valentine-Dunday loamy fine sands, 3 to 9 percent slopes	0.073	0.000
Steele City	NE	Wheeler	681.357	681.468	0.111	NE183	Valentine fine sand, rolling	0.109	0.109
Steele City	NE	Wheeler	681.468	681.716	0.248	NE183	Blownout land-Valentine complex, 6 to 60 percent slopes	0.243	0.243
Steele City	NE	Wheeler	681.716	681.940	0.223	NE183	Valentine fine sand, rolling	0.219	0.219
Steele City	NE	Wheeler	681.940	681.954	0.015	NE183	Blownout land-Valentine complex, 6 to 60 percent slopes	0.014	0.014
Steele City	NE	Wheeler	681.954	682.297	0.343	NE183	Valentine fine sand, rolling	0.336	0.336
Steele City	NE	Wheeler	682.297	682.687	0.390	NE183	Valentine fine sand, rolling and hilly	0.195	0.195
Steele City	NE	Wheeler	682.687	682.790	0.103	NE183	Valentine fine sand, 3 to 9 percent slopes	0.098	0.000

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	NE	Wheeler	682.790	683.965	1.175	NE183	Valentine fine sand, rolling and hilly	0.588	0.588
Steele City	NE	Wheeler	683.965	684.520	0.555	NE183	Valentine fine sand, rolling	0.544	0.544
Steele City	NE	Wheeler	684.520	684.999	0.478	NE183	Valentine fine sand, rolling and hilly	0.239	0.239
Steele City	NE	Wheeler	684.999	685.048	0.049	NE183	Valentine fine sand, rolling	0.048	0.048
Steele City	NE	Wheeler	685.048	685.174	0.126	NE183	Valentine fine sand, rolling and hilly	0.063	0.063
Steele City	NE	Wheeler	685.174	685.236	0.062	NE183	Valentine fine sand, rolling	0.061	0.061
Steele City	NE	Wheeler	685.236	686.369	1.133	NE183	Valentine fine sand, rolling and hilly	0.566	0.566
Steele City	NE	Wheeler	686.369	686.833	0.465	NE183	Valentine fine sand, rolling	0.456	0.456
Steele City	NE	Wheeler	686.833	687.508	0.675	NE183	Valentine fine sand, rolling and hilly	0.337	0.337
Steele City	NE	Wheeler	687.508	687.552	0.044	NE183	Valentine fine sand, rolling	0.043	0.043
Steele City	NE	Wheeler	687.552	688.395	0.843	NE183	Valentine fine sand, rolling and hilly	0.422	0.422
Steele City	NE	Wheeler	688.395	688.469	0.074	NE183	Valentine fine sand, rolling	0.072	0.072
Steele City	NE	Wheeler	688.469	689.938	1.469	NE183	Valentine fine sand, rolling and hilly	0.735	0.735
Steele City	NE	Wheeler	689.938	690.065	0.127	NE183	Valentine fine sand, rolling	0.124	0.124
Steele City	NE	Wheeler	690.065	691.062	0.997	NE183	Valentine fine sand, rolling and hilly	0.498	0.498
Steele City	NE	Wheeler	691.062	691.138	0.076	NE183	Valentine fine sand, rolling	0.074	0.074
Steele City	NE	Wheeler	691.138	691.319	0.181	NE183	Valentine fine sand, rolling and hilly	0.091	0.091
Steele City	NE	Wheeler	691.319	691.417	0.098	NE183	Valentine fine sand, rolling	0.096	0.096
Steele City	NE	Wheeler	691.417	691.835	0.418	NE183	Valentine fine sand, rolling and hilly	0.209	0.209
Steele City	NE	Wheeler	691.835	691.965	0.130	NE183	Valentine fine sand, rolling	0.127	0.127
Steele City	NE	Wheeler	691.965	692.216	0.252	NE183	Valentine fine sand, rolling and hilly	0.126	0.126
Steele City	NE	Wheeler	692.216	692.336	0.119	NE183	Boelus loamy sand, 0 to 3 percent slopes	0.119	0.000
Steele City	NE	Wheeler	692.336	692.450	0.114	NE183	Valentine fine sand, rolling	0.112	0.112
Steele City	NE	Wheeler	692.450	692.665	0.215	NE183	Valentine fine sand, rolling and hilly	0.107	0.107
Steele City	NE	Wheeler	692.665	692.844	0.179	NE183	Valentine fine sand, rolling	0.176	0.176
Steele City	NE	Wheeler	692.844	693.098	0.254	NE183	Valentine fine sand, rolling and hilly	0.127	0.127
Steele City	NE	Wheeler	693.098	693.198	0.101	NE183	Boelus loamy sand, 0 to 3 percent slopes	0.101	0.000
Steele City	NE	Wheeler	693.198	693.276	0.078	NE183	Valentine fine sand, rolling	0.077	0.077
Steele City	NE	Wheeler	693.276	693.943	0.666	NE183	Valentine fine sand, rolling and hilly	0.333	0.333
Steele City	NE	Wheeler	693.943	694.329	0.386	NE183	Valentine fine sand, 3 to 9 percent slopes	0.367	0.000
Steele City	NE	Wheeler	694.329	694.456	0.127	NE183	Valentine fine sand, rolling and hilly	0.063	0.063
Steele City	NE	Wheeler	694.456	694.599	0.143	NE183	Valentine fine sand, rolling	0.140	0.140
Steele City	NE	Wheeler	694.599	694.848	0.250	NE183	Valentine fine sand, rolling and hilly	0.125	0.125
Steele City	NE	Wheeler	694.848	694.933	0.085	NE183	Valentine fine sand, rolling	0.083	0.083
Steele City	NE	Wheeler	694.933	695.023	0.090	NE183	Valentine fine sand, rolling and hilly	0.045	0.045
Steele City	NE	Wheeler	695.023	695.252	0.229	NE183	Ipage fine sand, 0 to 3 percent slopes	0.217	0.000
Steele City	NE	Wheeler	695.252	695.451	0.199	NE183	Valentine fine sand, 3 to 9 percent slopes	0.189	0.000
Steele City	NE	Wheeler	695.451	695.483	0.032	NE183	Valentine fine sand, rolling	0.032	0.032
Steele City	NE	Wheeler	695.483	695.523	0.040	NE183	Ipage fine sand, 0 to 3 percent slopes	0.038	0.000
Steele City	NE	Wheeler	695.523	695.576	0.053	NE183	Valentine fine sand, rolling	0.052	0.052
Steele City	NE	Wheeler	695.576	695.630	0.055	NE183	Els-Ipage fine sands, 0 to 3 percent slopes	0.052	0.000
Steele City	NE	Wheeler	695.630	695.748	0.118	NE183	Ipage fine sand, 0 to 3 percent slopes	0.112	0.000
Steele City	NE	Wheeler	695.748	696.161	0.413	NE183	Els-Ipage fine sands, 0 to 3 percent slopes	0.392	0.000
Steele City	NE	Wheeler	696.161	696.207	0.045	NE183	Valentine fine sand, 0 to 3 percent slopes	0.043	0.000
Steele City	NE	Wheeler	696.207	696.431	0.224	NE183	Els-Ipage fine sands, 0 to 3 percent slopes	0.213	0.000
Steele City	NE	Wheeler	696.431	696.466	0.034	NE183	Tryon-Inavale complex, channeled	0.013	0.000
Steele City	NE	Wheeler	696.493	696.615	0.122	NE183	Valentine fine sand, 0 to 3 percent slopes	0.116	0.000
Steele City	NE	Wheeler	696.615	696.870	0.255	NE183	Libory loamy fine sand, 0 to 3 percent slopes	0.255	0.000
Steele City	NE	Wheeler	696.870	696.991	0.122	NE183	Ipage fine sand, 0 to 3 percent slopes	0.116	0.000
Steele City	NE	Wheeler	696.991	697.058	0.066	NE183	Valentine fine sand, rolling	0.065	0.065
Steele City	NE	Wheeler	697.058	697.191	0.133	NE183	Valentine fine sand, 3 to 9 percent slopes	0.127	0.000
Steele City	NE	Wheeler	697.191	697.352	0.161	NE183	Valentine fine sand, rolling	0.158	0.158
Steele City	NE	Wheeler	697.352	697.573	0.221	NE183	Valentine fine sand, 3 to 9 percent slopes	0.210	0.000
Steele City	NE	Greeley	697.572	697.625	0.053	NE077	Valentine fine sand, 3 to 9 percent slopes	0.053	0.000
Steele City	NE	Greeley	697.625	697.678	0.054	NE077	Valentine fine sand, rolling	0.054	0.054
Steele City	NE	Greeley	697.678	697.711	0.033	NE077	Valentine fine sand, 3 to 9 percent slopes	0.033	0.000
Steele City	NE	Greeley	697.711	697.924	0.212	NE077	Valentine fine sand, rolling	0.212	0.212
Steele City	NE	Greeley	697.924	697.943	0.020	NE077	Valentine fine sand, 3 to 9 percent slopes	0.020	0.000
Steele City	NE	Greeley	697.943	697.956	0.013	NE077	Valentine fine sand, rolling	0.013	0.013
Steele City	NE	Greeley	697.956	698.066	0.110	NE077	Valentine fine sand, 3 to 9 percent slopes	0.110	0.000
Steele City	NE	Greeley	698.066	698.315	0.249	NE077	Valentine fine sand, rolling	0.249	0.249
Steele City	NE	Greeley	698.315	698.437	0.122	NE077	Ipage fine sand, 0 to 3 percent slopes	0.121	0.000
Steele City	NE	Greeley	698.437	698.552	0.115	NE077	Valentine fine sand, rolling	0.115	0.115
Steele City	NE	Greeley	698.552	698.607	0.055	NE077	Ipage fine sand, 0 to 3 percent slopes	0.054	0.000
Steele City	NE	Greeley	698.607	698.795	0.188	NE077	Valentine fine sand, rolling	0.188	0.188
Steele City	NE	Greeley	698.795	698.892	0.097	NE077	Valentine fine sand, rolling and hilly	0.049	0.049
Steele City	NE	Greeley	698.892	698.947	0.054	NE077	Valentine fine sand, rolling	0.054	0.054
Steele City	NE	Greeley	698.947	699.012	0.065	NE077	Valentine fine sand, rolling and hilly	0.033	0.033
Steele City	NE	Greeley	699.012	699.418	0.407	NE077	Valentine fine sand, rolling	0.407	0.407
Steele City	NE	Greeley	699.418	699.933	0.514	NE077	Valentine fine sand, rolling and hilly	0.257	0.257
Steele City	NE	Greeley	699.933	700.020	0.088	NE077	Valentine fine sand, rolling	0.088	0.088
Steele City	NE	Greeley	700.020	700.407	0.387	NE077	Valentine fine sand, rolling and hilly	0.193	0.193
Steele City	NE	Greeley	700.407	700.520	0.112	NE077	Valentine fine sand, rolling	0.112	0.112
Steele City	NE	Greeley	700.520	700.607	0.087	NE077	Valentine fine sand, rolling and hilly	0.044	0.044
Steele City	NE	Greeley	700.607	700.740	0.133	NE077	Valentine fine sand, rolling	0.133	0.133
Steele City	NE	Greeley	700.740	701.446	0.706	NE077	Valentine fine sand, rolling and hilly	0.353	0.353
Steele City	NE	Greeley	701.446	701.590	0.144	NE077	Valentine fine sand, rolling	0.144	0.144
Steele City	NE	Greeley	701.590	701.644	0.054	NE077	Valentine fine sand, rolling and hilly	0.027	0.027

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	NE	Greeley	701.644	701.765	0.121	NE077	Valentine fine sand, rolling	0.121	0.121
Steele City	NE	Greeley	701.765	701.925	0.160	NE077	Valentine fine sand, rolling and hilly	0.080	0.080
Steele City	NE	Greeley	701.925	702.047	0.122	NE077	Valentine fine sand, rolling	0.122	0.122
Steele City	NE	Greeley	702.047	702.249	0.202	NE077	Valentine fine sand, rolling and hilly	0.101	0.101
Steele City	NE	Greeley	702.249	702.315	0.066	NE077	Valentine fine sand, rolling	0.066	0.066
Steele City	NE	Greeley	702.315	702.464	0.149	NE077	Valentine fine sand, rolling and hilly	0.074	0.074
Steele City	NE	Greeley	702.464	702.531	0.067	NE077	Gates-Hersh complex, 0 to 3 percent slopes	0.047	0.000
Steele City	NE	Greeley	702.531	702.631	0.100	NE077	Valentine fine sand, rolling	0.100	0.100
Steele City	NE	Greeley	702.631	702.750	0.119	NE077	Valentine fine sand, rolling and hilly	0.060	0.060
Steele City	NE	Greeley	702.750	702.846	0.096	NE077	Gates-Hersh complex, 0 to 3 percent slopes	0.067	0.000
Steele City	NE	Greeley	702.846	702.939	0.093	NE077	Valentine fine sand, rolling	0.093	0.093
Steele City	NE	Greeley	702.939	703.270	0.331	NE077	Valentine fine sand, rolling and hilly	0.165	0.165
Steele City	NE	Greeley	703.270	703.323	0.053	NE077	Valentine fine sand, rolling	0.053	0.053
Steele City	NE	Greeley	703.323	703.584	0.262	NE077	Valentine fine sand, rolling and hilly	0.131	0.131
Steele City	NE	Greeley	703.584	703.621	0.037	NE077	Valentine fine sand, rolling	0.037	0.037
Steele City	NE	Greeley	703.621	703.819	0.199	NE077	Valentine fine sand, rolling and hilly	0.099	0.099
Steele City	NE	Greeley	703.819	703.869	0.049	NE077	Valentine fine sand, rolling	0.049	0.049
Steele City	NE	Greeley	703.869	703.999	0.131	NE077	Valentine fine sand, rolling and hilly	0.065	0.065
Steele City	NE	Greeley	703.999	704.345	0.346	NE077	Valentine fine sand, rolling	0.346	0.346
Steele City	NE	Greeley	704.345	704.494	0.149	NE077	Valentine fine sand, rolling and hilly	0.074	0.074
Steele City	NE	Greeley	704.494	704.625	0.132	NE077	Valentine fine sand, rolling	0.132	0.132
Steele City	NE	Greeley	704.625	704.826	0.201	NE077	Valentine fine sand, rolling and hilly	0.100	0.100
Steele City	NE	Greeley	704.826	704.958	0.132	NE077	Valentine fine sand, rolling	0.132	0.132
Steele City	NE	Greeley	704.958	705.064	0.107	NE077	Valentine fine sand, rolling and hilly	0.053	0.053
Steele City	NE	Greeley	705.064	705.066	0.002	NE077	Valentine fine sand, rolling	0.002	0.002
Steele City	NE	Greeley	705.066	705.110	0.044	NE077	Gates-Hersh complex, 0 to 3 percent slopes	0.031	0.000
Steele City	NE	Greeley	705.110	705.487	0.377	NE077	Valentine fine sand, rolling	0.377	0.377
Steele City	NE	Greeley	705.487	705.639	0.152	NE077	Valentine fine sand, rolling and hilly	0.076	0.076
Steele City	NE	Greeley	705.639	705.719	0.080	NE077	Valentine fine sand, rolling	0.080	0.080
Steele City	NE	Greeley	705.719	705.922	0.203	NE077	Gates-Hersh complex, 0 to 3 percent slopes	0.142	0.000
Steele City	NE	Greeley	705.922	706.219	0.297	NE077	Valentine fine sand, rolling	0.297	0.297
Steele City	NE	Greeley	706.219	706.438	0.218	NE077	Valentine fine sand, rolling and hilly	0.109	0.109
Steele City	NE	Greeley	706.438	706.552	0.114	NE077	Gates-Hersh complex, 0 to 3 percent slopes	0.080	0.000
Steele City	NE	Greeley	706.552	706.595	0.043	NE077	Valentine fine sand, rolling	0.043	0.043
Steele City	NE	Greeley	706.595	706.638	0.043	NE077	Gates-Hersh complex, 0 to 3 percent slopes	0.030	0.000
Steele City	NE	Greeley	706.638	707.588	0.950	NE077	Valentine fine sand, rolling	0.950	0.950
Steele City	NE	Greeley	707.675	708.186	0.512	NE077	Valentine fine sand, rolling	0.512	0.512
Steele City	NE	Greeley	708.203	708.385	0.181	NE077	Valentine fine sand, rolling	0.181	0.181
Steele City	NE	Greeley	708.385	708.527	0.142	NE077	Valentine loamy fine sand, 3 to 9 percent slopes	0.142	0.000
Steele City	NE	Greeley	708.527	708.544	0.017	NE077	Hersh-Gates complex, 15 to 30 percent slopes	0.000	0.017
Steele City	NE	Greeley	708.938	708.972	0.034	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.034
Steele City	NE	Greeley	708.972	709.007	0.036	NE077	Coly-Hobbs silt loams, 2 to 60 percent slopes	0.000	0.028
Steele City	NE	Greeley	709.242	709.383	0.141	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.141
Steele City	NE	Greeley	709.472	709.521	0.049	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.049
Steele City	NE	Greeley	709.723	709.994	0.270	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.270
Steele City	NE	Greeley	709.994	710.165	0.171	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.171
Steele City	NE	Greeley	710.165	710.225	0.060	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.060
Steele City	NE	Greeley	710.225	710.273	0.048	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.048
Steele City	NE	Greeley	710.273	710.293	0.020	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.020
Steele City	NE	Greeley	710.293	710.323	0.030	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.030
Steele City	NE	Greeley	710.323	710.334	0.011	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.011
Steele City	NE	Greeley	710.334	710.393	0.059	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.059
Steele City	NE	Greeley	710.393	710.584	0.191	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.191
Steele City	NE	Greeley	710.584	710.618	0.033	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.033
Steele City	NE	Greeley	710.618	710.627	0.009	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.009
Steele City	NE	Greeley	710.627	710.818	0.191	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.191
Steele City	NE	Greeley	710.818	711.218	0.400	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.400
Steele City	NE	Greeley	711.218	711.316	0.098	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.098
Steele City	NE	Greeley	711.316	711.418	0.102	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.102
Steele City	NE	Greeley	711.418	711.488	0.070	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.070
Steele City	NE	Greeley	711.488	711.546	0.058	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.058
Steele City	NE	Greeley	711.546	711.560	0.014	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.014
Steele City	NE	Greeley	711.560	711.590	0.030	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.030
Steele City	NE	Greeley	711.590	711.646	0.056	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.056
Steele City	NE	Greeley	711.646	711.723	0.077	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.077
Steele City	NE	Greeley	711.723	711.759	0.035	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.035
Steele City	NE	Greeley	711.759	712.115	0.356	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.356
Steele City	NE	Greeley	712.195	712.227	0.032	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.032
Steele City	NE	Greeley	712.298	712.361	0.063	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.063
Steele City	NE	Greeley	712.361	712.461	0.099	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.099
Steele City	NE	Greeley	712.461	712.477	0.016	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.016
Steele City	NE	Greeley	712.477	712.531	0.054	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.054
Steele City	NE	Greeley	712.531	712.872	0.341	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.341
Steele City	NE	Greeley	712.872	712.945	0.073	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.073
Steele City	NE	Greeley	712.945	713.183	0.238	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.238
Steele City	NE	Greeley	713.183	713.263	0.080	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.080
Steele City	NE	Greeley	713.263	713.265	0.003	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.003
Steele City	NE	Greeley	713.265	713.326	0.060	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.060

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	NE	Greeley	713.326	713.524	0.199	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.199
Steele City	NE	Greeley	713.524	713.648	0.124	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.124
Steele City	NE	Greeley	713.648	713.781	0.132	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.132
Steele City	NE	Greeley	713.781	713.854	0.073	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.073
Steele City	NE	Greeley	713.854	714.084	0.230	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.230
Steele City	NE	Greeley	714.084	714.144	0.059	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.059
Steele City	NE	Greeley	714.144	714.204	0.060	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.060
Steele City	NE	Greeley	714.382	714.435	0.053	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.053
Steele City	NE	Greeley	714.435	714.484	0.049	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.049
Steele City	NE	Greeley	714.484	714.648	0.163	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.163
Steele City	NE	Greeley	714.648	714.683	0.035	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.035
Steele City	NE	Greeley	714.683	714.719	0.036	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.036
Steele City	NE	Greeley	714.719	714.764	0.044	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.044
Steele City	NE	Greeley	714.764	714.883	0.120	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.120
Steele City	NE	Greeley	714.883	715.058	0.174	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.174
Steele City	NE	Greeley	715.058	715.107	0.049	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.049
Steele City	NE	Greeley	715.107	715.177	0.070	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.070
Steele City	NE	Greeley	715.177	715.290	0.113	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.113
Steele City	NE	Greeley	715.290	715.333	0.042	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.042
Steele City	NE	Greeley	715.333	715.413	0.080	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.080
Steele City	NE	Greeley	715.413	715.458	0.045	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.045
Steele City	NE	Greeley	715.458	715.554	0.095	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.095
Steele City	NE	Greeley	715.554	715.628	0.074	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.074
Steele City	NE	Greeley	715.658	715.687	0.029	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.029
Steele City	NE	Greeley	715.687	715.739	0.052	NE077	Uly silt loam, 11 to 17 percent slopes	0.000	0.052
Steele City	NE	Greeley	715.739	715.817	0.078	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.078
Steele City	NE	Greeley	715.830	715.851	0.021	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.021
Steele City	NE	Greeley	715.927	715.994	0.067	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.067
Steele City	NE	Greeley	715.997	716.059	0.062	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.062
Steele City	NE	Greeley	716.059	716.081	0.021	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.021
Steele City	NE	Greeley	716.081	716.155	0.074	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.074
Steele City	NE	Greeley	716.155	716.247	0.092	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.092
Steele City	NE	Greeley	716.247	716.346	0.099	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.099
Steele City	NE	Greeley	716.346	716.399	0.054	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.054
Steele City	NE	Greeley	716.399	716.451	0.052	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.052
Steele City	NE	Greeley	716.451	716.491	0.040	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.040
Steele City	NE	Greeley	716.491	716.526	0.035	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.035
Steele City	NE	Greeley	716.526	716.555	0.029	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.029
Steele City	NE	Greeley	716.555	716.610	0.055	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.055
Steele City	NE	Greeley	716.610	716.657	0.047	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.047
Steele City	NE	Greeley	716.657	716.726	0.069	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.069
Steele City	NE	Greeley	716.726	716.810	0.084	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.084
Steele City	NE	Greeley	716.810	716.881	0.071	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.071
Steele City	NE	Greeley	716.881	716.911	0.031	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.031
Steele City	NE	Greeley	716.911	716.959	0.048	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.048
Steele City	NE	Greeley	716.959	717.010	0.050	NE077	Uly silt loam, 11 to 17 percent slopes	0.000	0.050
Steele City	NE	Greeley	717.010	717.046	0.036	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.036
Steele City	NE	Greeley	717.046	717.127	0.081	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.081
Steele City	NE	Greeley	717.127	717.220	0.093	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.093
Steele City	NE	Greeley	717.220	717.365	0.145	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.145
Steele City	NE	Greeley	717.365	717.457	0.092	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.092
Steele City	NE	Greeley	717.457	717.512	0.055	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.055
Steele City	NE	Greeley	717.512	717.700	0.189	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.189
Steele City	NE	Greeley	717.700	717.800	0.100	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.100
Steele City	NE	Greeley	717.887	718.010	0.124	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.124
Steele City	NE	Greeley	718.010	718.043	0.032	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.032
Steele City	NE	Greeley	718.043	718.140	0.097	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.097
Steele City	NE	Greeley	718.140	718.234	0.094	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.094
Steele City	NE	Greeley	718.234	718.271	0.037	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.037
Steele City	NE	Greeley	718.271	718.346	0.076	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.076
Steele City	NE	Greeley	718.346	718.398	0.052	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.052
Steele City	NE	Greeley	718.398	718.460	0.062	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.062
Steele City	NE	Greeley	718.460	718.508	0.048	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.048
Steele City	NE	Greeley	718.508	718.560	0.052	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.052
Steele City	NE	Greeley	718.560	718.611	0.051	NE077	Uly silt loam, 6 to 11 percent slopes	0.000	0.051
Steele City	NE	Greeley	718.611	718.717	0.106	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.106
Steele City	NE	Greeley	718.717	718.765	0.048	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.048
Steele City	NE	Greeley	718.825	718.900	0.074	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.074
Steele City	NE	Greeley	718.935	719.107	0.171	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.171
Steele City	NE	Greeley	719.107	719.411	0.304	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.304
Steele City	NE	Greeley	719.411	719.575	0.164	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.164
Steele City	NE	Greeley	719.575	719.670	0.094	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.094
Steele City	NE	Greeley	719.670	719.871	0.201	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.201
Steele City	NE	Greeley	719.871	719.896	0.025	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.025
Steele City	NE	Greeley	719.896	720.382	0.485	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.485
Steele City	NE	Greeley	720.382	720.544	0.163	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.163
Steele City	NE	Greeley	720.544	720.626	0.081	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.081
Steele City	NE	Greeley	720.643	720.662	0.020	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.020

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	NE	Greeley	720.662	720.770	0.108	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.108
Steele City	NE	Greeley	720.770	720.919	0.149	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.149
Steele City	NE	Greeley	720.919	721.021	0.103	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.000	0.103
Steele City	NE	Greeley	721.021	721.060	0.039	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.039
Steele City	NE	Greeley	721.060	721.084	0.024	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.024
Steele City	NE	Greeley	721.084	721.128	0.044	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.000	0.044
Steele City	NE	Greeley	721.128	721.359	0.231	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.000	0.231
Steele City	NE	Boone	721.359	721.374	0.014	NE011	Crofton silt loam, 17 to 30 percent slopes, eroded	0.000	0.014
Steele City	NE	Boone	721.374	721.438	0.064	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.064
Steele City	NE	Boone	721.438	721.491	0.053	NE011	Crofton-Nora silt loams, 17 to 30 percent slopes	0.000	0.053
Steele City	NE	Boone	721.491	721.562	0.072	NE011	Nora silt loam, 7 to 12 percent slopes	0.000	0.072
Steele City	NE	Boone	721.562	721.641	0.079	NE011	Crofton-Nora silt loams, 17 to 30 percent slopes	0.000	0.079
Steele City	NE	Boone	721.641	721.806	0.165	NE011	Nora silt loam, 7 to 12 percent slopes	0.000	0.165
Steele City	NE	Boone	721.806	721.860	0.054	NE011	Nora silt loam, 7 to 12 percent slopes	0.000	0.054
Steele City	NE	Boone	721.860	721.958	0.098	NE011	Crofton-Nora silt loams, 17 to 30 percent slopes	0.000	0.098
Steele City	NE	Boone	721.958	722.082	0.124	NE011	Nora silt loam, 7 to 12 percent slopes	0.000	0.124
Steele City	NE	Boone	722.350	722.421	0.071	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.071
Steele City	NE	Boone	722.421	722.458	0.037	NE011	Crofton-Nora silt loams, 12 to 17 percent slopes, eroded	0.000	0.037
Steele City	NE	Boone	722.458	722.509	0.051	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.051
Steele City	NE	Boone	722.509	722.528	0.019	NE011	Crofton-Nora silt loams, 12 to 17 percent slopes, eroded	0.000	0.019
Steele City	NE	Boone	722.528	722.554	0.026	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.026
Steele City	NE	Boone	722.554	722.579	0.025	NE011	Crofton-Nora silt loams, 12 to 17 percent slopes, eroded	0.000	0.025
Steele City	NE	Boone	722.579	722.596	0.017	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.017
Steele City	NE	Boone	722.596	722.616	0.020	NE011	Crofton-Nora silt loams, 12 to 17 percent slopes, eroded	0.000	0.020
Steele City	NE	Boone	722.616	722.663	0.047	NE011	Crofton silt loam, 17 to 30 percent slopes, eroded	0.000	0.047
Steele City	NE	Boone	722.663	722.688	0.025	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.025
Steele City	NE	Boone	722.688	722.773	0.084	NE011	Crofton silt loam, 17 to 30 percent slopes, eroded	0.000	0.084
Steele City	NE	Boone	722.773	722.827	0.055	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.055
Steele City	NE	Boone	722.827	722.876	0.049	NE011	Crofton silt loam, 17 to 30 percent slopes, eroded	0.000	0.049
Steele City	NE	Boone	722.876	722.922	0.046	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.046
Steele City	NE	Boone	722.944	722.977	0.033	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.033
Steele City	NE	Boone	722.977	723.163	0.186	NE011	Crofton-Nora silt loams, 17 to 30 percent slopes	0.000	0.186
Steele City	NE	Boone	723.163	723.231	0.068	NE011	Crofton silt loam, 17 to 30 percent slopes, eroded	0.000	0.068
Steele City	NE	Boone	723.231	723.312	0.081	NE011	Crofton-Nora silt loams, 7 to 12 percent slopes, eroded	0.000	0.081
Steele City	NE	Boone	723.511	723.564	0.053	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.053
Steele City	NE	Boone	723.953	723.978	0.024	NE011	Nora silt loam, 7 to 12 percent slopes	0.000	0.024
Steele City	NE	Boone	723.978	724.032	0.054	NE011	Crofton-Nora silt loams, 17 to 30 percent slopes	0.000	0.054
Steele City	NE	Boone	724.032	724.053	0.022	NE011	Nora silt loam, 7 to 12 percent slopes	0.000	0.022
Steele City	NE	Boone	724.168	724.201	0.032	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.032
Steele City	NE	Boone	724.201	724.482	0.281	NE011	Crofton-Nora silt loams, 17 to 30 percent slopes	0.000	0.281
Steele City	NE	Boone	724.482	724.503	0.021	NE011	Crofton-Nora silt loams, 7 to 12 percent slopes, eroded	0.000	0.021
Steele City	NE	Boone	724.566	724.610	0.044	NE011	Crofton-Nora silt loams, 7 to 12 percent slopes, eroded	0.000	0.044
Steele City	NE	Boone	724.616	724.651	0.035	NE011	Crofton-Nora silt loams, 7 to 12 percent slopes, eroded	0.000	0.035
Steele City	NE	Boone	724.651	724.697	0.046	NE011	Crofton silt loam, 17 to 30 percent slopes, eroded	0.000	0.046
Steele City	NE	Boone	724.697	724.702	0.005	NE011	Crofton-Nora silt loams, 7 to 12 percent slopes, eroded	0.000	0.005
Steele City	NE	Boone	724.702	724.768	0.066	NE011	Crofton silt loam, 17 to 30 percent slopes, eroded	0.000	0.066
Steele City	NE	Nance	724.768	724.771	0.002	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.002
Steele City	NE	Nance	724.771	724.948	0.178	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.178
Steele City	NE	Nance	724.972	724.979	0.007	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.007
Steele City	NE	Nance	724.979	724.991	0.012	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.012
Steele City	NE	Nance	725.085	725.115	0.030	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.030
Steele City	NE	Nance	725.301	725.316	0.014	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.014
Steele City	NE	Nance	725.335	725.350	0.014	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.014
Steele City	NE	Nance	725.350	725.374	0.024	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.024
Steele City	NE	Nance	725.374	725.421	0.047	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.047
Steele City	NE	Nance	725.421	725.439	0.018	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.018
Steele City	NE	Nance	725.439	725.453	0.013	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.013
Steele City	NE	Nance	725.864	725.883	0.019	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.019
Steele City	NE	Nance	725.883	725.917	0.033	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.033
Steele City	NE	Nance	725.917	726.050	0.134	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.134
Steele City	NE	Nance	726.050	726.083	0.033	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.033
Steele City	NE	Nance	726.083	726.138	0.054	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.054
Steele City	NE	Nance	726.300	726.452	0.152	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.152
Steele City	NE	Nance	726.452	726.507	0.056	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.056
Steele City	NE	Nance	726.507	726.639	0.132	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.132
Steele City	NE	Nance	726.639	726.659	0.020	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.020
Steele City	NE	Nance	726.659	726.748	0.089	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.089
Steele City	NE	Nance	726.748	726.918	0.170	NE125	Nora silt loam, 7 to 12 percent slopes	0.000	0.170
Steele City	NE	Nance	726.918	727.066	0.148	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.148
Steele City	NE	Nance	727.066	727.182	0.116	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.116
Steele City	NE	Nance	727.182	727.346	0.164	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.164
Steele City	NE	Nance	727.361	727.421	0.061	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.061
Steele City	NE	Nance	727.475	727.513	0.038	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.038
Steele City	NE	Nance	727.762	727.837	0.074	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.074
Steele City	NE	Nance	728.077	728.113	0.035	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.035
Steele City	NE	Nance	728.113	728.263	0.150	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.150
Steele City	NE	Nance	728.263	728.312	0.049	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.049
Steele City	NE	Nance	728.312	728.392	0.079	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.079

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	NE	Nance	728.392	728.418	0.026	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.026
Steele City	NE	Nance	728.418	728.551	0.133	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.133
Steele City	NE	Nance	728.551	728.574	0.023	NE125	Nora silt loam, 7 to 12 percent slopes	0.000	0.023
Steele City	NE	Nance	728.574	728.584	0.011	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.011
Steele City	NE	Nance	728.584	728.609	0.025	NE125	Nora silt loam, 7 to 12 percent slopes	0.000	0.025
Steele City	NE	Nance	728.609	728.664	0.055	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.055
Steele City	NE	Nance	728.664	728.729	0.065	NE125	Nora silt loam, 7 to 12 percent slopes	0.000	0.065
Steele City	NE	Nance	728.729	728.871	0.142	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.142
Steele City	NE	Nance	728.871	729.001	0.130	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.130
Steele City	NE	Nance	729.001	729.067	0.066	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.066
Steele City	NE	Nance	729.067	729.228	0.161	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.161
Steele City	NE	Nance	729.228	729.268	0.040	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.040
Steele City	NE	Nance	729.268	729.322	0.054	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.054
Steele City	NE	Nance	729.322	729.397	0.075	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.075
Steele City	NE	Nance	729.397	729.405	0.008	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.008
Steele City	NE	Nance	729.405	729.463	0.058	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.058
Steele City	NE	Nance	729.463	729.828	0.364	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.364
Steele City	NE	Nance	729.828	729.858	0.031	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.031
Steele City	NE	Nance	729.858	729.875	0.017	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.017
Steele City	NE	Nance	729.875	730.069	0.194	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.194
Steele City	NE	Nance	730.069	730.175	0.107	NE125	Crofton silt loam, 12 to 17 percent slopes, severely eroded	0.000	0.107
Steele City	NE	Nance	730.175	730.331	0.156	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.156
Steele City	NE	Nance	730.331	730.379	0.048	NE125	Nora silt loam, 7 to 12 percent slopes	0.000	0.048
Steele City	NE	Nance	730.379	730.621	0.242	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.242
Steele City	NE	Nance	730.621	730.693	0.072	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.072
Steele City	NE	Nance	730.693	730.705	0.012	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.012
Steele City	NE	Nance	730.705	730.845	0.140	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.140
Steele City	NE	Nance	730.845	730.861	0.016	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.016
Steele City	NE	Nance	730.861	730.934	0.074	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.074
Steele City	NE	Nance	730.934	730.952	0.017	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.017
Steele City	NE	Nance	730.952	731.078	0.126	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.126
Steele City	NE	Nance	731.078	731.123	0.045	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.045
Steele City	NE	Nance	731.123	731.277	0.154	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.154
Steele City	NE	Nance	731.277	731.310	0.033	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.033
Steele City	NE	Nance	731.335	731.355	0.020	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.020
Steele City	NE	Nance	731.355	731.375	0.020	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.020
Steele City	NE	Nance	731.375	731.697	0.322	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.322
Steele City	NE	Nance	731.697	731.724	0.028	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.028
Steele City	NE	Nance	731.724	731.751	0.027	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.027
Steele City	NE	Nance	731.972	732.149	0.177	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.177
Steele City	NE	Nance	732.272	732.870	0.597	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.597
Steele City	NE	Nance	732.870	732.948	0.079	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.079
Steele City	NE	Nance	732.948	733.071	0.122	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.122
Steele City	NE	Nance	733.071	733.236	0.165	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.165
Steele City	NE	Nance	733.236	733.289	0.054	NE125	Crofton silt loam, 12 to 17 percent slopes, severely eroded	0.000	0.054
Steele City	NE	Nance	733.289	733.365	0.075	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.075
Steele City	NE	Nance	733.365	733.387	0.023	NE125	Crofton silt loam, 12 to 17 percent slopes, severely eroded	0.000	0.023
Steele City	NE	Nance	733.387	733.744	0.357	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.357
Steele City	NE	Nance	733.744	733.812	0.067	NE125	Nora-Crofton silt loams, 12 to 17 percent slopes, severely eroded	0.000	0.067
Steele City	NE	Nance	733.812	733.835	0.023	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.023
Steele City	NE	Nance	733.835	733.859	0.024	NE125	Nora-Crofton silt loams, 12 to 17 percent slopes, severely eroded	0.000	0.024
Steele City	NE	Nance	733.859	733.868	0.009	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.009
Steele City	NE	Nance	733.991	734.018	0.028	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.000	0.028
Steele City	NE	Nance	734.018	734.394	0.375	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.375
Steele City	NE	Nance	734.394	734.658	0.264	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.264
Steele City	NE	Nance	734.658	734.797	0.139	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.139
Steele City	NE	Nance	735.211	735.317	0.106	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.106
Steele City	NE	Nance	735.329	735.374	0.045	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.045
Steele City	NE	Nance	735.480	735.729	0.249	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.249
Steele City	NE	Nance	735.899	735.936	0.036	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.036
Steele City	NE	Nance	736.469	736.504	0.035	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.035
Steele City	NE	Nance	736.534	736.563	0.029	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.029
Steele City	NE	Nance	736.611	736.621	0.010	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.010
Steele City	NE	Nance	736.756	736.882	0.127	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.127
Steele City	NE	Nance	736.882	737.066	0.183	NE125	Crofton silt loam, 17 to 30 percent slopes, severely eroded	0.000	0.183
Steele City	NE	Nance	737.066	737.309	0.243	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.243
Steele City	NE	Nance	737.309	737.343	0.034	NE125	Nora silt loam, 7 to 12 percent slopes	0.000	0.034
Steele City	NE	Nance	737.343	737.419	0.077	NE125	Crofton silt loam, 17 to 30 percent slopes	0.000	0.077
Steele City	NE	Nance	737.419	737.594	0.174	NE125	Nora silt loam, 7 to 12 percent slopes	0.000	0.174
Steele City	NE	Nance	737.594	737.686	0.092	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.000	0.092
Steele City	NE	Nance	740.317	740.627	0.310	NE125	Newman loamy fine sand, 1 to 3 percent slopes, eroded	0.307	0.000
Steele City	NE	Nance	740.646	740.768	0.122	NE125	Newman loamy fine sand, 1 to 3 percent slopes, eroded	0.120	0.000
Steele City	NE	Nance	740.881	740.910	0.028	NE125	Newman loamy fine sand, 1 to 3 percent slopes	0.028	0.000
Steele City	NE	Merrick	742.833	742.989	0.156	NE121	Valentine-Boelus loamy fine sands, 3 to 9 percent slopes	0.202	0.047
Steele City	NE	Merrick	742.989	743.514	0.525	NE121	Valentine-Boelus loamy fine sands, 0 to 3 percent slopes	0.525	0.000
Steele City	NE	Merrick	743.514	743.548	0.034	NE121	Valentine-Boelus loamy fine sands, 3 to 9 percent slopes	0.044	0.010

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	NE	Merrick	743.548	743.669	0.122	NE121	Valentine-Boelus loamy fine sands, 0 to 3 percent slopes	0.122	0.000
Steele City	NE	Merrick	743.669	744.358	0.689	NE121	Valentine-Boelus loamy fine sands, 3 to 9 percent slopes	0.896	0.207
Steele City	NE	Merrick	744.358	744.541	0.183	NE121	Valentine fine sand, 9 to 20 percent slopes	0.181	0.181
Steele City	NE	Merrick	744.541	744.877	0.336	NE121	Valentine-Boelus loamy fine sands, 3 to 9 percent slopes	0.436	0.101
Steele City	NE	Merrick	744.877	745.118	0.241	NE121	Valentine fine sand, 9 to 20 percent slopes	0.239	0.239
Steele City	NE	Merrick	745.118	745.232	0.114	NE121	Valentine-Boelus loamy fine sands, 3 to 9 percent slopes	0.149	0.034
Steele City	NE	Merrick	745.232	745.314	0.081	NE121	Thurman loamy fine sand, 3 to 6 percent slopes	0.080	0.000
Steele City	NE	Merrick	745.314	745.491	0.178	NE121	Valentine-Boelus loamy fine sands, 3 to 9 percent slopes	0.231	0.053
Steele City	NE	Merrick	745.491	745.770	0.278	NE121	Libory loamy fine sand, 0 to 3 percent slopes	0.275	0.000
Steele City	NE	Merrick	745.770	745.803	0.033	NE121	Ipage loamy fine sand, 0 to 2 percent slopes	0.033	0.000
Steele City	NE	Merrick	745.803	745.889	0.087	NE121	Libory loamy fine sand, 0 to 3 percent slopes	0.086	0.000
Steele City	NE	Merrick	745.889	745.988	0.098	NE121	Ipage loamy fine sand, 0 to 2 percent slopes	0.098	0.000
Steele City	NE	Merrick	747.612	747.737	0.125	NE121	Valentine loamy fine sand, 0 to 3 percent slopes	0.125	0.000
Steele City	NE	Merrick	751.054	751.162	0.109	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.103	0.000
Steele City	NE	Merrick	751.428	751.614	0.186	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.177	0.000
Steele City	NE	Merrick	751.614	751.705	0.090	NE121	Inavale loamy fine sand, 0 to 3 percent slopes	0.090	0.000
Steele City	NE	Merrick	751.705	751.763	0.059	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.056	0.000
Steele City	NE	Merrick	751.763	751.796	0.033	NE121	Inavale loamy fine sand, 0 to 3 percent slopes	0.033	0.000
Steele City	NE	Merrick	751.796	751.937	0.141	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.134	0.000
Steele City	NE	Merrick	751.937	751.977	0.040	NE121	Inavale loamy fine sand, 0 to 3 percent slopes	0.040	0.000
Steele City	NE	Merrick	751.977	752.861	0.884	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.840	0.000
Steele City	NE	Merrick	755.780	755.836	0.056	NE121	Inavale loamy fine sand, 0 to 3 percent slopes	0.056	0.000
Steele City	NE	Merrick	756.802	756.856	0.053	NE121	Inavale loamy fine sand, 0 to 3 percent slopes	0.053	0.000
Steele City	NE	Merrick	756.856	756.967	0.112	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.106	0.000
Steele City	NE	Merrick	757.073	757.127	0.053	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.051	0.000
Steele City	NE	Merrick	757.335	757.366	0.031	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.030	0.000
Steele City	NE	Hamilton	757.366	757.399	0.033	NE081	Fonner variant loamy sand, 0 to 2 percent slopes	0.033	0.000
Steele City	NE	Hamilton	758.130	758.261	0.130	NE081	Thurman fine sandy loam, 11 to 30 percent slopes	0.000	0.130
Steele City	NE	Hamilton	758.314	758.472	0.158	NE081	Coly silt loam, 6 to 11 percent slopes, eroded	0.000	0.158
Steele City	NE	Hamilton	758.659	758.715	0.055	NE081	Coly silt loam, 11 to 30 percent slopes	0.000	0.055
Steele City	NE	Hamilton	758.784	758.845	0.061	NE081	Coly silt loam, 11 to 30 percent slopes	0.000	0.061
Steele City	NE	Hamilton	758.893	758.931	0.038	NE081	Coly silt loam, 6 to 11 percent slopes, eroded	0.000	0.038
Steele City	NE	York	774.300	774.424	0.125	NE185	Uly-Hobbs silt loams, 11 to 30 percent slopes	0.000	0.069
Steele City	NE	York	777.079	777.117	0.038	NE185	Hastings silt loam, 6 to 11 percent slopes	0.000	0.038
Steele City	NE	York	777.164	777.206	0.042	NE185	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.042
Steele City	NE	York	778.425	778.497	0.071	NE185	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.071
Steele City	NE	York	785.234	785.291	0.057	NE185	Uly-Hobbs silt loams, 11 to 30 percent slopes	0.000	0.031
Steele City	NE	York	785.329	785.421	0.093	NE185	Uly-Hobbs silt loams, 11 to 30 percent slopes	0.000	0.051
Steele City	NE	York	786.067	786.117	0.050	NE185	Uly-Hobbs silt loams, 11 to 30 percent slopes	0.000	0.027
Steele City	NE	York	786.117	786.261	0.144	NE185	Geary-Hobbs silt loams, 11 to 30 percent slopes	0.000	0.072
Steele City	NE	York	786.399	786.532	0.132	NE185	Geary-Hobbs silt loams, 11 to 30 percent slopes	0.000	0.066
Steele City	NE	York	786.538	786.608	0.070	NE185	Geary-Hobbs silt loams, 11 to 30 percent slopes	0.000	0.035
Steele City	NE	York	786.801	786.853	0.052	NE185	Geary-Hobbs silt loams, 11 to 30 percent slopes	0.000	0.026
Steele City	NE	York	787.129	787.330	0.201	NE185	Geary-Hobbs silt loams, 11 to 30 percent slopes	0.000	0.100
Steele City	NE	York	787.883	787.927	0.044	NE185	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.044
Steele City	NE	York	787.952	788.115	0.163	NE185	Geary-Hobbs silt loams, 11 to 30 percent slopes	0.000	0.081
Steele City	NE	York	790.288	790.600	0.312	NE185	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.312
Steele City	NE	York	791.060	791.126	0.066	NE185	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.066
Steele City	NE	Fillmore	794.217	794.278	0.061	NE059	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.061
Steele City	NE	Fillmore	803.368	803.468	0.100	NE059	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.100
Steele City	NE	Fillmore	803.495	803.555	0.061	NE059	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.061
Steele City	NE	Fillmore	803.641	803.734	0.093	NE059	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.093
Steele City	NE	Fillmore	803.744	803.788	0.044	NE059	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.044
Steele City	NE	Fillmore	804.027	804.100	0.073	NE059	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.073
Steele City	NE	Fillmore	805.273	805.353	0.080	NE059	Uly-Hobbs silt loams, 0 to 30 percent slopes	0.000	0.048
Steele City	NE	Fillmore	806.225	806.292	0.067	NE059	Geary-Hobbs silt loams, 0 to 30 percent slopes	0.000	0.040
Steele City	NE	Fillmore	806.292	806.385	0.094	NE059	Geary silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.093
Steele City	NE	Fillmore	806.506	806.508	0.002	NE059	Geary silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.002
Steele City	NE	Fillmore	806.545	806.578	0.033	NE059	Geary silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.033
Steele City	NE	Fillmore	806.637	806.789	0.152	NE059	Geary silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.150
Steele City	NE	Fillmore	807.695	807.776	0.082	NE059	Geary silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.081
Steele City	NE	Fillmore	807.776	807.893	0.117	NE059	Geary-Hobbs silt loams, 0 to 30 percent slopes	0.000	0.070
Steele City	NE	Saline	808.188	808.254	0.066	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.066
Steele City	NE	Saline	808.390	808.432	0.042	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.042
Steele City	NE	Saline	808.491	808.607	0.116	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.116
Steele City	NE	Saline	813.627	813.830	0.203	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.203
Steele City	NE	Saline	813.830	814.069	0.239	NE151	Malmo silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.239
Steele City	NE	Saline	814.180	814.325	0.145	NE151	Malmo silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.145
Steele City	NE	Saline	814.325	814.404	0.079	NE151	Burchard clay loam, 6 to 11 percent slopes, eroded	0.000	0.079
Steele City	NE	Saline	814.464	814.496	0.032	NE151	Burchard clay loam, 6 to 11 percent slopes, eroded	0.000	0.032
Steele City	NE	Saline	814.496	814.560	0.064	NE151	Burchard-Steinauer clay loams, 11 to 30 percent slopes	0.000	0.064
Steele City	NE	Saline	814.560	814.567	0.007	NE151	Burchard clay loam, 6 to 11 percent slopes, eroded	0.000	0.007
Steele City	NE	Saline	814.567	814.605	0.037	NE151	Malmo silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.006
Steele City	NE	Saline	814.746	814.810	0.064	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.064
Steele City	NE	Saline	815.115	815.150	0.035	NE151	Burchard clay loam, 6 to 11 percent slopes	0.000	0.035
Steele City	NE	Saline	815.254	815.285	0.031	NE151	Burchard clay loam, 6 to 11 percent slopes	0.000	0.031
Steele City	NE	Saline	815.285	815.436	0.151	NE151	Burchard-Steinauer clay loams, 11 to 30 percent slopes	0.000	0.151
Steele City	NE	Saline	815.436	815.547	0.112	NE151	Malmo silty clay loam, 3 to 6 percent slopes, eroded	0.000	0.017

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	NE	Saline	817.052	817.112	0.061	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.061
Steele City	NE	Saline	817.148	817.177	0.029	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.029
Steele City	NE	Saline	817.494	817.558	0.064	NE151	Longford silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.064
Steele City	NE	Saline	817.674	817.707	0.033	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.033
Steele City	NE	Saline	817.891	817.963	0.072	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.072
Steele City	NE	Saline	818.023	818.075	0.052	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.052
Steele City	NE	Saline	818.135	818.259	0.124	NE151	Longford silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.124
Steele City	NE	Saline	818.512	818.584	0.073	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.073
Steele City	NE	Saline	818.624	818.666	0.042	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.042
Steele City	NE	Saline	818.666	818.730	0.064	NE151	Malmo silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.064
Steele City	NE	Saline	818.830	818.902	0.072	NE151	Malmo silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.072
Steele City	NE	Saline	819.494	819.685	0.191	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.191
Steele City	NE	Saline	819.734	819.891	0.157	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.157
Steele City	NE	Saline	819.891	819.999	0.107	NE151	Malmo silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.107
Steele City	NE	Saline	819.999	820.060	0.061	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.061
Steele City	NE	Saline	820.083	820.185	0.102	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.102
Steele City	NE	Saline	820.716	820.768	0.052	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.052
Steele City	NE	Saline	821.027	821.185	0.157	NE151	Longford silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.157
Steele City	NE	Saline	822.333	822.404	0.071	NE151	Longford silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.071
Steele City	NE	Saline	822.457	822.505	0.048	NE151	Geary silty clay loam, 11 to 30 percent slopes	0.000	0.048
Steele City	NE	Saline	822.595	822.645	0.051	NE151	Geary silty clay loam, 11 to 30 percent slopes	0.000	0.051
Steele City	NE	Saline	823.960	824.000	0.040	NE151	Geary silty clay loam, 11 to 30 percent slopes	0.000	0.040
Steele City	NE	Saline	824.138	824.167	0.030	NE151	Longford silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.030
Steele City	NE	Saline	824.814	824.910	0.096	NE151	Deroin silty clay loam, 6 to 11 percent slopes, eroded	0.000	0.096
Steele City	NE	Jefferson	825.452	825.655	0.204	NE095	Geary and Jansen soils, 5 to 11 percent slopes, severely eroded	0.000	0.204
Steele City	NE	Jefferson	825.655	825.714	0.059	NE095	Morrill clay loam, 7 to 11 percent slopes	0.000	0.059
Steele City	NE	Jefferson	825.795	825.834	0.039	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.000	0.039
Steele City	NE	Jefferson	825.987	826.020	0.034	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.000	0.034
Steele City	NE	Jefferson	826.020	826.118	0.097	NE095	Morrill clay loam, 11 to 30 percent slopes	0.000	0.097
Steele City	NE	Jefferson	826.969	827.106	0.137	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.000	0.137
Steele City	NE	Jefferson	827.106	827.159	0.053	NE095	Morrill clay loam, 11 to 30 percent slopes	0.000	0.053
Steele City	NE	Jefferson	827.159	827.209	0.049	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.000	0.049
Steele City	NE	Jefferson	827.209	827.332	0.123	NE095	Morrill clay loam, 11 to 30 percent slopes	0.000	0.123
Steele City	NE	Jefferson	827.370	827.473	0.103	NE095	Morrill clay loam, 11 to 30 percent slopes	0.000	0.103
Steele City	NE	Jefferson	827.473	827.535	0.063	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.000	0.063
Steele City	NE	Jefferson	827.772	827.824	0.052	NE095	Hastings silty clay loam, 3 to 11 percent slopes, severely eroded	0.000	0.052
Steele City	NE	Jefferson	828.511	828.564	0.053	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.000	0.053
Steele City	NE	Jefferson	828.709	828.767	0.058	NE095	Burchard clay loam, 11 to 30 percent slopes	0.000	0.058
Steele City	NE	Jefferson	828.801	828.969	0.169	NE095	Burchard clay loam, 11 to 30 percent slopes	0.000	0.169
Steele City	NE	Jefferson	831.661	831.723	0.062	NE095	Mayberry silty clay loam, 7 to 11 percent slopes	0.000	0.062
Steele City	NE	Jefferson	832.157	832.167	0.010	NE095	Mayberry silty clay loam, 7 to 11 percent slopes	0.000	0.010
Steele City	NE	Jefferson	832.631	832.778	0.146	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.000	0.146
Steele City	NE	Jefferson	833.887	833.934	0.047	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.000	0.047
Steele City	NE	Jefferson	834.325	834.487	0.163	NE095	Malcolm silt loam, 7 to 11 percent slopes, eroded	0.000	0.163
Steele City	NE	Jefferson	834.875	834.938	0.063	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.000	0.063
Steele City	NE	Jefferson	834.994	835.125	0.131	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.000	0.131
Steele City	NE	Jefferson	835.940	835.976	0.036	NE095	Malcolm silt loam, 7 to 11 percent slopes, eroded	0.000	0.036
Steele City	NE	Jefferson	836.311	836.376	0.065	NE095	Burchard clay loam, 7 to 11 percent slopes, severely eroded	0.000	0.065
Steele City	NE	Jefferson	836.517	836.579	0.061	NE095	Burchard clay loam, 7 to 11 percent slopes, severely eroded	0.000	0.061
Steele City	NE	Jefferson	836.710	836.729	0.020	NE095	Burchard clay loam, 7 to 11 percent slopes, severely eroded	0.000	0.020
Steele City	NE	Jefferson	836.790	837.014	0.225	NE095	Burchard clay loam, 7 to 11 percent slopes, severely eroded	0.000	0.225
Steele City	NE	Jefferson	837.552	837.619	0.067	NE095	Burchard clay loam, 11 to 30 percent slopes	0.000	0.067
Steele City	NE	Jefferson	837.672	837.791	0.119	NE095	Burchard clay loam, 11 to 30 percent slopes	0.000	0.119
Steele City	NE	Jefferson	839.511	839.593	0.082	NE095	Burchard clay loam, 7 to 11 percent slopes	0.000	0.082
Steele City	NE	Jefferson	840.624	840.642	0.018	NE095	Hastings silty clay loam, 3 to 11 percent slopes, severely eroded	0.000	0.018
Steele City	NE	Jefferson	840.771	840.813	0.042	NE095	Hastings silty clay loam, 3 to 11 percent slopes, severely eroded	0.000	0.042
Steele City	NE	Jefferson	842.056	842.180	0.123	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.000	0.123
Steele City	NE	Jefferson	842.180	842.217	0.037	NE095	Hastings silty clay loam, 3 to 11 percent slopes, severely eroded	0.000	0.037
Steele City	NE	Jefferson	842.487	842.663	0.176	NE095	Morrill clay loam, 11 to 30 percent slopes	0.000	0.176
Steele City	NE	Jefferson	843.481	843.520	0.039	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.000	0.039
Steele City	NE	Jefferson	843.763	843.873	0.110	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.000	0.110
Steele City	NE	Jefferson	843.898	843.922	0.024	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.000	0.024
Steele City	NE	Jefferson	845.639	845.694	0.056	NE095	Hastings silty clay loam, 3 to 11 percent slopes, severely eroded	0.000	0.056
Steele City	NE	Jefferson	846.447	846.518	0.071	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.000	0.071
Steele City	NE	Jefferson	846.756	846.826	0.070	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.000	0.070
Steele City	NE	Jefferson	847.325	847.488	0.163	NE095	Morrill clay loam, 11 to 30 percent slopes	0.000	0.163
Steele City	NE	Jefferson	847.577	847.648	0.071	NE095	Morrill clay loam, 11 to 30 percent slopes	0.000	0.071
Steele City	NE	Jefferson	847.866	847.939	0.073	NE095	Hastings silty clay loam, 3 to 11 percent slopes, severely eroded	0.000	0.073
Steele City	NE	Jefferson	848.649	848.659	0.010	NE095	Rough stony land	0.000	0.010
Steele City	NE	Jefferson	848.745	848.844	0.100	NE095	Rough stony land	0.000	0.100
Steele City	NE	Jefferson	848.844	849.034	0.190	NE095	Mayberry silty clay loam, 7 to 11 percent slopes	0.000	0.190

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Steele City	NE	Jefferson	849.034	849.165	0.131	NE095	Lancaster and Edalgo soils, 11 to 30 percent slopes	0.000	0.131
Steele City	NE	Jefferson	849.165	849.196	0.031	NE095	Edalgo silty clay loam, 7 to 11 percent slopes	0.000	0.031
Steele City	NE	Jefferson	849.196	849.222	0.026	NE095	Lancaster and Edalgo soils, 11 to 30 percent slopes	0.000	0.026
Steele City	NE	Jefferson	849.222	849.351	0.129	NE095	Rough stony land	0.000	0.129
Steele City	NE	Jefferson	849.351	849.407	0.056	NE095	Edalgo silty clay loam, 7 to 11 percent slopes	0.000	0.056
Steele City	NE	Jefferson	849.407	849.425	0.017	NE095	Lancaster and Edalgo soils, 11 to 30 percent slopes	0.000	0.017
Steele City	NE	Jefferson	849.425	849.506	0.081	NE095	Rough stony land	0.000	0.081
Steele City	NE	Jefferson	849.506	849.619	0.113	NE095	Lancaster and Edalgo soils, 11 to 30 percent slopes	0.000	0.113
Steele City	NE	Jefferson	849.619	849.724	0.106	NE095	Lancaster loam, 7 to 11 percent slopes	0.000	0.106
Steele City	NE	Jefferson	850.215	850.289	0.074	NE095	Geary and Jansen soils, 5 to 11 percent slopes, severely eroded	0.000	0.074
Steele City	NE	Jefferson	850.289	850.545	0.255	NE095	Geary and Jansen soils, 5 to 11 percent slopes	0.000	0.255
Steele City	NE	Jefferson	850.655	850.681	0.027	NE095	Geary and Jansen soils, 5 to 11 percent slopes	0.000	0.027
GULF COAST SEGMENT									
Gulf Coast	OK	Lincoln	0.098	0.231	0.1333	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.127
Gulf Coast	OK	Lincoln	0.930	1.015	0.0843	OK081	Teller loam, 3 to 5 percent slopes, eroded	0.004	0.000
Gulf Coast	OK	Lincoln	1.039	1.115	0.0758	OK081	Teller loam, 3 to 5 percent slopes, eroded	0.004	0.000
Gulf Coast	OK	Lincoln	1.422	1.730	0.3084	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.293
Gulf Coast	OK	Lincoln	1.730	1.866	0.1363	OK081	Stephenville fine sandy loam, 1 to 3 percent slopes	0.007	0.000
Gulf Coast	OK	Lincoln	2.585	2.648	0.0631	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.038	0.025
Gulf Coast	OK	Lincoln	2.648	2.735	0.0864	OK081	Stephenville fine sandy loam, 3 to 5 percent slopes	0.004	0.000
Gulf Coast	OK	Lincoln	3.154	3.262	0.1086	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.103
Gulf Coast	OK	Lincoln	3.712	3.742	0.0298	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.018	0.012
Gulf Coast	OK	Lincoln	3.742	3.970	0.2274	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.216
Gulf Coast	OK	Lincoln	4.103	4.552	0.4487	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.426
Gulf Coast	OK	Lincoln	4.552	4.630	0.0785	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.047	0.031
Gulf Coast	OK	Lincoln	4.630	5.064	0.4333	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.412
Gulf Coast	OK	Lincoln	5.064	5.130	0.0667	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.040	0.027
Gulf Coast	OK	Lincoln	5.130	5.131	0.0005	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.000
Gulf Coast	OK	Lincoln	5.452	5.494	0.0426	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.040
Gulf Coast	OK	Lincoln	5.648	5.761	0.1132	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.108
Gulf Coast	OK	Lincoln	5.816	5.855	0.0386	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.037
Gulf Coast	OK	Lincoln	6.482	6.532	0.0508	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.048
Gulf Coast	OK	Lincoln	6.944	7.674	0.7301	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.694
Gulf Coast	OK	Lincoln	7.674	7.727	0.0526	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.032
Gulf Coast	OK	Lincoln	7.921	7.951	0.0298	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.028
Gulf Coast	OK	Lincoln	7.951	7.973	0.0219	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.013	0.009
Gulf Coast	OK	Lincoln	8.022	8.111	0.0892	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.054	0.036
Gulf Coast	OK	Lincoln	8.335	8.387	0.0523	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.031	0.021
Gulf Coast	OK	Lincoln	8.456	8.532	0.0751	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.045	0.030
Gulf Coast	OK	Lincoln	8.731	8.795	0.0647	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.039
Gulf Coast	OK	Lincoln	8.930	9.001	0.0710	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.043
Gulf Coast	OK	Lincoln	9.175	9.370	0.1956	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.117
Gulf Coast	OK	Lincoln	9.370	9.452	0.0816	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.078
Gulf Coast	OK	Lincoln	9.452	9.469	0.0172	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.010
Gulf Coast	OK	Lincoln	9.469	9.550	0.0805	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.077
Gulf Coast	OK	Lincoln	10.477	10.572	0.0951	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.057
Gulf Coast	OK	Lincoln	10.638	10.753	0.1141	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.068
Gulf Coast	OK	Lincoln	12.640	12.693	0.0530	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.032
Gulf Coast	OK	Lincoln	12.823	12.880	0.0575	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.035
Gulf Coast	OK	Lincoln	13.500	13.513	0.0131	OK081	Stephenville fine sandy loam, 3 to 5 percent slopes	0.001	0.000
Gulf Coast	OK	Lincoln	13.901	13.982	0.0809	OK081	Teller loam, 3 to 5 percent slopes	0.004	0.000
Gulf Coast	OK	Lincoln	14.211	14.255	0.0438	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.026	0.018
Gulf Coast	OK	Lincoln	14.255	14.326	0.0710	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.067
Gulf Coast	OK	Lincoln	14.326	14.406	0.0801	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.048	0.032
Gulf Coast	OK	Lincoln	14.406	14.422	0.0163	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000	0.015
Gulf Coast	OK	Lincoln	14.422	14.498	0.0764	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.046	0.031
Gulf Coast	OK	Lincoln	14.498	14.521	0.0225	OK081	Stephenville fine sandy loam, 3 to 5 percent slopes	0.001	0.000
Gulf Coast	OK	Lincoln	14.610	14.648	0.0381	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.023	0.015
Gulf Coast	OK	Lincoln	14.670	14.703	0.0329	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.020	0.013
Gulf Coast	OK	Lincoln	14.856	15.033	0.1772	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.106	0.071
Gulf Coast	OK	Lincoln	15.033	15.310	0.2770	OK081	Stephenville fine sandy loam, 3 to 5 percent slopes	0.014	0.000
Gulf Coast	OK	Lincoln	15.310	15.411	0.1012	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.061	0.040
Gulf Coast	OK	Lincoln	15.585	15.690	0.1048	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.063
Gulf Coast	OK	Lincoln	16.524	16.545	0.0208	OK081	Stephenville fine sandy loam, 1 to 3 percent slopes	0.001	0.000
Gulf Coast	OK	Lincoln	17.079	17.164	0.0844	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.000	0.051
Gulf Coast	OK	Creek	17.996	18.065	0.0696	OK037	Collinsville and Talihina soils, 5 to 12 percent slopes	0.000	0.024
Gulf Coast	OK	Creek	18.523	18.536	0.0124	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.000	0.004
Gulf Coast	OK	Creek	19.147	19.231	0.0843	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.000	0.030
Gulf Coast	OK	Creek	19.678	19.694	0.0163	OK037	Darnell-Niotaze complex, 12 to 20 percent slopes	0.000	0.015
Gulf Coast	OK	Creek	19.694	19.719	0.0247	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.000	0.009
Gulf Coast	OK	Creek	19.923	19.985	0.0625	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.000	0.022
Gulf Coast	OK	Creek	20.156	20.325	0.1689	OK037	Darnell-Niotaze complex, 12 to 20 percent slopes	0.000	0.152
Gulf Coast	OK	Creek	20.325	20.445	0.1203	OK037	Collinsville and Talihina soils, 5 to 12 percent slopes	0.000	0.042
Gulf Coast	OK	Creek	20.445	20.512	0.0665	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.000	0.023
Gulf Coast	OK	Creek	20.608	20.849	0.2411	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.000	0.084
Gulf Coast	OK	Creek	20.849	21.061	0.2114	OK037	Darnell-Niotaze complex, 12 to 20 percent slopes	0.000	0.190
Gulf Coast	OK	Creek	21.061	21.128	0.0668	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.000	0.023

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Gulf Coast	OK	Creek	21.128	21.208	0.0808	OK037	Darnell-Niotaze complex, 12 to 20 percent slopes	0.000	0.073
Gulf Coast	OK	Creek	21.208	21.363	0.1549	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.000	0.054
Gulf Coast	OK	Creek	21.363	21.384	0.0203	OK037	Darnell-Niotaze complex, 12 to 20 percent slopes	0.000	0.018
Gulf Coast	OK	Creek	21.384	21.451	0.0673	OK037	Dougherty and Stidham soils, 3 to 8 percent slopes	0.063	0.000
Gulf Coast	OK	Creek	21.826	22.043	0.2170	OK037	Eufaula loamy fine sand, 0 to 3 percent slopes	0.191	0.000
Gulf Coast	OK	Okfuskee	23.224	23.593	0.3691	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.103	0.000
Gulf Coast	OK	Okfuskee	23.593	23.609	0.0156	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.009	0.005
Gulf Coast	OK	Okfuskee	23.609	24.784	1.1747	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.059	0.000
Gulf Coast	OK	Okfuskee	24.784	24.945	0.1611	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.097	0.056
Gulf Coast	OK	Okfuskee	24.945	25.105	0.1599	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.045	0.000
Gulf Coast	OK	Okfuskee	25.105	25.242	0.1379	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.083	0.048
Gulf Coast	OK	Okfuskee	25.242	25.351	0.1086	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.030	0.000
Gulf Coast	OK	Okfuskee	25.351	25.485	0.1340	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.080	0.047
Gulf Coast	OK	Okfuskee	25.485	25.547	0.0623	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.003	0.000
Gulf Coast	OK	Okfuskee	25.547	25.664	0.1162	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.070	0.041
Gulf Coast	OK	Okfuskee	25.664	25.686	0.0224	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.006	0.000
Gulf Coast	OK	Okfuskee	25.686	25.955	0.2695	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.162	0.094
Gulf Coast	OK	Okfuskee	26.465	26.580	0.1141	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.068	0.040
Gulf Coast	OK	Okfuskee	26.580	26.968	0.3882	OK107	Darsil-Stephenville complex, 3 to 5 percent slopes	0.194	0.000
Gulf Coast	OK	Okfuskee	26.968	27.014	0.0461	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.028	0.016
Gulf Coast	OK	Okfuskee	27.014	27.635	0.6209	OK107	Darsil-Stephenville complex, 3 to 5 percent slopes	0.310	0.000
Gulf Coast	OK	Okfuskee	27.635	27.651	0.0165	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.005	0.000
Gulf Coast	OK	Okfuskee	27.651	27.677	0.0258	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.015	0.009
Gulf Coast	OK	Okfuskee	27.677	27.915	0.2378	OK107	Darsil-Stephenville complex, 3 to 5 percent slopes	0.119	0.000
Gulf Coast	OK	Okfuskee	28.160	28.410	0.2501	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.070	0.000
Gulf Coast	OK	Okfuskee	28.410	28.592	0.1821	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.009	0.000
Gulf Coast	OK	Okfuskee	28.592	28.654	0.0617	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.037	0.022
Gulf Coast	OK	Okfuskee	28.654	28.742	0.0884	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.025	0.000
Gulf Coast	OK	Okfuskee	28.742	28.794	0.0514	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.031	0.018
Gulf Coast	OK	Okfuskee	28.794	28.928	0.1340	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.007	0.000
Gulf Coast	OK	Okfuskee	28.928	28.990	0.0624	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.019	0.000
Gulf Coast	OK	Okfuskee	28.990	29.056	0.0659	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.040	0.023
Gulf Coast	OK	Okfuskee	29.056	29.272	0.2157	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.065	0.000
Gulf Coast	OK	Okfuskee	29.272	29.619	0.3479	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.209	0.122
Gulf Coast	OK	Okfuskee	29.619	29.873	0.2533	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.076	0.000
Gulf Coast	OK	Okfuskee	29.873	30.084	0.2110	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.127	0.074
Gulf Coast	OK	Okfuskee	30.084	30.124	0.0403	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.012	0.000
Gulf Coast	OK	Okfuskee	30.124	30.268	0.1441	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.086	0.050
Gulf Coast	OK	Okfuskee	30.268	30.395	0.1268	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.038	0.000
Gulf Coast	OK	Okfuskee	30.455	30.605	0.1501	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.008	0.000
Gulf Coast	OK	Okfuskee	30.605	30.674	0.0685	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.019	0.000
Gulf Coast	OK	Okfuskee	30.674	30.874	0.2006	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.010	0.000
Gulf Coast	OK	Okfuskee	30.874	31.746	0.8713	OK107	Darsil-Stephenville complex, 3 to 5 percent slopes	0.436	0.000
Gulf Coast	OK	Okfuskee	31.746	32.726	0.9808	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.275	0.000
Gulf Coast	OK	Okfuskee	32.726	32.821	0.0945	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.005	0.000
Gulf Coast	OK	Okfuskee	32.821	33.008	0.1868	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.052	0.000
Gulf Coast	OK	Okfuskee	33.123	33.183	0.0601	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.036	0.021
Gulf Coast	OK	Okfuskee	33.473	33.633	0.1600	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.096	0.056
Gulf Coast	OK	Okfuskee	33.633	33.733	0.1003	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.005	0.000
Gulf Coast	OK	Okfuskee	33.733	33.820	0.0873	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.052	0.031
Gulf Coast	OK	Okfuskee	33.820	33.877	0.0570	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.016	0.000
Gulf Coast	OK	Okfuskee	33.877	34.010	0.1324	OK107	Darsil-Stephenville complex, 3 to 5 percent slopes	0.066	0.000
Gulf Coast	OK	Okfuskee	34.010	34.168	0.1586	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.044	0.000
Gulf Coast	OK	Okfuskee	34.168	34.478	0.3101	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.186	0.109
Gulf Coast	OK	Okfuskee	34.478	35.111	0.6326	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.177	0.000
Gulf Coast	OK	Okfuskee	35.111	35.451	0.3400	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.204	0.119
Gulf Coast	OK	Okfuskee	35.451	35.473	0.0226	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.001	0.000
Gulf Coast	OK	Okfuskee	35.473	36.069	0.5958	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.357	0.209
Gulf Coast	OK	Okfuskee	36.463	36.597	0.1336	OK107	Navina loam, 1 to 3 percent slopes	0.003	0.000
Gulf Coast	OK	Okfuskee	36.796	37.030	0.2340	OK107	Navina loam, 1 to 3 percent slopes	0.005	0.000
Gulf Coast	OK	Okfuskee	37.103	37.550	0.4476	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.269	0.157
Gulf Coast	OK	Okfuskee	37.550	37.643	0.0931	OK107	Konawa-Gullied land complex, 3 to 12 percent slopes	0.005	0.068
Gulf Coast	OK	Okfuskee	37.643	37.712	0.0689	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.041	0.024
Gulf Coast	OK	Okfuskee	37.712	38.199	0.4868	OK107	Eufaula loamy fine sand, 0 to 3 percent slopes	0.462	0.000
Gulf Coast	OK	Okfuskee	38.199	38.326	0.1271	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.076	0.044
Gulf Coast	OK	Okfuskee	38.326	38.351	0.0248	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.001	0.000
Gulf Coast	OK	Okfuskee	38.351	38.373	0.0219	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.013	0.008
Gulf Coast	OK	Okfuskee	38.373	38.698	0.3251	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.016	0.000
Gulf Coast	OK	Seminole	38.719	38.771	0.0517	OK133	Gracemore loamy fine sand, 0 to 1 percent slopes, frequently floode	0.049	0.000
Gulf Coast	OK	Seminole	38.771	38.805	0.0335	OK133	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.003	0.000
Gulf Coast	OK	Seminole	38.917	39.167	0.2501	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.000	0.145
Gulf Coast	OK	Seminole	39.302	39.314	0.0122	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.000	0.007
Gulf Coast	OK	Seminole	39.383	39.416	0.0333	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.000	0.019
Gulf Coast	OK	Seminole	39.416	39.549	0.1330	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.080
Gulf Coast	OK	Seminole	39.549	39.651	0.1023	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.000	0.059
Gulf Coast	OK	Seminole	39.651	39.685	0.0332	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.003	0.000
Gulf Coast	OK	Seminole	39.685	39.727	0.0419	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.000	0.024
Gulf Coast	OK	Seminole	39.727	39.795	0.0683	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.007	0.000

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Gulf Coast	OK	Seminole	39.795	39.859	0.0641	OK133	Konawa fine sandy loam, 1 to 3 percent slopes	0.003	0.000
Gulf Coast	OK	Seminole	39.859	39.951	0.0915	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.009	0.000
Gulf Coast	OK	Seminole	40.323	40.413	0.0900	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.009	0.000
Gulf Coast	OK	Seminole	40.561	40.593	0.0312	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.000	0.018
Gulf Coast	OK	Seminole	40.593	40.778	0.1857	OK133	Konawa fine sandy loam, 3 to 5 percent slopes, eroded	0.009	0.000
Gulf Coast	OK	Seminole	40.778	40.808	0.0298	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.003	0.000
Gulf Coast	OK	Seminole	40.857	40.887	0.0305	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.003	0.000
Gulf Coast	OK	Seminole	40.892	40.973	0.0805	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.000	0.047
Gulf Coast	OK	Seminole	40.973	41.051	0.0780	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.008	0.000
Gulf Coast	OK	Seminole	42.481	42.538	0.0566	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.000	0.057
Gulf Coast	OK	Seminole	42.538	42.687	0.1491	OK133	Eram-Coweta complex, 5 to 12 percent slopes	0.000	0.134
Gulf Coast	OK	Seminole	43.360	43.440	0.0798	OK133	Konawa fine sandy loam, 3 to 5 percent slopes, eroded	0.004	0.000
Gulf Coast	OK	Seminole	43.745	44.054	0.3084	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.185
Gulf Coast	OK	Seminole	44.054	44.143	0.0889	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely erod	0.000	0.078
Gulf Coast	OK	Seminole	44.143	44.229	0.0866	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.052
Gulf Coast	OK	Seminole	44.482	44.725	0.2435	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely erod	0.000	0.214
Gulf Coast	OK	Seminole	44.725	44.729	0.0041	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.002
Gulf Coast	OK	Seminole	44.729	44.743	0.0135	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely erod	0.000	0.012
Gulf Coast	OK	Seminole	44.888	45.163	0.2749	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.165
Gulf Coast	OK	Seminole	45.163	45.365	0.2023	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely erod	0.000	0.178
Gulf Coast	OK	Seminole	45.365	45.533	0.1675	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.100
Gulf Coast	OK	Seminole	45.533	45.933	0.4006	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely erod	0.000	0.353
Gulf Coast	OK	Seminole	45.933	46.253	0.3192	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.192
Gulf Coast	OK	Seminole	47.891	47.972	0.0804	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.048
Gulf Coast	OK	Seminole	47.972	48.000	0.0282	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.000	0.028
Gulf Coast	OK	Seminole	48.000	48.031	0.0310	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.003	0.000
Gulf Coast	OK	Seminole	48.422	48.629	0.2068	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.000	0.207
Gulf Coast	OK	Seminole	48.629	48.815	0.1864	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.112
Gulf Coast	OK	Seminole	48.815	48.872	0.0574	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.000	0.057
Gulf Coast	OK	Seminole	48.872	48.912	0.0395	OK133	Eram-Coweta complex, 5 to 12 percent slopes	0.000	0.036
Gulf Coast	OK	Seminole	49.018	49.076	0.0577	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.035
Gulf Coast	OK	Seminole	49.267	49.318	0.0509	OK133	Eram-Coweta complex, 5 to 12 percent slopes	0.000	0.046
Gulf Coast	OK	Seminole	49.506	49.655	0.1484	OK133	Eram-Coweta complex, 5 to 12 percent slopes	0.000	0.134
Gulf Coast	OK	Seminole	49.655	49.658	0.0031	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.000	0.003
Gulf Coast	OK	Seminole	50.273	50.317	0.0441	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.000	0.044
Gulf Coast	OK	Seminole	50.317	50.380	0.0631	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.038
Gulf Coast	OK	Seminole	55.607	55.806	0.1987	OK133	Eram-Coweta complex, 5 to 12 percent slopes	0.000	0.179
Gulf Coast	OK	Seminole	57.744	57.986	0.2419	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.000	0.145
Gulf Coast	OK	Seminole	57.986	58.032	0.0459	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.000	0.046
Gulf Coast	OK	Seminole	58.032	58.189	0.1571	OK133	Konawa fine sandy loam, 3 to 8 percent slopes, gullied	0.008	0.000
Gulf Coast	OK	Seminole	59.054	59.091	0.0368	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.000	0.037
Gulf Coast	OK	Hughes	59.660	59.725	0.0657	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.066
Gulf Coast	OK	Hughes	59.843	59.882	0.0390	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.039
Gulf Coast	OK	Hughes	59.933	59.954	0.0217	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.022
Gulf Coast	OK	Hughes	60.660	60.737	0.0770	OK063	Eram-Verdigris complex, 0 to 20 percent slopes	0.000	0.042
Gulf Coast	OK	Hughes	60.796	61.022	0.2260	OK063	Eram-Verdigris complex, 0 to 20 percent slopes	0.000	0.124
Gulf Coast	OK	Hughes	61.375	61.409	0.0341	OK063	Eram-Verdigris complex, 0 to 20 percent slopes	0.000	0.019
Gulf Coast	OK	Hughes	61.409	61.574	0.1652	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.165
Gulf Coast	OK	Hughes	61.574	61.801	0.2266	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.227
Gulf Coast	OK	Hughes	61.801	61.855	0.0536	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.054
Gulf Coast	OK	Hughes	61.855	61.885	0.0305	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.030
Gulf Coast	OK	Hughes	61.885	61.949	0.0642	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.064
Gulf Coast	OK	Hughes	61.949	62.216	0.2671	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.267
Gulf Coast	OK	Hughes	62.216	62.262	0.0457	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.046
Gulf Coast	OK	Hughes	62.539	62.742	0.2028	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.203
Gulf Coast	OK	Hughes	63.490	63.652	0.1621	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.162
Gulf Coast	OK	Hughes	63.715	63.844	0.1294	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.129
Gulf Coast	OK	Hughes	63.844	63.946	0.1021	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.102
Gulf Coast	OK	Hughes	64.751	64.894	0.1432	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.143
Gulf Coast	OK	Hughes	64.894	64.992	0.0977	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.098
Gulf Coast	OK	Hughes	65.203	65.243	0.0397	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.040
Gulf Coast	OK	Hughes	65.347	65.418	0.0706	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.071
Gulf Coast	OK	Hughes	65.465	65.560	0.0955	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.095
Gulf Coast	OK	Hughes	65.619	65.672	0.0536	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.054
Gulf Coast	OK	Hughes	65.978	65.979	0.0015	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.001
Gulf Coast	OK	Hughes	67.521	67.574	0.0529	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.053
Gulf Coast	OK	Hughes	67.821	67.888	0.0665	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.066
Gulf Coast	OK	Hughes	68.655	68.841	0.1860	OK063	Stidham loamy fine sand, 0 to 2 percent slopes	0.186	0.000
Gulf Coast	OK	Hughes	68.841	69.271	0.4297	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.430	0.000
Gulf Coast	OK	Hughes	69.271	69.345	0.0739	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.074	0.000
Gulf Coast	OK	Hughes	69.551	69.820	0.2692	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.269	0.000
Gulf Coast	OK	Hughes	69.820	69.854	0.0343	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.034	0.000
Gulf Coast	OK	Hughes	69.854	69.898	0.0437	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.044	0.000
Gulf Coast	OK	Hughes	69.898	70.109	0.2113	OK063	Glentosh fine sand, 0 to 3 percent slopes	0.211	0.000
Gulf Coast	OK	Hughes	70.569	70.759	0.1901	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.190
Gulf Coast	OK	Hughes	70.872	70.967	0.0947	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.095	0.000
Gulf Coast	OK	Hughes	70.970	71.077	0.1071	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.107
Gulf Coast	OK	Hughes	71.741	71.961	0.2201	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.220

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Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Gulf Coast	OK	Hughes	72.040	72.051	0.0109	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.011
Gulf Coast	OK	Hughes	72.162	72.224	0.0614	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.061
Gulf Coast	OK	Hughes	72.321	72.430	0.1094	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.109
Gulf Coast	OK	Hughes	72.628	72.666	0.0386	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.039
Gulf Coast	OK	Hughes	72.857	72.917	0.0606	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.061
Gulf Coast	OK	Hughes	72.917	73.041	0.1239	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.124	0.000
Gulf Coast	OK	Hughes	73.139	73.182	0.0424	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.042	0.000
Gulf Coast	OK	Hughes	73.224	73.418	0.1946	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.195	0.000
Gulf Coast	OK	Hughes	73.607	73.702	0.0945	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.095	0.000
Gulf Coast	OK	Hughes	73.933	74.067	0.1340	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.134
Gulf Coast	OK	Hughes	74.067	74.157	0.0904	OK063	Kiomatia loamy fine sand, 0 to 1 percent slopes, occasionally floode	0.090	0.000
Gulf Coast	OK	Hughes	74.288	74.431	0.1428	OK063	Kiomatia loamy fine sand, 0 to 1 percent slopes, occasionally floode	0.143	0.000
Gulf Coast	OK	Hughes	74.793	74.945	0.1520	OK063	Kiomatia loamy fine sand, 0 to 1 percent slopes, occasionally floode	0.152	0.000
Gulf Coast	OK	Hughes	74.945	75.112	0.1672	OK063	Larton-Glentosh complex, 8 to 20 percent slopes	0.142	0.109
Gulf Coast	OK	Hughes	75.112	75.145	0.0329	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	0.000	0.021
Gulf Coast	OK	Hughes	75.145	75.438	0.2933	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.293
Gulf Coast	OK	Hughes	75.438	75.587	0.1490	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.149	0.000
Gulf Coast	OK	Hughes	75.587	75.620	0.0325	OK063	Larton-Glentosh complex, 8 to 20 percent slopes	0.028	0.021
Gulf Coast	OK	Hughes	75.620	75.640	0.0198	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.020	0.000
Gulf Coast	OK	Hughes	75.640	75.683	0.0430	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.043	0.000
Gulf Coast	OK	Hughes	75.683	75.868	0.1849	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.185	0.000
Gulf Coast	OK	Hughes	75.868	75.952	0.0846	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.085	0.000
Gulf Coast	OK	Hughes	76.137	76.182	0.0450	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.045	0.000
Gulf Coast	OK	Hughes	76.182	76.305	0.1229	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.123
Gulf Coast	OK	Hughes	76.305	76.655	0.3500	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.350	0.000
Gulf Coast	OK	Hughes	76.767	76.874	0.1069	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.107	0.000
Gulf Coast	OK	Hughes	76.874	76.903	0.0283	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.028	0.000
Gulf Coast	OK	Hughes	76.903	77.015	0.1122	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.112	0.000
Gulf Coast	OK	Hughes	77.015	77.150	0.1354	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.135	0.000
Gulf Coast	OK	Hughes	78.153	78.259	0.1065	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.107
Gulf Coast	OK	Hughes	78.445	78.538	0.0928	OK063	Eram-Verdigris complex, 0 to 20 percent slopes	0.000	0.051
Gulf Coast	OK	Hughes	78.591	78.649	0.0576	OK063	Eram-Verdigris complex, 0 to 20 percent slopes	0.000	0.032
Gulf Coast	OK	Hughes	78.969	79.015	0.0467	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.047	0.000
Gulf Coast	OK	Hughes	79.038	79.144	0.1062	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.106	0.000
Gulf Coast	OK	Hughes	79.144	79.595	0.4508	OK063	Glentosh fine sand, 0 to 3 percent slopes	0.451	0.000
Gulf Coast	OK	Hughes	79.595	79.696	0.1003	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.100	0.000
Gulf Coast	OK	Hughes	79.759	79.876	0.1166	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.117	0.000
Gulf Coast	OK	Hughes	79.876	80.093	0.2178	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.218	0.000
Gulf Coast	OK	Hughes	80.093	80.247	0.1532	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.153	0.000
Gulf Coast	OK	Hughes	80.299	80.352	0.0526	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.053	0.000
Gulf Coast	OK	Hughes	80.352	80.440	0.0884	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.088	0.000
Gulf Coast	OK	Hughes	80.440	80.649	0.2091	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.209	0.000
Gulf Coast	OK	Hughes	80.649	80.818	0.1695	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.169	0.000
Gulf Coast	OK	Hughes	80.818	81.077	0.2589	OK063	Stidham loamy fine sand, 0 to 2 percent slopes	0.259	0.000
Gulf Coast	OK	Hughes	81.077	81.108	0.0306	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.031	0.000
Gulf Coast	OK	Hughes	81.108	81.236	0.1279	OK063	Stidham loamy fine sand, 0 to 2 percent slopes	0.128	0.000
Gulf Coast	OK	Hughes	81.309	81.435	0.1265	OK063	Stidham loamy fine sand, 0 to 2 percent slopes	0.127	0.000
Gulf Coast	OK	Hughes	81.435	82.554	1.1193	OK063	Wann loam, 0 to 1 percent slopes	0.000	1.119
Gulf Coast	OK	Hughes	82.801	83.199	0.3981	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.398
Gulf Coast	OK	Hughes	83.673	83.750	0.0777	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.078
Gulf Coast	OK	Hughes	84.369	84.401	0.0325	OK063	Eram-Verdigris complex, 0 to 20 percent slopes	0.000	0.018
Gulf Coast	OK	Hughes	84.702	84.853	0.1504	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	0.000	0.098
Gulf Coast	OK	Hughes	84.934	84.963	0.0289	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	0.000	0.019
Gulf Coast	OK	Hughes	85.071	85.096	0.0253	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.025
Gulf Coast	OK	Hughes	85.096	85.135	0.0386	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	0.000	0.025
Gulf Coast	OK	Hughes	85.214	85.216	0.0014	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	0.000	0.001
Gulf Coast	OK	Hughes	85.504	85.559	0.0542	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	0.000	0.035
Gulf Coast	OK	Hughes	85.559	85.598	0.0396	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.040
Gulf Coast	OK	Hughes	85.598	85.638	0.0401	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.040
Gulf Coast	OK	Hughes	85.777	85.782	0.0053	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.005
Gulf Coast	OK	Hughes	85.905	85.951	0.0468	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.000	0.047
Gulf Coast	OK	Hughes	86.329	86.530	0.2009	OK063	Wann loam, 0 to 1 percent slopes	0.000	0.201
Gulf Coast	OK	Coal	87.770	87.811	0.0406	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.037
Gulf Coast	OK	Coal	87.848	88.021	0.1729	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.156
Gulf Coast	OK	Coal	88.021	88.301	0.2808	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.253
Gulf Coast	OK	Coal	88.301	89.422	1.1201	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	1.008
Gulf Coast	OK	Coal	89.422	89.440	0.0190	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.017
Gulf Coast	OK	Coal	89.440	89.735	0.2941	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.265
Gulf Coast	OK	Coal	89.735	89.837	0.1021	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.092
Gulf Coast	OK	Coal	90.039	90.082	0.0423	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.038
Gulf Coast	OK	Coal	90.082	90.108	0.0269	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.024
Gulf Coast	OK	Coal	90.108	90.195	0.0867	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.078
Gulf Coast	OK	Coal	90.221	90.364	0.1427	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.128
Gulf Coast	OK	Coal	91.449	91.633	0.1842	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.166
Gulf Coast	OK	Coal	91.752	91.839	0.0875	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.079
Gulf Coast	OK	Coal	91.900	91.976	0.0769	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.069
Gulf Coast	OK	Coal	92.394	92.430	0.0361	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.032
Gulf Coast	OK	Coal	92.430	92.481	0.0514	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.046

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Gulf Coast	OK	Coal	92.560	92.596	0.0366	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.033
Gulf Coast	OK	Coal	93.311	93.329	0.0184	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.017
Gulf Coast	OK	Coal	93.888	93.945	0.0572	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.051
Gulf Coast	OK	Coal	93.945	94.109	0.1634	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.147
Gulf Coast	OK	Coal	94.583	94.686	0.1033	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.093
Gulf Coast	OK	Coal	94.785	94.859	0.0737	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.066
Gulf Coast	OK	Coal	94.859	94.909	0.0505	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.045
Gulf Coast	OK	Coal	95.128	95.226	0.0981	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.088
Gulf Coast	OK	Coal	95.514	95.637	0.1231	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.111
Gulf Coast	OK	Coal	95.744	95.948	0.2041	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.184
Gulf Coast	OK	Coal	96.094	96.176	0.0819	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.074
Gulf Coast	OK	Coal	96.176	96.273	0.0968	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.087
Gulf Coast	OK	Coal	96.411	96.645	0.2348	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.211
Gulf Coast	OK	Coal	96.819	96.908	0.0897	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.081
Gulf Coast	OK	Coal	97.637	97.715	0.0783	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.070
Gulf Coast	OK	Coal	97.970	98.023	0.0530	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.048
Gulf Coast	OK	Coal	98.621	98.702	0.0812	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.073
Gulf Coast	OK	Coal	98.702	98.729	0.0270	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.024
Gulf Coast	OK	Coal	98.746	98.879	0.1331	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.120
Gulf Coast	OK	Coal	99.245	99.309	0.0640	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.058
Gulf Coast	OK	Coal	99.689	99.729	0.0408	OK029	Steedman-Dela complex, 5 to 30 percent slopes	0.000	0.015
Gulf Coast	OK	Coal	100.076	100.313	0.2371	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.213
Gulf Coast	OK	Coal	100.389	100.589	0.2000	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.180
Gulf Coast	OK	Coal	100.630	100.710	0.0803	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.072
Gulf Coast	OK	Coal	100.964	101.443	0.4792	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.431
Gulf Coast	OK	Coal	101.443	101.528	0.0848	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.076
Gulf Coast	OK	Coal	101.528	101.570	0.0423	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.038
Gulf Coast	OK	Coal	102.079	102.122	0.0429	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.039
Gulf Coast	OK	Coal	102.157	102.559	0.4012	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.361
Gulf Coast	OK	Coal	102.678	102.902	0.2238	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.201
Gulf Coast	OK	Coal	102.902	102.917	0.0146	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.013
Gulf Coast	OK	Coal	103.772	104.174	0.4028	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.363
Gulf Coast	OK	Coal	104.388	104.437	0.0490	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.044
Gulf Coast	OK	Coal	104.590	104.981	0.3911	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.352
Gulf Coast	OK	Coal	105.216	105.374	0.1580	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.142
Gulf Coast	OK	Coal	105.586	105.694	0.1083	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.097
Gulf Coast	OK	Coal	106.031	106.059	0.0286	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.026
Gulf Coast	OK	Coal	106.233	106.262	0.0288	OK029	Steedman-Dela complex, 5 to 30 percent slopes	0.000	0.010
Gulf Coast	OK	Coal	106.492	106.535	0.0423	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.038
Gulf Coast	OK	Coal	106.535	106.621	0.0861	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.078
Gulf Coast	OK	Coal	107.560	107.602	0.0422	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.038
Gulf Coast	OK	Coal	110.282	110.361	0.0792	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.071
Gulf Coast	OK	Coal	110.361	110.399	0.0383	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.034
Gulf Coast	OK	Coal	110.740	110.776	0.0359	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.000	0.032
Gulf Coast	OK	Coal	110.776	110.916	0.1399	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.000	0.126
Gulf Coast	OK	Coal	112.714	112.741	0.0271	OK029	Steedman-Dela complex, 5 to 30 percent slopes	0.000	0.010
Gulf Coast	OK	Atoka	117.979	118.100	0.1210	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.006	0.000
Gulf Coast	OK	Atoka	118.328	118.530	0.2027	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.010	0.000
Gulf Coast	OK	Atoka	118.717	118.734	0.0169	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.001	0.000
Gulf Coast	OK	Atoka	118.859	118.927	0.0671	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.003	0.000
Gulf Coast	OK	Atoka	118.927	119.085	0.1582	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.008	0.000
Gulf Coast	OK	Atoka	119.085	119.153	0.0681	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.003	0.000
Gulf Coast	OK	Atoka	119.414	119.601	0.1877	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.009	0.000
Gulf Coast	OK	Atoka	119.601	119.774	0.1727	OK005	Bernow fine sandy loam, 0 to 1 percent slopes	0.009	0.000
Gulf Coast	OK	Atoka	119.774	120.060	0.2857	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.014	0.000
Gulf Coast	OK	Atoka	120.060	120.109	0.0494	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.002	0.000
Gulf Coast	OK	Atoka	120.109	120.268	0.1594	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.008	0.000
Gulf Coast	OK	Atoka	120.268	120.317	0.0487	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.002	0.000
Gulf Coast	OK	Atoka	120.317	120.495	0.1774	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.004	0.000
Gulf Coast	OK	Atoka	120.891	121.041	0.1500	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.007	0.000
Gulf Coast	OK	Atoka	121.099	121.148	0.0487	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.002	0.000
Gulf Coast	OK	Atoka	121.148	121.313	0.1650	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.157	0.000
Gulf Coast	OK	Atoka	121.313	121.375	0.0618	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.003	0.000
Gulf Coast	OK	Atoka	121.375	121.419	0.0445	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.002	0.000
Gulf Coast	OK	Atoka	121.419	121.550	0.1305	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.007	0.000
Gulf Coast	OK	Atoka	121.651	121.722	0.0708	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.004	0.000
Gulf Coast	OK	Atoka	122.048	122.070	0.0220	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.001	0.000
Gulf Coast	OK	Atoka	122.960	123.046	0.0859	OK005	Bernow-Romia complex, 8 to 12 percent slopes	0.006	0.080
Gulf Coast	OK	Atoka	123.046	123.068	0.0226	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.001	0.000
Gulf Coast	OK	Atoka	123.068	123.106	0.0374	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.002	0.000
Gulf Coast	OK	Atoka	123.106	123.310	0.2043	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.004	0.000
Gulf Coast	OK	Atoka	123.310	123.330	0.0199	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.001	0.000
Gulf Coast	OK	Atoka	123.330	123.430	0.1002	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.005	0.000
Gulf Coast	OK	Atoka	123.430	123.473	0.0429	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.002	0.000
Gulf Coast	OK	Atoka	123.473	123.587	0.1137	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.114
Gulf Coast	OK	Atoka	123.587	123.696	0.1091	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.002	0.000
Gulf Coast	OK	Atoka	123.696	123.786	0.0899	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.004	0.000
Gulf Coast	OK	Atoka	124.028	124.089	0.0618	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.003	0.000

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Gulf Coast	OK	Atoka	124.089	124.120	0.0310	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.001	0.000
Gulf Coast	OK	Atoka	124.120	124.141	0.0203	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.001	0.000
Gulf Coast	OK	Atoka	124.141	124.224	0.0831	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.002	0.000
Gulf Coast	OK	Atoka	124.283	124.333	0.0496	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.050
Gulf Coast	OK	Atoka	124.600	124.709	0.1086	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.109
Gulf Coast	OK	Atoka	124.764	124.836	0.0722	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.004	0.000
Gulf Coast	OK	Atoka	124.836	124.943	0.1067	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.107
Gulf Coast	OK	Atoka	124.943	125.265	0.3222	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.016	0.000
Gulf Coast	OK	Atoka	125.265	125.433	0.1682	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.008	0.000
Gulf Coast	OK	Atoka	125.571	125.662	0.0910	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.002	0.000
Gulf Coast	OK	Atoka	125.662	125.838	0.1761	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.009	0.000
Gulf Coast	OK	Atoka	125.838	125.984	0.1454	OK005	Larue loamy fine sand, 3 to 8 percent slopes	0.131	0.000
Gulf Coast	OK	Atoka	127.332	127.499	0.1671	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.159	0.000
Gulf Coast	OK	Atoka	128.084	128.179	0.0960	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.091	0.000
Gulf Coast	OK	Atoka	128.179	128.204	0.0246	OK005	Bernow-Romia complex, 8 to 12 percent slopes	0.002	0.023
Gulf Coast	OK	Atoka	128.204	128.310	0.1062	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.101	0.000
Gulf Coast	OK	Atoka	128.310	128.460	0.1493	OK005	Larue loamy fine sand, 3 to 8 percent slopes	0.134	0.000
Gulf Coast	OK	Atoka	128.460	128.494	0.0346	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.033	0.000
Gulf Coast	OK	Atoka	128.494	128.542	0.0481	OK005	Larue loamy fine sand, 3 to 8 percent slopes	0.043	0.000
Gulf Coast	OK	Atoka	128.542	128.562	0.0197	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.019	0.000
Gulf Coast	OK	Atoka	128.562	128.797	0.2350	OK005	Larue loamy fine sand, 3 to 8 percent slopes	0.212	0.000
Gulf Coast	OK	Atoka	128.797	128.843	0.0459	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.001	0.000
Gulf Coast	OK	Atoka	128.843	128.882	0.0387	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.002	0.000
Gulf Coast	OK	Atoka	128.882	129.128	0.2461	OK005	Bernow-Romia complex, 8 to 12 percent slopes	0.017	0.229
Gulf Coast	OK	Atoka	129.128	129.222	0.0948	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.090	0.000
Gulf Coast	OK	Atoka	129.534	129.722	0.1879	OK005	Bernow-Romia complex, 8 to 12 percent slopes	0.013	0.175
Gulf Coast	OK	Atoka	129.722	129.746	0.0234	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.000	0.000
Gulf Coast	OK	Atoka	129.746	129.785	0.0395	OK005	Bernow-Romia complex, 8 to 12 percent slopes	0.003	0.037
Gulf Coast	OK	Atoka	129.785	129.831	0.0457	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.001	0.000
Gulf Coast	OK	Atoka	129.831	129.894	0.0636	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.003	0.000
Gulf Coast	OK	Atoka	129.894	129.995	0.1009	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.002	0.000
Gulf Coast	OK	Atoka	129.995	130.003	0.0080	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.000	0.000
Gulf Coast	OK	Atoka	130.003	130.083	0.0795	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.080
Gulf Coast	OK	Atoka	130.175	130.200	0.0244	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.024
Gulf Coast	OK	Atoka	130.232	130.259	0.0270	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.027
Gulf Coast	OK	Atoka	130.412	130.571	0.1585	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.158
Gulf Coast	OK	Atoka	130.665	130.737	0.0712	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.071
Gulf Coast	OK	Atoka	130.737	130.804	0.0676	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.003	0.000
Gulf Coast	OK	Atoka	130.804	130.851	0.0469	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.045	0.000
Gulf Coast	OK	Atoka	131.625	131.735	0.1094	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.109
Gulf Coast	OK	Atoka	132.045	132.283	0.2375	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.000	0.238
Gulf Coast	OK	Bryan	132.889	132.988	0.0983	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.089
Gulf Coast	OK	Bryan	133.029	133.050	0.0208	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.019
Gulf Coast	OK	Bryan	134.234	134.287	0.0532	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.048
Gulf Coast	OK	Bryan	134.346	134.403	0.0571	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.051
Gulf Coast	OK	Bryan	134.985	135.035	0.0498	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.045
Gulf Coast	OK	Bryan	135.047	135.081	0.0340	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.031
Gulf Coast	OK	Bryan	136.223	136.674	0.4508	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.406
Gulf Coast	OK	Bryan	136.734	136.833	0.0986	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.089
Gulf Coast	OK	Bryan	136.940	136.973	0.0327	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.029
Gulf Coast	OK	Bryan	137.197	137.328	0.1309	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.118
Gulf Coast	OK	Bryan	137.451	137.679	0.2284	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.206
Gulf Coast	OK	Bryan	137.772	137.859	0.0862	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.078
Gulf Coast	OK	Bryan	137.949	138.072	0.1231	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.111
Gulf Coast	OK	Bryan	138.457	138.585	0.1285	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.116
Gulf Coast	OK	Bryan	138.765	138.941	0.1761	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.158
Gulf Coast	OK	Bryan	138.963	139.060	0.0969	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.087
Gulf Coast	OK	Bryan	139.312	139.377	0.0646	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.058
Gulf Coast	OK	Bryan	139.646	139.697	0.0512	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.046
Gulf Coast	OK	Bryan	139.875	139.910	0.0347	OK013	Bernow-Romia complex, 8 to 20 percent slopes	0.042	0.035
Gulf Coast	OK	Bryan	139.910	140.042	0.1325	OK013	Bernow-Romia complex, 3 to 8 percent slopes	0.126	0.000
Gulf Coast	OK	Bryan	140.042	140.120	0.0781	OK013	Larue loamy fine sand, 0 to 3 percent slopes	0.066	0.000
Gulf Coast	OK	Bryan	140.722	140.850	0.1279	OK013	Bosville fine sandy loam, 5 to 8 percent slopes	0.006	0.000
Gulf Coast	OK	Bryan	142.272	142.712	0.4400	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.396
Gulf Coast	OK	Bryan	143.657	143.736	0.0786	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.071
Gulf Coast	OK	Bryan	143.921	144.011	0.0897	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.000	0.081
Gulf Coast	OK	Bryan	144.575	144.593	0.0179	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.000	0.018
Gulf Coast	OK	Bryan	144.689	144.765	0.0762	OK013	Bernow-Romia complex, 3 to 8 percent slopes	0.072	0.000
Gulf Coast	OK	Bryan	145.476	145.630	0.1545	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.000	0.155
Gulf Coast	OK	Bryan	145.630	145.689	0.0583	OK013	Bernow-Romia complex, 3 to 8 percent slopes	0.055	0.000
Gulf Coast	OK	Bryan	145.689	145.774	0.0852	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.000	0.085
Gulf Coast	OK	Bryan	145.774	145.833	0.0589	OK013	Bernow-Romia complex, 3 to 8 percent slopes	0.056	0.000
Gulf Coast	OK	Bryan	145.865	145.953	0.0889	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.000	0.089
Gulf Coast	OK	Bryan	145.953	146.133	0.1798	OK013	Bernow loamy fine sand, 3 to 8 percent slopes	0.180	0.000
Gulf Coast	OK	Bryan	153.373	153.450	0.0772	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.000	0.077
Gulf Coast	OK	Bryan	153.638	153.680	0.0423	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.000	0.042
Gulf Coast	OK	Bryan	153.979	154.117	0.1378	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.000	0.138
Gulf Coast	OK	Bryan	154.265	154.304	0.0399	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.000	0.040

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Gulf Coast	OK	Bryan	154.467	154.487	0.0200	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.000	0.020
Gulf Coast	TX	Fannin	155.556	155.815	0.2593	TX147	Oklared-Kiomatia complex, occasionally flooded	0.091	0.000
Gulf Coast	TX	Fannin	160.491	160.688	0.1973	TX147	Karma loam, 5 to 12 percent slopes, eroded	0.000	0.197
Gulf Coast	TX	Fannin	160.862	160.927	0.0644	TX147	Karma loam, 5 to 12 percent slopes, eroded	0.000	0.064
Gulf Coast	TX	Delta/Lamar	161.639	161.702	0.0630	TX614	Whakana fine sandy loam, 5 to 12 percent slopes	0.000	0.060
Gulf Coast	TX	Delta/Lamar	162.454	162.918	0.4645	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.000	0.395
Gulf Coast	TX	Delta/Lamar	162.961	163.601	0.6403	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.000	0.544
Gulf Coast	TX	Delta/Lamar	164.052	164.475	0.4223	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.000	0.359
Gulf Coast	TX	Delta/Lamar	164.588	164.619	0.0308	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.000	0.026
Gulf Coast	TX	Delta/Lamar	164.850	164.881	0.0311	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.000	0.026
Gulf Coast	TX	Delta/Lamar	164.993	165.079	0.0861	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.000	0.073
Gulf Coast	TX	Delta/Lamar	165.121	165.658	0.5368	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.000	0.456
Gulf Coast	TX	Delta/Lamar	165.855	166.017	0.1620	TX614	Woodtell loam, 5 to 12 percent slopes	0.000	0.154
Gulf Coast	TX	Delta/Lamar	166.318	166.558	0.2399	TX614	Woodtell loam, 5 to 12 percent slopes	0.000	0.228
Gulf Coast	TX	Delta/Lamar	168.376	168.585	0.2094	TX614	Woodtell loam, 5 to 12 percent slopes	0.000	0.199
Gulf Coast	TX	Delta/Lamar	168.681	168.799	0.1173	TX614	Woodtell loam, 5 to 12 percent slopes	0.000	0.111
Gulf Coast	TX	Delta/Lamar	169.136	169.303	0.1669	TX614	Woodtell loam, 5 to 12 percent slopes	0.000	0.159
Gulf Coast	TX	Delta/Lamar	172.986	173.051	0.0654	TX614	Woodtell loam, 5 to 12 percent slopes	0.000	0.062
Gulf Coast	TX	Delta/Lamar	183.486	183.904	0.4182	TX614	Ferris clay, 5 to 12 percent slopes, eroded	0.000	0.397
Gulf Coast	TX	Delta/Lamar	184.021	184.431	0.4097	TX614	Ferris clay, 5 to 12 percent slopes, eroded	0.000	0.389
Gulf Coast	TX	Delta/Lamar	184.590	184.668	0.0777	TX614	Ferris clay, 5 to 12 percent slopes, eroded	0.000	0.074
Gulf Coast	TX	Delta/Lamar	184.780	185.417	0.6367	TX614	Ferris clay, 5 to 12 percent slopes, eroded	0.000	0.605
Gulf Coast	TX	Delta/Lamar	191.607	191.734	0.1267	TX614	Ferris clay, 5 to 12 percent slopes, eroded	0.000	0.120
Gulf Coast	TX	Delta/Lamar	191.831	191.904	0.0727	TX614	Ferris clay, 5 to 12 percent slopes, eroded	0.000	0.069
Gulf Coast	TX	Delta/Lamar	199.274	199.295	0.0210	TX614	Woodtell loam, 5 to 12 percent slopes	0.000	0.020
Gulf Coast	TX	Delta/Lamar	200.647	200.704	0.0571	TX614	Woodtell loam, 5 to 12 percent slopes	0.000	0.054
Gulf Coast	TX	Delta/Lamar	200.838	200.942	0.1037	TX614	Woodtell loam, 5 to 12 percent slopes	0.000	0.099
Gulf Coast	TX	Hopkins	202.885	202.989	0.1041	TX610	Bazette clay loam, 5 to 12 percent slopes	0.000	0.094
Gulf Coast	TX	Hopkins	203.267	203.302	0.0353	TX610	Bazette clay loam, 5 to 12 percent slopes	0.000	0.032
Gulf Coast	TX	Hopkins	203.393	203.450	0.0576	TX610	Bazette clay loam, 5 to 12 percent slopes	0.000	0.052
Gulf Coast	TX	Hopkins	203.522	203.651	0.1295	TX610	Bazette clay loam, 5 to 12 percent slopes	0.000	0.117
Gulf Coast	TX	Hopkins	203.758	203.962	0.2043	TX610	Bazette clay loam, 5 to 12 percent slopes	0.000	0.184
Gulf Coast	TX	Hopkins	206.287	206.554	0.2668	TX610	Bazette clay loam, 5 to 12 percent slopes	0.000	0.240
Gulf Coast	TX	Hopkins	211.300	211.451	0.1518	TX610	Woodtell loam, 5 to 12 percent slopes	0.000	0.137
Gulf Coast	TX	Hopkins	211.844	211.928	0.0838	TX610	Woodtell loam, 5 to 12 percent slopes	0.000	0.075
Gulf Coast	TX	Hopkins	212.018	212.110	0.0925	TX610	Woodtell loam, 5 to 12 percent slopes	0.000	0.083
Gulf Coast	TX	Hopkins	213.500	213.628	0.1282	TX610	Woodtell loam, 5 to 12 percent slopes	0.000	0.115
Gulf Coast	TX	Hopkins	217.872	217.950	0.0774	TX610	Woodtell loam, 5 to 12 percent slopes	0.000	0.070
Gulf Coast	TX	Hopkins	217.950	218.100	0.1499	TX610	Wolfpen loamy fine sand, 1 to 5 percent slopes	0.150	0.000
Gulf Coast	TX	Hopkins	218.139	218.194	0.0556	TX610	Woodtell loam, 5 to 12 percent slopes	0.000	0.050
Gulf Coast	TX	Hopkins	218.194	218.276	0.0815	TX610	Wolfpen loamy fine sand, 1 to 5 percent slopes	0.082	0.000
Gulf Coast	TX	Hopkins	218.276	218.352	0.0760	TX610	Woodtell loam, 5 to 12 percent slopes	0.000	0.068
Gulf Coast	TX	Hopkins	219.906	220.202	0.2959	TX610	Wolfpen loamy fine sand, 1 to 5 percent slopes	0.296	0.000
Gulf Coast	TX	Hopkins	220.462	220.516	0.0538	TX610	Woodtell loam, 5 to 12 percent slopes	0.000	0.048
Gulf Coast	TX	Hopkins	221.790	221.858	0.0679	TX610	Wolfpen loamy fine sand, 1 to 5 percent slopes	0.068	0.000
Gulf Coast	TX	Hopkins	221.925	222.008	0.0836	TX610	Wolfpen loamy fine sand, 1 to 5 percent slopes	0.084	0.000
Gulf Coast	TX	Hopkins	222.008	222.055	0.0465	TX610	Woodtell loam, 5 to 12 percent slopes	0.000	0.042
Gulf Coast	TX	Franklin	222.148	222.292	0.1438	TX603	Woodtell fine sandy loam, 5 to 20 percent slopes	0.000	0.122
Gulf Coast	TX	Franklin	222.497	222.504	0.0079	TX603	Wolfpen loamy fine sand, 2 to 5 percent slopes	0.007	0.000
Gulf Coast	TX	Franklin	222.563	222.702	0.1392	TX603	Pickton fine sand, 2 to 5 percent slopes	0.111	0.000
Gulf Coast	TX	Franklin	222.702	222.853	0.1511	TX603	Wolfpen loamy fine sand, 2 to 5 percent slopes	0.136	0.000
Gulf Coast	TX	Franklin	222.924	223.118	0.1938	TX603	Wolfpen loamy fine sand, 2 to 5 percent slopes	0.174	0.000
Gulf Coast	TX	Franklin	224.481	224.820	0.3396	TX603	Woodtell fine sandy loam, 5 to 20 percent slopes	0.000	0.289
Gulf Coast	TX	Franklin	224.820	224.940	0.1191	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.101
Gulf Coast	TX	Franklin	225.254	225.384	0.1305	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.111
Gulf Coast	TX	Franklin	225.464	225.513	0.0493	TX603	Pickton fine sand, 8 to 15 percent slopes	0.044	0.000
Gulf Coast	TX	Franklin	225.513	225.778	0.2652	TX603	Pickton fine sand, 2 to 5 percent slopes	0.212	0.000
Gulf Coast	TX	Franklin	225.778	225.869	0.0908	TX603	Pickton fine sand, 8 to 15 percent slopes	0.082	0.000
Gulf Coast	TX	Franklin	225.869	226.035	0.1661	TX603	Wolfpen loamy fine sand, 2 to 5 percent slopes	0.149	0.000
Gulf Coast	TX	Franklin	226.338	226.503	0.1644	TX603	Woodtell fine sandy loam, 5 to 20 percent slopes	0.000	0.140
Gulf Coast	TX	Franklin	226.826	227.141	0.3152	TX603	Woodtell fine sandy loam, 5 to 20 percent slopes	0.000	0.268
Gulf Coast	TX	Franklin	227.656	227.705	0.0489	TX603	Duffern fine sand, 8 to 15 percent slopes	0.042	0.000
Gulf Coast	TX	Franklin	227.705	227.899	0.1939	TX603	Duffern fine sand, 2 to 5 percent slopes	0.145	0.000
Gulf Coast	TX	Franklin	227.899	228.149	0.2505	TX603	Duffern fine sand, 8 to 15 percent slopes	0.213	0.000
Gulf Coast	TX	Franklin	228.149	228.193	0.0436	TX603	Darco loamy fine sand, 2 to 5 percent slopes	0.035	0.000
Gulf Coast	TX	Franklin	228.292	228.462	0.1700	TX603	Duffern fine sand, 8 to 15 percent slopes	0.145	0.000
Gulf Coast	TX	Franklin	228.462	228.841	0.3793	TX603	Darco loamy fine sand, 2 to 5 percent slopes	0.303	0.000
Gulf Coast	TX	Franklin	228.841	229.114	0.2733	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.232
Gulf Coast	TX	Franklin	229.189	229.731	0.5422	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.461
Gulf Coast	TX	Franklin	229.974	230.156	0.1823	TX603	Lilbert loamy fine sand, 2 to 5 percent slopes	0.146	0.000
Gulf Coast	TX	Franklin	230.156	230.223	0.0672	TX603	Duffern fine sand, 8 to 15 percent slopes	0.057	0.000
Gulf Coast	TX	Franklin	230.223	230.478	0.2546	TX603	Darco loamy fine sand, 2 to 5 percent slopes	0.204	0.000
Gulf Coast	TX	Franklin	230.478	230.540	0.0624	TX603	Lilbert loamy fine sand, 2 to 5 percent slopes	0.050	0.000
Gulf Coast	TX	Franklin	230.540	230.637	0.0974	TX603	Briley loamy fine sand, 2 to 5 percent slopes	0.083	0.000
Gulf Coast	TX	Franklin	230.784	230.902	0.1187	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.101
Gulf Coast	TX	Franklin	231.267	231.495	0.2288	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.194
Gulf Coast	TX	Franklin	231.664	231.953	0.2888	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.245
Gulf Coast	TX	Franklin	232.153	232.287	0.1338	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.114

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Gulf Coast	TX	Franklin	232.363	232.420	0.0565	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.048
Gulf Coast	TX	Franklin	232.469	232.511	0.0412	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.035
Gulf Coast	TX	Wood	233.164	233.191	0.0266	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.021
Gulf Coast	TX	Wood	233.641	233.922	0.2810	TX499	Cuthbert gravelly fine sandy loam, 8 to 25 percent slopes	0.000	0.225
Gulf Coast	TX	Wood	233.994	234.062	0.0680	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.054
Gulf Coast	TX	Wood	234.390	234.500	0.1101	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.088
Gulf Coast	TX	Wood	234.766	234.860	0.0934	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.075
Gulf Coast	TX	Wood	234.953	235.051	0.0979	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.078
Gulf Coast	TX	Wood	235.051	235.151	0.1006	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.080	0.000
Gulf Coast	TX	Wood	235.151	235.210	0.0593	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.047
Gulf Coast	TX	Wood	235.210	235.265	0.0550	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.044	0.000
Gulf Coast	TX	Wood	235.265	235.327	0.0616	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.049
Gulf Coast	TX	Wood	235.327	235.674	0.3466	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.277	0.000
Gulf Coast	TX	Wood	235.674	235.884	0.2100	TX499	Darco fine sand, 2 to 5 percent slopes	0.168	0.000
Gulf Coast	TX	Wood	235.884	235.954	0.0701	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.056	0.000
Gulf Coast	TX	Wood	235.954	236.051	0.0974	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.078
Gulf Coast	TX	Wood	236.109	236.173	0.0647	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.052
Gulf Coast	TX	Wood	236.173	236.246	0.0726	TX499	Tenaha loamy fine sand, 8 to 20 percent slopes	0.058	0.058
Gulf Coast	TX	Wood	236.246	236.316	0.0706	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.056	0.000
Gulf Coast	TX	Wood	236.316	236.447	0.1310	TX499	Tenaha loamy fine sand, 8 to 20 percent slopes	0.105	0.105
Gulf Coast	TX	Wood	236.447	236.625	0.1780	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.142	0.000
Gulf Coast	TX	Wood	236.700	236.835	0.1348	TX499	Cuthbert gravelly fine sandy loam, 8 to 25 percent slopes	0.000	0.108
Gulf Coast	TX	Wood	236.835	237.302	0.4672	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.374	0.000
Gulf Coast	TX	Wood	237.360	237.436	0.0764	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.061	0.000
Gulf Coast	TX	Wood	237.436	237.649	0.2130	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.170
Gulf Coast	TX	Wood	237.780	237.945	0.1656	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.132
Gulf Coast	TX	Wood	237.945	238.601	0.6557	TX499	Darco fine sand, 2 to 5 percent slopes	0.525	0.000
Gulf Coast	TX	Wood	238.601	238.882	0.2812	TX499	Tenaha loamy fine sand, 8 to 20 percent slopes	0.225	0.225
Gulf Coast	TX	Wood	238.882	239.013	0.1308	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.105
Gulf Coast	TX	Wood	239.064	239.125	0.0612	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.049
Gulf Coast	TX	Wood	239.125	239.553	0.4278	TX499	Darco fine sand, 2 to 5 percent slopes	0.342	0.000
Gulf Coast	TX	Wood	239.553	239.624	0.0705	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.056	0.000
Gulf Coast	TX	Wood	239.624	239.690	0.0665	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.053
Gulf Coast	TX	Wood	239.690	239.900	0.2099	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.168	0.000
Gulf Coast	TX	Wood	239.900	240.009	0.1087	TX499	Darco fine sand, 2 to 5 percent slopes	0.087	0.000
Gulf Coast	TX	Wood	240.009	240.130	0.1214	TX499	Darco fine sand, 8 to 15 percent slopes	0.097	0.000
Gulf Coast	TX	Wood	240.130	240.592	0.4616	TX499	Darco fine sand, 2 to 5 percent slopes	0.369	0.000
Gulf Coast	TX	Wood	240.592	240.800	0.2085	TX499	Darco fine sand, 8 to 15 percent slopes	0.167	0.000
Gulf Coast	TX	Wood	241.224	241.538	0.3143	TX499	Darco fine sand, 8 to 15 percent slopes	0.251	0.000
Gulf Coast	TX	Wood	241.616	241.670	0.0539	TX499	Darco fine sand, 8 to 15 percent slopes	0.043	0.000
Gulf Coast	TX	Wood	241.670	241.835	0.1653	TX499	Duffern sand, 1 to 5 percent slopes	0.132	0.000
Gulf Coast	TX	Wood	241.835	242.010	0.1755	TX499	Darco fine sand, 8 to 15 percent slopes	0.140	0.000
Gulf Coast	TX	Wood	242.069	242.118	0.0497	TX499	Darco fine sand, 8 to 15 percent slopes	0.040	0.000
Gulf Coast	TX	Wood	242.118	242.284	0.1654	TX499	Darco fine sand, 2 to 5 percent slopes	0.132	0.000
Gulf Coast	TX	Wood	242.284	242.298	0.0141	TX499	Darco fine sand, 8 to 15 percent slopes	0.011	0.000
Gulf Coast	TX	Wood	242.298	242.648	0.3504	TX499	Darco fine sand, 2 to 5 percent slopes	0.280	0.000
Gulf Coast	TX	Wood	242.648	242.658	0.0095	TX499	Darco fine sand, 8 to 15 percent slopes	0.008	0.000
Gulf Coast	TX	Wood	242.658	243.045	0.3873	TX499	Darco fine sand, 2 to 5 percent slopes	0.310	0.000
Gulf Coast	TX	Wood	243.045	243.204	0.1587	TX499	Darco fine sand, 8 to 15 percent slopes	0.127	0.000
Gulf Coast	TX	Wood	243.273	243.339	0.0657	TX499	Darco fine sand, 8 to 15 percent slopes	0.053	0.000
Gulf Coast	TX	Wood	243.339	243.567	0.2283	TX499	Duffern sand, 1 to 5 percent slopes	0.183	0.000
Gulf Coast	TX	Wood	243.567	244.042	0.4751	TX499	Darco fine sand, 2 to 5 percent slopes	0.380	0.000
Gulf Coast	TX	Wood	244.042	244.184	0.1418	TX499	Darco fine sand, 8 to 15 percent slopes	0.113	0.000
Gulf Coast	TX	Wood	244.244	244.381	0.1378	TX499	Darco fine sand, 8 to 15 percent slopes	0.110	0.000
Gulf Coast	TX	Wood	244.381	244.655	0.2738	TX499	Duffern sand, 1 to 5 percent slopes	0.219	0.000
Gulf Coast	TX	Wood	244.655	245.129	0.4735	TX499	Darco fine sand, 8 to 15 percent slopes	0.379	0.000
Gulf Coast	TX	Wood	245.129	245.622	0.4931	TX499	Duffern sand, 1 to 5 percent slopes	0.394	0.000
Gulf Coast	TX	Wood	245.622	246.021	0.3990	TX499	Darco fine sand, 8 to 15 percent slopes	0.319	0.000
Gulf Coast	TX	Wood	246.021	246.665	0.6441	TX499	Darco fine sand, 2 to 5 percent slopes	0.515	0.000
Gulf Coast	TX	Wood	246.665	246.730	0.0651	TX499	Duffern sand, 1 to 5 percent slopes	0.052	0.000
Gulf Coast	TX	Wood	246.730	246.927	0.1973	TX499	Darco fine sand, 8 to 15 percent slopes	0.158	0.000
Gulf Coast	TX	Wood	246.927	247.246	0.3186	TX499	Duffern sand, 1 to 5 percent slopes	0.255	0.000
Gulf Coast	TX	Wood	247.246	247.428	0.1818	TX499	Darco fine sand, 8 to 15 percent slopes	0.145	0.000
Gulf Coast	TX	Wood	247.428	247.862	0.4344	TX499	Darco fine sand, 2 to 5 percent slopes	0.348	0.000
Gulf Coast	TX	Wood	247.862	247.906	0.0437	TX499	Darco fine sand, 8 to 15 percent slopes	0.035	0.000
Gulf Coast	TX	Wood	247.946	248.040	0.0937	TX499	Darco fine sand, 8 to 15 percent slopes	0.075	0.000
Gulf Coast	TX	Wood	248.040	248.223	0.1835	TX499	Darco fine sand, 2 to 5 percent slopes	0.147	0.000
Gulf Coast	TX	Wood	248.223	248.305	0.0817	TX499	Darco fine sand, 8 to 15 percent slopes	0.065	0.000
Gulf Coast	TX	Wood	248.305	248.570	0.2654	TX499	Darco fine sand, 2 to 5 percent slopes	0.212	0.000
Gulf Coast	TX	Wood	248.570	248.706	0.1360	TX499	Darco fine sand, 8 to 15 percent slopes	0.109	0.000
Gulf Coast	TX	Wood	248.706	248.977	0.2704	TX499	Darco fine sand, 2 to 5 percent slopes	0.216	0.000
Gulf Coast	TX	Wood	248.977	249.070	0.0934	TX499	Darco fine sand, 8 to 15 percent slopes	0.075	0.000
Gulf Coast	TX	Wood	249.070	249.219	0.1485	TX499	Darco fine sand, 2 to 5 percent slopes	0.119	0.000
Gulf Coast	TX	Wood	249.219	249.272	0.0532	TX499	Darco fine sand, 8 to 15 percent slopes	0.043	0.000
Gulf Coast	TX	Wood	249.371	249.435	0.0639	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.051
Gulf Coast	TX	Wood	249.516	249.587	0.0717	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.057
Gulf Coast	TX	Wood	249.629	249.683	0.0543	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.043
Gulf Coast	TX	Wood	249.945	250.474	0.5290	TX499	Darco fine sand, 8 to 15 percent slopes	0.423	0.000

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Gulf Coast	TX	Wood	250.474	250.592	0.1181	TX499	Duffern sand, 1 to 5 percent slopes	0.094	0.000
Gulf Coast	TX	Wood	250.592	250.993	0.4003	TX499	Darco fine sand, 2 to 5 percent slopes	0.320	0.000
Gulf Coast	TX	Wood	250.993	251.049	0.0563	TX499	Darco fine sand, 8 to 15 percent slopes	0.045	0.000
Gulf Coast	TX	Wood	251.049	251.195	0.1456	TX499	Darco fine sand, 2 to 5 percent slopes	0.116	0.000
Gulf Coast	TX	Wood	251.195	251.399	0.2040	TX499	Darco fine sand, 8 to 15 percent slopes	0.163	0.000
Gulf Coast	TX	Wood	251.399	251.527	0.1287	TX499	Duffern sand, 1 to 5 percent slopes	0.103	0.000
Gulf Coast	TX	Wood	251.527	251.917	0.3896	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.312	0.000
Gulf Coast	TX	Wood	251.917	252.143	0.2257	TX499	Tenaha loamy fine sand, 8 to 20 percent slopes	0.181	0.181
Gulf Coast	TX	Wood	252.143	252.188	0.0458	TX499	Redsprings very gravelly fine sandy loam, 8 to 25 percent slopes	0.000	0.037
Gulf Coast	TX	Wood	252.291	252.538	0.2462	TX499	Darco fine sand, 8 to 15 percent slopes	0.197	0.000
Gulf Coast	TX	Wood	252.538	253.458	0.9203	TX499	Duffern sand, 1 to 5 percent slopes	0.736	0.000
Gulf Coast	TX	Wood	253.458	253.640	0.1820	TX499	Darco fine sand, 2 to 5 percent slopes	0.146	0.000
Gulf Coast	TX	Wood	253.640	253.691	0.0507	TX499	Darco fine sand, 8 to 15 percent slopes	0.041	0.000
Gulf Coast	TX	Wood	253.691	253.769	0.0786	TX499	Darco fine sand, 2 to 5 percent slopes	0.063	0.000
Gulf Coast	TX	Wood	253.769	253.875	0.1058	TX499	Darco fine sand, 8 to 15 percent slopes	0.085	0.000
Gulf Coast	TX	Wood	253.875	253.974	0.0994	TX499	Darco fine sand, 2 to 5 percent slopes	0.080	0.000
Gulf Coast	TX	Wood	253.974	254.146	0.1712	TX499	Darco fine sand, 8 to 15 percent slopes	0.137	0.000
Gulf Coast	TX	Wood	254.146	254.291	0.1454	TX499	Darco fine sand, 2 to 5 percent slopes	0.116	0.000
Gulf Coast	TX	Wood	254.291	254.528	0.2366	TX499	Darco fine sand, 8 to 15 percent slopes	0.189	0.000
Gulf Coast	TX	Wood	254.528	255.185	0.6571	TX499	Darco fine sand, 2 to 5 percent slopes	0.526	0.000
Gulf Coast	TX	Wood	255.185	255.287	0.1019	TX499	Darco fine sand, 8 to 15 percent slopes	0.081	0.000
Gulf Coast	TX	Wood	255.287	255.393	0.1064	TX499	Darco fine sand, 2 to 5 percent slopes	0.085	0.000
Gulf Coast	TX	Wood	255.393	255.504	0.1112	TX499	Darco fine sand, 8 to 15 percent slopes	0.089	0.000
Gulf Coast	TX	Wood	255.504	255.743	0.2390	TX499	Darco fine sand, 2 to 5 percent slopes	0.191	0.000
Gulf Coast	TX	Upshur	255.743	255.821	0.0776	TX608	Darco fine sand, 2 to 5 percent slopes	0.062	0.000
Gulf Coast	TX	Upshur	255.821	255.980	0.1588	TX608	Darco fine sand, 8 to 15 percent slopes	0.127	0.000
Gulf Coast	TX	Upshur	256.223	256.347	0.1239	TX608	Bienville loamy fine sand, 0 to 3 percent slopes	0.099	0.000
Gulf Coast	TX	Wood	256.347	256.358	0.0113	TX499	Hainesville loamy fine sand, 0 to 2 percent slopes	0.009	0.000
Gulf Coast	TX	Wood	256.965	257.133	0.1688	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.135	0.000
Gulf Coast	TX	Upshur	257.513	257.600	0.0869	TX608	Sacul fine sandy loam, 5 to 12 percent slopes	0.000	0.070
Gulf Coast	TX	Upshur	257.600	257.763	0.1634	TX608	Briley loamy fine sand, 2 to 5 percent slopes	0.139	0.000
Gulf Coast	TX	Upshur	259.103	259.155	0.0521	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.042
Gulf Coast	TX	Upshur	259.155	259.276	0.1207	TX608	Darco fine sand, 8 to 15 percent slopes	0.097	0.000
Gulf Coast	TX	Upshur	259.276	259.283	0.0078	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.006
Gulf Coast	TX	Upshur	259.465	259.590	0.1259	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.101
Gulf Coast	TX	Upshur	259.647	259.699	0.0512	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.041
Gulf Coast	TX	Upshur	259.927	260.106	0.1794	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.144
Gulf Coast	TX	Upshur	260.207	260.378	0.1711	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.000	0.137
Gulf Coast	TX	Upshur	260.378	260.404	0.0257	TX608	Sacul fine sandy loam, 5 to 12 percent slopes	0.000	0.021
Gulf Coast	TX	Upshur	260.461	260.493	0.0326	TX608	Sacul fine sandy loam, 5 to 12 percent slopes	0.000	0.026
Gulf Coast	TX	Upshur	260.493	260.733	0.2397	TX608	Tenaha loamy fine sand, 8 to 20 percent slopes	0.204	0.204
Gulf Coast	TX	Upshur	260.733	260.895	0.1618	TX608	Sacul fine sandy loam, 5 to 12 percent slopes	0.000	0.129
Gulf Coast	TX	Upshur	261.030	261.179	0.1494	TX608	Sacul fine sandy loam, 5 to 12 percent slopes	0.000	0.120
Gulf Coast	TX	Upshur	261.440	261.492	0.0517	TX608	Sacul fine sandy loam, 5 to 12 percent slopes	0.000	0.041
Gulf Coast	TX	Upshur	261.552	261.618	0.0659	TX608	Latch-Mollville complex, 0 to 1 percent slopes	0.033	0.000
Gulf Coast	TX	Upshur	261.655	261.738	0.0831	TX608	Latch-Mollville complex, 0 to 1 percent slopes	0.042	0.000
Gulf Coast	TX	Smith	262.779	262.971	0.1925	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.154
Gulf Coast	TX	Smith	263.309	263.334	0.0251	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.020
Gulf Coast	TX	Smith	264.163	264.255	0.0922	TX423	Redsprings very gravelly sandy loam, 8 to 25 percent sl opes	0.000	0.078
Gulf Coast	TX	Smith	264.292	264.308	0.0155	TX423	Redsprings very gravelly sandy loam, 8 to 25 percent sl opes	0.000	0.013
Gulf Coast	TX	Smith	264.343	264.455	0.1117	TX423	Redsprings very gravelly sandy loam, 8 to 25 percent sl opes	0.000	0.095
Gulf Coast	TX	Smith	264.865	265.187	0.3226	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	0.000	0.258
Gulf Coast	TX	Smith	265.187	265.303	0.1162	TX423	Redsprings very gravelly sandy loam, 8 to 25 percent sl opes	0.000	0.099
Gulf Coast	TX	Smith	265.303	265.343	0.0399	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	0.000	0.032
Gulf Coast	TX	Smith	266.111	266.201	0.0898	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.072
Gulf Coast	TX	Smith	266.616	266.794	0.1784	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.143
Gulf Coast	TX	Smith	267.109	267.169	0.0604	TX423	Owentown loamy fine sand, occasionally flooded	0.048	0.000
Gulf Coast	TX	Smith	267.169	267.208	0.0384	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.031
Gulf Coast	TX	Smith	267.603	267.723	0.1206	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.097
Gulf Coast	TX	Smith	268.017	268.274	0.2562	TX423	Owentown loamy fine sand, occasionally flooded	0.205	0.000
Gulf Coast	TX	Smith	268.274	268.488	0.2145	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.172
Gulf Coast	TX	Smith	268.560	268.703	0.1422	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.114
Gulf Coast	TX	Smith	268.941	269.100	0.1585	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.127
Gulf Coast	TX	Smith	269.335	269.413	0.0781	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.062
Gulf Coast	TX	Smith	269.413	269.481	0.0681	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.054	0.000
Gulf Coast	TX	Smith	269.481	269.575	0.0935	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.075
Gulf Coast	TX	Smith	269.575	269.615	0.0405	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.032	0.032
Gulf Coast	TX	Smith	269.615	269.659	0.0435	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.035	0.000
Gulf Coast	TX	Smith	269.659	269.815	0.1564	TX423	Darco loamy fine sand, 8 to 15 percent slopes	0.125	0.000
Gulf Coast	TX	Smith	270.075	270.141	0.0665	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.053
Gulf Coast	TX	Smith	270.141	270.343	0.2018	TX423	Darco loamy fine sand, 8 to 15 percent slopes	0.161	0.000
Gulf Coast	TX	Smith	270.343	270.515	0.1720	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.138
Gulf Coast	TX	Smith	270.866	270.927	0.0604	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.048	0.000
Gulf Coast	TX	Smith	271.325	271.375	0.0493	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.039
Gulf Coast	TX	Smith	271.479	271.580	0.1013	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.081	0.000
Gulf Coast	TX	Smith	271.990	272.209	0.2190	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.175	0.000
Gulf Coast	TX	Smith	272.312	272.328	0.0153	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.012	0.012
Gulf Coast	TX	Smith	272.328	272.624	0.2960	TX423	Darco loamy fine sand, 1 to 6 percent slopes	0.237	0.000

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Gulf Coast	TX	Smith	272.624	272.688	0.0644	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.051	0.000
Gulf Coast	TX	Smith	272.688	272.829	0.1407	TX423	Owentown loamy fine sand, occasionally flooded	0.113	0.000
Gulf Coast	TX	Smith	273.412	274.276	0.8641	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.691	0.000
Gulf Coast	TX	Smith	274.431	274.582	0.1516	TX423	Darco loamy fine sand, 1 to 6 percent slopes	0.121	0.000
Gulf Coast	TX	Smith	274.599	274.684	0.0854	TX423	Darco loamy fine sand, 1 to 6 percent slopes	0.068	0.000
Gulf Coast	TX	Smith	274.765	274.788	0.0224	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.018	0.000
Gulf Coast	TX	Smith	274.788	274.932	0.1438	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.115
Gulf Coast	TX	Smith	274.932	275.530	0.5986	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.479	0.000
Gulf Coast	TX	Smith	275.530	275.754	0.2235	TX423	Darco loamy fine sand, 1 to 6 percent slopes	0.179	0.000
Gulf Coast	TX	Smith	275.754	276.080	0.3263	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.261	0.000
Gulf Coast	TX	Smith	276.238	276.478	0.2407	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.193	0.000
Gulf Coast	TX	Smith	276.530	276.822	0.2910	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.233	0.000
Gulf Coast	TX	Smith	276.933	277.476	0.5423	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.434	0.000
Gulf Coast	TX	Smith	277.660	277.868	0.2078	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.166	0.000
Gulf Coast	TX	Smith	278.036	278.789	0.7529	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.602	0.000
Gulf Coast	TX	Smith	278.789	278.843	0.0533	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.043
Gulf Coast	TX	Smith	278.843	279.145	0.3025	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.242	0.000
Gulf Coast	TX	Smith	279.199	279.358	0.1580	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.126
Gulf Coast	TX	Smith	279.454	279.519	0.0650	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.052	0.000
Gulf Coast	TX	Smith	279.769	279.817	0.0478	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.038	0.000
Gulf Coast	TX	Smith	279.871	280.019	0.1486	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.119	0.000
Gulf Coast	TX	Smith	280.019	280.237	0.2175	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.174
Gulf Coast	TX	Smith	280.371	280.764	0.3932	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.315	0.000
Gulf Coast	TX	Smith	280.764	280.880	0.1160	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.093	0.093
Gulf Coast	TX	Smith	280.880	281.026	0.1464	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.117	0.000
Gulf Coast	TX	Smith	281.026	281.054	0.0279	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.022	0.022
Gulf Coast	TX	Smith	281.143	282.023	0.8800	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.704	0.000
Gulf Coast	TX	Smith	282.023	282.089	0.0658	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.053
Gulf Coast	TX	Smith	282.118	282.136	0.0179	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.014
Gulf Coast	TX	Smith	282.171	282.227	0.0561	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.045
Gulf Coast	TX	Smith	282.740	282.818	0.0781	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	0.000	0.062
Gulf Coast	TX	Smith	283.526	283.728	0.2024	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.162	0.000
Gulf Coast	TX	Smith	283.744	283.788	0.0436	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	0.000	0.035
Gulf Coast	TX	Smith	283.860	283.901	0.0413	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.033	0.033
Gulf Coast	TX	Smith	283.901	284.113	0.2121	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.170	0.000
Gulf Coast	TX	Smith	284.337	285.779	1.4414	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	1.153	0.000
Gulf Coast	TX	Smith	285.779	285.813	0.0338	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.027	0.027
Gulf Coast	TX	Smith	285.876	285.958	0.0825	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.066	0.066
Gulf Coast	TX	Smith	286.228	286.243	0.0143	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.011	0.000
Gulf Coast	TX	Smith	286.361	286.462	0.1007	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.081	0.000
Gulf Coast	TX	Smith	286.602	286.784	0.1821	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	0.000	0.146
Gulf Coast	TX	Smith	286.823	287.041	0.2176	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.174
Gulf Coast	TX	Smith	287.041	287.120	0.0788	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.063	0.000
Gulf Coast	TX	Smith	287.597	287.777	0.1792	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.143	0.143
Gulf Coast	TX	Smith	287.777	287.864	0.0876	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.070	0.000
Gulf Coast	TX	Smith	288.637	288.677	0.0397	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.032
Gulf Coast	TX	Smith	288.780	288.783	0.0031	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.002
Gulf Coast	TX	Smith	288.822	288.876	0.0539	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.043
Gulf Coast	TX	Smith	288.940	289.212	0.2718	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.217
Gulf Coast	TX	Smith	289.326	289.518	0.1912	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.153
Gulf Coast	TX	Smith	289.576	289.789	0.2131	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.170
Gulf Coast	TX	Smith	290.127	290.202	0.0754	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.060
Gulf Coast	TX	Smith	290.310	290.392	0.0826	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.066
Gulf Coast	TX	Smith	290.435	290.494	0.0596	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.048
Gulf Coast	TX	Smith	290.831	290.922	0.0910	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.073
Gulf Coast	TX	Smith	290.945	291.152	0.2073	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.166
Gulf Coast	TX	Smith	291.267	291.347	0.0808	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.065
Gulf Coast	TX	Smith	291.421	291.501	0.0803	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.064
Gulf Coast	TX	Smith	292.126	292.316	0.1897	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.152	0.000
Gulf Coast	TX	Smith	292.416	292.451	0.0342	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.000	0.027
Gulf Coast	TX	Cherokee	292.451	292.556	0.1058	TX073	Lilbert loamy fine sand, gently sloping	0.106	0.000
Gulf Coast	TX	Cherokee	292.556	292.680	0.1231	TX073	Betis loamy fine sand, nearly level	0.123	0.000
Gulf Coast	TX	Cherokee	292.680	292.725	0.0451	TX073	Briley loamy fine sand, sloping	0.045	0.000
Gulf Coast	TX	Cherokee	292.777	292.814	0.0371	TX073	Lilbert loamy fine sand, sloping	0.037	0.000
Gulf Coast	TX	Cherokee	292.814	292.930	0.1156	TX073	Briley loamy fine sand, sloping	0.116	0.000
Gulf Coast	TX	Cherokee	292.930	293.105	0.1747	TX073	Betis loamy fine sand, sloping	0.175	0.000
Gulf Coast	TX	Cherokee	293.105	293.185	0.0802	TX073	Darco loamy fine sand, strongly sloping, eroded	0.080	0.000
Gulf Coast	TX	Cherokee	293.222	293.263	0.0410	TX073	Darco loamy fine sand, strongly sloping	0.041	0.000
Gulf Coast	TX	Cherokee	293.263	293.384	0.1217	TX073	Betis loamy fine sand, sloping	0.122	0.000
Gulf Coast	TX	Cherokee	293.384	293.418	0.0340	TX073	Darco loamy fine sand, strongly sloping	0.034	0.000
Gulf Coast	TX	Cherokee	293.446	293.504	0.0579	TX073	Darco loamy fine sand, strongly sloping	0.058	0.000
Gulf Coast	TX	Cherokee	293.564	293.630	0.0668	TX073	Darco loamy fine sand, strongly sloping	0.067	0.000
Gulf Coast	TX	Cherokee	293.889	293.926	0.0365	TX073	Lilbert loamy fine sand, sloping	0.036	0.000
Gulf Coast	TX	Cherokee	294.134	294.172	0.0384	TX073	Lilbert loamy fine sand, sloping	0.038	0.000
Gulf Coast	TX	Cherokee	294.396	294.450	0.0542	TX073	Betis loamy fine sand, sloping	0.054	0.000
Gulf Coast	TX	Cherokee	294.651	294.669	0.0180	TX073	Betis loamy fine sand, sloping	0.018	0.000
Gulf Coast	TX	Cherokee	294.713	294.794	0.0810	TX073	Betis loamy fine sand, sloping	0.081	0.000
Gulf Coast	TX	Cherokee	294.794	294.868	0.0736	TX073	Betis loamy fine sand, nearly level	0.074	0.000

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Gulf Coast	TX	Cherokee	294.868	295.072	0.2039	TX073	Betis loamy fine sand, sloping	0.204	0.000
Gulf Coast	TX	Cherokee	295.072	295.230	0.1578	TX073	Lilbert loamy fine sand, sloping	0.158	0.000
Gulf Coast	TX	Cherokee	295.230	295.293	0.0637	TX073	Betis loamy fine sand, sloping	0.064	0.000
Gulf Coast	TX	Cherokee	295.293	295.339	0.0460	TX073	Lilbert loamy fine sand, sloping	0.046	0.000
Gulf Coast	TX	Cherokee	295.339	295.470	0.1303	TX073	Lilbert loamy fine sand, gently sloping	0.130	0.000
Gulf Coast	TX	Cherokee	295.470	295.483	0.0135	TX073	Betis loamy fine sand, nearly level	0.014	0.000
Gulf Coast	TX	Cherokee	295.483	295.531	0.0479	TX073	Betis loamy fine sand, sloping	0.048	0.000
Gulf Coast	TX	Cherokee	295.531	295.584	0.0525	TX073	Darco loamy fine sand, strongly sloping	0.052	0.000
Gulf Coast	TX	Cherokee	295.584	295.642	0.0580	TX073	Betis loamy fine sand, sloping	0.058	0.000
Gulf Coast	TX	Cherokee	295.642	295.709	0.0673	TX073	Darco loamy fine sand, strongly sloping	0.067	0.000
Gulf Coast	TX	Cherokee	295.709	295.729	0.0202	TX073	Betis loamy fine sand, sloping	0.020	0.000
Gulf Coast	TX	Cherokee	295.729	295.920	0.1903	TX073	Betis loamy fine sand, nearly level	0.190	0.000
Gulf Coast	TX	Cherokee	295.920	296.124	0.2048	TX073	Briley loamy fine sand, sloping	0.205	0.000
Gulf Coast	TX	Cherokee	296.173	296.351	0.1782	TX073	Briley loamy fine sand, sloping	0.178	0.000
Gulf Coast	TX	Cherokee	296.351	296.460	0.1091	TX073	Briley loamy fine sand, gently sloping	0.109	0.000
Gulf Coast	TX	Cherokee	296.841	296.908	0.0676	TX073	Darco loamy fine sand, strongly sloping	0.068	0.000
Gulf Coast	TX	Cherokee	296.908	297.018	0.1098	TX073	Briley loamy fine sand, sloping	0.110	0.000
Gulf Coast	TX	Cherokee	297.018	297.124	0.1054	TX073	Betis loamy fine sand, nearly level	0.105	0.000
Gulf Coast	TX	Cherokee	297.124	297.214	0.0903	TX073	Briley loamy fine sand, sloping	0.090	0.000
Gulf Coast	TX	Cherokee	297.214	297.225	0.0113	TX073	Darco loamy fine sand, strongly sloping	0.011	0.000
Gulf Coast	TX	Cherokee	297.225	297.355	0.1301	TX073	Briley loamy fine sand, sloping	0.130	0.000
Gulf Coast	TX	Cherokee	297.355	297.709	0.3538	TX073	Darco loamy fine sand, strongly sloping	0.354	0.000
Gulf Coast	TX	Cherokee	297.782	297.827	0.0455	TX073	Tenaha loamy fine sand, strongly sloping	0.073	0.036
Gulf Coast	TX	Cherokee	297.827	297.901	0.0736	TX073	Betis loamy fine sand, sloping	0.074	0.000
Gulf Coast	TX	Cherokee	297.901	297.939	0.0385	TX073	Darco loamy fine sand, strongly sloping	0.038	0.000
Gulf Coast	TX	Cherokee	297.964	298.065	0.1004	TX073	Darco loamy fine sand, strongly sloping	0.100	0.000
Gulf Coast	TX	Cherokee	298.094	298.180	0.0866	TX073	Betis loamy fine sand, nearly level	0.087	0.000
Gulf Coast	TX	Cherokee	298.248	298.428	0.1801	TX073	Darco loamy fine sand, strongly sloping	0.180	0.000
Gulf Coast	TX	Cherokee	298.428	298.449	0.0206	TX073	Lilbert loamy fine sand, sloping	0.021	0.000
Gulf Coast	TX	Cherokee	298.449	298.536	0.0877	TX073	Darco loamy fine sand, strongly sloping	0.088	0.000
Gulf Coast	TX	Cherokee	298.536	298.599	0.0622	TX073	Betis loamy fine sand, sloping	0.062	0.000
Gulf Coast	TX	Cherokee	298.599	298.657	0.0587	TX073	Briley loamy fine sand, sloping	0.059	0.000
Gulf Coast	TX	Cherokee	298.657	298.847	0.1894	TX073	Lilbert loamy fine sand, sloping, eroded	0.189	0.000
Gulf Coast	TX	Cherokee	298.847	298.988	0.1417	TX073	Briley loamy fine sand, sloping	0.142	0.000
Gulf Coast	TX	Cherokee	298.988	299.083	0.0948	TX073	Briley loamy fine sand, gently sloping	0.095	0.000
Gulf Coast	TX	Cherokee	299.083	299.237	0.1534	TX073	Betis loamy fine sand, sloping	0.153	0.000
Gulf Coast	TX	Cherokee	299.237	299.242	0.0055	TX073	Briley loamy fine sand, sloping	0.005	0.000
Gulf Coast	TX	Cherokee	299.765	299.877	0.1123	TX073	Lilbert loamy fine sand, sloping	0.112	0.000
Gulf Coast	TX	Cherokee	299.877	299.905	0.0280	TX073	Bienville loamy fine sand, nearly level	0.028	0.000
Gulf Coast	TX	Rusk	301.173	301.524	0.3513	TX401	Kirvin fine sandy loam, 5 to 15 percent slopes	0.000	0.316
Gulf Coast	TX	Rusk	301.963	302.037	0.0743	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.068
Gulf Coast	TX	Rusk	302.553	302.592	0.0386	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.035
Gulf Coast	TX	Rusk	302.775	302.861	0.0858	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.079
Gulf Coast	TX	Rusk	302.967	303.073	0.1064	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.098
Gulf Coast	TX	Rusk	303.166	303.209	0.0426	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.039
Gulf Coast	TX	Rusk	303.237	303.343	0.1060	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.098
Gulf Coast	TX	Rusk	303.517	303.686	0.1691	TX401	Lilbert loamy fine sand, 2 to 5 percent slopes	0.156	0.000
Gulf Coast	TX	Rusk	303.686	303.962	0.2764	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.254
Gulf Coast	TX	Rusk	304.180	304.433	0.2534	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.233
Gulf Coast	TX	Rusk	304.433	304.598	0.1646	TX401	Redsprings gravelly fine sandy loam, 15 to 40 percent slopes	0.000	0.160
Gulf Coast	TX	Rusk	304.598	305.023	0.4254	TX401	Betis loamy fine sand, 1 to 5 percent slopes	0.404	0.000
Gulf Coast	TX	Rusk	305.023	305.539	0.5155	TX401	Redsprings gravelly fine sandy loam, 5 to 15 percent slopes	0.000	0.490
Gulf Coast	TX	Rusk	305.539	305.828	0.2895	TX401	Darco loamy fine sand, 8 to 15 percent slope	0.266	0.000
Gulf Coast	TX	Rusk	305.828	305.904	0.0758	TX401	Redsprings gravelly fine sandy loam, 5 to 15 percent slopes	0.000	0.072
Gulf Coast	TX	Rusk	305.904	306.191	0.2866	TX401	Tenaha loamy fine sand, 5 to 15 percent slopes	0.516	0.258
Gulf Coast	TX	Rusk	306.191	306.303	0.1119	TX401	Betis loamy fine sand, 1 to 5 percent slopes	0.106	0.000
Gulf Coast	TX	Rusk	306.303	306.366	0.0638	TX401	Darco loamy fine sand, 1 to 8 percent slopes	0.059	0.000
Gulf Coast	TX	Rusk	306.366	306.404	0.0373	TX401	Tenaha loamy fine sand, 5 to 15 percent slopes	0.067	0.034
Gulf Coast	TX	Rusk	306.404	306.468	0.0643	TX401	Darco loamy fine sand, 1 to 8 percent slopes	0.059	0.000
Gulf Coast	TX	Rusk	306.468	306.848	0.3800	TX401	Betis loamy fine sand, 1 to 5 percent slopes	0.361	0.000
Gulf Coast	TX	Rusk	306.848	307.056	0.2080	TX401	Lilbert loamy fine sand, 2 to 5 percent slopes	0.191	0.000
Gulf Coast	TX	Rusk	307.056	307.170	0.1146	TX401	Tenaha loamy fine sand, 5 to 15 percent slopes	0.206	0.103
Gulf Coast	TX	Rusk	307.626	307.871	0.2451	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.226
Gulf Coast	TX	Rusk	308.042	308.247	0.2057	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.189
Gulf Coast	TX	Rusk	308.383	308.457	0.0747	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.069
Gulf Coast	TX	Rusk	308.675	308.743	0.0673	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.062
Gulf Coast	TX	Rusk	308.991	309.116	0.1248	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.115
Gulf Coast	TX	Rusk	309.206	309.327	0.1209	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.111
Gulf Coast	TX	Rusk	309.327	309.532	0.2046	TX401	Lilbert loamy fine sand, 2 to 5 percent slopes	0.188	0.000
Gulf Coast	TX	Rusk	309.532	309.663	0.1309	TX401	Kirvin fine sandy loam, 5 to 15 percent slopes	0.000	0.118
Gulf Coast	TX	Rusk	309.736	309.829	0.0928	TX401	Kirvin fine sandy loam, 5 to 15 percent slopes	0.000	0.083
Gulf Coast	TX	Rusk	310.383	310.450	0.0668	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.061
Gulf Coast	TX	Rusk	313.116	313.182	0.0652	TX401	Kirvin fine sandy loam, 5 to 15 percent slopes	0.000	0.059
Gulf Coast	TX	Rusk	313.366	313.493	0.1266	TX401	Kirvin fine sandy loam, 5 to 15 percent slopes	0.000	0.114
Gulf Coast	TX	Nacogdoche	314.052	314.219	0.1671	TX347	Sacul fine sandy loam, 5 to 20 percent slopes	0.000	0.134
Gulf Coast	TX	Nacogdoche	315.140	315.318	0.1778	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.142
Gulf Coast	TX	Nacogdoche	315.340	315.357	0.0175	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.014
Gulf Coast	TX	Nacogdoche	315.386	315.436	0.0501	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.040

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Gulf Coast	TX	Nacogdoche	315.594	315.661	0.0665	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.053
Gulf Coast	TX	Nacogdoche	316.051	316.093	0.0421	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.034
Gulf Coast	TX	Nacogdoche	316.093	316.101	0.0077	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.007	0.007
Gulf Coast	TX	Nacogdoche	316.101	316.179	0.0778	TX347	Darco loamy fine sand, 8 to 20 percent slopes	0.062	0.062
Gulf Coast	TX	Nacogdoche	316.179	316.262	0.0832	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.067	0.000
Gulf Coast	TX	Nacogdoche	316.262	316.279	0.0172	TX347	Darco loamy fine sand, 8 to 20 percent slopes	0.014	0.014
Gulf Coast	TX	Nacogdoche	316.279	316.422	0.1428	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.114
Gulf Coast	TX	Nacogdoche	316.492	316.525	0.0324	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.026
Gulf Coast	TX	Nacogdoche	316.558	316.574	0.0160	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.013
Gulf Coast	TX	Nacogdoche	316.606	316.672	0.0663	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.053
Gulf Coast	TX	Nacogdoche	316.672	316.742	0.0695	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.056	0.000
Gulf Coast	TX	Nacogdoche	316.742	316.796	0.0535	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.043
Gulf Coast	TX	Nacogdoche	316.796	316.964	0.1687	TX347	Briley loamy fine sand, 1 to 8 percent slopes	0.152	0.000
Gulf Coast	TX	Nacogdoche	317.021	317.273	0.2515	TX347	Trawick gravelly fine sandy loam, 8 to 20 percent slopes	0.000	0.163
Gulf Coast	TX	Nacogdoche	317.273	317.336	0.0626	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.050
Gulf Coast	TX	Nacogdoche	317.336	317.382	0.0460	TX347	Briley loamy fine sand, 1 to 8 percent slopes	0.041	0.000
Gulf Coast	TX	Nacogdoche	317.382	317.476	0.0942	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.085	0.085
Gulf Coast	TX	Nacogdoche	317.476	317.588	0.1125	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.090	0.000
Gulf Coast	TX	Nacogdoche	317.588	317.705	0.1164	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.105	0.105
Gulf Coast	TX	Nacogdoche	317.705	317.784	0.0789	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.063	0.000
Gulf Coast	TX	Nacogdoche	317.784	317.963	0.1792	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.143
Gulf Coast	TX	Nacogdoche	317.963	318.012	0.0488	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.044	0.044
Gulf Coast	TX	Nacogdoche	318.012	318.056	0.0448	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.036	0.000
Gulf Coast	TX	Nacogdoche	318.056	318.634	0.5780	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.520	0.520
Gulf Coast	TX	Nacogdoche	318.634	318.713	0.0787	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.063	0.000
Gulf Coast	TX	Nacogdoche	318.713	318.859	0.1462	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.132	0.132
Gulf Coast	TX	Nacogdoche	318.859	319.065	0.2056	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.164	0.000
Gulf Coast	TX	Nacogdoche	319.092	319.212	0.1197	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.096	0.000
Gulf Coast	TX	Nacogdoche	319.212	319.272	0.0603	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.048
Gulf Coast	TX	Nacogdoche	319.319	319.361	0.0426	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.034
Gulf Coast	TX	Nacogdoche	319.361	319.428	0.0666	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.060	0.060
Gulf Coast	TX	Nacogdoche	319.428	319.589	0.1609	TX347	Briley loamy fine sand, 1 to 8 percent slopes	0.145	0.000
Gulf Coast	TX	Nacogdoche	319.589	319.710	0.1207	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.109	0.109
Gulf Coast	TX	Nacogdoche	319.710	319.757	0.0477	TX347	Bienville loamy fine sand, 1 to 5 percent slopes	0.041	0.000
Gulf Coast	TX	Nacogdoche	319.834	319.957	0.1225	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.110	0.110
Gulf Coast	TX	Nacogdoche	319.957	320.099	0.1420	TX347	Darco loamy fine sand, 1 to 8 percent slopes	0.121	0.000
Gulf Coast	TX	Nacogdoche	320.099	320.266	0.1676	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.151	0.151
Gulf Coast	TX	Nacogdoche	320.266	320.397	0.1312	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.105
Gulf Coast	TX	Nacogdoche	320.489	320.600	0.1115	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.089
Gulf Coast	TX	Nacogdoche	320.600	320.681	0.0810	TX347	Briley loamy fine sand, 1 to 8 percent slopes	0.073	0.000
Gulf Coast	TX	Nacogdoche	320.753	320.874	0.1210	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.097
Gulf Coast	TX	Nacogdoche	320.874	320.967	0.0932	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.061
Gulf Coast	TX	Nacogdoche	321.735	321.786	0.0508	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.041
Gulf Coast	TX	Nacogdoche	321.866	321.948	0.0818	TX347	Trawick clay loam, 8 to 20 percent slopes	0.000	0.053
Gulf Coast	TX	Nacogdoche	321.975	322.267	0.2923	TX347	Trawick clay loam, 8 to 20 percent slopes	0.000	0.190
Gulf Coast	TX	Nacogdoche	323.254	323.270	0.0157	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.010
Gulf Coast	TX	Nacogdoche	323.625	323.774	0.1498	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.097
Gulf Coast	TX	Nacogdoche	324.004	324.162	0.1585	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.103
Gulf Coast	TX	Nacogdoche	324.628	324.792	0.1640	TX347	Trawick clay loam, 8 to 20 percent slopes	0.000	0.107
Gulf Coast	TX	Nacogdoche	324.796	324.874	0.0783	TX347	Trawick clay loam, 8 to 20 percent slopes	0.000	0.051
Gulf Coast	TX	Nacogdoche	325.118	325.155	0.0374	TX347	Trawick clay loam, 8 to 20 percent slopes	0.000	0.024
Gulf Coast	TX	Nacogdoche	325.401	325.552	0.1509	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.098
Gulf Coast	TX	Nacogdoche	325.669	325.779	0.1097	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.071
Gulf Coast	TX	Nacogdoche	325.827	325.960	0.1331	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.087
Gulf Coast	TX	Nacogdoche	329.658	329.738	0.0806	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.052
Gulf Coast	TX	Nacogdoche	329.959	330.065	0.1054	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.069
Gulf Coast	TX	Nacogdoche	330.109	330.162	0.0538	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.035
Gulf Coast	TX	Nacogdoche	330.388	330.449	0.0614	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.040
Gulf Coast	TX	Nacogdoche	330.517	330.553	0.0358	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.023
Gulf Coast	TX	Nacogdoche	331.067	331.213	0.1459	TX347	Briley loamy fine sand, 1 to 8 percent slopes	0.131	0.000
Gulf Coast	TX	Nacogdoche	331.213	331.538	0.3254	TX347	Trawick clay loam, 8 to 20 percent slopes	0.000	0.212
Gulf Coast	TX	Nacogdoche	332.083	332.188	0.1043	TX347	Attoyac fine sandy loam, 8 to 15 percent slopes	0.000	0.089
Gulf Coast	TX	Nacogdoche	332.707	332.872	0.1649	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.000	0.132
Gulf Coast	TX	Nacogdoche	332.976	333.218	0.2418	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.000	0.157
Gulf Coast	TX	Cherokee	333.295	333.613	0.3181	TX073	Ochlockonee loamy fine sand	0.318	0.000
Gulf Coast	TX	Cherokee	336.413	336.443	0.0296	TX073	Cuthbert fine sandy loam, strongly sloping	0.000	0.025
Gulf Coast	TX	Cherokee	336.443	336.454	0.0108	TX073	Betis loamy fine sand, nearly level	0.011	0.000
Gulf Coast	TX	Cherokee	336.454	336.506	0.0528	TX073	Sacul fine sandy loam, strongly sloping	0.000	0.053
Gulf Coast	TX	Cherokee	336.776	336.956	0.1801	TX073	Cuthbert fine sandy loam, strongly sloping	0.000	0.153
Gulf Coast	TX	Cherokee	337.393	337.566	0.1721	TX073	Elrose fine sandy loam, strongly sloping	0.000	0.172
Gulf Coast	TX	Cherokee	337.737	337.816	0.0795	TX073	Trawick fine sandy loam, strongly sloping	0.000	0.079
Gulf Coast	TX	Cherokee	338.532	338.541	0.0090	TX073	Sacul fine sandy loam, strongly sloping	0.000	0.009
Gulf Coast	TX	Cherokee	339.010	339.019	0.0089	TX073	Sacul fine sandy loam, strongly sloping	0.000	0.009
Gulf Coast	TX	Angelina	340.004	340.960	0.9555	TX005	Woodtell very fine sandy loam, 1 to 5 percent slopes	0.000	0.096
Gulf Coast	TX	Angelina	341.778	342.027	0.2486	TX005	Woodtell very fine sandy loam, 1 to 5 percent slopes	0.000	0.025
Gulf Coast	TX	Angelina	342.027	342.124	0.0977	TX005	Millboro-Boro silty clays, 6 to 9 percent slopes, PA2	0.000	0.088
Gulf Coast	TX	Angelina	342.124	342.214	0.0900	TX005	Woodtell very fine sandy loam, 1 to 5 percent slopes	0.000	0.009
Gulf Coast	TX	Angelina	342.214	342.306	0.0915	TX005	Millboro-Boro silty clays, 6 to 9 percent slopes, PA2	0.000	0.082

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone Wind (miles)	Erosion Prone Water (miles)
Gulf Coast	TX	Angelina	342.306	342.428	0.1228	TX005	Woodtell very fine sandy loam, 1 to 5 percent slopes	0.000	0.012
Gulf Coast	TX	Angelina	342.428	342.523	0.0946	TX005	Millboro-Boro silty clays, 6 to 9 percent slopes, PA2	0.000	0.085
Gulf Coast	TX	Angelina	342.552	342.846	0.2938	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.235
Gulf Coast	TX	Angelina	343.772	344.044	0.2722	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.218
Gulf Coast	TX	Angelina	344.256	344.298	0.0421	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.034
Gulf Coast	TX	Angelina	344.494	344.549	0.0552	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.044
Gulf Coast	TX	Angelina	344.668	344.780	0.1122	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.090
Gulf Coast	TX	Angelina	345.416	345.553	0.1371	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.110
Gulf Coast	TX	Angelina	345.614	345.774	0.1606	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.129
Gulf Coast	TX	Angelina	346.177	346.330	0.1529	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.122
Gulf Coast	TX	Angelina	346.544	346.673	0.1290	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.103
Gulf Coast	TX	Angelina	346.762	346.840	0.0778	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.062
Gulf Coast	TX	Angelina	348.403	348.468	0.0650	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.052
Gulf Coast	TX	Angelina	348.596	348.727	0.1303	TX005	Attoyac fine sandy loam, 8 to 15 percent slopes	0.000	0.111
Gulf Coast	TX	Angelina	349.073	349.437	0.3640	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.000	0.291
Gulf Coast	TX	Angelina	349.594	349.709	0.1148	TX005	Darco loamy fine sandy, 1 to 8 percent slopes	0.115	0.000
Gulf Coast	TX	Angelina	349.709	349.784	0.0750	TX005	Attoyac fine sandy loam, 8 to 15 percent slopes	0.000	0.064
Gulf Coast	TX	Angelina	349.784	349.902	0.1184	TX005	Darco loamy fine sandy, 1 to 8 percent slopes	0.118	0.000
Gulf Coast	TX	Angelina	349.902	350.021	0.1183	TX005	Attoyac fine sandy loam, 8 to 15 percent slopes	0.000	0.101
Gulf Coast	TX	Angelina	350.186	350.550	0.3633	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.327
Gulf Coast	TX	Angelina	350.680	350.789	0.1085	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.098
Gulf Coast	TX	Angelina	350.946	351.078	0.1325	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.119
Gulf Coast	TX	Angelina	352.053	352.146	0.0933	TX005	Bienville loamy fine sand, 0 to 5 percent slopes	0.075	0.000
Gulf Coast	TX	Angelina	352.534	352.994	0.4607	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.415
Gulf Coast	TX	Angelina	353.120	353.276	0.1553	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.140
Gulf Coast	TX	Angelina	353.949	354.400	0.4512	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.406
Gulf Coast	TX	Angelina	354.550	354.646	0.0954	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.086
Gulf Coast	TX	Angelina	356.173	356.226	0.0525	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.047
Gulf Coast	TX	Angelina	356.711	356.924	0.2127	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.191
Gulf Coast	TX	Angelina	357.053	357.112	0.0587	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.053
Gulf Coast	TX	Angelina	357.181	357.283	0.1018	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.092
Gulf Coast	TX	Angelina	357.553	357.618	0.0641	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.058
Gulf Coast	TX	Angelina	358.060	358.089	0.0291	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.000	0.026
Gulf Coast	TX	Angelina	358.717	358.760	0.0429	TX005	Moswell loam, 5 to 15 percent slopes	0.000	0.034
Gulf Coast	TX	Angelina	358.760	358.960	0.1992	TX005	Darco loamy fine sandy, 1 to 8 percent slopes	0.199	0.000
Gulf Coast	TX	Angelina	358.960	359.068	0.1089	TX005	Moswell loam, 5 to 15 percent slopes	0.000	0.087
Gulf Coast	TX	Angelina	360.318	360.391	0.0727	TX005	Attoyac fine sandy loam, 8 to 15 percent slopes	0.000	0.062
Gulf Coast	TX	Angelina	363.395	363.534	0.1389	TX005	Bienville loamy fine sand, 0 to 5 percent slopes	0.111	0.000
Gulf Coast	TX	Polk	369.468	369.921	0.4525	TX617	Moswell fine sandy loam, 5 to 12 percent slopes	0.000	0.362
Gulf Coast	TX	Polk	370.120	370.749	0.6286	TX617	Moswell fine sandy loam, 5 to 12 percent slopes	0.000	0.503
Gulf Coast	TX	Polk	371.926	372.089	0.1627	TX617	Moswell fine sandy loam, 5 to 12 percent slopes	0.000	0.130
Gulf Coast	TX	Polk	372.517	372.634	0.1172	TX617	Kian and Mantachie soils, frequently flooded	0.047	0.000
Gulf Coast	TX	Polk	373.006	373.098	0.0928	TX617	Kian and Mantachie soils, frequently flooded	0.037	0.000
Gulf Coast	TX	Polk	373.276	373.522	0.2454	TX617	Kian and Mantachie soils, frequently flooded	0.098	0.000
Gulf Coast	TX	Polk	373.896	374.311	0.4150	TX617	Kian and Mantachie soils, frequently flooded	0.166	0.000
Gulf Coast	TX	Polk	374.311	374.353	0.0418	TX617	Moswell fine sandy loam, 5 to 12 percent slopes	0.000	0.033
Gulf Coast	TX	Polk	374.353	374.812	0.4592	TX617	Boykin loamy fine sand, 1 to 5 percent slopes	0.459	0.000
Gulf Coast	TX	Polk	374.812	375.548	0.7355	TX617	Kian and Mantachie soils, frequently flooded	0.294	0.000
Gulf Coast	TX	Polk	378.515	378.869	0.3538	TX617	Rayburn fine sandy loam, 5 to 15 percent slopes	0.000	0.283
Gulf Coast	TX	Polk	379.338	379.448	0.1104	TX617	Kian and Mantachie soils, frequently flooded	0.044	0.000
Gulf Coast	TX	Polk	379.977	380.175	0.1982	TX617	Kian and Mantachie soils, frequently flooded	0.079	0.000
Gulf Coast	TX	Polk	380.300	380.461	0.1603	TX617	Kian and Mantachie soils, frequently flooded	0.064	0.000
Gulf Coast	TX	Polk	380.461	380.863	0.4020	TX617	Rayburn fine sandy loam, 5 to 15 percent slopes	0.000	0.322
Gulf Coast	TX	Polk	381.921	382.085	0.1638	TX617	Kian and Mantachie soils, frequently flooded	0.066	0.000
Gulf Coast	TX	Polk	382.428	382.535	0.1063	TX617	Woodville fine sandy loam, 5 to 12 percent slopes	0.000	0.085
Gulf Coast	TX	Polk	382.673	383.204	0.5307	TX617	Woodville fine sandy loam, 5 to 12 percent slopes	0.000	0.425
Gulf Coast	TX	Polk	383.512	383.866	0.3544	TX617	Woodville fine sandy loam, 5 to 12 percent slopes	0.000	0.283
Gulf Coast	TX	Polk	383.866	384.535	0.6689	TX617	Stringtown-Bonwier association, strongly sloping	0.000	0.468
Gulf Coast	TX	Polk	386.844	387.142	0.2982	TX617	Stringtown-Bonwier association, strongly sloping	0.000	0.209
Gulf Coast	TX	Polk	387.311	387.644	0.3326	TX617	Woodville fine sandy loam, 5 to 12 percent slopes	0.000	0.266
Gulf Coast	TX	Polk	387.835	388.363	0.5277	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.475	0.000
Gulf Coast	TX	Polk	388.618	388.659	0.0419	TX617	Woodville fine sandy loam, 5 to 12 percent slopes	0.000	0.033
Gulf Coast	TX	Polk	388.819	389.009	0.1901	TX617	Stringtown-Bonwier association, strongly sloping	0.000	0.133
Gulf Coast	TX	Polk	391.790	391.848	0.0581	TX617	Stringtown-Bonwier association, strongly sloping	0.000	0.041
Gulf Coast	TX	Polk	391.888	392.090	0.2014	TX617	Stringtown-Bonwier association, strongly sloping	0.000	0.141
Gulf Coast	TX	Polk	393.190	393.290	0.1003	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.090	0.000
Gulf Coast	TX	Polk	393.290	393.434	0.1444	TX617	Stringtown-Bonwier association, strongly sloping	0.000	0.101
Gulf Coast	TX	Polk	393.434	393.585	0.1504	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.135	0.000
Gulf Coast	TX	Polk	393.585	393.736	0.1511	TX617	Stringtown-Bonwier association, strongly sloping	0.000	0.106
Gulf Coast	TX	Polk	394.547	394.601	0.0541	TX617	Stringtown-Bonwier association, strongly sloping	0.000	0.038
Gulf Coast	TX	Polk	394.909	394.995	0.0865	TX617	Bienville loamy fine sand, 0 to 3 percent slopes	0.061	0.000
Gulf Coast	TX	Polk	395.052	395.617	0.5651	TX617	Bienville loamy fine sand, 0 to 3 percent slopes	0.396	0.000
Gulf Coast	TX	Polk	397.335	397.555	0.2207	TX617	Woodville fine sandy loam, 5 to 12 percent slopes	0.000	0.177
Gulf Coast	TX	Polk	397.880	397.955	0.0753	TX617	Choates loamy fine sand, 1 to 5 percent slopes	0.056	0.000
Gulf Coast	TX	Polk	398.069	398.220	0.1511	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.136	0.000
Gulf Coast	TX	Polk	398.582	398.649	0.0671	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.060	0.000
Gulf Coast	TX	Polk	398.757	398.850	0.0933	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.084	0.000
Gulf Coast	TX	Polk	399.907	400.183	0.2768	TX617	Bienville loamy fine sand, 0 to 3 percent slopes	0.194	0.000

Table K-4 Highly Erodible Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Erosion Prone	
								Wind (miles)	Water (miles)
Gulf Coast	TX	Polk	400.509	401.423	0.9133	TX617	Stringtown-Bonwier association, strongly sloping	0.000	0.639
Gulf Coast	TX	Polk	402.050	402.712	0.6615	TX617	Bienville loamy fine sand, 0 to 3 percent slopes	0.463	0.000
Gulf Coast	TX	Polk	403.977	404.483	0.5059	TX617	Choates loamy fine sand, 1 to 5 percent slopes	0.379	0.000
Gulf Coast	TX	Polk	408.593	408.678	0.0852	TX617	Boykin loamy fine sand, 1 to 5 percent slopes	0.085	0.000
Gulf Coast	TX	Polk	408.741	409.061	0.3200	TX617	Boykin loamy fine sand, 1 to 5 percent slopes	0.320	0.000
Gulf Coast	TX	Polk	410.504	410.981	0.4767	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.429	0.000
Gulf Coast	TX	Polk	412.645	412.911	0.2662	TX617	Choates loamy fine sand, 1 to 5 percent slopes	0.200	0.000
Gulf Coast	TX	Liberty	412.911	412.961	0.0496	TX291	Choates loamy fine sand, 1 to 3 percent slopes	0.040	0.000
Gulf Coast	TX	Liberty	412.961	413.602	0.6413	TX291	Doucette loamy fine sand, 1 to 3 percent slopes	0.513	0.000
Gulf Coast	TX	Hardin	446.836	446.890	0.0545	TX199	Spurger very fine sandy loam, 0 to 2 percent slopes	0.003	0.000
Gulf Coast	TX	Hardin	446.970	447.250	0.2805	TX199	Spurger very fine sandy loam, 0 to 2 percent slopes	0.014	0.000
Gulf Coast	TX	Hardin	447.293	447.338	0.0458	TX199	Spurger very fine sandy loam, 0 to 2 percent slopes	0.002	0.000
HOUSTON LATERAL									
Houston Lateral	TX	Liberty	17.798	17.965	0.1670	TX291	Bienville loamy fine sand, 0 to 2 percent slopes	0.134	0.000
Houston Lateral	TX	Liberty	17.965	18.351	0.3863	TX291	Bienville-Kenefick complex, 1 to 3 percent slopes	0.155	0.000
Houston Lateral	TX	Liberty	22.984	23.183	0.1995	TX291	Voss fine sand, occasionally flooded	0.170	0.000
Houston Lateral	TX	Harris	43.036	43.314	0.2783	TX201	Voss sand	0.250	0.000
Houston Lateral	TX	Harris	43.375	43.555	0.1802	TX201	Voss sand	0.162	0.000

Table K-5 Shallow Bedrock Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Shallow Bedrock (%)	Shallow Bedrock (miles)
STEELE CITY SEGMENT									
Steele City	MT	McCone	149.717	149.771	0.0549	MT055	Shambo loam, 4 to 8 percent slopes	2	0.001
Steele City	MT	McCone	150.190	150.453	0.2636	MT055	Shambo loam, 4 to 8 percent slopes	2	0.005
Steele City	MT	Dawson	156.749	156.878	0.1286	MT021	Attewan loam, 2 to 4 percent slopes	85	0.109
Steele City	MT	Dawson	156.915	156.973	0.0577	MT021	Attewan loam, 2 to 4 percent slopes	85	0.049
Steele City	MT	Dawson	157.968	158.265	0.2972	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	45	0.134
Steele City	MT	Dawson	162.346	162.378	0.0318	MT021	Attewan loam, 4 to 8 percent slopes	85	0.027
Steele City	MT	Dawson	162.764	163.085	0.3206	MT021	Attewan loam, 2 to 4 percent slopes	85	0.272
Steele City	MT	Dawson	180.938	181.573	0.6348	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	5	0.032
Steele City	MT	Dawson	181.584	182.056	0.4722	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	5	0.024
Steele City	MT	Dawson	183.606	183.706	0.0994	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	45	0.045
Steele City	MT	Dawson	183.734	183.873	0.1393	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	45	0.063
Steele City	MT	Dawson	183.996	184.067	0.0714	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	45	0.032
Steele City	MT	Dawson	184.505	184.639	0.1339	MT021	Attewan loam, 2 to 4 percent slopes	85	0.114
Steele City	MT	Dawson	184.639	185.103	0.4640	MT021	Attewan, thin solum complex, 4 to 15 percent slopes	5	0.023
Steele City	MT	Dawson	187.054	187.216	0.1626	MT021	Attewan loam, 2 to 4 percent slopes	85	0.138
Steele City	MT	Dawson	187.275	187.341	0.0663	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	5	0.003
Steele City	MT	Dawson	187.341	187.710	0.3694	MT021	Attewan loam, 2 to 4 percent slopes	85	0.314
Steele City	MT	Dawson	187.710	187.820	0.1102	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	5	0.006
Steele City	MT	Dawson	187.820	187.864	0.0435	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	45	0.020
Steele City	MT	Dawson	187.864	188.070	0.2064	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	55	0.114
Steele City	MT	Dawson	188.198	188.265	0.0675	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	55	0.037
Steele City	MT	Dawson	188.340	188.449	0.1089	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	55	0.060
Steele City	MT	Dawson	188.449	188.515	0.0664	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	45	0.030
Steele City	MT	Dawson	188.843	189.165	0.3218	MT021	Attewan loam, 2 to 4 percent slopes	85	0.274
Steele City	MT	Dawson	189.165	189.183	0.0177	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	55	0.010
Steele City	MT	Dawson	189.183	189.293	0.1102	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	45	0.050
Steele City	MT	Dawson	189.406	189.461	0.0544	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	45	0.024
Steele City	MT	Dawson	189.611	189.790	0.1789	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	45	0.080
Steele City	MT	Dawson	189.790	189.832	0.0428	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	55	0.024
Steele City	MT	Dawson	189.832	189.914	0.0814	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	45	0.037
Steele City	MT	Dawson	189.914	189.944	0.0305	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	55	0.017
Steele City	MT	Dawson	189.944	190.303	0.3589	MT021	Attewan loam, 2 to 4 percent slopes	85	0.305
Steele City	MT	Dawson	190.303	190.862	0.5592	MT021	Chinook fine sandy loam, 0 to 4 percent slopes	5	0.028
Steele City	MT	Dawson	191.407	192.038	0.6316	MT021	Attewan loam, 2 to 4 percent slopes	85	0.537
Steele City	MT	Dawson	192.038	192.651	0.6124	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	5	0.031
Steele City	MT	Dawson	193.573	193.659	0.0855	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	5	0.004
Steele City	MT	Dawson	196.779	197.009	0.2306	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	5	0.012
Steele City	MT	Prairie	197.009	197.040	0.0304	MT079	Lihen-Tinsley complex, 8 to 35 percent slopes	5	0.002
Steele City	MT	Prairie	197.536	197.631	0.0953	MT079	Degrand loam, 0 to 4 percent slopes	85	0.081
Steele City	MT	Prairie	197.648	197.890	0.2418	MT079	Degrand loam, 0 to 4 percent slopes	85	0.205
Steele City	MT	Prairie	198.248	198.314	0.0668	MT079	Degrand loam, 0 to 4 percent slopes	85	0.057
Steele City	MT	Prairie	198.353	199.470	1.1166	MT079	Degrand loam, 0 to 4 percent slopes	85	0.949
Steele City	MT	Prairie	199.606	199.762	0.1565	MT079	Lihen-Tinsley complex, 8 to 35 percent slopes	5	0.008
Steele City	MT	Prairie	201.339	201.408	0.0687	MT079	Kremlin loam, 0 to 2 percent slopes	3	0.002
Steele City	MT	Prairie	204.806	205.075	0.2695	MT079	Degrand loam, 0 to 4 percent slopes	85	0.229
Steele City	SD	Harding	283.603	283.812	0.2088	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	25	0.052
Steele City	SD	Harding	286.718	286.876	0.1580	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	20	0.032
Steele City	SD	Harding	286.994	287.083	0.0885	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	20	0.018
Steele City	SD	Harding	287.184	287.279	0.0948	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	20	0.019
Steele City	SD	Harding	287.641	287.711	0.0695	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	20	0.014
Steele City	SD	Harding	289.672	289.923	0.2516	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	25	0.063
Steele City	SD	Harding	292.093	292.122	0.0295	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	25	0.007
Steele City	SD	Harding	292.460	292.584	0.1234	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	25	0.031
Steele City	SD	Harding	293.947	293.964	0.0163	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	25	0.004
Steele City	SD	Harding	294.010	294.113	0.1028	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	25	0.026
Steele City	SD	Harding	302.214	302.696	0.4823	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	25	0.121
Steele City	SD	Harding	303.893	304.121	0.2282	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	25	0.057
Steele City	SD	Harding	308.620	308.670	0.0506	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	25	0.013
Steele City	SD	Harding	309.420	309.575	0.1549	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	25	0.039
Steele City	SD	Harding	310.006	310.105	0.0996	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	25	0.025
Steele City	SD	Harding	310.838	311.140	0.3014	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	25	0.075
Steele City	SD	Harding	323.547	323.740	0.1930	SD063	Fleak-Trey-Rock outcrop complex, 15 to 50 percent slopes	20	0.039
Steele City	SD	Harding	324.028	324.561	0.5336	SD063	Fleak-Trey-Rock outcrop complex, 15 to 50 percent slopes	20	0.107
Steele City	SD	Harding	325.176	325.481	0.3048	SD063	Fleak-Trey-Rock outcrop complex, 15 to 50 percent slopes	20	0.061
Steele City	SD	Harding	328.945	329.068	0.1232	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	25	0.031
Steele City	SD	Harding	329.131	329.207	0.0760	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	25	0.019
Steele City	SD	Harding	334.072	334.170	0.0978	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	25	0.024
Steele City	SD	Harding	348.051	348.225	0.1749	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	25	0.044
Steele City	SD	Harding	348.406	348.459	0.0533	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	25	0.013
Steele City	SD	Harding	350.538	350.569	0.0313	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	25	0.008
Steele City	SD	Harding	352.533	352.599	0.0662	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	25	0.017
Steele City	SD	Tripp	570.016	570.101	0.0844	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	4	0.003
Steele City	SD	Tripp	571.197	571.326	0.1288	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	571.329	571.390	0.0615	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	571.609	572.182	0.5729	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	1	0.006
Steele City	SD	Tripp	572.241	572.354	0.1129	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	1	0.001
Steele City	SD	Tripp	573.083	573.238	0.1552	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	1	0.002
Steele City	SD	Tripp	573.837	573.935	0.0981	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	1	0.001
Steele City	SD	Tripp	574.070	574.175	0.1052	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	1	0.001
Steele City	SD	Tripp	574.175	574.244	0.0692	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	1	0.001

Table K-5 Shallow Bedrock Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Shallow Bedrock (%)	Shallow Bedrock (miles)
Steele City	SD	Tripp	574.315	574.387	0.0713	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	1	0.001
Steele City	SD	Tripp	574.547	574.613	0.0662	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	1	0.001
Steele City	SD	Tripp	574.686	575.191	0.5052	SD123	Valentine-Longpine complex, 6 to 15 percent slopes	2	0.010
Steele City	SD	Tripp	575.191	575.195	0.0042	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	1	0.000
Steele City	SD	Tripp	575.195	575.748	0.5532	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	1	0.006
Steele City	SD	Tripp	575.953	576.110	0.1571	SD123	Valentine-Longpine complex, 6 to 15 percent slopes	2	0.003
Steele City	SD	Tripp	576.110	576.224	0.1137	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	1	0.001
Steele City	SD	Tripp	576.778	576.882	0.1040	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	1	0.001
Steele City	SD	Tripp	577.194	577.287	0.0925	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	577.592	577.634	0.0413	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.000
Steele City	SD	Tripp	577.917	578.044	0.1275	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	578.044	578.114	0.0696	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	1	0.001
Steele City	SD	Tripp	578.417	578.791	0.3747	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	1	0.004
Steele City	SD	Tripp	578.884	579.007	0.1224	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	579.189	579.335	0.1455	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	580.479	580.531	0.0525	SD123	Longpine-Rock outcrop complex, 15 to 40 percent slopes	30	0.016
Steele City	SD	Tripp	580.531	580.642	0.1110	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	581.237	581.330	0.0930	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	581.476	581.853	0.3776	SD123	Valentine-Longpine complex, 6 to 15 percent slopes	2	0.008
Steele City	SD	Tripp	581.853	581.938	0.0845	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	581.938	581.982	0.0448	SD123	Valentine-Longpine complex, 6 to 15 percent slopes	2	0.001
Steele City	SD	Tripp	581.982	582.097	0.1140	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	582.097	582.215	0.1187	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	1	0.001
Steele City	SD	Tripp	582.267	582.389	0.1221	SD123	Valentine-Longpine complex, 6 to 15 percent slopes	2	0.002
Steele City	SD	Tripp	582.389	582.600	0.2108	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	1	0.002
Steele City	SD	Tripp	582.600	582.644	0.0444	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	1	0.000
Steele City	SD	Tripp	582.681	582.764	0.0830	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	1	0.001
Steele City	SD	Tripp	582.852	582.960	0.1080	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	1	0.001
Steele City	SD	Tripp	582.960	583.013	0.0536	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	1	0.001
Steele City	SD	Tripp	583.013	583.032	0.0186	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.000
Steele City	SD	Tripp	583.032	583.108	0.0755	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	1	0.001
Steele City	SD	Tripp	583.108	583.281	0.1732	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.002
Steele City	SD	Tripp	583.281	583.357	0.0765	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	1	0.001
Steele City	SD	Tripp	583.357	583.564	0.2071	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	1	0.002
Steele City	SD	Tripp	583.898	584.292	0.3940	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.004
Steele City	SD	Tripp	584.411	584.675	0.2643	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	1	0.003
Steele City	SD	Tripp	584.675	584.854	0.1784	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.002
Steele City	SD	Tripp	585.305	585.308	0.0024	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.000
Steele City	SD	Tripp	585.409	585.410	0.0015	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.000
Steele City	SD	Tripp	585.543	585.646	0.1032	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	585.853	585.937	0.0842	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	1	0.001
Steele City	SD	Tripp	586.175	586.380	0.2046	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.002
Steele City	SD	Tripp	586.633	587.126	0.4925	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.005
Steele City	SD	Tripp	588.197	588.215	0.0179	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.000
Steele City	SD	Tripp	588.331	588.418	0.0872	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	1	0.001
Steele City	SD	Tripp	588.750	588.789	0.0391	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	4	0.002
Steele City	SD	Tripp	589.051	589.176	0.1253	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	4	0.005
Steele City	SD	Tripp	589.240	589.336	0.0964	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	4	0.004
Steele City	SD	Tripp	589.458	589.554	0.0959	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	4	0.004
Steele City	SD	Tripp	590.019	590.189	0.1708	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	4	0.007
Steele City	SD	Tripp	592.307	592.712	0.4058	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	4	0.016
Steele City	SD	Tripp	592.731	592.799	0.0680	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	4	0.003
Steele City	SD	Tripp	592.799	592.839	0.0403	SD123	Longpine-Rock outcrop complex, 15 to 40 percent slopes	30	0.012
Steele City	SD	Tripp	592.921	593.009	0.0880	SD123	Longpine-Rock outcrop complex, 15 to 40 percent slopes	30	0.026
Steele City	SD	Tripp	593.646	594.197	0.5506	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	4	0.022
Steele City	NE	Jefferson	848.649	848.659	0.0102	NE095	Rough stony land	100	0.010
Steele City	NE	Jefferson	848.745	848.844	0.0995	NE095	Rough stony land	100	0.100
Steele City	NE	Jefferson	849.222	849.351	0.1293	NE095	Rough stony land	100	0.129
Steele City	NE	Jefferson	849.425	849.506	0.0811	NE095	Rough stony land	100	0.081
GULF COAST SEGMENT									
Gulf Coast	OK	Creek	17.996	18.065	0.0696	OK037	Collinsville and Talihina soils, 5 to 12 percent slopes	55	0.038
Gulf Coast	OK	Creek	20.325	20.445	0.1203	OK037	Collinsville and Talihina soils, 5 to 12 percent slopes	55	0.066
Gulf Coast	OK	Hughes	59.660	59.725	0.0657	OK063	Wann loam, 0 to 1 percent slopes	65	0.043
Gulf Coast	OK	Hughes	59.843	59.882	0.0390	OK063	Wann loam, 0 to 1 percent slopes	65	0.025
Gulf Coast	OK	Hughes	59.933	59.954	0.0217	OK063	Wann loam, 0 to 1 percent slopes	65	0.014
Gulf Coast	OK	Hughes	61.574	61.801	0.2266	OK063	Wann loam, 0 to 1 percent slopes	65	0.147
Gulf Coast	OK	Hughes	61.855	61.885	0.0305	OK063	Wann loam, 0 to 1 percent slopes	65	0.020
Gulf Coast	OK	Hughes	61.949	62.216	0.2671	OK063	Wann loam, 0 to 1 percent slopes	65	0.174
Gulf Coast	OK	Hughes	63.715	63.844	0.1294	OK063	Wann loam, 0 to 1 percent slopes	65	0.084
Gulf Coast	OK	Hughes	64.894	64.992	0.0977	OK063	Wann loam, 0 to 1 percent slopes	65	0.064
Gulf Coast	OK	Hughes	65.203	65.243	0.0397	OK063	Wann loam, 0 to 1 percent slopes	65	0.026
Gulf Coast	OK	Hughes	65.347	65.418	0.0706	OK063	Wann loam, 0 to 1 percent slopes	65	0.046
Gulf Coast	OK	Hughes	65.465	65.560	0.0955	OK063	Wann loam, 0 to 1 percent slopes	65	0.062
Gulf Coast	OK	Hughes	65.619	65.672	0.0536	OK063	Wann loam, 0 to 1 percent slopes	65	0.035
Gulf Coast	OK	Hughes	65.978	65.979	0.0015	OK063	Wann loam, 0 to 1 percent slopes	65	0.001
Gulf Coast	OK	Hughes	67.521	67.574	0.0529	OK063	Wann loam, 0 to 1 percent slopes	65	0.034
Gulf Coast	OK	Hughes	67.574	67.821	0.2470	OK063	Clearview-Hector complex, 3 to 5 percent slopes	100	0.247
Gulf Coast	OK	Hughes	67.821	67.888	0.0665	OK063	Wann loam, 0 to 1 percent slopes	65	0.043
Gulf Coast	OK	Hughes	67.888	68.351	0.4636	OK063	Clearview fine sandy loam, 1 to 3 percent slopes	100	0.464
Gulf Coast	OK	Hughes	68.364	68.477	0.1128	OK063	Clearview fine sandy loam, 1 to 3 percent slopes	100	0.113
Gulf Coast	OK	Hughes	70.569	70.759	0.1901	OK063	Wann loam, 0 to 1 percent slopes	65	0.124

Table K-5 Shallow Bedrock Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Shallow Bedrock (%)	Shallow Bedrock (miles)
Gulf Coast	OK	Hughes	70.759	70.872	0.1137	OK063	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	100	0.114
Gulf Coast	OK	Hughes	70.967	70.970	0.0028	OK063	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	100	0.003
Gulf Coast	OK	Hughes	70.970	71.077	0.1071	OK063	Wann loam, 0 to 1 percent slopes	65	0.070
Gulf Coast	OK	Hughes	71.077	71.379	0.3023	OK063	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	100	0.302
Gulf Coast	OK	Hughes	71.379	71.572	0.1927	OK063	Clearview-Hector complex, 3 to 5 percent slopes	100	0.193
Gulf Coast	OK	Hughes	71.572	71.631	0.0587	OK063	Clearview fine sandy loam, 3 to 5 percent slopes	100	0.059
Gulf Coast	OK	Hughes	71.631	71.741	0.1104	OK063	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	100	0.110
Gulf Coast	OK	Hughes	71.741	71.961	0.2201	OK063	Wann loam, 0 to 1 percent slopes	65	0.143
Gulf Coast	OK	Hughes	71.961	72.040	0.0786	OK063	Clearview-Hector complex, 3 to 5 percent slopes	100	0.079
Gulf Coast	OK	Hughes	72.040	72.051	0.0109	OK063	Wann loam, 0 to 1 percent slopes	65	0.007
Gulf Coast	OK	Hughes	72.051	72.162	0.1116	OK063	Clearview-Hector complex, 3 to 5 percent slopes	100	0.112
Gulf Coast	OK	Hughes	72.162	72.224	0.0614	OK063	Wann loam, 0 to 1 percent slopes	65	0.040
Gulf Coast	OK	Hughes	72.224	72.321	0.0972	OK063	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	100	0.097
Gulf Coast	OK	Hughes	72.321	72.430	0.1094	OK063	Wann loam, 0 to 1 percent slopes	65	0.071
Gulf Coast	OK	Hughes	72.430	72.628	0.1972	OK063	Clearview-Hector complex, 3 to 5 percent slopes, eroded	100	0.197
Gulf Coast	OK	Hughes	72.628	72.666	0.0386	OK063	Wann loam, 0 to 1 percent slopes	65	0.025
Gulf Coast	OK	Hughes	72.666	72.857	0.1904	OK063	Clearview-Hector complex, 3 to 5 percent slopes, eroded	100	0.190
Gulf Coast	OK	Hughes	72.857	72.917	0.0606	OK063	Wann loam, 0 to 1 percent slopes	65	0.039
Gulf Coast	OK	Hughes	73.933	74.067	0.1340	OK063	Wann loam, 0 to 1 percent slopes	65	0.087
Gulf Coast	OK	Hughes	75.112	75.145	0.0329	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	45	0.015
Gulf Coast	OK	Hughes	75.145	75.438	0.2933	OK063	Wann loam, 0 to 1 percent slopes	65	0.191
Gulf Coast	OK	Hughes	76.182	76.305	0.1229	OK063	Wann loam, 0 to 1 percent slopes	65	0.080
Gulf Coast	OK	Hughes	81.435	82.554	1.1193	OK063	Wann loam, 0 to 1 percent slopes	65	0.728
Gulf Coast	OK	Hughes	82.554	82.801	0.2467	OK063	Clearview-Hector complex, 3 to 5 percent slopes	100	0.247
Gulf Coast	OK	Hughes	82.801	83.199	0.3981	OK063	Wann loam, 0 to 1 percent slopes	65	0.259
Gulf Coast	OK	Hughes	83.199	83.312	0.1124	OK063	Clearview-Hector complex, 3 to 5 percent slopes, eroded	100	0.112
Gulf Coast	OK	Hughes	83.312	83.330	0.0189	OK063	Clearview-Hector complex, 3 to 5 percent slopes	100	0.019
Gulf Coast	OK	Hughes	83.330	83.395	0.0644	OK063	Clearview-Hector complex, 3 to 5 percent slopes, eroded	100	0.064
Gulf Coast	OK	Hughes	83.395	83.424	0.0288	OK063	Clearview fine sandy loam, 1 to 3 percent slopes	100	0.029
Gulf Coast	OK	Hughes	83.424	83.673	0.2491	OK063	Clearview-Hector complex, 3 to 5 percent slopes, eroded	100	0.249
Gulf Coast	OK	Hughes	83.673	83.750	0.0777	OK063	Wann loam, 0 to 1 percent slopes	65	0.051
Gulf Coast	OK	Hughes	84.702	84.853	0.1504	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	45	0.068
Gulf Coast	OK	Hughes	84.853	84.934	0.0812	OK063	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	100	0.081
Gulf Coast	OK	Hughes	84.934	84.963	0.0289	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	45	0.013
Gulf Coast	OK	Hughes	85.071	85.096	0.0253	OK063	Wann loam, 0 to 1 percent slopes	65	0.016
Gulf Coast	OK	Hughes	85.096	85.135	0.0386	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	45	0.017
Gulf Coast	OK	Hughes	85.135	85.214	0.0797	OK063	Clearview-Hector complex, 3 to 5 percent slopes	100	0.080
Gulf Coast	OK	Hughes	85.214	85.216	0.0014	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	45	0.001
Gulf Coast	OK	Hughes	85.216	85.504	0.2888	OK063	Clearview-Hector complex, 3 to 5 percent slopes	100	0.289
Gulf Coast	OK	Hughes	85.504	85.559	0.0542	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	45	0.024
Gulf Coast	OK	Hughes	85.559	85.598	0.0396	OK063	Wann loam, 0 to 1 percent slopes	65	0.026
Gulf Coast	OK	Hughes	85.777	85.782	0.0053	OK063	Wann loam, 0 to 1 percent slopes	65	0.003
Gulf Coast	OK	Hughes	86.329	86.530	0.2009	OK063	Wann loam, 0 to 1 percent slopes	65	0.131
Gulf Coast	OK	Coal	87.770	87.811	0.0406	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.010
Gulf Coast	OK	Coal	87.848	88.021	0.1729	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.043
Gulf Coast	OK	Coal	88.021	88.301	0.2808	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.056
Gulf Coast	OK	Coal	88.301	89.422	1.1201	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.280
Gulf Coast	OK	Coal	89.422	89.440	0.0190	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.004
Gulf Coast	OK	Coal	89.440	89.735	0.2941	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.074
Gulf Coast	OK	Coal	89.735	89.837	0.1021	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.020
Gulf Coast	OK	Coal	89.980	90.039	0.0596	OK029	Homa-Clearview complex, 3 to 5 percent slopes	25	0.015
Gulf Coast	OK	Coal	90.039	90.082	0.0423	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.011
Gulf Coast	OK	Coal	90.082	90.108	0.0269	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.005
Gulf Coast	OK	Coal	90.108	90.195	0.0867	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.022
Gulf Coast	OK	Coal	90.195	90.221	0.0259	OK029	Homa-Clearview complex, 3 to 5 percent slopes	25	0.006
Gulf Coast	OK	Coal	90.221	90.364	0.1427	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.036
Gulf Coast	OK	Coal	90.364	90.571	0.2077	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	95	0.197
Gulf Coast	OK	Coal	90.571	90.654	0.0824	OK029	Clearview fine sandy loam, 1 to 3 percent slopes	95	0.078
Gulf Coast	OK	Coal	90.654	90.671	0.0167	OK029	Homa-Clearview complex, 3 to 5 percent slopes	25	0.004
Gulf Coast	OK	Coal	90.671	90.866	0.1951	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	95	0.185
Gulf Coast	OK	Coal	90.866	90.913	0.0471	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	85	0.040
Gulf Coast	OK	Coal	90.913	91.043	0.1304	OK029	Clearview fine sandy loam, 1 to 3 percent slopes	95	0.124
Gulf Coast	OK	Coal	91.317	91.449	0.1324	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	85	0.113
Gulf Coast	OK	Coal	91.449	91.633	0.1842	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.046
Gulf Coast	OK	Coal	91.633	91.752	0.1187	OK029	Homa-Clearview complex, 3 to 5 percent slopes	25	0.030
Gulf Coast	OK	Coal	91.752	91.839	0.0875	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.022
Gulf Coast	OK	Coal	91.839	91.900	0.0601	OK029	Homa-Clearview complex, 3 to 5 percent slopes	25	0.015
Gulf Coast	OK	Coal	91.900	91.976	0.0769	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.019
Gulf Coast	OK	Coal	91.976	92.096	0.1197	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	85	0.102
Gulf Coast	OK	Coal	92.284	92.394	0.1094	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, severely eroded	95	0.104
Gulf Coast	OK	Coal	92.394	92.430	0.0361	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.009
Gulf Coast	OK	Coal	92.430	92.481	0.0514	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.010
Gulf Coast	OK	Coal	92.560	92.596	0.0366	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.007
Gulf Coast	OK	Coal	93.311	93.329	0.0184	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.004
Gulf Coast	OK	Coal	93.888	93.945	0.0572	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.011
Gulf Coast	OK	Coal	93.945	94.109	0.1634	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.041
Gulf Coast	OK	Coal	94.109	94.219	0.1101	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	95	0.105
Gulf Coast	OK	Coal	94.219	94.290	0.0709	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, severely eroded	95	0.067
Gulf Coast	OK	Coal	94.583	94.686	0.1033	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.021
Gulf Coast	OK	Coal	94.686	94.785	0.0988	OK029	Homa-Clearview complex, 3 to 5 percent slopes	25	0.025
Gulf Coast	OK	Coal	94.785	94.859	0.0737	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.015

Table K-5 Shallow Bedrock Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Shallow Bedrock (%)	Shallow Bedrock (miles)
Gulf Coast	OK	Coal	94.859	94.909	0.0505	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.013
Gulf Coast	OK	Coal	95.070	95.128	0.0572	OK029	Homa-Clearview complex, 3 to 5 percent slopes	25	0.014
Gulf Coast	OK	Coal	95.128	95.226	0.0981	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.020
Gulf Coast	OK	Coal	95.514	95.637	0.1231	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.025
Gulf Coast	OK	Coal	95.744	95.948	0.2041	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.041
Gulf Coast	OK	Coal	95.948	96.094	0.1459	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	95	0.139
Gulf Coast	OK	Coal	96.094	96.176	0.0819	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.020
Gulf Coast	OK	Coal	96.176	96.273	0.0968	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.019
Gulf Coast	OK	Coal	96.273	96.349	0.0758	OK029	Homa-Clearview complex, 3 to 5 percent slopes	25	0.019
Gulf Coast	OK	Coal	96.411	96.645	0.2348	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.047
Gulf Coast	OK	Coal	96.819	96.908	0.0897	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.018
Gulf Coast	OK	Coal	97.472	97.538	0.0657	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	85	0.056
Gulf Coast	OK	Coal	97.637	97.715	0.0783	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.020
Gulf Coast	OK	Coal	97.715	97.772	0.0568	OK029	Homa-Clearview complex, 3 to 5 percent slopes	25	0.014
Gulf Coast	OK	Coal	97.970	98.023	0.0530	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.011
Gulf Coast	OK	Coal	98.621	98.702	0.0812	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.016
Gulf Coast	OK	Coal	98.702	98.729	0.0270	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.007
Gulf Coast	OK	Coal	98.746	98.879	0.1331	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.033
Gulf Coast	OK	Coal	99.245	99.309	0.0640	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.016
Gulf Coast	OK	Coal	99.309	99.361	0.0518	OK029	Homa-Clearview complex, 3 to 5 percent slopes	25	0.013
Gulf Coast	OK	Coal	99.996	100.009	0.0131	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	95	0.012
Gulf Coast	OK	Coal	100.076	100.313	0.2371	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.059
Gulf Coast	OK	Coal	100.313	100.389	0.0765	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	95	0.073
Gulf Coast	OK	Coal	100.389	100.589	0.2000	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.050
Gulf Coast	OK	Coal	100.630	100.710	0.0803	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.020
Gulf Coast	OK	Coal	100.710	100.964	0.2537	OK029	Homa-Clearview complex, 3 to 5 percent slopes	25	0.063
Gulf Coast	OK	Coal	100.964	101.443	0.4792	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.120
Gulf Coast	OK	Coal	101.443	101.528	0.0848	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.017
Gulf Coast	OK	Coal	101.528	101.570	0.0423	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.011
Gulf Coast	OK	Coal	101.570	101.679	0.1084	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	95	0.103
Gulf Coast	OK	Coal	102.004	102.025	0.0211	OK029	Homa-Clearview complex, 3 to 5 percent slopes	25	0.005
Gulf Coast	OK	Coal	102.079	102.122	0.0429	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.011
Gulf Coast	OK	Coal	102.157	102.559	0.4012	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.100
Gulf Coast	OK	Coal	102.678	102.902	0.2238	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.056
Gulf Coast	OK	Coal	102.902	102.917	0.0146	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.003
Gulf Coast	OK	Coal	103.772	104.174	0.4028	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.081
Gulf Coast	OK	Coal	104.174	104.227	0.0522	OK029	Homa-Clearview complex, 3 to 5 percent slopes	25	0.013
Gulf Coast	OK	Coal	104.297	104.388	0.0914	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	85	0.078
Gulf Coast	OK	Coal	104.388	104.437	0.0490	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.012
Gulf Coast	OK	Coal	104.437	104.590	0.1527	OK029	Homa-Clearview complex, 3 to 5 percent slopes	25	0.038
Gulf Coast	OK	Coal	104.590	104.981	0.3911	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.098
Gulf Coast	OK	Coal	104.981	105.165	0.1837	OK029	Clearview fine sandy loam, 1 to 3 percent slopes	95	0.174
Gulf Coast	OK	Coal	105.216	105.374	0.1580	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.040
Gulf Coast	OK	Coal	105.374	105.430	0.0554	OK029	Clearview fine sandy loam, 1 to 3 percent slopes	95	0.053
Gulf Coast	OK	Coal	105.501	105.586	0.0855	OK029	Homa-Clearview complex, 3 to 5 percent slopes	25	0.021
Gulf Coast	OK	Coal	105.586	105.694	0.1083	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.027
Gulf Coast	OK	Coal	105.694	105.753	0.0581	OK029	Homa-Clearview complex, 3 to 5 percent slopes	25	0.015
Gulf Coast	OK	Coal	106.031	106.059	0.0286	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.006
Gulf Coast	OK	Coal	106.383	106.432	0.0485	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	95	0.046
Gulf Coast	OK	Coal	106.432	106.492	0.0609	OK029	Homa-Clearview complex, 3 to 5 percent slopes	25	0.015
Gulf Coast	OK	Coal	106.492	106.535	0.0423	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.011
Gulf Coast	OK	Coal	106.535	106.621	0.0861	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.017
Gulf Coast	OK	Coal	107.542	107.560	0.0178	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, severely eroded	95	0.017
Gulf Coast	OK	Coal	107.560	107.602	0.0422	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.011
Gulf Coast	OK	Coal	107.602	107.629	0.0268	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	95	0.025
Gulf Coast	OK	Coal	107.668	107.741	0.0725	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	85	0.062
Gulf Coast	OK	Coal	107.776	108.094	0.3187	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	95	0.303
Gulf Coast	OK	Coal	109.460	109.484	0.0241	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	85	0.020
Gulf Coast	OK	Coal	109.772	109.991	0.2190	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	95	0.208
Gulf Coast	OK	Coal	110.282	110.361	0.0792	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.016
Gulf Coast	OK	Coal	110.361	110.399	0.0383	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.010
Gulf Coast	OK	Coal	110.399	110.675	0.2764	OK029	Homa-Clearview complex, 3 to 5 percent slopes	25	0.069
Gulf Coast	OK	Coal	110.675	110.694	0.0183	OK029	Clearview fine sandy loam, 1 to 3 percent slopes	95	0.017
Gulf Coast	OK	Coal	110.694	110.740	0.0463	OK029	Homa-Clearview complex, 3 to 5 percent slopes	25	0.012
Gulf Coast	OK	Coal	110.740	110.776	0.0359	OK029	Homa-Hector complex, 12 to 20 percent slopes	25	0.009
Gulf Coast	OK	Coal	110.776	110.916	0.1399	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	20	0.028
Gulf Coast	OK	Atoka	131.735	132.043	0.3089	OK005	Claremore-Catoosa complex, 1 to 3 percent slopes	100	0.309
Gulf Coast	OK	Atoka	132.344	132.364	0.0203	OK005	Tarrant cobbly clay, 1 to 8 percent slopes	100	0.020
Gulf Coast	OK	Atoka	132.539	132.634	0.0955	OK005	Tarrant cobbly clay, 1 to 8 percent slopes	100	0.095
Gulf Coast	OK	Atoka	132.709	132.730	0.0212	OK005	Tarrant cobbly clay, 1 to 8 percent slopes	100	0.021
Gulf Coast	OK	Bryan	132.730	132.779	0.0487	OK013	Tarrant cobbly silty clay, 1 to 8 percent slopes	100	0.049
Gulf Coast	OK	Bryan	132.889	132.988	0.0983	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.049
Gulf Coast	OK	Bryan	132.988	133.029	0.0413	OK013	Heiden stony clay, 3 to 5 percent slopes	10	0.004
Gulf Coast	OK	Bryan	133.029	133.050	0.0208	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.010
Gulf Coast	OK	Bryan	133.050	133.116	0.0667	OK013	Heiden stony clay, 3 to 5 percent slopes	10	0.007
Gulf Coast	OK	Bryan	133.449	134.234	0.7850	OK013	Heiden stony clay, 3 to 5 percent slopes	10	0.078
Gulf Coast	OK	Bryan	134.234	134.287	0.0532	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.027
Gulf Coast	OK	Bryan	134.346	134.403	0.0571	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.029
Gulf Coast	OK	Bryan	134.403	134.630	0.2274	OK013	Heiden stony clay, 3 to 5 percent slopes	10	0.023
Gulf Coast	OK	Bryan	134.717	134.985	0.2681	OK013	Ferris clay, 1 to 5 percent slopes, eroded	10	0.027
Gulf Coast	OK	Bryan	134.985	135.035	0.0498	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.025

Table K-5 Shallow Bedrock Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Shallow Bedrock (%)	Shallow Bedrock (miles)
Gulf Coast	OK	Bryan	135.047	135.081	0.0340	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.017
Gulf Coast	OK	Bryan	135.081	135.191	0.1102	OK013	San Saba-Tarrant complex, 1 to 8 percent slopes	100	0.110
Gulf Coast	OK	Bryan	135.191	135.284	0.0935	OK013	Ferris clay, 1 to 5 percent slopes, eroded	10	0.009
Gulf Coast	OK	Bryan	135.589	136.223	0.6346	OK013	Ferris clay, 1 to 5 percent slopes, eroded	10	0.063
Gulf Coast	OK	Bryan	136.223	136.674	0.4508	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.225
Gulf Coast	OK	Bryan	136.734	136.833	0.0986	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.049
Gulf Coast	OK	Bryan	136.833	136.940	0.1073	OK013	Tarrant cobbly silty clay, 1 to 8 percent slopes	100	0.107
Gulf Coast	OK	Bryan	136.940	136.973	0.0327	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.016
Gulf Coast	OK	Bryan	136.973	137.051	0.0779	OK013	Tarrant cobbly silty clay, 1 to 8 percent slopes	100	0.078
Gulf Coast	OK	Bryan	137.197	137.328	0.1309	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.065
Gulf Coast	OK	Bryan	137.451	137.679	0.2284	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.114
Gulf Coast	OK	Bryan	137.679	137.724	0.0444	OK013	Heiden clay, 3 to 5 percent slopes	5	0.002
Gulf Coast	OK	Bryan	137.772	137.859	0.0862	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.043
Gulf Coast	OK	Bryan	137.859	137.949	0.0900	OK013	San Saba-Tarrant complex, 1 to 8 percent slopes	100	0.090
Gulf Coast	OK	Bryan	137.949	138.072	0.1231	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.062
Gulf Coast	OK	Bryan	138.072	138.156	0.0846	OK013	San Saba-Tarrant complex, 1 to 8 percent slopes	100	0.085
Gulf Coast	OK	Bryan	138.457	138.585	0.1285	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.064
Gulf Coast	OK	Bryan	138.765	138.941	0.1761	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.088
Gulf Coast	OK	Bryan	138.963	139.060	0.0969	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.048
Gulf Coast	OK	Bryan	139.312	139.377	0.0646	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.032
Gulf Coast	OK	Bryan	139.646	139.697	0.0512	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.026
Gulf Coast	OK	Bryan	142.272	142.712	0.4400	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.220
Gulf Coast	OK	Bryan	143.657	143.736	0.0786	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.039
Gulf Coast	OK	Bryan	143.921	144.011	0.0897	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	50	0.045
Gulf Coast	OK	Bryan	144.011	144.084	0.0734	OK013	Matoy silty clay loam, 1 to 3 percent slopes	95	0.070
Gulf Coast	OK	Bryan	144.176	144.379	0.2030	OK013	Heiden clay, 3 to 5 percent slopes	5	0.010
Gulf Coast	TX	Delta/Lamar	165.855	166.017	0.1620	TX614	Woodtell loam, 5 to 12 percent slopes	95	0.154
Gulf Coast	TX	Delta/Lamar	166.318	166.558	0.2399	TX614	Woodtell loam, 5 to 12 percent slopes	95	0.228
Gulf Coast	TX	Delta/Lamar	168.376	168.585	0.2094	TX614	Woodtell loam, 5 to 12 percent slopes	95	0.199
Gulf Coast	TX	Delta/Lamar	168.681	168.799	0.1173	TX614	Woodtell loam, 5 to 12 percent slopes	95	0.111
Gulf Coast	TX	Delta/Lamar	169.136	169.303	0.1669	TX614	Woodtell loam, 5 to 12 percent slopes	95	0.159
Gulf Coast	TX	Delta/Lamar	169.427	169.769	0.3415	TX614	Crockett loam, 1 to 3 percent slopes	95	0.324
Gulf Coast	TX	Delta/Lamar	170.957	171.200	0.2435	TX614	Crockett loam, 1 to 3 percent slopes	95	0.231
Gulf Coast	TX	Delta/Lamar	171.702	171.983	0.2809	TX614	Crockett loam, 1 to 3 percent slopes	95	0.267
Gulf Coast	TX	Delta/Lamar	172.356	172.488	0.1328	TX614	Crockett loam, 1 to 3 percent slopes	95	0.126
Gulf Coast	TX	Delta/Lamar	172.488	172.542	0.0531	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	44	0.023
Gulf Coast	TX	Delta/Lamar	172.633	172.857	0.2238	TX614	Crockett loam, 1 to 3 percent slopes	95	0.213
Gulf Coast	TX	Delta/Lamar	172.986	173.051	0.0654	TX614	Woodtell loam, 5 to 12 percent slopes	95	0.062
Gulf Coast	TX	Delta/Lamar	173.051	173.120	0.0684	TX614	Crockett loam, 1 to 3 percent slopes	95	0.065
Gulf Coast	TX	Delta/Lamar	173.274	173.669	0.3955	TX614	Crockett loam, 1 to 3 percent slopes	95	0.376
Gulf Coast	TX	Delta/Lamar	173.862	174.493	0.6303	TX614	Crockett loam, 1 to 3 percent slopes	95	0.599
Gulf Coast	TX	Delta/Lamar	174.520	174.520	0.0003	TX614	Crockett loam, 1 to 3 percent slopes	95	0.000
Gulf Coast	TX	Delta/Lamar	174.717	174.938	0.2206	TX614	Crockett loam, 1 to 3 percent slopes	95	0.210
Gulf Coast	TX	Delta/Lamar	174.989	175.069	0.0809	TX614	Crockett loam, 1 to 3 percent slopes	95	0.077
Gulf Coast	TX	Delta/Lamar	175.760	175.861	0.1011	TX614	Crockett loam, 1 to 3 percent slopes	95	0.096
Gulf Coast	TX	Delta/Lamar	182.939	183.017	0.0776	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	44	0.034
Gulf Coast	TX	Delta/Lamar	183.196	183.311	0.1150	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	44	0.051
Gulf Coast	TX	Delta/Lamar	183.486	183.904	0.4182	TX614	Ferris clay, 5 to 12 percent slopes, eroded	95	0.397
Gulf Coast	TX	Delta/Lamar	183.904	184.021	0.1176	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	44	0.052
Gulf Coast	TX	Delta/Lamar	184.021	184.431	0.4097	TX614	Ferris clay, 5 to 12 percent slopes, eroded	95	0.389
Gulf Coast	TX	Delta/Lamar	184.590	184.668	0.0777	TX614	Ferris clay, 5 to 12 percent slopes, eroded	95	0.074
Gulf Coast	TX	Delta/Lamar	184.668	184.780	0.1128	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	44	0.050
Gulf Coast	TX	Delta/Lamar	184.780	185.417	0.6367	TX614	Ferris clay, 5 to 12 percent slopes, eroded	95	0.605
Gulf Coast	TX	Delta/Lamar	187.623	187.978	0.3546	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	44	0.156
Gulf Coast	TX	Delta/Lamar	191.607	191.734	0.1267	TX614	Ferris clay, 5 to 12 percent slopes, eroded	95	0.120
Gulf Coast	TX	Delta/Lamar	191.831	191.904	0.0727	TX614	Ferris clay, 5 to 12 percent slopes, eroded	95	0.069
Gulf Coast	TX	Delta/Lamar	196.957	197.173	0.2157	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	44	0.095
Gulf Coast	TX	Delta/Lamar	198.449	198.581	0.1316	TX614	Crockett loam, 1 to 3 percent slopes	95	0.125
Gulf Coast	TX	Delta/Lamar	198.603	198.609	0.0068	TX614	Crockett loam, 1 to 3 percent slopes	95	0.006
Gulf Coast	TX	Delta/Lamar	199.274	199.295	0.0210	TX614	Woodtell loam, 5 to 12 percent slopes	95	0.020
Gulf Coast	TX	Delta/Lamar	200.647	200.704	0.0571	TX614	Woodtell loam, 5 to 12 percent slopes	95	0.054
Gulf Coast	TX	Delta/Lamar	200.838	200.942	0.1037	TX614	Woodtell loam, 5 to 12 percent slopes	95	0.099
Gulf Coast	TX	Hopkins	201.855	201.947	0.0914	TX610	Crockett loam, 2 to 5 percent slops, eroded	100	0.091
Gulf Coast	TX	Hopkins	202.885	202.989	0.1041	TX610	Bazette clay loam, 5 to 12 percent slopes	90	0.094
Gulf Coast	TX	Hopkins	202.989	203.267	0.2773	TX610	Woodtell loam, 2 to 5 percent slopes	100	0.277
Gulf Coast	TX	Hopkins	203.267	203.302	0.0353	TX610	Bazette clay loam, 5 to 12 percent slopes	90	0.032
Gulf Coast	TX	Hopkins	203.302	203.393	0.0905	TX610	Bazette clay loam, 3 to 5 percent slopes	100	0.091
Gulf Coast	TX	Hopkins	203.393	203.450	0.0576	TX610	Bazette clay loam, 5 to 12 percent slopes	90	0.052
Gulf Coast	TX	Hopkins	203.450	203.522	0.0715	TX610	Bazette clay loam, 3 to 5 percent slopes	100	0.072
Gulf Coast	TX	Hopkins	203.522	203.651	0.1295	TX610	Bazette clay loam, 5 to 12 percent slopes	90	0.117
Gulf Coast	TX	Hopkins	203.651	203.758	0.1067	TX610	Crockett loam, 1 to 3 percent slopes	100	0.107
Gulf Coast	TX	Hopkins	203.758	203.962	0.2043	TX610	Bazette clay loam, 5 to 12 percent slopes	90	0.184
Gulf Coast	TX	Hopkins	203.962	206.079	2.1169	TX610	Crockett loam, 1 to 3 percent slopes	100	2.117
Gulf Coast	TX	Hopkins	206.287	206.554	0.2668	TX610	Bazette clay loam, 5 to 12 percent slopes	90	0.240
Gulf Coast	TX	Hopkins	206.554	206.659	0.1056	TX610	Crockett loam, 2 to 5 percent slops, eroded	100	0.106
Gulf Coast	TX	Hopkins	206.659	206.698	0.0386	TX610	Crockett loam, 1 to 3 percent slopes	100	0.039
Gulf Coast	TX	Hopkins	206.698	206.726	0.0283	TX610	Crockett loam, 2 to 5 percent slops, eroded	100	0.028
Gulf Coast	TX	Hopkins	206.726	207.056	0.3302	TX610	Crockett loam, 3 to 5 percent slopes	100	0.330
Gulf Coast	TX	Hopkins	207.056	207.585	0.5287	TX610	Crockett loam, 1 to 3 percent slopes	100	0.529
Gulf Coast	TX	Hopkins	207.585	207.610	0.0252	TX610	Crockett loam, 3 to 5 percent slopes	100	0.025
Gulf Coast	TX	Hopkins	207.610	207.824	0.2134	TX610	Crockett loam, 1 to 3 percent slopes	100	0.213

Table K-5 Shallow Bedrock Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Shallow Bedrock (%)	Shallow Bedrock (miles)
Gulf Coast	TX	Hopkins	207.824	207.965	0.1415	TX610	Crockett loam, 2 to 5 percent slops, eroded	100	0.142
Gulf Coast	TX	Hopkins	207.965	208.095	0.1304	TX610	Crockett loam, 1 to 3 percent slopes	100	0.130
Gulf Coast	TX	Hopkins	208.095	208.205	0.1092	TX610	Crockett loam, 2 to 5 percent slops, eroded	100	0.109
Gulf Coast	TX	Hopkins	208.205	208.548	0.3428	TX610	Crockett loam, 1 to 3 percent slopes	100	0.343
Gulf Coast	TX	Hopkins	208.548	208.611	0.0635	TX610	Crockett loam, 2 to 5 percent slops, eroded	100	0.064
Gulf Coast	TX	Hopkins	208.611	208.983	0.3720	TX610	Crockett loam, 1 to 3 percent slopes	100	0.372
Gulf Coast	TX	Hopkins	208.983	209.085	0.1015	TX610	Crockett loam, 3 to 5 percent slopes	100	0.102
Gulf Coast	TX	Hopkins	209.085	209.397	0.3120	TX610	Crockett loam, 1 to 3 percent slopes	100	0.312
Gulf Coast	TX	Hopkins	209.397	209.432	0.0355	TX610	Crockett loam, 3 to 5 percent slopes	100	0.036
Gulf Coast	TX	Hopkins	209.432	209.765	0.3330	TX610	Crockett loam, 1 to 3 percent slopes	100	0.333
Gulf Coast	TX	Hopkins	209.765	209.797	0.0320	TX610	Crockett loam, 2 to 5 percent slops, eroded	100	0.032
Gulf Coast	TX	Hopkins	209.797	209.854	0.0566	TX610	Woodtell loam, 2 to 5 percent slopes	100	0.057
Gulf Coast	TX	Hopkins	209.992	210.058	0.0668	TX610	Woodtell loam, 2 to 5 percent slopes	100	0.067
Gulf Coast	TX	Hopkins	210.647	210.831	0.1848	TX610	Woodtell loam, 2 to 5 percent slopes	100	0.185
Gulf Coast	TX	Hopkins	211.300	211.451	0.1518	TX610	Woodtell loam, 5 to 12 percent slopes	90	0.137
Gulf Coast	TX	Hopkins	211.844	211.928	0.0838	TX610	Woodtell loam, 5 to 12 percent slopes	90	0.075
Gulf Coast	TX	Hopkins	211.928	212.018	0.0902	TX610	Woodtell loam, 2 to 5 percent slopes	100	0.090
Gulf Coast	TX	Hopkins	212.018	212.110	0.0925	TX610	Woodtell loam, 5 to 12 percent slopes	90	0.083
Gulf Coast	TX	Hopkins	213.500	213.628	0.1282	TX610	Woodtell loam, 5 to 12 percent slopes	90	0.115
Gulf Coast	TX	Hopkins	213.628	213.795	0.1667	TX610	Crockett loam, 2 to 5 percent slops, eroded	100	0.167
Gulf Coast	TX	Hopkins	213.852	213.935	0.0830	TX610	Crockett loam, 3 to 5 percent slopes	100	0.083
Gulf Coast	TX	Hopkins	213.935	214.961	1.0251	TX610	Crockett loam, 1 to 3 percent slopes	100	1.025
Gulf Coast	TX	Hopkins	214.961	215.022	0.0615	TX610	Crockett loam, 2 to 5 percent slops, eroded	100	0.062
Gulf Coast	TX	Hopkins	215.022	215.532	0.5104	TX610	Crockett loam, 1 to 3 percent slopes	100	0.510
Gulf Coast	TX	Hopkins	215.599	216.005	0.4058	TX610	Woodtell loam, 2 to 5 percent slopes	100	0.406
Gulf Coast	TX	Hopkins	216.260	216.371	0.1110	TX610	Crockett loam, 2 to 5 percent slops, eroded	100	0.111
Gulf Coast	TX	Hopkins	217.872	217.950	0.0774	TX610	Woodtell loam, 5 to 12 percent slopes	90	0.070
Gulf Coast	TX	Hopkins	218.139	218.194	0.0556	TX610	Woodtell loam, 5 to 12 percent slopes	90	0.050
Gulf Coast	TX	Hopkins	218.276	218.352	0.0760	TX610	Woodtell loam, 5 to 12 percent slopes	90	0.068
Gulf Coast	TX	Hopkins	218.460	218.564	0.1043	TX610	Woodtell loam, 2 to 5 percent slopes	100	0.104
Gulf Coast	TX	Hopkins	218.673	218.734	0.0613	TX610	Woodtell loam, 2 to 5 percent slopes	100	0.061
Gulf Coast	TX	Hopkins	220.202	220.315	0.1130	TX610	Woodtell loam, 2 to 5 percent slopes	100	0.113
Gulf Coast	TX	Hopkins	220.462	220.516	0.0538	TX610	Woodtell loam, 5 to 12 percent slopes	90	0.048
Gulf Coast	TX	Hopkins	220.516	220.689	0.1735	TX610	Woodtell loam, 2 to 5 percent slopes	100	0.174
Gulf Coast	TX	Hopkins	220.957	221.321	0.3639	TX610	Woodtell loam, 2 to 5 percent slopes	100	0.364
Gulf Coast	TX	Hopkins	221.368	221.790	0.4214	TX610	Woodtell loam, 2 to 5 percent slopes	100	0.421
Gulf Coast	TX	Hopkins	221.858	221.925	0.0669	TX610	Woodtell loam, 2 to 5 percent slopes	100	0.067
Gulf Coast	TX	Hopkins	222.008	222.055	0.0465	TX610	Woodtell loam, 5 to 12 percent slopes	90	0.042
Gulf Coast	TX	Franklin	222.148	222.292	0.1438	TX603	Woodtell fine sandy loam, 5 to 20 percent slopes	85	0.122
Gulf Coast	TX	Franklin	222.292	222.355	0.0633	TX603	Woodtell fine sandy loam, 2 to 5 percent slopes	90	0.057
Gulf Coast	TX	Franklin	223.118	224.481	1.3627	TX603	Woodtell fine sandy loam, 2 to 5 percent slopes	90	1.226
Gulf Coast	TX	Franklin	224.481	224.820	0.3396	TX603	Woodtell fine sandy loam, 5 to 20 percent slopes	85	0.289
Gulf Coast	TX	Franklin	224.820	224.940	0.1191	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	85	0.101
Gulf Coast	TX	Franklin	224.940	225.181	0.2419	TX603	Woodtell fine sandy loam, 2 to 5 percent slopes	90	0.218
Gulf Coast	TX	Franklin	225.181	225.254	0.0724	TX603	Kirvin very fine sandy loam, 3 to 8 percent slopes	85	0.062
Gulf Coast	TX	Franklin	225.254	225.384	0.1305	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	85	0.111
Gulf Coast	TX	Franklin	226.338	226.503	0.1644	TX603	Woodtell fine sandy loam, 5 to 20 percent slopes	85	0.140
Gulf Coast	TX	Franklin	226.826	227.141	0.3152	TX603	Woodtell fine sandy loam, 5 to 20 percent slopes	85	0.268
Gulf Coast	TX	Franklin	228.841	229.114	0.2733	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	85	0.232
Gulf Coast	TX	Franklin	229.114	229.189	0.0744	TX603	Kirvin soils, graded, 2 to 8 percent slopes	80	0.060
Gulf Coast	TX	Franklin	229.189	229.731	0.5422	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	85	0.461
Gulf Coast	TX	Franklin	230.637	230.784	0.1462	TX603	Kirvin gravelly fine sandy loam, 3 to 8 percent slopes	85	0.124
Gulf Coast	TX	Franklin	230.784	230.902	0.1187	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	85	0.101
Gulf Coast	TX	Franklin	231.086	231.132	0.0460	TX603	Kirvin soils, graded, 2 to 8 percent slopes	80	0.037
Gulf Coast	TX	Franklin	231.267	231.495	0.2288	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	85	0.194
Gulf Coast	TX	Franklin	231.664	231.953	0.2888	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	85	0.245
Gulf Coast	TX	Franklin	232.153	232.287	0.1338	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	85	0.114
Gulf Coast	TX	Franklin	232.363	232.420	0.0565	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	85	0.048
Gulf Coast	TX	Franklin	232.469	232.511	0.0412	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	85	0.035
Gulf Coast	TX	Wood	232.799	232.985	0.1857	TX499	Kirvin gravelly fine sandy loam, 3 to 8 percent slopes	80	0.149
Gulf Coast	TX	Wood	233.164	233.191	0.0266	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.021
Gulf Coast	TX	Wood	233.641	233.922	0.2810	TX499	Cuthbert gravelly fine sandy loam, 8 to 25 percent slopes	80	0.225
Gulf Coast	TX	Wood	233.994	234.062	0.0680	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.054
Gulf Coast	TX	Wood	234.390	234.500	0.1101	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.088
Gulf Coast	TX	Wood	234.500	234.570	0.0703	TX499	Kirvin very fine sandy loam, 2 to 5 percent slopes	80	0.056
Gulf Coast	TX	Wood	234.766	234.860	0.0934	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.075
Gulf Coast	TX	Wood	234.953	235.051	0.0979	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.078
Gulf Coast	TX	Wood	235.151	235.210	0.0593	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.047
Gulf Coast	TX	Wood	235.265	235.327	0.0616	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.049
Gulf Coast	TX	Wood	235.954	236.051	0.0974	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.078
Gulf Coast	TX	Wood	236.109	236.173	0.0647	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.052
Gulf Coast	TX	Wood	236.173	236.246	0.0726	TX499	Tenaha loamy fine sand, 8 to 20 percent slopes	80	0.058
Gulf Coast	TX	Wood	236.316	236.447	0.1310	TX499	Tenaha loamy fine sand, 8 to 20 percent slopes	80	0.105
Gulf Coast	TX	Wood	236.700	236.835	0.1348	TX499	Cuthbert gravelly fine sandy loam, 8 to 25 percent slopes	80	0.108
Gulf Coast	TX	Wood	237.302	237.360	0.0574	TX499	Kirvin gravelly fine sandy loam, 3 to 8 percent slopes	80	0.046
Gulf Coast	TX	Wood	237.436	237.649	0.2130	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.170
Gulf Coast	TX	Wood	237.649	237.780	0.1307	TX499	Kirvin very fine sandy loam, 2 to 5 percent slopes	80	0.105
Gulf Coast	TX	Wood	237.780	237.945	0.1656	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.132
Gulf Coast	TX	Wood	238.601	238.882	0.2812	TX499	Tenaha loamy fine sand, 8 to 20 percent slopes	80	0.225
Gulf Coast	TX	Wood	238.882	239.013	0.1308	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.105
Gulf Coast	TX	Wood	239.064	239.125	0.0612	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.049

Table K-5 Shallow Bedrock Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Shallow Bedrock (%)	Shallow Bedrock (miles)
Gulf Coast	TX	Wood	239.624	239.690	0.0665	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.053
Gulf Coast	TX	Wood	249.371	249.435	0.0639	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.051
Gulf Coast	TX	Wood	249.435	249.516	0.0804	TX499	Kirvin gravelly fine sandy loam, 3 to 8 percent slopes	80	0.064
Gulf Coast	TX	Wood	249.516	249.587	0.0717	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.057
Gulf Coast	TX	Wood	249.629	249.683	0.0543	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.043
Gulf Coast	TX	Wood	251.917	252.143	0.2257	TX499	Tenaha loamy fine sand, 8 to 20 percent slopes	80	0.181
Gulf Coast	TX	Wood	252.143	252.188	0.0458	TX499	Redsprings very gravelly fine sandy loam, 8 to 25 percent slopes	80	0.037
Gulf Coast	TX	Upshur	259.103	259.155	0.0521	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.042
Gulf Coast	TX	Upshur	259.276	259.283	0.0078	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.006
Gulf Coast	TX	Upshur	259.465	259.590	0.1259	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.101
Gulf Coast	TX	Upshur	259.647	259.699	0.0512	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.041
Gulf Coast	TX	Upshur	259.927	260.106	0.1794	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.144
Gulf Coast	TX	Upshur	260.207	260.378	0.1711	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	80	0.137
Gulf Coast	TX	Upshur	260.493	260.733	0.2397	TX608	Tenaha loamy fine sand, 8 to 20 percent slopes	85	0.204
Gulf Coast	TX	Smith	262.779	262.971	0.1925	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.154
Gulf Coast	TX	Smith	263.309	263.334	0.0251	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.020
Gulf Coast	TX	Smith	263.535	263.642	0.1064	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.085
Gulf Coast	TX	Smith	263.770	263.902	0.1324	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.106
Gulf Coast	TX	Smith	263.902	264.163	0.2604	TX423	Redsprings very gravelly sandy loam, 2 to 5 percent slopes	75	0.195
Gulf Coast	TX	Smith	264.163	264.255	0.0922	TX423	Redsprings very gravelly sandy loam, 8 to 25 percent sl opes	85	0.078
Gulf Coast	TX	Smith	264.255	264.292	0.0376	TX423	Redsprings very gravelly sandy loam, 2 to 5 percent slopes	75	0.028
Gulf Coast	TX	Smith	264.292	264.308	0.0155	TX423	Redsprings very gravelly sandy loam, 8 to 25 percent sl opes	85	0.013
Gulf Coast	TX	Smith	264.308	264.343	0.0355	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.028
Gulf Coast	TX	Smith	264.343	264.455	0.1117	TX423	Redsprings very gravelly sandy loam, 8 to 25 percent sl opes	85	0.095
Gulf Coast	TX	Smith	264.455	264.610	0.1553	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.124
Gulf Coast	TX	Smith	264.865	265.187	0.3226	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	80	0.258
Gulf Coast	TX	Smith	265.187	265.303	0.1162	TX423	Redsprings very gravelly sandy loam, 8 to 25 percent sl opes	85	0.099
Gulf Coast	TX	Smith	265.303	265.343	0.0399	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	80	0.032
Gulf Coast	TX	Smith	265.343	265.507	0.1640	TX423	Kirvin gravelly fine sandy loam, 2 to 8 percent slopes	80	0.131
Gulf Coast	TX	Smith	265.507	265.661	0.1535	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.123
Gulf Coast	TX	Smith	265.862	266.111	0.2490	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.199
Gulf Coast	TX	Smith	266.111	266.201	0.0898	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.072
Gulf Coast	TX	Smith	266.616	266.794	0.1784	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.143
Gulf Coast	TX	Smith	267.169	267.208	0.0384	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.031
Gulf Coast	TX	Smith	267.603	267.723	0.1206	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.097
Gulf Coast	TX	Smith	268.274	268.488	0.2145	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.172
Gulf Coast	TX	Smith	268.560	268.703	0.1422	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.114
Gulf Coast	TX	Smith	268.941	269.100	0.1585	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.127
Gulf Coast	TX	Smith	269.154	269.335	0.1810	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.145
Gulf Coast	TX	Smith	269.335	269.413	0.0781	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.062
Gulf Coast	TX	Smith	269.481	269.575	0.0935	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.075
Gulf Coast	TX	Smith	269.575	269.615	0.0405	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	80	0.032
Gulf Coast	TX	Smith	270.075	270.141	0.0665	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.053
Gulf Coast	TX	Smith	270.343	270.515	0.1720	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.138
Gulf Coast	TX	Smith	270.597	270.709	0.1122	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.090
Gulf Coast	TX	Smith	270.709	270.866	0.1572	TX423	Sacul very fine sandy loam, 1 to 5 percent slopes	85	0.134
Gulf Coast	TX	Smith	270.927	271.064	0.1379	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.110
Gulf Coast	TX	Smith	271.325	271.375	0.0493	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.039
Gulf Coast	TX	Smith	272.312	272.328	0.0153	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	80	0.012
Gulf Coast	TX	Smith	274.788	274.932	0.1438	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.115
Gulf Coast	TX	Smith	276.894	276.933	0.0390	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.031
Gulf Coast	TX	Smith	278.789	278.843	0.0533	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.043
Gulf Coast	TX	Smith	279.145	279.199	0.0544	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.043
Gulf Coast	TX	Smith	279.199	279.358	0.1580	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.126
Gulf Coast	TX	Smith	279.519	279.680	0.1614	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.129
Gulf Coast	TX	Smith	280.019	280.237	0.2175	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.174
Gulf Coast	TX	Smith	280.237	280.371	0.1339	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.107
Gulf Coast	TX	Smith	280.764	280.880	0.1160	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	80	0.093
Gulf Coast	TX	Smith	281.026	281.054	0.0279	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	80	0.022
Gulf Coast	TX	Smith	282.023	282.089	0.0658	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.053
Gulf Coast	TX	Smith	282.089	282.118	0.0293	TX423	Cuthbert and Redsprings soils, graded, 3 to 8 percent slopes	90	0.026
Gulf Coast	TX	Smith	282.118	282.136	0.0179	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.014
Gulf Coast	TX	Smith	282.136	282.171	0.0348	TX423	Cuthbert and Redsprings soils, graded, 3 to 8 percent slopes	90	0.031
Gulf Coast	TX	Smith	282.171	282.227	0.0561	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.045
Gulf Coast	TX	Smith	282.740	282.818	0.0781	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	80	0.062
Gulf Coast	TX	Smith	282.818	283.017	0.1988	TX423	Redsprings very gravelly sandy loam, 2 to 5 percent slopes	75	0.149
Gulf Coast	TX	Smith	283.744	283.788	0.0436	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	80	0.035
Gulf Coast	TX	Smith	283.860	283.901	0.0413	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	80	0.033
Gulf Coast	TX	Smith	284.261	284.337	0.0760	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.061
Gulf Coast	TX	Smith	285.779	285.813	0.0338	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	80	0.027
Gulf Coast	TX	Smith	285.876	285.958	0.0825	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	80	0.066
Gulf Coast	TX	Smith	286.462	286.602	0.1402	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.112
Gulf Coast	TX	Smith	286.602	286.784	0.1821	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	80	0.146
Gulf Coast	TX	Smith	286.823	287.041	0.2176	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.174
Gulf Coast	TX	Smith	287.597	287.777	0.1792	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	80	0.143
Gulf Coast	TX	Smith	288.505	288.590	0.0850	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.068
Gulf Coast	TX	Smith	288.637	288.677	0.0397	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.032
Gulf Coast	TX	Smith	288.780	288.783	0.0031	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.002
Gulf Coast	TX	Smith	288.822	288.876	0.0539	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.043
Gulf Coast	TX	Smith	288.940	289.212	0.2718	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.217
Gulf Coast	TX	Smith	289.326	289.518	0.1912	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.153

Table K-5 Shallow Bedrock Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Shallow Bedrock (%)	Shallow Bedrock (miles)
Gulf Coast	TX	Smith	289.576	289.789	0.2131	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.170
Gulf Coast	TX	Smith	289.854	289.983	0.1291	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.103
Gulf Coast	TX	Smith	289.983	290.053	0.0700	TX423	Sacul very fine sandy loam, 1 to 5 percent slopes	85	0.060
Gulf Coast	TX	Smith	290.127	290.202	0.0754	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.060
Gulf Coast	TX	Smith	290.310	290.392	0.0826	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.066
Gulf Coast	TX	Smith	290.435	290.494	0.0596	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.048
Gulf Coast	TX	Smith	290.494	290.719	0.2247	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.180
Gulf Coast	TX	Smith	290.796	290.831	0.0351	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.028
Gulf Coast	TX	Smith	290.831	290.922	0.0910	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.073
Gulf Coast	TX	Smith	290.922	290.945	0.0223	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.018
Gulf Coast	TX	Smith	290.945	291.152	0.2073	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.166
Gulf Coast	TX	Smith	291.267	291.347	0.0808	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.065
Gulf Coast	TX	Smith	291.347	291.421	0.0731	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	80	0.059
Gulf Coast	TX	Smith	291.421	291.501	0.0803	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.064
Gulf Coast	TX	Smith	292.416	292.451	0.0342	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	80	0.027
Gulf Coast	TX	Cherokee	296.460	296.503	0.0426	TX073	Woodtell fine sandy loam, gently sloping	100	0.043
Gulf Coast	TX	Cherokee	296.503	296.576	0.0738	TX073	Woodtell fine sandy loam, sloping	100	0.074
Gulf Coast	TX	Cherokee	296.686	296.800	0.1143	TX073	Woodtell fine sandy loam, sloping	100	0.114
Gulf Coast	TX	Cherokee	297.782	297.827	0.0455	TX073	Tenaha loamy fine sand, strongly sloping	80	0.036
Gulf Coast	TX	Rusk	300.058	300.790	0.7320	TX401	Keechi fine sandy loam, frequently flooded	95	0.695
Gulf Coast	TX	Rusk	301.173	301.524	0.3513	TX401	Kirvin fine sandy loam, 5 to 15 percent slopes	90	0.316
Gulf Coast	TX	Rusk	301.963	302.037	0.0743	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	92	0.068
Gulf Coast	TX	Rusk	302.223	302.343	0.1197	TX401	Sacul fine sandy loam, 1 to 3 percent slopes	92	0.110
Gulf Coast	TX	Rusk	302.369	302.474	0.1046	TX401	Kirvin fine sandy loam, 2 to 5 percent slopes	92	0.096
Gulf Coast	TX	Rusk	302.553	302.592	0.0386	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	92	0.035
Gulf Coast	TX	Rusk	302.775	302.861	0.0858	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	92	0.079
Gulf Coast	TX	Rusk	302.967	303.073	0.1064	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	92	0.098
Gulf Coast	TX	Rusk	303.166	303.209	0.0426	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	92	0.039
Gulf Coast	TX	Rusk	303.209	303.237	0.0279	TX401	Kirvin fine sandy loam, 2 to 5 percent slopes	92	0.026
Gulf Coast	TX	Rusk	303.237	303.343	0.1060	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	92	0.098
Gulf Coast	TX	Rusk	303.343	303.517	0.1740	TX401	Kirvin fine sandy loam, 2 to 5 percent slopes	92	0.160
Gulf Coast	TX	Rusk	303.686	303.962	0.2764	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	92	0.254
Gulf Coast	TX	Rusk	303.962	304.180	0.2174	TX401	Kirvin fine sandy loam, 2 to 5 percent slopes	92	0.200
Gulf Coast	TX	Rusk	304.180	304.433	0.2534	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	92	0.233
Gulf Coast	TX	Rusk	304.433	304.598	0.1646	TX401	Redsprings gravelly fine sandy loam, 15 to 40 percent slopes	97	0.160
Gulf Coast	TX	Rusk	305.023	305.539	0.5155	TX401	Redsprings gravelly fine sandy loam, 5 to 15 percent slopes	95	0.490
Gulf Coast	TX	Rusk	305.828	305.904	0.0758	TX401	Redsprings gravelly fine sandy loam, 5 to 15 percent slopes	95	0.072
Gulf Coast	TX	Rusk	305.904	306.191	0.2866	TX401	Tenaha loamy fine sand, 5 to 15 percent slopes	90	0.258
Gulf Coast	TX	Rusk	306.366	306.404	0.0373	TX401	Tenaha loamy fine sand, 5 to 15 percent slopes	90	0.034
Gulf Coast	TX	Rusk	307.056	307.170	0.1146	TX401	Tenaha loamy fine sand, 5 to 15 percent slopes	90	0.103
Gulf Coast	TX	Rusk	307.626	307.871	0.2451	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	92	0.226
Gulf Coast	TX	Rusk	307.871	308.042	0.1704	TX401	Sacul fine sandy loam, 1 to 3 percent slopes	92	0.157
Gulf Coast	TX	Rusk	308.042	308.247	0.2057	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	92	0.189
Gulf Coast	TX	Rusk	308.383	308.457	0.0747	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	92	0.069
Gulf Coast	TX	Rusk	308.675	308.743	0.0673	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	92	0.062
Gulf Coast	TX	Rusk	308.991	309.116	0.1248	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	92	0.115
Gulf Coast	TX	Rusk	309.206	309.327	0.1209	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	92	0.111
Gulf Coast	TX	Rusk	309.532	309.663	0.1309	TX401	Kirvin fine sandy loam, 5 to 15 percent slopes	90	0.118
Gulf Coast	TX	Rusk	309.736	309.829	0.0928	TX401	Kirvin fine sandy loam, 5 to 15 percent slopes	90	0.083
Gulf Coast	TX	Rusk	310.031	310.259	0.2280	TX401	Sacul fine sandy loam, 1 to 3 percent slopes	92	0.210
Gulf Coast	TX	Rusk	310.259	310.383	0.1243	TX401	Kirvin fine sandy loam, 2 to 5 percent slopes	92	0.114
Gulf Coast	TX	Rusk	310.383	310.450	0.0668	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	92	0.061
Gulf Coast	TX	Rusk	311.709	311.776	0.0673	TX401	Keechi fine sandy loam, frequently flooded	95	0.064
Gulf Coast	TX	Rusk	313.116	313.182	0.0652	TX401	Kirvin fine sandy loam, 5 to 15 percent slopes	90	0.059
Gulf Coast	TX	Rusk	313.182	313.250	0.0686	TX401	Sacul fine sandy loam, 1 to 3 percent slopes	92	0.063
Gulf Coast	TX	Rusk	313.269	313.366	0.0971	TX401	Sacul fine sandy loam, 1 to 3 percent slopes	92	0.089
Gulf Coast	TX	Rusk	313.366	313.493	0.1266	TX401	Kirvin fine sandy loam, 5 to 15 percent slopes	90	0.114
Gulf Coast	TX	Rusk	313.552	313.606	0.0545	TX401	Kirvin fine sandy loam, 2 to 5 percent slopes	92	0.050
Gulf Coast	TX	Nacogdoches	313.606	313.761	0.1543	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	75	0.116
Gulf Coast	TX	Nacogdoches	313.973	313.984	0.0115	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	75	0.009
Gulf Coast	TX	Nacogdoches	314.052	314.219	0.1671	TX347	Sacul fine sandy loam, 5 to 20 percent slopes	80	0.134
Gulf Coast	TX	Nacogdoches	314.326	314.390	0.0646	TX347	Sacul fine sandy loam, 1 to 5 percent slopes	80	0.052
Gulf Coast	TX	Nacogdoches	314.390	314.460	0.0695	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	75	0.052
Gulf Coast	TX	Nacogdoches	314.483	314.854	0.3709	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	75	0.278
Gulf Coast	TX	Nacogdoches	314.968	315.074	0.1058	TX347	Sacul fine sandy loam, 1 to 5 percent slopes	80	0.085
Gulf Coast	TX	Nacogdoches	315.140	315.318	0.1778	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	80	0.142
Gulf Coast	TX	Nacogdoches	315.318	315.340	0.0221	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	75	0.017
Gulf Coast	TX	Nacogdoches	315.340	315.357	0.0175	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	80	0.014
Gulf Coast	TX	Nacogdoches	315.386	315.436	0.0501	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	80	0.040
Gulf Coast	TX	Nacogdoches	315.594	315.661	0.0665	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	80	0.053
Gulf Coast	TX	Nacogdoches	316.051	316.093	0.0421	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	80	0.034
Gulf Coast	TX	Nacogdoches	316.093	316.101	0.0077	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	90	0.007
Gulf Coast	TX	Nacogdoches	316.279	316.422	0.1428	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	80	0.114
Gulf Coast	TX	Nacogdoches	316.422	316.492	0.0707	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	75	0.053
Gulf Coast	TX	Nacogdoches	316.492	316.525	0.0324	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	80	0.026
Gulf Coast	TX	Nacogdoches	316.525	316.558	0.0337	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	75	0.025
Gulf Coast	TX	Nacogdoches	316.558	316.574	0.0160	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	80	0.013
Gulf Coast	TX	Nacogdoches	316.574	316.606	0.0317	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	75	0.024
Gulf Coast	TX	Nacogdoches	316.606	316.672	0.0663	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	80	0.053
Gulf Coast	TX	Nacogdoches	316.742	316.796	0.0535	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	80	0.043
Gulf Coast	TX	Nacogdoches	317.273	317.336	0.0626	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	80	0.050

Table K-5 Shallow Bedrock Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Shallow Bedrock (%)	Shallow Bedrock (miles)
Gulf Coast	TX	Nacogdoches	317.382	317.476	0.0942	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	90	0.085
Gulf Coast	TX	Nacogdoches	317.588	317.705	0.1164	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	90	0.105
Gulf Coast	TX	Nacogdoches	317.784	317.963	0.1792	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	80	0.143
Gulf Coast	TX	Nacogdoches	317.963	318.012	0.0488	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	90	0.044
Gulf Coast	TX	Nacogdoches	318.056	318.634	0.5780	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	90	0.520
Gulf Coast	TX	Nacogdoches	318.713	318.859	0.1462	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	90	0.132
Gulf Coast	TX	Nacogdoches	319.212	319.272	0.0603	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	80	0.048
Gulf Coast	TX	Nacogdoches	319.319	319.361	0.0426	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	80	0.034
Gulf Coast	TX	Nacogdoches	319.361	319.428	0.0666	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	90	0.060
Gulf Coast	TX	Nacogdoches	319.589	319.710	0.1207	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	90	0.109
Gulf Coast	TX	Nacogdoches	319.834	319.957	0.1225	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	90	0.110
Gulf Coast	TX	Nacogdoches	320.099	320.266	0.1676	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	90	0.151
Gulf Coast	TX	Nacogdoches	320.266	320.397	0.1312	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	80	0.105
Gulf Coast	TX	Nacogdoches	320.489	320.600	0.1115	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	80	0.089
Gulf Coast	TX	Nacogdoches	320.753	320.874	0.1210	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	80	0.097
Gulf Coast	TX	Nacogdoches	321.735	321.786	0.0508	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	80	0.041
Gulf Coast	TX	Nacogdoches	321.786	321.866	0.0798	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	75	0.060
Gulf Coast	TX	Nacogdoches	322.544	322.867	0.3228	TX347	Alto fine sandy loam, 0 to 4 percent slopes	90	0.291
Gulf Coast	TX	Nacogdoches	323.139	323.254	0.1151	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	75	0.086
Gulf Coast	TX	Nacogdoches	327.620	328.180	0.5598	TX347	Alto fine sandy loam, 0 to 4 percent slopes	90	0.504
Gulf Coast	TX	Nacogdoches	328.180	328.558	0.3783	TX347	Alto clay loam, 0 to 1 percent slopes	90	0.340
Gulf Coast	TX	Nacogdoches	328.854	328.877	0.0230	TX347	Alto fine sandy loam, 0 to 4 percent slopes	90	0.021
Gulf Coast	TX	Nacogdoches	329.225	329.356	0.1309	TX347	Alto fine sandy loam, 0 to 4 percent slopes	90	0.118
Gulf Coast	TX	Nacogdoches	330.162	330.231	0.0687	TX347	Alto fine sandy loam, 0 to 4 percent slopes	90	0.062
Gulf Coast	TX	Nacogdoches	330.449	330.517	0.0677	TX347	Alto fine sandy loam, 0 to 4 percent slopes	90	0.061
Gulf Coast	TX	Nacogdoches	330.553	330.756	0.2032	TX347	Alto fine sandy loam, 0 to 4 percent slopes	90	0.183
Gulf Coast	TX	Nacogdoches	330.844	331.067	0.2228	TX347	Alto fine sandy loam, 0 to 4 percent slopes	90	0.201
Gulf Coast	TX	Nacogdoches	332.707	332.872	0.1649	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	80	0.132
Gulf Coast	TX	Cherokee	336.413	336.443	0.0296	TX073	Cuthbert fine sandy loam, strongly sloping	85	0.025
Gulf Coast	TX	Cherokee	336.776	336.956	0.1801	TX073	Cuthbert fine sandy loam, strongly sloping	85	0.153
Gulf Coast	TX	Cherokee	338.400	338.532	0.1318	TX073	Woodtell fine sandy loam, sloping	100	0.132
Gulf Coast	TX	Cherokee	338.541	338.546	0.0043	TX073	Woodtell fine sandy loam, sloping	100	0.004
Gulf Coast	TX	Cherokee	339.070	339.090	0.0196	TX073	Woodtell fine sandy loam, gently sloping	100	0.020
Gulf Coast	TX	Cherokee	339.090	339.442	0.3527	TX073	Woodtell fine sandy loam, sloping	100	0.353
Gulf Coast	TX	Cherokee	339.442	339.516	0.0737	TX073	Woodtell fine sandy loam, gently sloping	100	0.074
Gulf Coast	TX	Cherokee	339.676	339.739	0.0623	TX073	Woodtell fine sandy loam, sloping	100	0.062
Gulf Coast	TX	Cherokee	339.739	339.803	0.0645	TX073	Woodtell fine sandy loam, gently sloping	100	0.064
Gulf Coast	TX	Angelina	340.004	340.960	0.9555	TX005	Woodtell very fine sandy loam, 1 to 5 percent slopes	100	0.955
Gulf Coast	TX	Angelina	341.778	342.027	0.2486	TX005	Woodtell very fine sandy loam, 1 to 5 percent slopes	100	0.249
Gulf Coast	TX	Angelina	342.027	342.124	0.0977	TX005	Millboro-Boro silty clays, 6 to 9 percent slopes, PA2	90	0.088
Gulf Coast	TX	Angelina	342.124	342.214	0.0900	TX005	Woodtell very fine sandy loam, 1 to 5 percent slopes	100	0.090
Gulf Coast	TX	Angelina	342.214	342.306	0.0915	TX005	Millboro-Boro silty clays, 6 to 9 percent slopes, PA2	90	0.082
Gulf Coast	TX	Angelina	342.306	342.428	0.1228	TX005	Woodtell very fine sandy loam, 1 to 5 percent slopes	100	0.123
Gulf Coast	TX	Angelina	342.428	342.523	0.0946	TX005	Millboro-Boro silty clays, 6 to 9 percent slopes, PA2	90	0.085
Gulf Coast	TX	Angelina	342.523	342.552	0.0290	TX005	Kirvin fine sandy loam, 1 to 5 percent slopes	80	0.023
Gulf Coast	TX	Angelina	342.552	342.846	0.2938	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	80	0.235
Gulf Coast	TX	Angelina	342.846	343.396	0.5500	TX005	Kirvin fine sandy loam, 1 to 5 percent slopes	80	0.440
Gulf Coast	TX	Angelina	343.568	343.606	0.0379	TX005	Kirvin fine sandy loam, 1 to 5 percent slopes	80	0.030
Gulf Coast	TX	Angelina	343.708	343.772	0.0635	TX005	Kirvin fine sandy loam, 1 to 5 percent slopes	80	0.051
Gulf Coast	TX	Angelina	343.772	344.044	0.2722	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	80	0.218
Gulf Coast	TX	Angelina	344.256	344.298	0.0421	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	80	0.034
Gulf Coast	TX	Angelina	344.494	344.549	0.0552	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	80	0.044
Gulf Coast	TX	Angelina	344.668	344.780	0.1122	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	80	0.090
Gulf Coast	TX	Angelina	345.319	345.416	0.0969	TX005	Kirvin fine sandy loam, 1 to 5 percent slopes	80	0.078
Gulf Coast	TX	Angelina	345.416	345.553	0.1371	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	80	0.110
Gulf Coast	TX	Angelina	345.553	345.614	0.0609	TX005	Kirvin fine sandy loam, 1 to 5 percent slopes	80	0.049
Gulf Coast	TX	Angelina	345.614	345.774	0.1606	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	80	0.129
Gulf Coast	TX	Angelina	346.177	346.330	0.1529	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	80	0.122
Gulf Coast	TX	Angelina	346.544	346.673	0.1290	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	80	0.103
Gulf Coast	TX	Angelina	346.762	346.840	0.0778	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	80	0.062
Gulf Coast	TX	Angelina	348.403	348.468	0.0650	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	80	0.052
Gulf Coast	TX	Angelina	349.073	349.437	0.3640	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	80	0.291
Gulf Coast	TX	Angelina	350.186	350.550	0.3633	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	20	0.073
Gulf Coast	TX	Angelina	350.680	350.789	0.1085	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	20	0.022
Gulf Coast	TX	Angelina	350.946	351.078	0.1325	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	20	0.027
Gulf Coast	TX	Angelina	352.534	352.994	0.4607	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	20	0.092
Gulf Coast	TX	Angelina	353.120	353.276	0.1553	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	20	0.031
Gulf Coast	TX	Angelina	353.456	353.949	0.4932	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.419
Gulf Coast	TX	Angelina	353.949	354.400	0.4512	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	20	0.090
Gulf Coast	TX	Angelina	354.527	354.550	0.0235	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.020
Gulf Coast	TX	Angelina	354.550	354.646	0.0954	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	20	0.019
Gulf Coast	TX	Angelina	354.856	354.992	0.1354	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.115
Gulf Coast	TX	Angelina	355.182	355.365	0.1826	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.155
Gulf Coast	TX	Angelina	355.440	355.498	0.0575	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.049
Gulf Coast	TX	Angelina	355.529	355.656	0.1266	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.108
Gulf Coast	TX	Angelina	356.173	356.226	0.0525	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	20	0.010
Gulf Coast	TX	Angelina	356.462	356.499	0.0370	TX005	Rosenwall fine sandy loam, 1 to 5 percent slopes	20	0.007
Gulf Coast	TX	Angelina	356.499	356.677	0.1782	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.151
Gulf Coast	TX	Angelina	356.711	356.924	0.2127	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	20	0.043
Gulf Coast	TX	Angelina	357.053	357.112	0.0587	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	20	0.012
Gulf Coast	TX	Angelina	357.112	357.181	0.0690	TX005	Rosenwall fine sandy loam, 1 to 5 percent slopes	20	0.014

Table K-5 Shallow Bedrock Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Shallow Bedrock (%)	Shallow Bedrock (miles)
Gulf Coast	TX	Angelina	357.181	357.283	0.1018	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	20	0.020
Gulf Coast	TX	Angelina	357.283	357.418	0.1355	TX005	Rosenwall fine sandy loam, 1 to 5 percent slopes	20	0.027
Gulf Coast	TX	Angelina	357.553	357.618	0.0641	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	20	0.013
Gulf Coast	TX	Angelina	358.060	358.089	0.0291	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	20	0.006
Gulf Coast	TX	Angelina	358.089	358.717	0.6288	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.534
Gulf Coast	TX	Angelina	358.717	358.760	0.0429	TX005	Moswell loam, 5 to 15 percent slopes	90	0.039
Gulf Coast	TX	Angelina	358.960	359.068	0.1089	TX005	Moswell loam, 5 to 15 percent slopes	90	0.098
Gulf Coast	TX	Angelina	359.068	359.282	0.2137	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.182
Gulf Coast	TX	Angelina	361.378	361.738	0.3603	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.306
Gulf Coast	TX	Angelina	361.873	362.565	0.6923	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.588
Gulf Coast	TX	Polk	369.468	369.921	0.4525	TX617	Moswell fine sandy loam, 5 to 12 percent slopes	80	0.362
Gulf Coast	TX	Polk	369.921	370.120	0.1994	TX617	Moswell fine sandy loam, 1 to 5 percent slopes	80	0.160
Gulf Coast	TX	Polk	370.120	370.749	0.6286	TX617	Moswell fine sandy loam, 5 to 12 percent slopes	80	0.503
Gulf Coast	TX	Polk	371.434	371.722	0.2878	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	40	0.115
Gulf Coast	TX	Polk	371.926	372.089	0.1627	TX617	Moswell fine sandy loam, 5 to 12 percent slopes	80	0.130
Gulf Coast	TX	Polk	372.089	372.517	0.4277	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	40	0.171
Gulf Coast	TX	Polk	372.634	373.006	0.3717	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	40	0.149
Gulf Coast	TX	Polk	373.098	373.276	0.1778	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	40	0.071
Gulf Coast	TX	Polk	373.522	373.896	0.3749	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	40	0.150
Gulf Coast	TX	Polk	374.311	374.353	0.0418	TX617	Moswell fine sandy loam, 5 to 12 percent slopes	80	0.033
Gulf Coast	TX	Polk	375.548	376.734	1.1857	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	40	0.474
Gulf Coast	TX	Polk	383.866	384.535	0.6689	TX617	Stringtown-Bonwier association, strongly sloping	40	0.268
Gulf Coast	TX	Polk	386.844	387.142	0.2982	TX617	Stringtown-Bonwier association, strongly sloping	40	0.119
Gulf Coast	TX	Polk	388.819	389.009	0.1901	TX617	Stringtown-Bonwier association, strongly sloping	40	0.076
Gulf Coast	TX	Polk	391.790	391.848	0.0581	TX617	Stringtown-Bonwier association, strongly sloping	40	0.023
Gulf Coast	TX	Polk	391.888	392.090	0.2014	TX617	Stringtown-Bonwier association, strongly sloping	40	0.081
Gulf Coast	TX	Polk	393.290	393.434	0.1444	TX617	Stringtown-Bonwier association, strongly sloping	40	0.058
Gulf Coast	TX	Polk	393.585	393.736	0.1511	TX617	Stringtown-Bonwier association, strongly sloping	40	0.060
Gulf Coast	TX	Polk	394.547	394.601	0.0541	TX617	Stringtown-Bonwier association, strongly sloping	40	0.022
Gulf Coast	TX	Polk	400.509	401.423	0.9133	TX617	Stringtown-Bonwier association, strongly sloping	40	0.365
HOUSTON LATERAL									
No soils with shallow bedrock were identified on the Houston Lateral									

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
STEELE CITY SEGMENT									
Steele City	MT	Phillips	0.000	0.740	0.7398	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	27	0.200
Steele City	MT	Phillips	0.740	0.752	0.0127	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	10	0.001
Steele City	MT	Phillips	0.752	0.876	0.1240	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	7	0.009
Steele City	MT	Phillips	0.876	1.082	0.2054	MT641	Phillips loam, 0 to 4 percent slopes	100	0.205
Steele City	MT	Phillips	1.082	1.242	0.1599	MT641	Evanston loam, 0 to 4 percent slopes	7	0.011
Steele City	MT	Phillips	1.242	1.492	0.2502	MT641	Scobey clay loam, 0 to 4 percent slopes	6	0.015
Steele City	MT	Phillips	1.492	1.582	0.0901	MT641	Scobey-Phillips complex, 0 to 4 percent slopes	50	0.045
Steele City	MT	Phillips	1.582	1.717	0.1354	MT641	Phillips loam, 0 to 4 percent slopes	100	0.135
Steele City	MT	Phillips	1.717	2.061	0.3439	MT641	Scobey clay loam, 0 to 4 percent slopes	6	0.021
Steele City	MT	Phillips	2.061	2.275	0.2139	MT641	Scobey-Phillips complex, 0 to 4 percent slopes	50	0.107
Steele City	MT	Phillips	2.275	2.527	0.2514	MT641	Ethridge clay loam, 0 to 4 percent slopes	95	0.239
Steele City	MT	Phillips	2.527	3.740	1.2134	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	27	0.328
Steele City	MT	Phillips	3.740	3.999	0.2593	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	7	0.018
Steele City	MT	Phillips	3.999	5.949	1.9492	MT641	Phillips-Kevin, gravelly complex, 2 to 8 percent slopes	56	1.092
Steele City	MT	Phillips	5.949	6.179	0.2309	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	7	0.016
Steele City	MT	Phillips	6.179	6.465	0.2853	MT641	Scobey-Phillips complex, 0 to 4 percent slopes	50	0.143
Steele City	MT	Phillips	6.465	6.865	0.4006	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	7	0.028
Steele City	MT	Phillips	6.865	7.147	0.2821	MT641	Scobey-Phillips complex, 0 to 4 percent slopes	50	0.141
Steele City	MT	Phillips	7.147	7.761	0.6137	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	7	0.043
Steele City	MT	Phillips	7.761	7.949	0.1877	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	10	0.019
Steele City	MT	Phillips	7.949	8.074	0.1251	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	58	0.073
Steele City	MT	Phillips	8.074	8.148	0.0737	MT641	Evanston loam, 0 to 4 percent slopes	7	0.005
Steele City	MT	Phillips	8.148	8.276	0.1280	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	58	0.074
Steele City	MT	Phillips	8.276	8.364	0.0882	MT641	Evanston loam, 0 to 4 percent slopes	7	0.006
Steele City	MT	Phillips	8.364	8.606	0.2419	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	95	0.230
Steele City	MT	Phillips	8.606	9.057	0.4511	MT641	Evanston loam, 0 to 4 percent slopes	7	0.032
Steele City	MT	Phillips	9.057	9.118	0.0615	MT641	Creed-Gerdrum complex, 0 to 4 percent slopes	100	0.062
Steele City	MT	Phillips	9.118	9.278	0.1596	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	7	0.011
Steele City	MT	Phillips	9.278	9.407	0.1294	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	10	0.013
Steele City	MT	Phillips	9.407	9.778	0.3701	MT641	Kevin-Sunburst clay loams, 2 to 8 percent slopes	40	0.148
Steele City	MT	Phillips	9.778	10.033	0.2554	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	27	0.069
Steele City	MT	Phillips	10.033	10.155	0.1223	MT641	Sunburst-Bascovy-Weingart complex, 2 to 8 percent slopes	95	0.116
Steele City	MT	Phillips	10.155	10.202	0.0470	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	27	0.013
Steele City	MT	Phillips	10.202	10.409	0.2069	MT641	Sunburst-Bascovy-Weingart complex, 2 to 8 percent slopes	95	0.197
Steele City	MT	Phillips	10.409	10.419	0.0102	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	27	0.003
Steele City	MT	Phillips	10.419	10.911	0.4919	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	27	0.133
Steele City	MT	Phillips	10.911	10.975	0.0639	MT641	Bascovy-Neldore clays, 2 to 8 percent slopes	98	0.063
Steele City	MT	Phillips	10.975	11.505	0.5300	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	27	0.143
Steele City	MT	Phillips	11.505	12.044	0.5391	MT641	Neldore-Bascovy clays, 4 to 15 percent slopes	98	0.528
Steele City	MT	Phillips	12.044	12.363	0.3185	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	58	0.185
Steele City	MT	Phillips	12.363	12.480	0.1170	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	95	0.111
Steele City	MT	Phillips	12.480	13.023	0.5432	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	27	0.147
Steele City	MT	Phillips	13.023	13.109	0.0860	MT641	Neldore-Bascovy-Rock outcrop association, 8 to 60 percent slopes	75	0.065
Steele City	MT	Phillips	13.109	13.423	0.3144	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	95	0.299
Steele City	MT	Phillips	13.423	13.513	0.0893	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	58	0.052
Steele City	MT	Phillips	13.513	13.532	0.0194	MT641	Neldore-Bascovy-Rock outcrop association, 8 to 60 percent slopes	75	0.015
Steele City	MT	Phillips	13.532	13.650	0.1176	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	58	0.068
Steele City	MT	Phillips	13.650	13.815	0.1649	MT641	Neldore-Bascovy-Rock outcrop association, 8 to 60 percent slopes	75	0.124
Steele City	MT	Phillips	13.815	14.373	0.5582	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	27	0.151
Steele City	MT	Phillips	14.373	15.332	0.9597	MT641	Hillon-Kevin complex, 8 to 15 percent slopes	5	0.048
Steele City	MT	Phillips	15.332	15.427	0.0947	MT641	Bascovy-Neldore-Weingart clays, 8 to 25 percent slopes	100	0.095
Steele City	MT	Phillips	15.427	15.444	0.0166	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	58	0.010
Steele City	MT	Phillips	15.444	15.461	0.0175	MT641	Sunburst-Kevin complex, 15 to 45 percent slopes	57	0.010
Steele City	MT	Phillips	15.461	15.472	0.0108	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	58	0.006
Steele City	MT	Phillips	15.472	15.814	0.3416	MT641	Sunburst-Kevin complex, 15 to 45 percent slopes	57	0.195
Steele City	MT	Phillips	15.814	16.211	0.3973	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	27	0.107
Steele City	MT	Phillips	16.211	16.359	0.1481	MT641	Sunburst-Neldore association, 15 to 45 percent slopes	95	0.141
Steele City	MT	Phillips	16.359	16.540	0.1813	MT641	Neldore-Bascovy-Rock outcrop association, 8 to 60 percent slopes	75	0.136
Steele City	MT	Phillips	16.540	16.760	0.2200	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	27	0.059
Steele City	MT	Phillips	16.760	16.825	0.0641	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	58	0.037
Steele City	MT	Phillips	16.825	16.942	0.1176	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	5	0.006
Steele City	MT	Phillips	16.942	17.012	0.0700	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	58	0.041
Steele City	MT	Phillips	17.012	17.049	0.0373	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	5	0.002
Steele City	MT	Phillips	17.049	17.171	0.1212	MT641	Marvan-Gerdrum association, 2 to 15 percent slopes	100	0.121
Steele City	MT	Phillips	17.171	17.314	0.1431	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	5	0.007
Steele City	MT	Phillips	17.314	17.673	0.3596	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	27	0.097
Steele City	MT	Phillips	17.673	17.823	0.1498	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	5	0.007
Steele City	MT	Phillips	17.823	17.855	0.0317	MT641	Sunburst-Bascovy-Neldore complex, 8 to 35 percent slopes	93	0.029
Steele City	MT	Phillips	17.855	17.959	0.1045	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	5	0.005
Steele City	MT	Phillips	17.959	18.226	0.2662	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	10	0.027
Steele City	MT	Phillips	18.226	18.302	0.0763	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	95	0.072
Steele City	MT	Phillips	18.302	18.392	0.0900	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	10	0.009
Steele City	MT	Phillips	18.392	18.449	0.0573	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	95	0.054
Steele City	MT	Phillips	18.449	18.499	0.0503	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	10	0.005
Steele City	MT	Phillips	18.499	18.500	0.0003	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	95	0.000
Steele City	MT	Phillips	18.500	18.533	0.0335	MT641	Bascovy-Neldore clays, 2 to 8 percent slopes	98	0.033
Steele City	MT	Phillips	18.533	18.555	0.0224	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	95	0.021
Steele City	MT	Phillips	18.555	18.757	0.2012	MT641	Bascovy-Neldore clays, 2 to 8 percent slopes	98	0.197
Steele City	MT	Phillips	18.757	19.316	0.5593	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	7	0.039
Steele City	MT	Phillips	19.316	19.650	0.3344	MT641	Twilight-Cabbart-Marmarth association, 4 to 15 percent slopes	48	0.161
Steele City	MT	Phillips	19.650	19.750	0.0992	MT641	Phillips-Kevin complex, 2 to 8 percent slopes	60	0.060
Steele City	MT	Phillips	19.750	19.789	0.0397	MT641	Sunburst-Bascovy-Weingart complex, 2 to 8 percent slopes	95	0.038
Steele City	MT	Phillips	19.789	20.015	0.2256	MT641	Phillips-Kevin complex, 2 to 8 percent slopes	60	0.135
Steele City	MT	Phillips	20.015	20.257	0.2417	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	10	0.024
Steele City	MT	Phillips	20.257	20.337	0.0803	MT641	Phillips-Kevin complex, 2 to 8 percent slopes	60	0.048
Steele City	MT	Phillips	20.337	20.691	0.3546	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	7	0.025
Steele City	MT	Phillips	20.691	20.734	0.0426	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	7	0.003
Steele City	MT	Phillips	20.734	20.788	0.0542	MT641	Harlake clay, 0 to 2 percent slopes	97	0.053
Steele City	MT	Phillips	20.788	21.075	0.2865	MT641	Hillon-Kevin complex, 8 to 15 percent slopes	5	0.014
Steele City	MT	Phillips	21.075	21.283	0.2088	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	7	0.015
Steele City	MT	Phillips	21.283	21.315	0.0319	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	7	0.002
Steele City	MT	Phillips	21.315	21.433	0.1182	MT641	Havre-Harlake-Glendive complex, 0 to 2 percent slopes	8	0.009
Steele City	MT	Phillips	21.433	21.544	0.1100	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	7	0.008
Steele City	MT	Phillips	21.544	21.584	0.0409	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	7	0.003

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	MT	Phillips	21.584	21.609	0.0249	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	7	0.002
Steele City	MT	Phillips	21.609	21.782	0.1731	MT641	Hillon-Kevin complex, 8 to 15 percent slopes	5	0.009
Steele City	MT	Phillips	21.782	21.983	0.2005	MT641	Phillips-Kevin complex, 2 to 8 percent slopes	60	0.120
Steele City	MT	Phillips	21.983	22.039	0.0557	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	7	0.004
Steele City	MT	Phillips	22.039	22.881	0.8419	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	10	0.084
Steele City	MT	Phillips	22.881	22.935	0.0549	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	27	0.015
Steele City	MT	Phillips	22.935	23.912	0.9768	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	10	0.098
Steele City	MT	Phillips	23.912	23.994	0.0816	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	7	0.006
Steele City	MT	Phillips	23.994	24.491	0.4972	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	10	0.050
Steele City	MT	Phillips	24.491	25.183	0.6921	MT641	Telstad-Joplin loams, 2 to 8 percent slopes	90	0.623
Steele City	MT	Phillips	25.183	25.358	0.1748	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	7	0.012
Steele City	MT	Phillips	25.358	25.413	0.0550	MT641	Yamacall loam, 2 to 8 percent slopes	97	0.053
Steele City	MT	Phillips	25.413	25.461	0.0479	MT641	Marvan complex, 2 to 8 percent slopes	100	0.048
Steele City	MT	Phillips	25.461	25.757	0.2961	MT641	Harlake-Havre clay loams, 0 to 2 percent slopes	65	0.192
Steele City	MT	Valley	25.757	25.997	0.2404	MT105	Typic Fluvaquents, gently sloping	20	0.048
Steele City	MT	Valley	25.997	26.054	0.0566	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	85	0.048
Steele City	MT	Valley	26.054	26.116	0.0620	MT105	Sunburst clay loam, 9 to 35 percent slopes	92	0.057
Steele City	MT	Valley	26.116	27.299	1.1824	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.828
Steele City	MT	Valley	27.299	27.452	0.1539	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	46	0.071
Steele City	MT	Valley	27.452	28.218	0.7659	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.536
Steele City	MT	Valley	28.218	28.702	0.4838	MT105	Phillips loam, 0 to 5 percent slopes	97	0.469
Steele City	MT	Valley	28.702	29.079	0.3765	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.264
Steele City	MT	Valley	29.079	29.379	0.3006	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.271
Steele City	MT	Valley	29.379	29.571	0.1920	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.134
Steele City	MT	Valley	29.571	30.063	0.4913	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.442
Steele City	MT	Valley	30.063	30.378	0.3158	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.221
Steele City	MT	Valley	30.378	30.635	0.2565	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.231
Steele City	MT	Valley	30.635	30.913	0.2780	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.195
Steele City	MT	Valley	30.913	31.300	0.3875	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.349
Steele City	MT	Valley	31.300	31.822	0.5213	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.365
Steele City	MT	Valley	31.822	32.282	0.4606	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.415
Steele City	MT	Valley	32.282	32.354	0.0716	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	93	0.067
Steele City	MT	Valley	32.354	32.482	0.1278	MT105	Elloam clay loam, 1 to 5 percent slopes	100	0.128
Steele City	MT	Valley	32.482	32.649	0.1672	MT105	Elloam gravelly clay, 2 to 9 percent slopes	100	0.167
Steele City	MT	Valley	32.649	32.907	0.2581	MT105	Thebo-Lisam clays, 2 to 15 percent slopes	98	0.253
Steele City	MT	Valley	32.907	32.931	0.0239	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	93	0.022
Steele City	MT	Valley	32.931	33.038	0.1065	MT105	Elloam clay loam, 1 to 5 percent slopes	100	0.107
Steele City	MT	Valley	33.038	33.838	0.8009	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.721
Steele City	MT	Valley	33.838	33.954	0.1154	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	46	0.053
Steele City	MT	Valley	33.954	34.586	0.6321	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.569
Steele City	MT	Valley	34.586	34.635	0.0492	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	60	0.030
Steele City	MT	Valley	34.635	34.689	0.0542	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.049
Steele City	MT	Valley	34.689	35.167	0.4773	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	60	0.286
Steele City	MT	Valley	35.167	35.317	0.1500	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.135
Steele City	MT	Valley	35.317	35.433	0.1159	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	60	0.070
Steele City	MT	Valley	35.433	35.510	0.077	MT105	Phillips loam, 0 to 5 percent slopes	97	0.075
Steele City	MT	Valley	35.510	35.587	0.0779	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	85	0.066
Steele City	MT	Valley	35.587	35.855	0.2678	MT105	Phillips loam, 0 to 5 percent slopes	97	0.260
Steele City	MT	Valley	35.855	36.069	0.2133	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	93	0.198
Steele City	MT	Valley	36.069	36.263	0.1942	MT105	Marmarth-Cabbart loams, 5 to 25 percent slopes	47	0.091
Steele City	MT	Valley	36.263	36.583	0.3206	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.224
Steele City	MT	Valley	36.583	38.199	1.6161	MT105	Scobey stony clay loams, 2 to 15 percent slopes	15	0.242
Steele City	MT	Valley	38.199	38.652	0.4522	MT105	Scobey clay loam, 1 to 9 percent slopes	10	0.045
Steele City	MT	Valley	38.652	38.754	0.1019	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	85	0.087
Steele City	MT	Valley	38.754	38.850	0.0964	MT105	Scobey clay loam, 1 to 9 percent slopes	10	0.010
Steele City	MT	Valley	38.850	39.073	0.2232	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	85	0.190
Steele City	MT	Valley	39.073	39.273	0.1998	MT105	Ustic Torrifluvents, gently sloping	100	0.200
Steele City	MT	Valley	39.273	39.333	0.0602	MT105	Havre-Glendive complex	100	0.060
Steele City	MT	Valley	39.333	39.599	0.2657	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	85	0.226
Steele City	MT	Valley	39.599	40.079	0.4801	MT105	Telstad loam, 1 to 9 percent slopes	95	0.456
Steele City	MT	Valley	40.079	40.355	0.2758	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	85	0.234
Steele City	MT	Valley	40.355	40.782	0.4275	MT105	Ustic Torrifluvents, gently sloping	100	0.427
Steele City	MT	Valley	40.782	40.912	0.1293	MT105	Evanston loam, 2 to 9 percent slopes	10	0.013
Steele City	MT	Valley	40.912	41.058	0.1462	MT105	Sunburst clay loam, 9 to 35 percent slopes	92	0.135
Steele City	MT	Valley	41.058	41.092	0.0344	MT105	Lonna-Marias complex, 1 to 3 percent slopes	97	0.033
Steele City	MT	Valley	41.092	41.211	0.1182	MT105	Sunburst clay loam, 9 to 35 percent slopes	92	0.109
Steele City	MT	Valley	41.211	41.446	0.2352	MT105	Lonna-Marias complex, 1 to 3 percent slopes	97	0.228
Steele City	MT	Valley	41.446	41.508	0.0625	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	85	0.053
Steele City	MT	Valley	41.508	41.637	0.1288	MT105	Sunburst clay loam, 9 to 35 percent slopes	92	0.119
Steele City	MT	Valley	41.637	42.352	0.7147	MT105	Scobey clay loam, 1 to 9 percent slopes	10	0.071
Steele City	MT	Valley	42.352	42.437	0.0849	MT105	Sunburst clay loam, 9 to 35 percent slopes	92	0.078
Steele City	MT	Valley	42.437	42.563	0.1267	MT105	Scobey clay loam, 1 to 9 percent slopes	10	0.013
Steele City	MT	Valley	42.563	42.828	0.2643	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	46	0.122
Steele City	MT	Valley	42.828	42.975	0.1473	MT105	Evanston loam, 2 to 9 percent slopes	10	0.015
Steele City	MT	Valley	42.975	43.156	0.1812	MT105	Marmarth-Cabbart loams, 5 to 25 percent slopes	47	0.085
Steele City	MT	Valley	43.156	43.245	0.0884	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.062
Steele City	MT	Valley	43.245	43.533	0.2879	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.259
Steele City	MT	Valley	43.533	43.664	0.1313	MT105	Phillips loam, 0 to 5 percent slopes	97	0.127
Steele City	MT	Valley	43.664	44.002	0.3380	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.237
Steele City	MT	Valley	44.002	44.144	0.1416	MT105	Phillips loam, 0 to 5 percent slopes	97	0.137
Steele City	MT	Valley	44.144	44.394	0.2505	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.175
Steele City	MT	Valley	44.394	44.475	0.0804	MT105	Sunburst clay loam, 9 to 35 percent slopes	92	0.074
Steele City	MT	Valley	44.475	44.793	0.3188	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.223
Steele City	MT	Valley	44.793	44.840	0.0465	MT105	Marmarth-Cabbart loams, 5 to 25 percent slopes	47	0.022
Steele City	MT	Valley	44.840	44.912	0.0720	MT105	Ustic Torrifluvents, gently sloping	100	0.072
Steele City	MT	Valley	44.912	45.060	0.1487	MT105	Evanston loam, 2 to 9 percent slopes	10	0.015
Steele City	MT	Valley	45.060	45.197	0.1362	MT105	Marmarth-Cabbart loams, 5 to 25 percent slopes	47	0.064
Steele City	MT	Valley	45.197	45.442	0.2456	MT105	Phillips loam, 0 to 5 percent slopes	97	0.238
Steele City	MT	Valley	45.442	45.754	0.3115	MT105	Elloam clay loam, 1 to 5 percent slopes	100	0.311
Steele City	MT	Valley	45.754	45.825	0.0711	MT105	Marias clay, 1 to 9 percent slopes	100	0.071
Steele City	MT	Valley	45.825	46.136	0.3108	MT105	Thebo clay, 2 to 9 percent slopes	100	0.311
Steele City	MT	Valley	46.136	46.172	0.0358	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	100	0.036
Steele City	MT	Valley	46.172	46.305	0.1337	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	60	0.080
Steele City	MT	Valley	46.305	46.599	0.2942	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	100	0.294
Steele City	MT	Valley	46.599	46.914	0.3143	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	93	0.292

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	MT	Valley	46.914	46.927	0.0135	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	100	0.013
Steele City	MT	Valley	46.927	47.006	0.0787	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	93	0.073
Steele City	MT	Valley	47.006	47.278	0.2724	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	100	0.272
Steele City	MT	Valley	47.278	47.554	0.2758	MT105	Tinsley complex, 9 to 35 percent slopes	30	0.083
Steele City	MT	Valley	47.554	47.801	0.2473	MT105	Phillips loam, 0 to 5 percent slopes	97	0.240
Steele City	MT	Valley	47.801	47.905	0.1033	MT105	Elloam gravelly clay, 2 to 9 percent slopes	100	0.103
Steele City	MT	Valley	47.905	48.021	0.1167	MT105	Phillips loam, 0 to 5 percent slopes	97	0.113
Steele City	MT	Valley	48.021	48.484	0.4629	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	93	0.431
Steele City	MT	Valley	48.484	48.638	0.1532	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	100	0.153
Steele City	MT	Valley	48.638	48.689	0.0511	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	46	0.024
Steele City	MT	Valley	48.689	48.713	0.0242	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.022
Steele City	MT	Valley	48.713	48.767	0.0539	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	46	0.025
Steele City	MT	Valley	48.767	48.832	0.0649	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.058
Steele City	MT	Valley	48.832	48.993	0.1611	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	46	0.074
Steele City	MT	Valley	48.993	49.036	0.0427	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.038
Steele City	MT	Valley	49.036	49.108	0.0721	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	46	0.033
Steele City	MT	Valley	49.108	51.068	1.9603	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	1.764
Steele City	MT	Valley	51.068	51.207	0.1393	MT105	Absher-Vaeda complex, 1 to 5 percent slopes	100	0.139
Steele City	MT	Valley	51.207	51.478	0.2711	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	93	0.252
Steele City	MT	Valley	51.478	51.554	0.0759	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	100	0.076
Steele City	MT	Valley	51.554	51.721	0.1670	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	93	0.155
Steele City	MT	Valley	51.721	52.135	0.4134	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	100	0.413
Steele City	MT	Valley	52.135	52.273	0.1382	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	93	0.128
Steele City	MT	Valley	52.273	52.371	0.0984	MT105	Ustic Torrifluvents, gently sloping	100	0.098
Steele City	MT	Valley	52.371	52.440	0.0693	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	93	0.064
Steele City	MT	Valley	52.440	52.878	0.4378	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.394
Steele City	MT	Valley	52.878	52.947	0.0688	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	93	0.064
Steele City	MT	Valley	52.947	53.125	0.1784	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.161
Steele City	MT	Valley	53.125	53.207	0.0819	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	93	0.076
Steele City	MT	Valley	53.207	53.254	0.0470	MT105	Elloam gravelly clay, 2 to 9 percent slopes	100	0.047
Steele City	MT	Valley	53.254	53.474	0.2198	MT105	Absher-Vaeda complex, 1 to 5 percent slopes	100	0.220
Steele City	MT	Valley	53.474	53.576	0.1015	MT105	Thebo-Lisam clays, 2 to 15 percent slopes	98	0.099
Steele City	MT	Valley	53.576	54.011	0.4348	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	93	0.404
Steele City	MT	Valley	54.011	54.303	0.2929	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	100	0.293
Steele City	MT	Valley	54.303	54.745	0.4418	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.398
Steele City	MT	Valley	54.745	55.201	0.4557	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	93	0.424
Steele City	MT	Valley	55.201	55.297	0.0966	MT105	Ustic Torrifluvents, gently sloping	100	0.097
Steele City	MT	Valley	55.297	55.651	0.3538	MT105	Havre-Harlem silty clays	90	0.318
Steele City	MT	Valley	55.651	55.755	0.1039	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	93	0.097
Steele City	MT	Valley	55.755	55.828	0.0728	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.065
Steele City	MT	Valley	55.828	55.993	0.1650	MT105	Sunburst clay loam, 9 to 35 percent slopes	92	0.152
Steele City	MT	Valley	55.993	56.037	0.0439	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.039
Steele City	MT	Valley	56.037	56.137	0.0997	MT105	Sunburst clay loam, 9 to 35 percent slopes	92	0.092
Steele City	MT	Valley	56.137	56.511	0.3748	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.337
Steele City	MT	Valley	56.511	56.583	0.0721	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	93	0.067
Steele City	MT	Valley	56.583	56.835	0.2511	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.226
Steele City	MT	Valley	56.835	56.892	0.0573	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	93	0.053
Steele City	MT	Valley	56.892	57.064	0.1726	MT105	Aquic Ustifluvents, saline	100	0.173
Steele City	MT	Valley	57.064	57.205	0.1402	MT105	Elloam gravelly clay, 2 to 9 percent slopes	100	0.140
Steele City	MT	Valley	57.205	57.270	0.0653	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	60	0.039
Steele City	MT	Valley	57.270	57.337	0.0669	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	93	0.062
Steele City	MT	Valley	57.337	57.402	0.0648	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	60	0.039
Steele City	MT	Valley	57.402	57.596	0.1946	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	93	0.181
Steele City	MT	Valley	57.596	57.799	0.2026	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.182
Steele City	MT	Valley	57.799	58.380	0.5815	MT105	Elloam gravelly clay, 2 to 9 percent slopes	100	0.581
Steele City	MT	Valley	58.380	59.245	0.8647	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	100	0.865
Steele City	MT	Valley	59.245	59.359	0.1138	MT105	Ustic Torrifluvents, gently sloping	100	0.114
Steele City	MT	Valley	59.359	59.463	0.1038	MT105	Elloam gravelly clay, 2 to 9 percent slopes	100	0.104
Steele City	MT	Valley	59.463	59.629	0.1665	MT105	Elloam clay loam, 1 to 5 percent slopes	100	0.167
Steele City	MT	Valley	59.629	59.752	0.1224	MT105	Elloam gravelly clay, 2 to 9 percent slopes	100	0.122
Steele City	MT	Valley	59.752	59.925	0.1736	MT105	Aquic Ustifluvents, saline	100	0.174
Steele City	MT	Valley	60.131	61.142	1.0119	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	100	1.012
Steele City	MT	Valley	61.142	61.581	0.4384	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	46	0.202
Steele City	MT	Valley	61.581	61.725	0.1445	MT105	Ustic Torrifluvents, gently sloping	100	0.145
Steele City	MT	Valley	61.725	61.933	0.2073	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	46	0.095
Steele City	MT	Valley	61.933	63.224	1.2917	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	100	1.292
Steele City	MT	Valley	63.224	63.632	0.4072	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.285
Steele City	MT	Valley	63.632	64.157	0.5256	MT105	Phillips loam, 0 to 5 percent slopes	97	0.510
Steele City	MT	Valley	64.157	64.948	0.7912	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	100	0.791
Steele City	MT	Valley	64.948	66.849	1.9005	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	1.330
Steele City	MT	Valley	66.849	66.890	0.0415	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	46	0.019
Steele City	MT	Valley	66.890	66.978	0.0881	MT105	Ustic Torrifluvents, gently sloping	100	0.088
Steele City	MT	Valley	66.978	67.142	0.1633	MT105	Havre-Harlem silty clays	90	0.147
Steele City	MT	Valley	67.142	67.237	0.0954	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.086
Steele City	MT	Valley	67.461	67.603	0.1419	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.128
Steele City	MT	Valley	67.603	67.807	0.2038	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.143
Steele City	MT	Valley	67.807	68.031	0.2235	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	100	0.223
Steele City	MT	Valley	68.031	68.333	0.3020	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.211
Steele City	MT	Valley	68.456	68.596	0.1400	MT105	Ustic Torrifluvents, gently sloping	100	0.140
Steele City	MT	Valley	68.596	69.204	0.6079	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.426
Steele City	MT	Valley	69.245	69.439	0.1938	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.136
Steele City	MT	Valley	69.439	70.256	0.8173	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	100	0.817
Steele City	MT	Valley	70.256	70.414	0.1581	MT105	Aquic Ustifluvents, saline	100	0.158
Steele City	MT	Valley	70.414	70.478	0.0633	MT105	Havre-Rivra complex	55	0.035
Steele City	MT	Valley	70.478	70.568	0.0902	MT105	Sunburst clay loam, 9 to 35 percent slopes	92	0.083
Steele City	MT	Valley	70.568	70.784	0.2159	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.151
Steele City	MT	Valley	70.784	70.862	0.0784	MT105	Sunburst clay loam, 9 to 35 percent slopes	92	0.072
Steele City	MT	Valley	70.862	71.047	0.1854	MT105	Ustic Torrifluvents, gently sloping	100	0.185
Steele City	MT	Valley	71.047	72.909	1.8616	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	1.303
Steele City	MT	Valley	72.909	73.437	0.5281	MT105	Scobey clay loam, 1 to 9 percent slopes	10	0.053
Steele City	MT	Valley	73.437	73.535	0.0976	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.068
Steele City	MT	Valley	73.535	73.606	0.0711	MT105	Scobey clay loam, 1 to 9 percent slopes	10	0.007
Steele City	MT	Valley	73.606	75.808	2.2022	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	1.542
Steele City	MT	Valley	75.808	75.875	0.0669	MT105	Sunburst clay loam, 9 to 35 percent slopes	92	0.062
Steele City	MT	Valley	75.875	75.936	0.0613	MT105	Ustic Torrifluvents, gently sloping	100	0.061

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	MT	Valley	75.936	75.986	0.0496	MT105	Sunburst clay loam, 9 to 35 percent slopes	92	0.046
Steele City	MT	Valley	75.986	76.489	0.5028	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.352
Steele City	MT	Valley	76.489	76.514	0.0256	MT105	Sunburst clay loam, 9 to 35 percent slopes	92	0.024
Steele City	MT	Valley	76.514	77.759	1.2451	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.872
Steele City	MT	Valley	77.759	77.837	0.0780	MT105	Sunburst clay loam, 9 to 35 percent slopes	92	0.072
Steele City	MT	Valley	77.837	77.893	0.0555	MT105	Ustic Torrifluvents, gently sloping	100	0.055
Steele City	MT	Valley	77.893	77.922	0.0294	MT105	Sunburst clay loam, 9 to 35 percent slopes	92	0.027
Steele City	MT	Valley	77.922	78.056	0.1335	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.093
Steele City	MT	Valley	78.056	78.287	0.2310	MT105	Sunburst clay loam, 9 to 35 percent slopes	92	0.213
Steele City	MT	Valley	78.287	78.684	0.3974	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.278
Steele City	MT	Valley	78.684	78.856	0.1722	MT105	Nishon loam	98	0.169
Steele City	MT	Valley	78.856	79.304	0.4477	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.313
Steele City	MT	Valley	79.304	79.676	0.3716	MT105	Scobey clay loam, 1 to 9 percent slopes	10	0.037
Steele City	MT	Valley	79.676	80.784	1.1080	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	70	0.776
Steele City	MT	Valley	82.130	82.412	0.2825	MT105	Sunburst clay loam, 9 to 35 percent slopes	92	0.260
Steele City	MT	Valley	82.412	82.492	0.0798	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	90	0.072
Steele City	MT	Valley	82.492	82.710	0.2175	MT105	Havre silty clay loam	100	0.218
Steele City	MT	Valley	82.729	84.851	2.1220	MT105	Harlem clay	100	2.122
Steele City	MT	Valley	84.851	85.041	0.1902	MT105	Hillon-Telstad loams, 9 to 15 percent slopes	46	0.087
Steele City	MT	Valley	85.041	85.289	0.2479	MT105	Evanston-Lonna loams, 2 to 9 percent slopes	50	0.124
Steele City	MT	Valley	85.289	85.598	0.3094	MT105	Phillips loam, 0 to 5 percent slopes	97	0.300
Steele City	MT	Valley	85.598	85.990	0.3918	MT105	Evanston-Lonna loams, 2 to 9 percent slopes	50	0.196
Steele City	MT	Valley	85.990	86.155	0.1644	MT105	Phillips loam, 0 to 5 percent slopes	97	0.159
Steele City	MT	Valley	86.155	86.986	0.8315	MT105	Evanston-Lonna loams, 2 to 9 percent slopes	50	0.416
Steele City	MT	Valley	86.986	87.018	0.0323	MT105	Hillon loam, 15 to 35 percent slopes	11	0.004
Steele City	MT	Valley	87.018	87.568	0.5495	MT105	Havre-Harlem silty clays	90	0.495
Steele City	MT	Valley	87.568	87.956	0.3884	MT105	Havre silty clay loam	100	0.388
Steele City	MT	Valley	87.956	88.123	0.1666	MT105	Havre-Harlem silty clays	90	0.150
Steele City	MT	Valley	88.123	88.142	0.0195	MT105	Havre silty clay loam	100	0.020
Steele City	MT	Valley	88.142	88.265	0.1224	MT105	Havre-Harlem silty clays	90	0.110
Steele City	MT	Valley	88.265	88.453	0.1881	MT105	Havre silty clay loam	100	0.188
Steele City	MT	Valley	88.453	88.876	0.4228	MT105	Havre-Harlem silty clays	90	0.381
Steele City	MT	McCone	89.092	89.236	0.1445	MT055	Havre silty clay loam	100	0.144
Steele City	MT	McCone	89.236	89.403	0.1670	MT055	Glendive silty clay loam, protected	100	0.167
Steele City	MT	McCone	89.403	89.626	0.2225	MT055	Havre silty clay loam, protected	10	0.022
Steele City	MT	McCone	89.626	89.725	0.0993	MT055	Glendive silty clay loam, protected	100	0.099
Steele City	MT	McCone	89.725	89.858	0.1330	MT055	Havre silty clay loam, protected	10	0.013
Steele City	MT	McCone	89.858	90.046	0.1875	MT055	Harlem silty clay, protected	8	0.015
Steele City	MT	McCone	90.046	90.114	0.0681	MT055	Neldore-Badland-Bascovy complex, 15 to 45 percent slopes	70	0.048
Steele City	MT	McCone	90.114	90.451	0.3370	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	73	0.246
Steele City	MT	McCone	90.451	90.830	0.3797	MT055	Neldore-Yamac-Badland complex, 15 to 45 percent slopes	72	0.273
Steele City	MT	McCone	90.830	90.883	0.0524	MT055	Yamac loam, 8 to 15 percent slopes	97	0.051
Steele City	MT	McCone	90.883	90.976	0.0931	MT055	Neldore-Yamac-Badland complex, 15 to 45 percent slopes	72	0.067
Steele City	MT	McCone	90.976	91.464	0.4879	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	73	0.356
Steele City	MT	McCone	91.464	91.642	0.1782	MT055	Busby-Fleak complex, 15 to 45 percent slopes	15	0.027
Steele City	MT	McCone	91.642	91.786	0.1444	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	73	0.105
Steele City	MT	McCone	91.786	92.077	0.2907	MT055	Busby-Fleak complex, 15 to 45 percent slopes	15	0.044
Steele City	MT	McCone	92.077	92.255	0.1784	MT055	Twilight-Yetull fine sandy loams, 8 to 15 percent slopes	97	0.173
Steele City	MT	McCone	92.255	92.262	0.0066	MT055	Busby-Fleak complex, 15 to 45 percent slopes	15	0.001
Steele City	MT	McCone	92.262	92.464	0.2016	MT055	Twilight-Yetull fine sandy loams, 8 to 15 percent slopes	97	0.196
Steele City	MT	McCone	92.464	92.735	0.2713	MT055	Busby-Fleak complex, 15 to 45 percent slopes	15	0.041
Steele City	MT	McCone	92.735	92.920	0.1852	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	73	0.135
Steele City	MT	McCone	92.920	93.537	0.6164	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	36	0.222
Steele City	MT	McCone	93.537	93.572	0.0354	MT055	Aeric Fluvaquents, loamy	9	0.003
Steele City	MT	McCone	93.572	93.607	0.0352	MT055	Sunburst clay loam, 8 to 15 percent slopes	97	0.034
Steele City	MT	McCone	93.607	93.674	0.0671	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	36	0.024
Steele City	MT	McCone	93.674	93.718	0.0437	MT055	Sunburst clay loam, 8 to 15 percent slopes	97	0.042
Steele City	MT	McCone	93.718	93.796	0.0783	MT055	Sunburst clay loam, 15 to 45 percent slopes	91	0.071
Steele City	MT	McCone	93.796	94.001	0.2044	MT055	Busby-Fleak complex, 15 to 45 percent slopes	15	0.031
Steele City	MT	McCone	94.001	94.120	0.1188	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	37	0.044
Steele City	MT	McCone	94.120	94.220	0.1005	MT055	Sunburst clay loam, 8 to 15 percent slopes	97	0.097
Steele City	MT	McCone	94.220	94.236	0.0162	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	37	0.006
Steele City	MT	McCone	94.236	94.254	0.0181	MT055	Sunburst clay loam, 15 to 45 percent slopes	91	0.016
Steele City	MT	McCone	94.254	94.486	0.2320	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	37	0.086
Steele City	MT	McCone	94.486	94.684	0.1972	MT055	Sunburst clay loam, 15 to 45 percent slopes	91	0.179
Steele City	MT	McCone	94.684	94.772	0.0888	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	37	0.033
Steele City	MT	McCone	94.772	94.878	0.1059	MT055	Sunburst clay loam, 15 to 45 percent slopes	91	0.096
Steele City	MT	McCone	94.878	95.050	0.1716	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	37	0.063
Steele City	MT	McCone	95.050	95.366	0.3165	MT055	Sunburst clay loam, 15 to 45 percent slopes	91	0.288
Steele City	MT	McCone	95.366	95.613	0.2465	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	36	0.089
Steele City	MT	McCone	95.613	95.662	0.0497	MT055	Hillon loam, 8 to 15 percent slopes	13	0.006
Steele City	MT	McCone	95.662	95.793	0.1311	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	36	0.047
Steele City	MT	McCone	95.793	95.931	0.1373	MT055	Hillon loam, 8 to 15 percent slopes	13	0.018
Steele City	MT	McCone	95.931	96.048	0.1170	MT055	Busby-Fleak complex, 15 to 45 percent slopes	15	0.018
Steele City	MT	McCone	96.048	96.419	0.3708	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	36	0.133
Steele City	MT	McCone	96.419	96.554	0.1356	MT055	Busby fine sandy loam, 8 to 15 percent slopes	7	0.009
Steele City	MT	McCone	96.554	96.611	0.0571	MT055	Busby-Fleak complex, 15 to 45 percent slopes	15	0.009
Steele City	MT	McCone	96.611	96.761	0.1500	MT055	Sunburst clay loam, 15 to 45 percent slopes	91	0.137
Steele City	MT	McCone	96.761	96.887	0.1252	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	36	0.045
Steele City	MT	McCone	96.887	96.986	0.0991	MT055	Sunburst clay loam, 15 to 45 percent slopes	91	0.090
Steele City	MT	McCone	96.986	97.020	0.0349	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	37	0.013
Steele City	MT	McCone	97.020	97.297	0.2766	MT055	Sunburst clay loam, 15 to 45 percent slopes	91	0.252
Steele City	MT	McCone	97.297	97.546	0.2488	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	37	0.092
Steele City	MT	McCone	97.546	97.672	0.1265	MT055	Sunburst clay loam, 8 to 15 percent slopes	97	0.123
Steele City	MT	McCone	97.672	97.860	0.1874	MT055	Kremlin loam, 0 to 4 percent slopes	4	0.007
Steele City	MT	McCone	97.860	97.970	0.1103	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	37	0.041
Steele City	MT	McCone	97.970	98.032	0.0623	MT055	Sunburst clay loam, 2 to 8 percent slopes	97	0.060
Steele City	MT	McCone	98.032	98.107	0.0750	MT055	Yamac-Twilight complex, 2 to 8 percent slopes	90	0.067
Steele City	MT	McCone	98.107	98.239	0.1314	MT055	Yamacall loam, 4 to 8 percent slopes	15	0.020
Steele City	MT	McCone	98.239	98.295	0.0562	MT055	Busby-Fleak complex, 15 to 45 percent slopes	15	0.008
Steele City	MT	McCone	98.295	98.480	0.1852	MT055	Yamacall loam, 4 to 8 percent slopes	15	0.028
Steele City	MT	McCone	98.480	98.680	0.1995	MT055	Busby-Fleak complex, 15 to 45 percent slopes	15	0.030
Steele City	MT	McCone	98.680	98.875	0.1954	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	36	0.070
Steele City	MT	McCone	98.875	99.021	0.1460	MT055	Yamac loam, 8 to 15 percent slopes	97	0.142
Steele City	MT	McCone	99.021	99.195	0.1739	MT055	Busby-Fleak complex, 15 to 45 percent slopes	15	0.026

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	MT	McCone	99.195	99.323	0.1281	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	73	0.093
Steele City	MT	McCone	99.323	99.327	0.0038	MT055	Sunburst clay loam, 8 to 15 percent slopes	97	0.004
Steele City	MT	McCone	99.327	99.383	0.0564	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	73	0.041
Steele City	MT	McCone	99.383	99.468	0.0844	MT055	Busby-Fleak complex, 15 to 45 percent slopes	15	0.013
Steele City	MT	McCone	99.468	99.503	0.0352	MT055	Yamacall loam, 4 to 8 percent slopes	15	0.005
Steele City	MT	McCone	99.503	99.636	0.1330	MT055	Busby-Fleak complex, 15 to 45 percent slopes	15	0.020
Steele City	MT	McCone	99.636	99.690	0.0542	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	73	0.040
Steele City	MT	McCone	99.690	99.747	0.0572	MT055	Rominell loam, 0 to 8 percent slopes	96	0.055
Steele City	MT	McCone	99.747	99.965	0.2177	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	73	0.159
Steele City	MT	McCone	99.965	100.149	0.1840	MT055	Sunburst clay loam, 8 to 15 percent slopes	97	0.179
Steele City	MT	McCone	100.149	100.219	0.0704	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	38	0.027
Steele City	MT	McCone	100.219	100.265	0.0460	MT055	Kremlin loam, 0 to 4 percent slopes	4	0.002
Steele City	MT	McCone	100.265	100.308	0.0421	MT055	Sunburst clay loam, 8 to 15 percent slopes	97	0.041
Steele City	MT	McCone	100.308	100.334	0.0264	MT055	Kremlin loam, 0 to 4 percent slopes	4	0.001
Steele City	MT	McCone	100.334	100.569	0.2346	MT055	Telstad-Hillon loams, 2 to 8 percent slopes	58	0.136
Steele City	MT	McCone	100.569	100.641	0.0720	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	36	0.026
Steele City	MT	McCone	100.641	100.760	0.1192	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	37	0.044
Steele City	MT	McCone	100.760	100.863	0.1031	MT055	Telstad loam, 2 to 8 percent slopes	7	0.007
Steele City	MT	McCone	100.863	101.071	0.2086	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	37	0.077
Steele City	MT	McCone	101.071	101.252	0.1809	MT055	Gerdrum-Yawdim-Fleak complex, 8 to 45 percent slopes	46	0.083
Steele City	MT	McCone	101.252	101.293	0.0411	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	36	0.015
Steele City	MT	McCone	101.293	101.294	0.0010	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.001
Steele City	MT	McCone	101.294	101.476	0.1815	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	37	0.067
Steele City	MT	McCone	101.476	101.591	0.1153	MT055	Sunburst clay loam, 8 to 15 percent slopes	97	0.112
Steele City	MT	McCone	101.591	101.637	0.0458	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.045
Steele City	MT	McCone	101.637	101.699	0.0623	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	37	0.023
Steele City	MT	McCone	101.699	101.770	0.0708	MT055	Evanston loam, 2 to 8 percent slopes	8	0.006
Steele City	MT	McCone	101.770	101.948	0.1779	MT055	Creed-Gerdrum complex, 0 to 8 percent slopes	97	0.173
Steele City	MT	McCone	101.948	102.181	0.2327	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.230
Steele City	MT	McCone	102.181	102.252	0.0715	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	36	0.026
Steele City	MT	McCone	102.252	102.363	0.1113	MT055	Rominell loam, 0 to 8 percent slopes	96	0.107
Steele City	MT	McCone	102.363	102.410	0.0464	MT055	Chinook fine sandy loam, 0 to 4 percent slopes	10	0.005
Steele City	MT	McCone	102.410	102.460	0.0508	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	98	0.050
Steele City	MT	McCone	102.460	102.490	0.0294	MT055	Busby-Yetull fine sandy loams, 2 to 8 percent slopes	47	0.014
Steele City	MT	McCone	102.490	102.527	0.0374	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	98	0.037
Steele City	MT	McCone	102.527	102.686	0.1588	MT055	Busby-Yetull fine sandy loams, 2 to 8 percent slopes	47	0.075
Steele City	MT	McCone	102.686	102.817	0.1308	MT055	Busby fine sandy loam, 2 to 8 percent slopes	15	0.020
Steele City	MT	McCone	102.817	102.865	0.0482	MT055	Busby-Yetull fine sandy loams, 2 to 8 percent slopes	47	0.023
Steele City	MT	McCone	102.865	102.913	0.0475	MT055	Rominell loam, gullied, 0 to 8 percent slopes	93	0.044
Steele City	MT	McCone	102.913	103.105	0.1928	MT055	Busby-Yetull fine sandy loams, 2 to 8 percent slopes	47	0.091
Steele City	MT	McCone	103.105	103.150	0.0444	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	92	0.041
Steele City	MT	McCone	103.150	103.335	0.1848	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.183
Steele City	MT	McCone	103.335	103.371	0.0366	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	92	0.034
Steele City	MT	McCone	103.371	103.443	0.0719	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.071
Steele City	MT	McCone	103.443	103.835	0.3923	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	92	0.361
Steele City	MT	McCone	103.835	103.892	0.0566	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.056
Steele City	MT	McCone	103.892	104.070	0.1778	MT055	Hillon loam, 15 to 45 percent slopes	8	0.014
Steele City	MT	McCone	104.070	104.218	0.1487	MT055	Telstad-Hillon loams, 2 to 8 percent slopes	58	0.086
Steele City	MT	McCone	104.218	104.249	0.0303	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.030
Steele City	MT	McCone	104.249	104.296	0.0477	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	92	0.044
Steele City	MT	McCone	104.296	104.438	0.1414	MT055	Telstad loam, 2 to 8 percent slopes	7	0.010
Steele City	MT	McCone	104.438	104.542	0.1039	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.103
Steele City	MT	McCone	104.542	104.594	0.0522	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	38	0.020
Steele City	MT	McCone	104.594	104.708	0.1140	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.113
Steele City	MT	McCone	104.708	104.832	0.1238	MT055	Ethridge silty clay loam, 4 to 8 percent slopes	7	0.009
Steele City	MT	McCone	104.832	105.261	0.4298	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.426
Steele City	MT	McCone	105.261	105.365	0.1041	MT055	Ustic torriorthents-Ustic torrifluvents association	12	0.012
Steele City	MT	McCone	105.365	105.379	0.0138	MT055	Ethridge silty clay loam, 4 to 8 percent slopes	7	0.001
Steele City	MT	McCone	105.379	105.508	0.1285	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.127
Steele City	MT	McCone	105.508	105.518	0.0100	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	92	0.009
Steele City	MT	McCone	105.518	105.571	0.0534	MT055	Ethridge silty clay loam, 4 to 8 percent slopes	7	0.004
Steele City	MT	McCone	105.571	105.697	0.1259	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.125
Steele City	MT	McCone	105.697	105.749	0.0515	MT055	Ethridge silty clay loam, 4 to 8 percent slopes	7	0.004
Steele City	MT	McCone	105.749	105.883	0.1343	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	65	0.087
Steele City	MT	McCone	105.883	106.102	0.2190	MT055	Ethridge silty clay loam, 4 to 8 percent slopes	7	0.015
Steele City	MT	McCone	106.102	106.248	0.1459	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	65	0.095
Steele City	MT	McCone	106.248	106.486	0.2382	MT055	Yawdim-Badland-Gerdrum association	32	0.076
Steele City	MT	McCone	106.486	106.607	0.1207	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	38	0.046
Steele City	MT	McCone	106.607	106.687	0.0799	MT055	Ustic torriorthents-Ustic torrifluvents association	12	0.010
Steele City	MT	McCone	106.687	106.841	0.1538	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	36	0.055
Steele City	MT	McCone	106.841	106.889	0.0488	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.048
Steele City	MT	McCone	106.889	106.977	0.0881	MT055	Creed loam, 0 to 8 percent slopes	93	0.082
Steele City	MT	McCone	106.977	107.062	0.0842	MT055	Telstad-Hillon loams, 2 to 8 percent slopes	58	0.049
Steele City	MT	McCone	107.062	107.441	0.3794	MT055	Creed loam, 0 to 8 percent slopes	93	0.353
Steele City	MT	McCone	107.441	107.509	0.0679	MT055	Ustic torriorthents-Ustic torrifluvents association	12	0.008
Steele City	MT	McCone	107.509	107.705	0.1958	MT055	Creed loam, 0 to 8 percent slopes	93	0.182
Steele City	MT	McCone	107.705	108.220	0.5154	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.510
Steele City	MT	McCone	108.220	108.606	0.3862	MT055	Havre silt loam	10	0.039
Steele City	MT	McCone	108.606	108.665	0.0584	MT055	Yawdim-Badland-Gerdrum association	32	0.019
Steele City	MT	McCone	108.665	108.730	0.0655	MT055	Benz clay loam, 0 to 8 percent slopes	97	0.064
Steele City	MT	McCone	108.730	108.781	0.0505	MT055	Chinook fine sandy loam, 0 to 4 percent slopes	10	0.005
Steele City	MT	McCone	108.781	108.806	0.0256	MT055	Badland	15	0.004
Steele City	MT	McCone	108.806	108.906	0.0993	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	40	0.040
Steele City	MT	McCone	108.906	108.967	0.0609	MT055	Rominell loam, gullied, 0 to 8 percent slopes	93	0.057
Steele City	MT	McCone	108.967	109.075	0.1088	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	40	0.044
Steele City	MT	McCone	109.075	109.156	0.0811	MT055	Kremlin loam, 0 to 4 percent slopes	4	0.003
Steele City	MT	McCone	109.156	109.231	0.0745	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	40	0.030
Steele City	MT	McCone	109.231	109.354	0.1228	MT055	Busby-Twilight fine sandy loams, 2 to 8 percent slopes	36	0.044
Steele City	MT	McCone	109.354	109.458	0.1038	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	38	0.039
Steele City	MT	McCone	109.458	109.550	0.0921	MT055	Busby-Twilight fine sandy loams, 2 to 8 percent slopes	36	0.033
Steele City	MT	McCone	109.550	109.620	0.0703	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	40	0.028
Steele City	MT	McCone	109.620	109.785	0.1653	MT055	Busby-Twilight fine sandy loams, 2 to 8 percent slopes	36	0.060
Steele City	MT	McCone	109.785	109.826	0.0407	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	40	0.016
Steele City	MT	McCone	109.826	109.918	0.0919	MT055	Busby-Twilight fine sandy loams, 2 to 8 percent slopes	36	0.033
Steele City	MT	McCone	109.918	109.985	0.0670	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	40	0.027

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	MT	McCone	109.985	110.047	0.0618	MT055	Busby-Twilight fine sandy loams, 2 to 8 percent slopes	36	0.022
Steele City	MT	McCone	110.047	110.372	0.3251	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	38	0.124
Steele City	MT	McCone	110.372	110.506	0.1347	MT055	Glendive loam	96	0.129
Steele City	MT	McCone	110.506	110.617	0.1100	MT055	Lonna silty clay loam, 0 to 4 percent slopes	100	0.110
Steele City	MT	McCone	110.617	110.658	0.0418	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	38	0.016
Steele City	MT	McCone	110.658	110.710	0.0512	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	36	0.018
Steele City	MT	McCone	110.710	110.752	0.0429	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	38	0.016
Steele City	MT	McCone	110.752	110.803	0.0509	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	36	0.018
Steele City	MT	McCone	110.803	110.842	0.0382	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	38	0.015
Steele City	MT	McCone	110.842	110.974	0.1322	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	36	0.048
Steele City	MT	McCone	110.974	111.049	0.0747	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	38	0.028
Steele City	MT	McCone	111.049	111.156	0.1076	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	40	0.043
Steele City	MT	McCone	111.156	111.220	0.0640	MT055	Kremlin loam, 0 to 4 percent slopes	4	0.003
Steele City	MT	McCone	111.220	111.330	0.1099	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	40	0.044
Steele City	MT	McCone	111.330	111.366	0.0360	MT055	Typic Ustifluvents, saline	7	0.003
Steele City	MT	McCone	111.366	111.376	0.0098	MT055	Ustic torriorthents-Ustic torrifluvents association	12	0.001
Steele City	MT	McCone	111.376	111.415	0.0390	MT055	Yamac loam, 0 to 4 percent slopes	97	0.038
Steele City	MT	McCone	111.415	111.524	0.1088	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	92	0.100
Steele City	MT	McCone	111.524	111.567	0.0436	MT055	Rominell loam, 0 to 8 percent slopes	96	0.042
Steele City	MT	McCone	111.567	111.630	0.0627	MT055	Rominell loam, gullied, 0 to 8 percent slopes	93	0.058
Steele City	MT	McCone	111.630	111.693	0.0632	MT055	Chinook fine sandy loam, 8 to 15 percent slopes	7	0.004
Steele City	MT	McCone	111.693	111.801	0.1081	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	40	0.043
Steele City	MT	McCone	111.801	111.887	0.0858	MT055	Rominell loam, gullied, 0 to 8 percent slopes	93	0.080
Steele City	MT	McCone	111.887	111.968	0.0808	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	40	0.032
Steele City	MT	McCone	111.968	112.178	0.2101	MT055	Rominell loam, gullied, 0 to 8 percent slopes	93	0.195
Steele City	MT	McCone	112.178	112.339	0.1608	MT055	Badland	15	0.024
Steele City	MT	McCone	112.339	112.465	0.1262	MT055	Rominell loam, gullied, 0 to 8 percent slopes	93	0.117
Steele City	MT	McCone	112.465	112.508	0.0427	MT055	Busby-Fleak complex, 15 to 45 percent slopes	15	0.006
Steele City	MT	McCone	112.508	112.675	0.1669	MT055	Yawdim-Badland-Cabbart association	35	0.058
Steele City	MT	McCone	112.675	112.712	0.0377	MT055	Yamac loam, 8 to 15 percent slopes	97	0.037
Steele City	MT	McCone	112.712	112.817	0.1045	MT055	Creed loam, 0 to 8 percent slopes	93	0.097
Steele City	MT	McCone	112.817	112.887	0.0701	MT055	Yamac loam, 8 to 15 percent slopes	97	0.068
Steele City	MT	McCone	112.887	113.029	0.1419	MT055	Creed loam, 0 to 8 percent slopes	93	0.132
Steele City	MT	McCone	113.029	113.084	0.0555	MT055	Rominell-Yamac loams, 4 to 15 percent slopes	89	0.049
Steele City	MT	McCone	113.084	113.199	0.1144	MT055	Rominell loam, 0 to 8 percent slopes	96	0.110
Steele City	MT	McCone	113.199	113.290	0.0916	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	40	0.037
Steele City	MT	McCone	113.290	113.427	0.1373	MT055	Hillon loam, 15 to 45 percent slopes	8	0.011
Steele City	MT	McCone	113.427	113.678	0.2507	MT055	Hillon loam, 2 to 8 percent slopes	15	0.038
Steele City	MT	McCone	113.678	113.717	0.0387	MT055	Yamacall loam, 4 to 8 percent slopes	15	0.006
Steele City	MT	McCone	113.717	113.785	0.0679	MT055	Ustic torriorthents-Ustic torrifluvents association	12	0.008
Steele City	MT	McCone	113.785	113.895	0.1101	MT055	Twilight-Yetull fine sandy loams, 8 to 15 percent slopes	97	0.107
Steele City	MT	McCone	113.895	113.945	0.0504	MT055	Cabbart-Yawdim complex, 15 to 45 percent slopes	51	0.026
Steele City	MT	McCone	113.945	114.002	0.0566	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	92	0.052
Steele City	MT	McCone	114.002	114.043	0.0415	MT055	Cabbart-Yawdim complex, 15 to 45 percent slopes	51	0.021
Steele City	MT	McCone	114.043	114.076	0.0330	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	95	0.031
Steele City	MT	McCone	114.076	114.099	0.0227	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.022
Steele City	MT	McCone	114.099	114.152	0.0528	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	92	0.049
Steele City	MT	McCone	114.152	114.213	0.0610	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.060
Steele City	MT	McCone	114.213	114.291	0.0778	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	98	0.076
Steele City	MT	McCone	114.291	114.383	0.0921	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.091
Steele City	MT	McCone	114.383	114.795	0.4123	MT055	Chinook fine sandy loam, gullied, 2 to 8 percent slopes	11	0.045
Steele City	MT	McCone	114.795	114.883	0.0878	MT055	Yamac loam, 0 to 4 percent slopes	97	0.085
Steele City	MT	McCone	114.883	115.002	0.1193	MT055	Badland	15	0.018
Steele City	MT	McCone	115.002	115.103	0.1014	MT055	Benz clay loam, 0 to 8 percent slopes	97	0.098
Steele City	MT	McCone	115.103	115.384	0.2803	MT055	Rominell loam, 0 to 8 percent slopes	96	0.269
Steele City	MT	McCone	115.384	115.397	0.0133	MT055	Absher clay loam, 8 to 15 percent slopes	90	0.012
Steele City	MT	McCone	115.397	115.446	0.0493	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.049
Steele City	MT	McCone	115.446	115.550	0.1041	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	98	0.102
Steele City	MT	McCone	115.550	115.583	0.0327	MT055	Ustic torriorthents-Ustic torrifluvents association	12	0.004
Steele City	MT	McCone	115.583	115.629	0.0456	MT055	Hillon loam, 2 to 8 percent slopes	15	0.007
Steele City	MT	McCone	115.629	115.710	0.0809	MT055	Yawdim silty clay, 2 to 8 percent slopes	12	0.010
Steele City	MT	McCone	115.710	115.827	0.1171	MT055	Kremlin loam, 0 to 4 percent slopes	4	0.005
Steele City	MT	McCone	115.827	116.099	0.2722	MT055	Rominell loam, 0 to 8 percent slopes	96	0.261
Steele City	MT	McCone	116.099	116.257	0.1581	MT055	Yawdim-Badland-Gerdrum association	32	0.051
Steele City	MT	McCone	116.257	116.491	0.2335	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	36	0.084
Steele City	MT	McCone	116.491	116.539	0.0488	MT055	Weingart clay, 2 to 8 percent slopes	93	0.045
Steele City	MT	McCone	116.539	116.591	0.0519	MT055	Badland	15	0.008
Steele City	MT	McCone	116.591	116.624	0.0328	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	65	0.021
Steele City	MT	McCone	116.624	116.743	0.1194	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.118
Steele City	MT	McCone	116.743	116.809	0.0658	MT055	Hillon loam, 2 to 8 percent slopes	15	0.010
Steele City	MT	McCone	116.809	117.024	0.2146	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	78	0.167
Steele City	MT	McCone	117.024	117.131	0.1070	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	73	0.078
Steele City	MT	McCone	117.131	117.193	0.0622	MT055	Telstad-Hillon loams, 2 to 8 percent slopes	58	0.036
Steele City	MT	McCone	117.193	117.266	0.0729	MT055	Hillon loam, 8 to 15 percent slopes	13	0.009
Steele City	MT	McCone	117.266	117.359	0.0927	MT055	Thoeny loam, 2 to 8 percent slopes	92	0.085
Steele City	MT	McCone	117.359	117.400	0.0416	MT055	Yawdim-Kirby complex, 8 to 35 percent slopes	11	0.005
Steele City	MT	McCone	117.400	117.599	0.1991	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	92	0.183
Steele City	MT	McCone	117.599	117.636	0.0369	MT055	Telstad loam, 2 to 8 percent slopes	7	0.003
Steele City	MT	McCone	117.636	117.741	0.1049	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	65	0.068
Steele City	MT	McCone	117.741	117.783	0.0423	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	92	0.039
Steele City	MT	McCone	117.783	117.852	0.0682	MT055	Cambeth silt loam, 2 to 8 percent slopes	92	0.063
Steele City	MT	McCone	117.852	118.205	0.3537	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	92	0.325
Steele City	MT	McCone	118.205	118.286	0.0808	MT055	Gerdrum-Yawdim-Fleak complex, 8 to 45 percent slopes	46	0.037
Steele City	MT	McCone	118.286	118.396	0.1100	MT055	Typic Fluvaquents, saline	5	0.006
Steele City	MT	McCone	118.396	118.525	0.1292	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	95	0.123
Steele City	MT	McCone	118.525	118.554	0.0290	MT055	Yawdim silty clay, 2 to 8 percent slopes	12	0.003
Steele City	MT	McCone	118.554	118.578	0.0232	MT055	Typic Fluvaquents, saline	5	0.001
Steele City	MT	McCone	118.578	118.740	0.1628	MT055	Yawdim silty clay, 2 to 8 percent slopes	12	0.020
Steele City	MT	McCone	118.740	119.086	0.3453	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	92	0.318
Steele City	MT	McCone	119.086	119.158	0.0726	MT055	Ustic torriorthents-Ustic torrifluvents association	12	0.009
Steele City	MT	McCone	119.158	119.213	0.0550	MT055	Kremlin loam, 0 to 4 percent slopes	4	0.002
Steele City	MT	McCone	119.213	119.280	0.0669	MT055	Havre silt loam	10	0.007
Steele City	MT	McCone	119.280	119.393	0.1132	MT055	Weingart clay, 2 to 8 percent slopes	93	0.105
Steele City	MT	McCone	119.393	119.593	0.1998	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	40	0.080
Steele City	MT	McCone	119.593	119.635	0.0422	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	65	0.027

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	MT	McCone	119.635	119.923	0.2875	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	95	0.273
Steele City	MT	McCone	119.923	119.987	0.0639	MT055	Cabbart-Badland complex, 15 to 45 percent slopes	43	0.027
Steele City	MT	McCone	119.987	120.074	0.0869	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	78	0.068
Steele City	MT	McCone	120.074	120.145	0.0709	MT055	Cabbart-Badland complex, 15 to 45 percent slopes	43	0.030
Steele City	MT	McCone	120.145	120.187	0.0422	MT055	Busby-Fleak complex, 15 to 45 percent slopes	15	0.006
Steele City	MT	McCone	120.187	120.268	0.0809	MT055	Cabbart-Badland complex, 15 to 45 percent slopes	43	0.035
Steele City	MT	McCone	120.268	120.323	0.0554	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	78	0.043
Steele City	MT	McCone	120.323	120.448	0.1247	MT055	Rominell-Yamac loams, 4 to 15 percent slopes	89	0.111
Steele City	MT	McCone	120.448	120.576	0.1284	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	78	0.100
Steele City	MT	McCone	120.576	120.594	0.0175	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	40	0.007
Steele City	MT	McCone	120.594	120.666	0.0728	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	78	0.057
Steele City	MT	McCone	120.666	120.707	0.0402	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	95	0.038
Steele City	MT	McCone	120.707	120.785	0.0778	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.077
Steele City	MT	McCone	120.785	120.828	0.0431	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	98	0.042
Steele City	MT	McCone	120.828	120.890	0.0619	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	78	0.048
Steele City	MT	McCone	120.890	120.933	0.0436	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	98	0.043
Steele City	MT	McCone	120.933	121.064	0.1312	MT055	Creed-Gerdrum complex, 0 to 8 percent slopes	97	0.127
Steele City	MT	McCone	121.064	121.085	0.0206	MT055	Yawdim silty clay, 2 to 8 percent slopes	12	0.002
Steele City	MT	McCone	121.085	121.213	0.1280	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	38	0.049
Steele City	MT	McCone	121.213	121.319	0.1056	MT055	Ethridge silty clay loam, 0 to 4 percent slopes	7	0.007
Steele City	MT	McCone	121.319	121.425	0.1062	MT055	Floweree silt loam, 0 to 4 percent slopes	9	0.010
Steele City	MT	McCone	121.425	122.072	0.6474	MT055	Ethridge silty clay loam, 0 to 4 percent slopes	7	0.045
Steele City	MT	McCone	122.072	122.249	0.1764	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.175
Steele City	MT	McCone	122.249	122.358	0.1092	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	98	0.107
Steele City	MT	McCone	122.358	122.442	0.0839	MT055	Evanston loam, 0 to 2 percent slopes	6	0.005
Steele City	MT	McCone	122.442	122.455	0.0132	MT055	Floweree silt loam, 0 to 4 percent slopes	9	0.001
Steele City	MT	McCone	122.455	122.553	0.0979	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.097
Steele City	MT	McCone	122.553	122.656	0.1030	MT055	Rominell-Yamac loams, 4 to 15 percent slopes	89	0.092
Steele City	MT	McCone	122.656	122.711	0.0552	MT055	Floweree silt loam, 0 to 4 percent slopes	9	0.005
Steele City	MT	McCone	122.711	122.758	0.0473	MT055	Marias clay	100	0.047
Steele City	MT	McCone	122.758	122.787	0.0284	MT055	Floweree silt loam, 0 to 4 percent slopes	9	0.003
Steele City	MT	McCone	122.787	122.881	0.0941	MT055	Lonna silty clay loam, 0 to 4 percent slopes	100	0.094
Steele City	MT	McCone	122.881	122.886	0.0054	MT055	Ethridge silty clay loam, 0 to 4 percent slopes	7	0.000
Steele City	MT	McCone	122.886	122.994	0.1081	MT055	Alona silt loam, 0 to 8 percent slopes	91	0.098
Steele City	MT	McCone	122.994	123.094	0.0998	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	98	0.098
Steele City	MT	McCone	123.094	123.226	0.1316	MT055	Gerdrum clay loam, 0 to 8 percent slopes	99	0.130
Steele City	MT	McCone	123.226	123.304	0.0781	MT055	Cambeth silt loam, 2 to 8 percent slopes	92	0.072
Steele City	MT	McCone	123.304	123.575	0.2709	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	65	0.176
Steele City	MT	McCone	123.575	123.585	0.0103	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	40	0.004
Steele City	MT	McCone	123.585	123.937	0.3515	MT055	Kremlin loam, 4 to 8 percent slopes	7	0.025
Steele City	MT	McCone	123.937	124.005	0.0681	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	65	0.044
Steele City	MT	McCone	124.005	124.065	0.0603	MT055	Kremlin loam, 4 to 8 percent slopes	7	0.004
Steele City	MT	McCone	124.065	124.283	0.2180	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	65	0.142
Steele City	MT	McCone	124.283	124.428	0.1453	MT055	Floweree silt loam, 4 to 8 percent slopes	98	0.142
Steele City	MT	McCone	124.428	124.462	0.0341	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	98	0.033
Steele City	MT	McCone	124.462	124.536	0.0739	MT055	Ustic torriorthents-Ustic torrifluvents association	12	0.009
Steele City	MT	McCone	124.536	124.542	0.0062	MT055	Floweree silt loam, 0 to 4 percent slopes	9	0.001
Steele City	MT	McCone	124.542	124.720	0.1774	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	98	0.174
Steele City	MT	McCone	124.720	124.820	0.1000	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	89	0.089
Steele City	MT	McCone	124.820	124.975	0.1552	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	98	0.152
Steele City	MT	McCone	124.975	125.073	0.0981	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	89	0.087
Steele City	MT	McCone	125.073	125.409	0.3355	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	98	0.329
Steele City	MT	McCone	125.409	125.513	0.1046	MT055	Floweree silt loam, 0 to 4 percent slopes	9	0.009
Steele City	MT	McCone	125.513	125.921	0.4080	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	78	0.318
Steele City	MT	McCone	125.921	126.053	0.1312	MT055	Floweree silt loam, 0 to 4 percent slopes	9	0.012
Steele City	MT	McCone	126.053	126.132	0.0798	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	98	0.078
Steele City	MT	McCone	126.132	126.187	0.0548	MT055	Ustic torriorthents-Ustic torrifluvents association	12	0.007
Steele City	MT	McCone	126.187	126.584	0.3966	MT055	Floweree silt loam, 0 to 4 percent slopes	9	0.036
Steele City	MT	McCone	126.584	126.777	0.1933	MT055	Cabbart silt loam, 15 to 25 percent slopes	87	0.168
Steele City	MT	McCone	126.777	126.871	0.0938	MT055	Alona silt loam, 0 to 8 percent slopes	91	0.085
Steele City	MT	McCone	126.871	127.014	0.1428	MT055	Lonna silty clay loam, 0 to 4 percent slopes	100	0.143
Steele City	MT	McCone	127.014	127.094	0.0801	MT055	Cabbart silt loam, 15 to 25 percent slopes	87	0.070
Steele City	MT	McCone	127.094	127.179	0.0854	MT055	Floweree silt loam, 0 to 4 percent slopes	9	0.008
Steele City	MT	McCone	127.179	127.253	0.0734	MT055	Alona silt loam, 0 to 8 percent slopes	91	0.067
Steele City	MT	McCone	127.253	127.352	0.0989	MT055	Floweree silt loam, 0 to 4 percent slopes	9	0.009
Steele City	MT	McCone	127.352	127.402	0.0506	MT055	Alona silt loam, 0 to 8 percent slopes	91	0.046
Steele City	MT	McCone	127.402	127.493	0.0908	MT055	Floweree silt loam, 0 to 4 percent slopes	9	0.008
Steele City	MT	McCone	127.493	127.501	0.0078	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	92	0.007
Steele City	MT	McCone	127.501	127.549	0.0480	MT055	Cabbart-Badland complex, 15 to 45 percent slopes	43	0.021
Steele City	MT	McCone	127.549	127.730	0.1816	MT055	Alona silt loam, saline, 0 to 2 percent slopes	96	0.174
Steele City	MT	McCone	127.730	127.811	0.0809	MT055	Floweree silt loam, 0 to 4 percent slopes	9	0.007
Steele City	MT	McCone	127.811	127.879	0.0674	MT055	Kremlin loam, 4 to 8 percent slopes	7	0.005
Steele City	MT	McCone	127.879	128.054	0.1748	MT055	Floweree silt loam, 0 to 4 percent slopes	9	0.016
Steele City	MT	McCone	128.054	128.117	0.0631	MT055	Cambeth silt loam, 2 to 8 percent slopes	92	0.058
Steele City	MT	McCone	128.117	128.183	0.0659	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	95	0.063
Steele City	MT	McCone	128.183	128.213	0.0302	MT055	Floweree silt loam, 0 to 4 percent slopes	9	0.003
Steele City	MT	McCone	128.213	128.270	0.0572	MT055	Cabbart silt loam, 15 to 25 percent slopes	87	0.050
Steele City	MT	McCone	128.270	128.270	0.0001	MT055	Lonna silty clay loam, 0 to 4 percent slopes	100	0.000
Steele City	MT	McCone	128.270	128.451	0.1813	MT055	Busby-Fleak complex, 15 to 45 percent slopes	15	0.027
Steele City	MT	McCone	128.451	128.550	0.0989	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	95	0.094
Steele City	MT	McCone	128.550	128.727	0.1764	MT055	Alona silt loam, 0 to 8 percent slopes	91	0.161
Steele City	MT	McCone	128.727	128.837	0.1106	MT055	Cambeth silt loam, 2 to 8 percent slopes	92	0.102
Steele City	MT	McCone	128.837	128.895	0.0574	MT055	Cabbart-Kirby complex, 8 to 45 percent slopes	60	0.034
Steele City	MT	McCone	128.895	128.918	0.0234	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	89	0.021
Steele City	MT	McCone	128.918	128.957	0.0388	MT055	Cabbart-Kirby complex, 8 to 45 percent slopes	60	0.023
Steele City	MT	McCone	128.957	129.017	0.0606	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	89	0.054
Steele City	MT	McCone	129.017	129.028	0.0110	MT055	Cabbart-Kirby complex, 8 to 45 percent slopes	60	0.007
Steele City	MT	McCone	129.028	129.063	0.0343	MT055	Busby-Fleak complex, 15 to 45 percent slopes	15	0.005
Steele City	MT	McCone	129.063	129.179	0.1167	MT055	Busby fine sandy loam, 2 to 8 percent slopes	15	0.017
Steele City	MT	McCone	129.179	129.472	0.2929	MT055	Kremlin loam, 4 to 8 percent slopes	7	0.021
Steele City	MT	McCone	129.472	129.571	0.0987	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	98	0.097
Steele City	MT	McCone	129.571	129.610	0.0388	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	89	0.035
Steele City	MT	McCone	129.610	129.878	0.2679	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	98	0.263
Steele City	MT	McCone	129.878	130.119	0.2407	MT055	Cambeth silt loam, 2 to 8 percent slopes	92	0.221
Steele City	MT	McCone	130.119	130.241	0.1223	MT055	Floweree silt loam, 4 to 8 percent slopes	98	0.120

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	MT	McCone	130.241	130.296	0.0551	MT055	Yamacall loam, 4 to 8 percent slopes	15	0.008
Steele City	MT	McCone	130.296	130.469	0.1732	MT055	Floweree silt loam, 4 to 8 percent slopes	98	0.170
Steele City	MT	McCone	130.469	130.524	0.0549	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	73	0.040
Steele City	MT	McCone	130.524	130.790	0.2659	MT055	Floweree silt loam, 0 to 4 percent slopes	9	0.024
Steele City	MT	McCone	130.790	130.871	0.0815	MT055	Cabbart silt loam, 15 to 25 percent slopes	87	0.071
Steele City	MT	McCone	130.871	130.979	0.1078	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	98	0.106
Steele City	MT	McCone	130.979	131.099	0.1201	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	89	0.107
Steele City	MT	McCone	131.099	131.198	0.0987	MT055	Floweree silt loam, 0 to 4 percent slopes	9	0.009
Steele City	MT	McCone	131.198	131.255	0.0574	MT055	Cabbart silt loam, 15 to 25 percent slopes	87	0.050
Steele City	MT	McCone	131.255	131.331	0.0754	MT055	Yamacall loam, 4 to 8 percent slopes	15	0.011
Steele City	MT	McCone	131.331	131.400	0.0693	MT055	Yamac loam, 8 to 15 percent slopes	97	0.067
Steele City	MT	McCone	131.400	131.572	0.1716	MT055	Yamacall loam, 4 to 8 percent slopes	15	0.026
Steele City	MT	McCone	131.572	131.680	0.1086	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	98	0.106
Steele City	MT	McCone	131.680	131.750	0.0694	MT055	Yamacall loam, 4 to 8 percent slopes	15	0.010
Steele City	MT	McCone	131.750	131.793	0.0434	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	98	0.043
Steele City	MT	McCone	131.793	131.873	0.0800	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	61	0.049
Steele City	MT	McCone	131.873	131.942	0.0693	MT055	Shambo-Cambert loams, 2 to 8 percent slopes	46	0.032
Steele City	MT	McCone	131.942	132.044	0.1019	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	89	0.091
Steele City	MT	McCone	132.044	132.170	0.1256	MT055	Shambo-Cambert loams, 2 to 8 percent slopes	46	0.058
Steele City	MT	McCone	132.170	132.300	0.1301	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.056
Steele City	MT	McCone	132.300	132.345	0.0454	MT055	Cambert loam, 2 to 8 percent slopes	90	0.041
Steele City	MT	McCone	132.345	132.373	0.0272	MT055	Cabba loam, 15 to 25 percent slopes	88	0.024
Steele City	MT	McCone	132.373	132.477	0.1047	MT055	Cambert loam, 2 to 8 percent slopes	90	0.094
Steele City	MT	McCone	132.477	132.663	0.1853	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.080
Steele City	MT	McCone	132.663	132.756	0.0936	MT055	Cambert loam, 2 to 8 percent slopes	90	0.084
Steele City	MT	McCone	132.756	133.370	0.6140	MT055	Bryant silt loam, 0 to 4 percent slopes	6	0.037
Steele City	MT	McCone	133.370	133.531	0.1607	MT055	Cherry silt loam, 0 to 4 percent slopes	7	0.011
Steele City	MT	McCone	133.531	133.588	0.0571	MT055	Cambert loam, 2 to 8 percent slopes	90	0.051
Steele City	MT	McCone	133.588	133.713	0.1249	MT055	Bryant silt loam, 0 to 4 percent slopes	6	0.007
Steele City	MT	McCone	133.713	133.771	0.0585	MT055	Barkof silty clay, 2 to 8 percent slopes	88	0.051
Steele City	MT	McCone	133.771	134.047	0.2760	MT055	Cambert loam, 2 to 8 percent slopes	90	0.248
Steele City	MT	McCone	134.047	134.289	0.2412	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.104
Steele City	MT	McCone	134.289	134.377	0.0880	MT055	Bryant silt loam, 0 to 4 percent slopes	6	0.005
Steele City	MT	McCone	134.377	134.427	0.0501	MT055	Typic Ustorthents-Typic Ustifluvents association	5	0.003
Steele City	MT	McCone	134.427	134.673	0.2462	MT055	Cambert loam, 2 to 8 percent slopes	90	0.222
Steele City	MT	McCone	134.673	134.842	0.1688	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.073
Steele City	MT	McCone	134.842	134.963	0.1216	MT055	Cambert loam, 2 to 8 percent slopes	90	0.109
Steele City	MT	McCone	134.963	135.015	0.0521	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.022
Steele City	MT	McCone	135.015	135.097	0.0813	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	89	0.072
Steele City	MT	McCone	135.097	135.247	0.1501	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.065
Steele City	MT	McCone	135.247	135.266	0.0193	MT055	Cambert loam, 2 to 8 percent slopes	90	0.017
Steele City	MT	McCone	135.266	135.334	0.0680	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.029
Steele City	MT	McCone	135.334	135.372	0.0384	MT055	Bryant silt loam, 0 to 4 percent slopes	6	0.002
Steele City	MT	McCone	135.372	135.436	0.0635	MT055	Typic Ustorthents-Typic Ustifluvents association	5	0.003
Steele City	MT	McCone	135.436	135.726	0.2904	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.125
Steele City	MT	McCone	135.726	135.986	0.2596	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	61	0.158
Steele City	MT	McCone	135.986	136.109	0.1232	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.053
Steele City	MT	McCone	136.109	136.183	0.0739	MT055	Bryant silt loam, 0 to 4 percent slopes	6	0.004
Steele City	MT	McCone	136.183	136.225	0.0421	MT055	Cherry silt loam, 0 to 4 percent slopes	7	0.003
Steele City	MT	McCone	136.225	136.292	0.0667	MT055	Typic Ustorthents-Typic Ustifluvents association	5	0.003
Steele City	MT	McCone	136.292	136.458	0.1663	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.072
Steele City	MT	McCone	136.458	136.649	0.1912	MT055	Cambert-Barkof-Cabba complex, 4 to 15 percent slopes	90	0.172
Steele City	MT	McCone	136.649	136.817	0.1677	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.072
Steele City	MT	McCone	136.817	136.953	0.1361	MT055	Cambert-Barkof-Cabba complex, 4 to 15 percent slopes	90	0.122
Steele City	MT	McCone	136.953	137.029	0.0762	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.033
Steele City	MT	McCone	137.029	137.204	0.1752	MT055	Cambert loam, 2 to 8 percent slopes	90	0.158
Steele City	MT	McCone	137.204	137.252	0.0475	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.020
Steele City	MT	McCone	137.252	137.384	0.1323	MT055	Cambert loam, 2 to 8 percent slopes	90	0.119
Steele City	MT	McCone	137.384	137.637	0.2530	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.109
Steele City	MT	McCone	137.637	138.012	0.3750	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	61	0.229
Steele City	MT	McCone	138.012	138.155	0.1424	MT055	Cambert loam, 2 to 8 percent slopes	90	0.128
Steele City	MT	McCone	138.155	138.268	0.1137	MT055	Cherry silt loam, 0 to 4 percent slopes	7	0.008
Steele City	MT	McCone	138.268	138.354	0.0853	MT055	Typic Ustorthents-Typic Ustifluvents association	5	0.004
Steele City	MT	McCone	138.354	138.420	0.0669	MT055	Bryant silt loam, 0 to 4 percent slopes	6	0.004
Steele City	MT	McCone	138.420	138.498	0.0777	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	61	0.047
Steele City	MT	McCone	138.498	138.632	0.1339	MT055	Cherry silt loam, 0 to 4 percent slopes	7	0.009
Steele City	MT	McCone	138.632	138.705	0.0728	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	61	0.044
Steele City	MT	McCone	138.705	138.761	0.0565	MT055	Shambo loam, 0 to 4 percent slopes	2	0.001
Steele City	MT	McCone	138.761	138.796	0.0349	MT055	Cherry silt loam, 0 to 4 percent slopes	7	0.002
Steele City	MT	McCone	138.796	138.852	0.0559	MT055	Typic Ustorthents-Typic Ustifluvents association	5	0.003
Steele City	MT	McCone	138.852	138.869	0.0166	MT055	Cherry silt loam, 0 to 4 percent slopes	7	0.001
Steele City	MT	McCone	138.869	139.061	0.1921	MT055	Cambert loam, 2 to 8 percent slopes	90	0.173
Steele City	MT	McCone	139.061	139.215	0.1543	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	89	0.137
Steele City	MT	McCone	139.215	139.302	0.0875	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.038
Steele City	MT	McCone	139.302	139.356	0.0535	MT055	Bryant silt loam, 0 to 4 percent slopes	6	0.003
Steele City	MT	McCone	139.356	139.404	0.0476	MT055	Typic Ustorthents-Typic Ustifluvents association	5	0.002
Steele City	MT	McCone	139.404	139.554	0.1503	MT055	Cambert loam, 2 to 8 percent slopes	90	0.135
Steele City	MT	McCone	139.554	139.663	0.1095	MT055	Dast-Blanchard complex, 2 to 8 percent slopes	3	0.003
Steele City	MT	McCone	139.663	139.711	0.0478	MT055	Dast fine sandy loam, 8 to 15 percent slopes	2	0.001
Steele City	MT	McCone	139.711	139.759	0.0476	MT055	Bryant silt loam, 0 to 4 percent slopes	6	0.003
Steele City	MT	McCone	139.759	139.873	0.1138	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	89	0.101
Steele City	MT	McCone	139.873	139.948	0.0753	MT055	Bryant silt loam, 0 to 4 percent slopes	6	0.005
Steele City	MT	McCone	139.948	140.053	0.1050	MT055	Cambert loam, 2 to 8 percent slopes	90	0.095
Steele City	MT	McCone	140.053	140.234	0.1815	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	61	0.111
Steele City	MT	McCone	140.234	140.346	0.1113	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.048
Steele City	MT	McCone	140.346	140.377	0.0316	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	89	0.028
Steele City	MT	McCone	140.377	140.407	0.0299	MT055	Cambert loam, 2 to 8 percent slopes	90	0.027
Steele City	MT	McCone	140.407	140.431	0.0236	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.010
Steele City	MT	McCone	140.431	140.478	0.0471	MT055	Cambert loam, 2 to 8 percent slopes	90	0.042
Steele City	MT	McCone	140.478	140.600	0.1219	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	89	0.108
Steele City	MT	McCone	140.600	140.728	0.1279	MT055	Cambert loam, 2 to 8 percent slopes	90	0.115
Steele City	MT	McCone	140.728	140.899	0.1710	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	61	0.104
Steele City	MT	McCone	140.899	141.007	0.1080	MT055	Cambert loam, 2 to 8 percent slopes	90	0.097
Steele City	MT	McCone	141.007	141.284	0.2772	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	89	0.247
Steele City	MT	McCone	141.284	141.309	0.025	MT055	Cambert loam, 2 to 8 percent slopes	90	0.022

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	MT	McCone	141.309	141.490	0.182	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	89	0.162
Steele City	MT	McCone	141.490	142.206	0.716	MT055	Cambert loam, 2 to 8 percent slopes	90	0.644
Steele City	MT	McCone	142.206	142.363	0.157	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.068
Steele City	MT	McCone	142.363	142.417	0.054	MT055	Cambert loam, 2 to 8 percent slopes	90	0.049
Steele City	MT	McCone	142.417	142.473	0.056	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.024
Steele City	MT	McCone	142.473	142.829	0.356	MT055	Cambert loam, 2 to 8 percent slopes	90	0.320
Steele City	MT	McCone	142.829	142.894	0.065	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	89	0.058
Steele City	MT	McCone	142.894	142.941	0.046	MT055	Cambert loam, 2 to 8 percent slopes	90	0.042
Steele City	MT	McCone	142.941	143.026	0.086	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	89	0.076
Steele City	MT	McCone	143.026	143.442	0.416	MT055	Cambert loam, 2 to 8 percent slopes	90	0.374
Steele City	MT	McCone	143.442	143.537	0.095	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	89	0.085
Steele City	MT	McCone	143.537	143.723	0.185	MT055	Cambert loam, 2 to 8 percent slopes	90	0.167
Steele City	MT	McCone	143.723	143.889	0.166	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.071
Steele City	MT	McCone	143.889	144.112	0.224	MT055	Cambert loam, 2 to 8 percent slopes	90	0.201
Steele City	MT	McCone	144.112	144.372	0.260	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.112
Steele City	MT	McCone	144.372	144.406	0.033	MT055	Cherry silt loam, 0 to 4 percent slopes	7	0.002
Steele City	MT	McCone	144.406	144.464	0.058	MT055	Cambert loam, 2 to 8 percent slopes	90	0.052
Steele City	MT	McCone	144.464	144.540	0.076	MT055	Cherry silt loam, 0 to 4 percent slopes	7	0.005
Steele City	MT	McCone	144.540	144.685	0.145	MT055	Cambert loam, 2 to 8 percent slopes	90	0.130
Steele City	MT	McCone	144.685	144.759	0.074	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	6	0.004
Steele City	MT	McCone	144.759	144.975	0.216	MT055	Cherry silt loam, 0 to 4 percent slopes	7	0.015
Steele City	MT	McCone	144.975	145.049	0.073	MT055	Cambert loam, 2 to 8 percent slopes	90	0.066
Steele City	MT	McCone	145.049	145.062	0.013	MT055	Cherry silt loam, 0 to 4 percent slopes	7	0.001
Steele City	MT	McCone	145.062	145.192	0.130	MT055	Cambert loam, 2 to 8 percent slopes	90	0.117
Steele City	MT	McCone	145.192	145.430	0.238	MT055	Cherry silt loam, 0 to 4 percent slopes	7	0.017
Steele City	MT	McCone	145.430	145.582	0.152	MT055	Cambert loam, 2 to 8 percent slopes	90	0.137
Steele City	MT	McCone	145.582	145.677	0.095	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	44	0.042
Steele City	MT	McCone	145.677	145.825	0.148	MT055	Cambert loam, 2 to 8 percent slopes	90	0.134
Steele City	MT	McCone	145.825	146.020	0.195	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	44	0.086
Steele City	MT	McCone	146.020	146.144	0.124	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	89	0.110
Steele City	MT	McCone	146.144	146.208	0.063	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	6	0.004
Steele City	MT	McCone	146.619	147.434	0.815	MT055	Cherry silt loam, 0 to 4 percent slopes	7	0.057
Steele City	MT	McCone	147.434	147.673	0.239	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	6	0.014
Steele City	MT	McCone	147.673	147.922	0.249	MT055	Cherry silt loam, 0 to 4 percent slopes	7	0.017
Steele City	MT	McCone	147.922	148.021	0.099	MT055	Bryant silt loam, 0 to 4 percent slopes	6	0.006
Steele City	MT	McCone	148.021	148.173	0.151	MT055	Cambert loam, 2 to 8 percent slopes	90	0.136
Steele City	MT	McCone	148.173	148.379	0.207	MT055	Bryant silt loam, 0 to 4 percent slopes	6	0.012
Steele City	MT	McCone	148.379	148.674	0.295	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	89	0.262
Steele City	MT	McCone	148.674	148.815	0.141	MT055	Bryant silt loam, 0 to 4 percent slopes	6	0.008
Steele City	MT	McCone	148.815	148.925	0.110	MT055	Cambert loam, 2 to 8 percent slopes	90	0.099
Steele City	MT	McCone	148.925	149.151	0.226	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	61	0.138
Steele City	MT	McCone	149.151	149.267	0.116	MT055	Cherry silt loam, 0 to 4 percent slopes	7	0.008
Steele City	MT	McCone	149.267	149.355	0.088	MT055	Cambert loam, 2 to 8 percent slopes	90	0.079
Steele City	MT	McCone	149.355	149.550	0.195	MT055	Macar loam, 4 to 8 percent slopes	5	0.010
Steele City	MT	McCone	149.550	149.717	0.166	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	44	0.073
Steele City	MT	McCone	149.717	149.771	0.055	MT055	Shambo loam, 4 to 8 percent slopes	8	0.004
Steele City	MT	McCone	149.771	149.889	0.118	MT055	Bryant silt loam, 0 to 4 percent slopes	6	0.007
Steele City	MT	McCone	149.889	149.962	0.073	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	6	0.004
Steele City	MT	McCone	149.962	150.190	0.228	MT055	Bryant silt loam, 0 to 4 percent slopes	6	0.014
Steele City	MT	McCone	150.190	150.453	0.264	MT055	Shambo loam, 4 to 8 percent slopes	8	0.021
Steele City	MT	McCone	150.453	150.488	0.034	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	61	0.021
Steele City	MT	McCone	150.488	150.490	0.002	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	6	0.000
Steele City	MT	McCone	150.490	150.569	0.079	MT055	Typic Fluvaquents, saline	5	0.004
Steele City	MT	McCone	150.569	150.856	0.287	MT055	Cherry silt loam, 0 to 4 percent slopes	7	0.020
Steele City	MT	McCone	150.856	151.032	0.176	MT055	Cambert loam, 2 to 8 percent slopes	90	0.159
Steele City	MT	McCone	151.032	151.316	0.284	MT055	Cherry silt loam, 0 to 4 percent slopes	7	0.020
Steele City	MT	McCone	151.316	151.359	0.044	MT055	Typic Ustorthents-Typic Ustifluvents association	5	0.002
Steele City	MT	McCone	151.359	151.763	0.404	MT055	Cherry silt loam, 0 to 4 percent slopes	7	0.028
Steele City	MT	McCone	151.763	151.825	0.062	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	6	0.004
Steele City	MT	McCone	151.825	152.033	0.208	MT055	Cherry silt loam, 0 to 4 percent slopes	7	0.015
Steele City	MT	McCone	152.033	152.300	0.267	MT055	Macar loam, 4 to 8 percent slopes	5	0.013
Steele City	MT	McCone	152.300	152.326	0.026	MT055	Cherry silt loam, 0 to 4 percent slopes	7	0.002
Steele City	MT	McCone	152.326	152.397	0.071	MT055	Macar loam, 4 to 8 percent slopes	5	0.004
Steele City	MT	McCone	152.397	152.435	0.037	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	89	0.033
Steele City	MT	McCone	152.435	152.488	0.054	MT055	Macar-Cambert loams, 2 to 8 percent slopes	47	0.025
Steele City	MT	McCone	152.488	152.893	0.404	MT055	Cambert loam, 2 to 8 percent slopes	90	0.364
Steele City	MT	McCone	152.893	153.140	0.247	MT055	Cherry silt loam, 0 to 4 percent slopes	7	0.017
Steele City	MT	McCone	153.140	153.196	0.056	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	44	0.025
Steele City	MT	McCone	153.196	153.225	0.029	MT055	Subwell-Peerless loams, 0 to 4 percent slopes	90	0.026
Steele City	MT	McCone	153.225	153.278	0.053	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	44	0.023
Steele City	MT	McCone	153.278	153.323	0.046	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	6	0.003
Steele City	MT	McCone	153.323	153.348	0.025	MT055	Cabba-Badland complex, 15 to 45 percent slopes	35	0.009
Steele City	MT	McCone	153.348	153.683	0.335	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	89	0.298
Steele City	MT	McCone	153.683	153.723	0.039	MT055	Macar loam, 8 to 15 percent slopes	9	0.004
Steele City	MT	McCone	153.723	154.159	0.437	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.188
Steele City	MT	McCone	154.159	154.355	0.195	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	89	0.174
Steele City	MT	McCone	154.355	154.499	0.144	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	43	0.062
Steele City	MT	McCone	154.499	154.807	0.308	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	89	0.274
Steele City	MT	McCone	154.807	154.971	0.164	MT055	Cabba-Barkof complex, 15 to 45 percent slopes	87	0.143
Steele City	MT	McCone	154.971	155.088	0.117	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	89	0.104
Steele City	MT	McCone	155.088	155.124	0.037	MT055	Shambo-Cambert loams, 2 to 8 percent slopes	46	0.017
Steele City	MT	McCone	155.124	155.631	0.507	MT055	Cabba-Barkof complex, 15 to 45 percent slopes	87	0.441
Steele City	MT	McCone	155.631	156.045	0.414	MT055	Macar loam, 4 to 8 percent slopes	5	0.021
Steele City	MT	McCone	156.045	156.259	0.214	MT055	Dast-Blanchard complex, 8 to 25 percent slopes	4	0.009
Steele City	MT	McCone	156.259	156.324	0.065	MT055	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.064
Steele City	MT	McCone	156.324	156.348	0.025	MT055	Cabba-Dast complex, 15 to 45 percent slopes	50	0.012
Steele City	MT	Dawson	156.348	156.424	0.076	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	54	0.041
Steele City	MT	Dawson	156.424	156.615	0.190	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	62	0.118
Steele City	MT	Dawson	156.615	156.729	0.115	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	39	0.045
Steele City	MT	Dawson	156.878	156.915	0.037	MT021	Kremlin loam, 4 to 8 percent slopes	98	0.037
Steele City	MT	Dawson	156.973	157.476	0.503	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.493
Steele City	MT	Dawson	157.476	157.649	0.173	MT021	Chinook fine sandy loam, 4 to 8 percent slopes	6	0.010
Steele City	MT	Dawson	157.649	157.718	0.070	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.066
Steele City	MT	Dawson	157.718	157.882	0.163	MT021	Twilight-Yetull complex, 2 to 8 percent slopes	62	0.101

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	MT	Dawson	157.882	157.968	0.086	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	62	0.054
Steele City	MT	Dawson	158.265	158.524	0.259	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	54	0.140
Steele City	MT	Dawson	158.524	158.640	0.116	MT021	Chinook fine sandy loam, 4 to 8 percent slopes	6	0.007
Steele City	MT	Dawson	158.640	158.728	0.088	MT021	Lambert gravelly loam, 20 to 40 percent slopes	95	0.084
Steele City	MT	Dawson	158.728	158.899	0.171	MT021	Lonna silt loam, 2 to 4 percent slopes	100	0.171
Steele City	MT	Dawson	158.899	159.027	0.127	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	57	0.073
Steele City	MT	Dawson	159.027	159.188	0.161	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	62	0.100
Steele City	MT	Dawson	159.188	159.207	0.019	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	57	0.011
Steele City	MT	Dawson	159.207	159.262	0.055	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	39	0.021
Steele City	MT	Dawson	159.262	159.309	0.048	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	57	0.027
Steele City	MT	Dawson	159.309	159.650	0.341	MT021	Twilight-Yetull complex, 2 to 8 percent slopes	62	0.211
Steele City	MT	Dawson	159.650	159.708	0.058	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	39	0.023
Steele City	MT	Dawson	159.708	160.151	0.443	MT021	Lonna silt loam, 2 to 4 percent slopes	100	0.443
Steele City	MT	Dawson	160.151	160.208	0.057	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.055
Steele City	MT	Dawson	160.208	160.299	0.091	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	57	0.052
Steele City	MT	Dawson	160.299	160.502	0.203	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.199
Steele City	MT	Dawson	160.502	160.657	0.155	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.147
Steele City	MT	Dawson	160.657	160.976	0.319	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	57	0.182
Steele City	MT	Dawson	160.976	161.062	0.086	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	57	0.049
Steele City	MT	Dawson	161.062	161.091	0.029	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.028
Steele City	MT	Dawson	161.091	161.126	0.035	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	57	0.020
Steele City	MT	Dawson	161.126	161.262	0.136	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.129
Steele City	MT	Dawson	161.262	161.352	0.090	MT021	Kremlin loam, 2 to 4 percent slopes	96	0.087
Steele City	MT	Dawson	161.352	161.627	0.275	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.269
Steele City	MT	Dawson	161.627	161.702	0.076	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	57	0.043
Steele City	MT	Dawson	161.702	161.969	0.267	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.261
Steele City	MT	Dawson	161.969	162.057	0.088	MT021	Lambert gravelly loam, 20 to 40 percent slopes	95	0.084
Steele City	MT	Dawson	162.057	162.346	0.290	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.284
Steele City	MT	Dawson	162.378	162.432	0.054	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.053
Steele City	MT	Dawson	162.432	162.506	0.074	MT021	Lambert gravelly loam, 20 to 40 percent slopes	95	0.070
Steele City	MT	Dawson	162.506	162.666	0.160	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.157
Steele City	MT	Dawson	162.666	162.764	0.098	MT021	Lambert gravelly loam, 20 to 40 percent slopes	95	0.093
Steele City	MT	Dawson	163.085	163.100	0.015	MT021	Lambert gravelly loam, 20 to 40 percent slopes	95	0.015
Steele City	MT	Dawson	163.100	163.211	0.111	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	39	0.043
Steele City	MT	Dawson	163.211	163.536	0.325	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.318
Steele City	MT	Dawson	163.536	163.676	0.140	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.133
Steele City	MT	Dawson	163.676	164.248	0.572	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.561
Steele City	MT	Dawson	164.248	164.382	0.134	MT021	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	94	0.126
Steele City	MT	Dawson	164.382	164.475	0.093	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.091
Steele City	MT	Dawson	164.475	164.537	0.062	MT021	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	94	0.058
Steele City	MT	Dawson	164.537	165.187	0.650	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.637
Steele City	MT	Dawson	165.187	165.264	0.077	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.073
Steele City	MT	Dawson	165.264	165.754	0.490	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.480
Steele City	MT	Dawson	165.754	166.099	0.345	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	90	0.311
Steele City	MT	Dawson	166.099	166.333	0.234	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	39	0.091
Steele City	MT	Dawson	166.333	166.360	0.026	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.025
Steele City	MT	Dawson	166.360	166.409	0.050	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	39	0.019
Steele City	MT	Dawson	166.409	166.680	0.271	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.258
Steele City	MT	Dawson	166.680	167.792	1.112	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	1.090
Steele City	MT	Dawson	167.792	168.439	0.647	MT021	Lonna silt loam, 2 to 4 percent slopes	100	0.647
Steele City	MT	Dawson	168.439	168.702	0.263	MT021	Subwell-Bigsheep complex, 4 to 15 percent slopes	70	0.184
Steele City	MT	Dawson	168.702	168.783	0.081	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	90	0.073
Steele City	MT	Dawson	168.783	169.065	0.283	MT021	Lonna silt loam, 2 to 4 percent slopes	100	0.283
Steele City	MT	Dawson	169.065	169.268	0.202	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.198
Steele City	MT	Dawson	169.268	169.422	0.154	MT021	Kremlin loam, 2 to 4 percent slopes	96	0.148
Steele City	MT	Dawson	169.422	169.787	0.366	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.358
Steele City	MT	Dawson	169.787	169.829	0.042	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.040
Steele City	MT	Dawson	169.829	169.869	0.039	MT021	Kremlin loam, 2 to 4 percent slopes	96	0.038
Steele City	MT	Dawson	169.869	170.026	0.157	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.149
Steele City	MT	Dawson	170.026	171.243	1.217	MT021	Lonna silt loam, 2 to 4 percent slopes	100	1.217
Steele City	MT	Dawson	171.243	171.332	0.089	MT021	Lonna silt loam, 0 to 2 percent slopes	100	0.089
Steele City	MT	Dawson	171.332	172.217	0.885	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.867
Steele City	MT	Dawson	172.217	172.404	0.187	MT021	Lonna silt loam, 2 to 4 percent slopes	100	0.187
Steele City	MT	Dawson	172.404	172.642	0.238	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.233
Steele City	MT	Dawson	172.642	172.745	0.104	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.099
Steele City	MT	Dawson	172.745	174.224	1.479	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	1.449
Steele City	MT	Dawson	174.224	174.275	0.051	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.048
Steele City	MT	Dawson	174.275	174.296	0.021	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.021
Steele City	MT	Dawson	174.296	174.346	0.050	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.047
Steele City	MT	Dawson	174.346	174.427	0.082	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.080
Steele City	MT	Dawson	174.427	174.581	0.154	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.146
Steele City	MT	Dawson	174.581	174.801	0.220	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.216
Steele City	MT	Dawson	174.801	175.141	0.339	MT021	Lonna silt loam, 2 to 4 percent slopes	100	0.339
Steele City	MT	Dawson	175.141	175.180	0.039	MT021	Lonna silt loam, 0 to 2 percent slopes	100	0.039
Steele City	MT	Dawson	175.180	175.359	0.179	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	39	0.070
Steele City	MT	Dawson	175.359	175.596	0.238	MT021	Lonna silt loam, 0 to 2 percent slopes	100	0.238
Steele City	MT	Dawson	175.596	175.615	0.019	MT021	Lonna silt loam, 2 to 4 percent slopes	100	0.019
Steele City	MT	Dawson	175.615	175.621	0.006	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	39	0.002
Steele City	MT	Dawson	175.621	175.770	0.149	MT021	Lonna silt loam, 2 to 4 percent slopes	100	0.149
Steele City	MT	Dawson	175.770	176.196	0.425	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.417
Steele City	MT	Dawson	176.196	176.386	0.191	MT021	Lonna silt loam, 2 to 4 percent slopes	100	0.191
Steele City	MT	Dawson	176.386	176.417	0.030	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.029
Steele City	MT	Dawson	176.417	176.477	0.061	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.059
Steele City	MT	Dawson	176.477	176.893	0.416	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.395
Steele City	MT	Dawson	176.893	177.231	0.339	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.332
Steele City	MT	Dawson	177.231	177.333	0.101	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	57	0.058
Steele City	MT	Dawson	177.333	177.542	0.209	MT021	Lonna silt loam, 0 to 2 percent slopes	100	0.209
Steele City	MT	Dawson	177.542	177.596	0.054	MT021	Lonna silt loam, 2 to 4 percent slopes	100	0.054

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	MT	Dawson	177.596	177.890	0.294	MT021	Lonna silt loam, 0 to 2 percent slopes	100	0.294
Steele City	MT	Dawson	177.890	178.056	0.167	MT021	Lonna silt loam, 2 to 4 percent slopes	100	0.167
Steele City	MT	Dawson	178.056	178.139	0.083	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.079
Steele City	MT	Dawson	178.139	178.413	0.274	MT021	Lonna silt loam, 2 to 4 percent slopes	100	0.274
Steele City	MT	Dawson	178.413	178.922	0.509	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.499
Steele City	MT	Dawson	178.922	178.956	0.034	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.032
Steele City	MT	Dawson	178.956	179.028	0.071	MT021	Lambert gravelly loam, 20 to 40 percent slopes	95	0.068
Steele City	MT	Dawson	179.028	179.055	0.028	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.026
Steele City	MT	Dawson	179.055	179.639	0.584	MT021	Lambert gravelly loam, 20 to 40 percent slopes	95	0.554
Steele City	MT	Dawson	179.639	179.997	0.358	MT021	Lonna silt loam, 2 to 4 percent slopes	100	0.358
Steele City	MT	Dawson	179.997	180.088	0.091	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.089
Steele City	MT	Dawson	180.088	180.296	0.208	MT021	Lonna silt loam, 2 to 4 percent slopes	100	0.208
Steele City	MT	Dawson	180.296	180.592	0.295	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.280
Steele City	MT	Dawson	180.592	180.938	0.346	MT021	Lambert gravelly loam, 20 to 40 percent slopes	95	0.329
Steele City	MT	Dawson	180.938	181.573	0.635	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	30	0.190
Steele City	MT	Dawson	181.573	181.584	0.012	MT021	Kremlin loam, 4 to 8 percent slopes	98	0.011
Steele City	MT	Dawson	181.584	182.056	0.472	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	30	0.142
Steele City	MT	Dawson	182.056	182.175	0.119	MT021	Kremlin loam, 4 to 8 percent slopes	98	0.116
Steele City	MT	Dawson	182.175	182.212	0.037	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	75	0.028
Steele City	MT	Dawson	182.212	182.342	0.129	MT021	Kremlin loam, 4 to 8 percent slopes	98	0.127
Steele City	MT	Dawson	182.342	183.606	1.265	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	75	0.949
Steele City	MT	Dawson	183.706	183.734	0.028	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	75	0.021
Steele City	MT	Dawson	183.873	183.996	0.123	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	75	0.092
Steele City	MT	Dawson	184.067	184.505	0.438	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	75	0.328
Steele City	MT	Dawson	184.639	185.103	0.464	MT021	Attewan, thin solum complex, 4 to 15 percent slopes	8	0.037
Steele City	MT	Dawson	185.103	185.562	0.459	MT021	Subwell-Bigsheep complex, 4 to 15 percent slopes	70	0.321
Steele City	MT	Dawson	185.562	185.706	0.144	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	90	0.129
Steele City	MT	Dawson	185.706	185.828	0.123	MT021	Subwell-Bigsheep complex, 4 to 15 percent slopes	70	0.086
Steele City	MT	Dawson	185.828	186.005	0.176	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	90	0.159
Steele City	MT	Dawson	186.005	186.253	0.249	MT021	Kremlin loam, 4 to 8 percent slopes	98	0.244
Steele City	MT	Dawson	186.253	187.054	0.800	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	90	0.720
Steele City	MT	Dawson	187.216	187.275	0.058	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	90	0.053
Steele City	MT	Dawson	187.275	187.341	0.066	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	30	0.020
Steele City	MT	Dawson	187.710	187.820	0.110	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	30	0.033
Steele City	MT	Dawson	187.864	188.070	0.206	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	3	0.006
Steele City	MT	Dawson	188.070	188.198	0.128	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	39	0.050
Steele City	MT	Dawson	188.198	188.265	0.067	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	3	0.002
Steele City	MT	Dawson	188.265	188.340	0.074	MT021	Kremlin loam, 4 to 8 percent slopes	98	0.073
Steele City	MT	Dawson	188.340	188.449	0.109	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	3	0.003
Steele City	MT	Dawson	188.515	188.843	0.328	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	75	0.246
Steele City	MT	Dawson	189.165	189.183	0.018	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	3	0.001
Steele City	MT	Dawson	189.293	189.406	0.113	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	75	0.085
Steele City	MT	Dawson	189.461	189.611	0.150	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	75	0.113
Steele City	MT	Dawson	189.790	189.832	0.043	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	3	0.001
Steele City	MT	Dawson	189.914	189.944	0.030	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	3	0.001
Steele City	MT	Dawson	190.303	190.862	0.559	MT021	Chinook fine sandy loam, 0 to 4 percent slopes	5	0.028
Steele City	MT	Dawson	190.862	191.407	0.545	MT021	Kremlin loam, 4 to 8 percent slopes	98	0.534
Steele City	MT	Dawson	192.038	192.651	0.612	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	30	0.184
Steele City	MT	Dawson	192.651	192.767	0.116	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	54	0.062
Steele City	MT	Dawson	192.767	192.844	0.078	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	62	0.048
Steele City	MT	Dawson	192.844	192.850	0.005	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	54	0.003
Steele City	MT	Dawson	192.850	192.898	0.049	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	62	0.030
Steele City	MT	Dawson	192.898	192.945	0.047	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	54	0.025
Steele City	MT	Dawson	192.945	193.157	0.212	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	62	0.131
Steele City	MT	Dawson	193.157	193.206	0.049	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	54	0.027
Steele City	MT	Dawson	193.206	193.573	0.367	MT021	Twilight-Yetull complex, 2 to 8 percent slopes	62	0.228
Steele City	MT	Dawson	193.573	193.659	0.085	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	30	0.026
Steele City	MT	Dawson	193.659	193.664	0.005	MT021	Glendive loam, 0 to 2 percent slopes, occasionally flooded	4	0.000
Steele City	MT	Dawson	193.664	194.254	0.590	MT021	Cherry silty clay loam, noncalcareous, 0 to 2 percent slopes	93	0.549
Steele City	MT	Dawson	194.254	194.262	0.008	MT021	Glendive loam, 0 to 2 percent slopes, occasionally flooded	4	0.000
Steele City	MT	Dawson	194.262	194.552	0.290	MT021	Glendive fine sandy loam, 0 to 2 percent slopes, occasionally flooded	7	0.020
Steele City	MT	Dawson	194.552	194.653	0.102	MT021	Lambert gravelly loam, 20 to 40 percent slopes	95	0.097
Steele City	MT	Dawson	194.751	194.987	0.236	MT021	Saline land	100	0.236
Steele City	MT	Dawson	194.987	195.013	0.026	MT021	Havre silt loam, 0 to 2 percent slopes	4	0.001
Steele City	MT	Dawson	195.013	195.302	0.289	MT021	Glendive loam, 0 to 2 percent slopes, occasionally flooded	4	0.012
Steele City	MT	Dawson	195.302	195.643	0.341	MT021	Havre silt loam, 0 to 2 percent slopes	4	0.014
Steele City	MT	Dawson	195.643	195.682	0.040	MT021	Hanly soils, 0 to 4 percent slopes, occasionally flooded	30	0.012
Steele City	MT	Dawson	195.682	195.721	0.038	MT021	Glendive loam, 0 to 2 percent slopes, occasionally flooded	4	0.002
Steele City	MT	Dawson	195.721	195.910	0.189	MT021	Hanly soils, 0 to 4 percent slopes, occasionally flooded	30	0.057
Steele City	MT	Dawson	195.910	195.936	0.026	MT021	Riverwash	5	0.001
Steele City	MT	Dawson	196.052	196.215	0.163	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	57	0.093
Steele City	MT	Dawson	196.215	196.290	0.075	MT021	Lonna silt loam, 0 to 2 percent slopes	100	0.075
Steele City	MT	Dawson	196.290	196.356	0.066	MT021	Lonna silt loam, 2 to 8 percent slopes	100	0.066
Steele City	MT	Dawson	196.356	196.477	0.121	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	57	0.069
Steele City	MT	Dawson	196.477	196.779	0.302	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	57	0.172
Steele City	MT	Dawson	196.779	197.009	0.231	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	30	0.069
Steele City	MT	Prairie	197.009	197.040	0.030	MT079	Lihen-Tinsley complex, 8 to 35 percent slopes	15	0.005
Steele City	MT	Prairie	197.082	197.147	0.065	MT079	Lihen-Yetull complex, 8 to 35 percent slopes	25	0.016
Steele City	MT	Prairie	197.374	197.536	0.162	MT079	Lihen-Yetull complex, 8 to 35 percent slopes	25	0.040
Steele City	MT	Prairie	197.536	197.631	0.095	MT079	Degrand loam, 0 to 4 percent slopes	5	0.005
Steele City	MT	Prairie	197.631	197.648	0.017	MT079	Lihen-Yetull complex, 8 to 35 percent slopes	25	0.004
Steele City	MT	Prairie	197.648	197.890	0.242	MT079	Degrand loam, 0 to 4 percent slopes	5	0.012
Steele City	MT	Prairie	197.890	198.046	0.156	MT079	Lihen-Parshall-Yetull complex, 4 to 15 percent slopes	15	0.023
Steele City	MT	Prairie	198.046	198.134	0.088	MT079	Lihen-Yetull complex, 8 to 35 percent slopes	25	0.022
Steele City	MT	Prairie	198.134	198.248	0.114	MT079	Lihen-Parshall-Yetull complex, 4 to 15 percent slopes	15	0.017
Steele City	MT	Prairie	198.248	198.314	0.067	MT079	Degrand loam, 0 to 4 percent slopes	5	0.003
Steele City	MT	Prairie	198.314	198.353	0.039	MT079	Lihen-Yetull complex, 8 to 35 percent slopes	25	0.010
Steele City	MT	Prairie	198.353	199.470	1.117	MT079	Degrand loam, 0 to 4 percent slopes	5	0.056
Steele City	MT	Prairie	199.606	199.762	0.156	MT079	Lihen-Tinsley complex, 8 to 35 percent slopes	15	0.023
Steele City	MT	Prairie	199.762	199.999	0.236	MT079	Busby-Twilight-Blackhall fine sandy loams, 4 to 15 percent slopes	75	0.177
Steele City	MT	Prairie	199.999	200.553	0.555	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.544
Steele City	MT	Prairie	200.586	200.925	0.339	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.332
Steele City	MT	Prairie	200.925	200.950	0.025	MT079	Yawdim-Cambeth, calcareous, complex, 2 to 8 percent slopes	45	0.011

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	MT	Prairie	200.950	201.081	0.131	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.129
Steele City	MT	Prairie	201.081	201.254	0.173	MT079	Lihen-Parshall-Yetull complex, 4 to 15 percent slopes	15	0.026
Steele City	MT	Prairie	201.254	201.339	0.085	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.083
Steele City	MT	Prairie	201.339	201.408	0.069	MT079	Kremlin loam, 0 to 2 percent slopes	96	0.066
Steele City	MT	Prairie	201.408	201.481	0.074	MT079	Glendive fine sandy loam, 0 to 2 percent slopes	11	0.008
Steele City	MT	Prairie	201.481	201.719	0.237	MT079	Busby fine sandy loam, 0 to 2 percent slopes	100	0.237
Steele City	MT	Prairie	201.719	201.908	0.189	MT079	Busby fine sandy loam, 2 to 8 percent slopes	10	0.019
Steele City	MT	Prairie	201.908	201.954	0.046	MT079	Busby fine sandy loam, 0 to 2 percent slopes	100	0.046
Steele City	MT	Prairie	201.954	202.306	0.352	MT079	Glendive fine sandy loam, 0 to 2 percent slopes	11	0.039
Steele City	MT	Prairie	202.306	202.373	0.067	MT079	Yamac loam, 0 to 2 percent slopes	10	0.007
Steele City	MT	Prairie	202.373	202.534	0.161	MT079	Lonna silt loam, 2 to 8 percent slopes	100	0.161
Steele City	MT	Prairie	202.534	202.560	0.027	MT079	Floweree silt loam, calcareous, 0 to 2 percent slopes	15	0.004
Steele City	MT	Prairie	202.560	202.687	0.127	MT079	Lonna silt loam, 2 to 8 percent slopes	100	0.127
Steele City	MT	Prairie	202.687	202.832	0.145	MT079	Floweree silt loam, calcareous, 0 to 2 percent slopes	15	0.022
Steele City	MT	Prairie	202.832	203.203	0.371	MT079	Yamac loam, 0 to 2 percent slopes	10	0.037
Steele City	MT	Prairie	203.203	203.783	0.580	MT079	Lonna silt loam, 2 to 8 percent slopes	100	0.580
Steele City	MT	Prairie	203.783	204.076	0.293	MT079	Busby-Twilight-Blackhall fine sandy loams, 4 to 15 percent slopes	75	0.220
Steele City	MT	Prairie	204.076	204.239	0.162	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.154
Steele City	MT	Prairie	204.239	204.278	0.039	MT079	Chinook-Kremlin complex, 2 to 6 percent slopes	46	0.018
Steele City	MT	Prairie	204.278	204.688	0.410	MT079	Lonna silt loam, 2 to 8 percent slopes	100	0.410
Steele City	MT	Prairie	204.688	204.806	0.118	MT079	Delpoint-Busby-Blackhall complex, 4 to 15 percent slopes	45	0.053
Steele City	MT	Prairie	204.806	205.075	0.270	MT079	Degrand loam, 0 to 4 percent slopes	5	0.013
Steele City	MT	Prairie	205.075	205.191	0.116	MT079	Chinook-Twilight-Blackhall fine sandy loams, 8 to 15 percent slopes	29	0.034
Steele City	MT	Prairie	205.191	205.305	0.114	MT079	Kremlin loam, 2 to 8 percent slopes	10	0.011
Steele City	MT	Prairie	205.305	205.353	0.048	MT079	Lonna silt loam, 0 to 2 percent slopes	100	0.048
Steele City	MT	Prairie	205.353	205.563	0.211	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.206
Steele City	MT	Prairie	205.563	205.588	0.025	MT079	Parshall fine sandy loam, 2 to 6 percent slopes	5	0.001
Steele City	MT	Prairie	205.588	205.691	0.103	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.101
Steele City	MT	Prairie	205.691	205.927	0.236	MT079	Lonna silt loam, 0 to 2 percent slopes	100	0.236
Steele City	MT	Prairie	205.927	205.989	0.062	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.061
Steele City	MT	Prairie	205.989	206.210	0.221	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.210
Steele City	MT	Prairie	206.210	206.262	0.053	MT079	Lonna silt loam, 2 to 8 percent slopes	100	0.053
Steele City	MT	Prairie	206.262	206.527	0.264	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.251
Steele City	MT	Prairie	206.527	206.595	0.068	MT079	Lonna silt loam, 2 to 8 percent slopes	100	0.068
Steele City	MT	Prairie	206.595	206.665	0.070	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.066
Steele City	MT	Prairie	206.665	206.820	0.156	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	94	0.146
Steele City	MT	Prairie	206.820	206.945	0.124	MT079	Cambeth, calcareous-Cabbart-Yawdim complex, 4 to 25 percent slopes	77	0.096
Steele City	MT	Prairie	206.945	207.398	0.453	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	94	0.426
Steele City	MT	Prairie	207.398	207.679	0.281	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.267
Steele City	MT	Prairie	207.679	207.746	0.067	MT079	Lonna silt loam, 2 to 8 percent slopes	100	0.067
Steele City	MT	Prairie	207.746	207.920	0.174	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.165
Steele City	MT	Prairie	207.920	207.932	0.012	MT079	Ustic Torriorthents-Ustic Torrifluvents-Rock outcrop complex, 0 to 35 percent slopes	6	0.001
Steele City	MT	Prairie	207.932	208.034	0.102	MT079	Ismay silty clay loam, 0 to 2 percent slopes	100	0.102
Steele City	MT	Prairie	208.034	208.158	0.124	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	94	0.117
Steele City	MT	Prairie	208.158	208.377	0.219	MT079	Chinook-Twilight-Blackhall fine sandy loams, 8 to 15 percent slopes	29	0.064
Steele City	MT	Prairie	208.377	208.537	0.160	MT079	Chinook-Twilight fine sandy loams, 2 to 8 percent slopes	46	0.073
Steele City	MT	Prairie	208.537	208.613	0.077	MT079	Lonna silt loam, 2 to 8 percent slopes	100	0.077
Steele City	MT	Prairie	208.613	208.668	0.055	MT079	Chinook-Twilight-Blackhall fine sandy loams, 8 to 15 percent slopes	29	0.016
Steele City	MT	Prairie	208.668	208.900	0.231	MT079	Lonna silt loam, 2 to 8 percent slopes	100	0.231
Steele City	MT	Prairie	208.900	208.922	0.023	MT079	Ismay silty clay loam, 0 to 2 percent slopes	100	0.023
Steele City	MT	Prairie	208.922	208.976	0.054	MT079	Lonna silt loam, 2 to 8 percent slopes	100	0.054
Steele City	MT	Prairie	208.976	209.069	0.093	MT079	Ismay silty clay loam, 0 to 2 percent slopes	100	0.093
Steele City	MT	Prairie	209.069	209.189	0.119	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	94	0.112
Steele City	MT	Prairie	209.189	209.297	0.108	MT079	Cambeth, calcareous-Cabbart-Yawdim complex, 4 to 25 percent slopes	77	0.083
Steele City	MT	Prairie	209.297	209.553	0.256	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	94	0.241
Steele City	MT	Prairie	209.553	209.892	0.339	MT079	Cambeth, calcareous-Cabbart-Yawdim complex, 4 to 25 percent slopes	77	0.261
Steele City	MT	Prairie	209.892	210.179	0.287	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	75	0.215
Steele City	MT	Prairie	210.179	210.475	0.296	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.281
Steele City	MT	Prairie	210.475	210.868	0.393	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	75	0.294
Steele City	MT	Prairie	210.868	210.924	0.057	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	94	0.053
Steele City	MT	Prairie	210.924	211.058	0.134	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	75	0.101
Steele City	MT	Prairie	211.058	211.135	0.076	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.073
Steele City	MT	Prairie	211.135	211.218	0.083	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	75	0.062
Steele City	MT	Prairie	211.218	211.269	0.051	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.049
Steele City	MT	Prairie	211.269	211.345	0.076	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	75	0.057
Steele City	MT	Prairie	211.345	211.844	0.500	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	94	0.470
Steele City	MT	Prairie	211.844	212.056	0.212	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.201
Steele City	MT	Prairie	212.056	212.265	0.208	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	94	0.196
Steele City	MT	Prairie	212.265	212.319	0.055	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.052
Steele City	MT	Prairie	212.319	212.447	0.128	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	94	0.120
Steele City	MT	Prairie	212.447	213.050	0.603	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.573
Steele City	MT	Prairie	213.050	213.245	0.195	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	75	0.146
Steele City	MT	Prairie	213.245	213.621	0.377	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.358
Steele City	MT	Prairie	213.621	213.936	0.315	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	94	0.296
Steele City	MT	Prairie	213.936	213.966	0.029	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.028
Steele City	MT	Prairie	213.966	214.217	0.252	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	94	0.236
Steele City	MT	Prairie	214.217	214.337	0.120	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.114
Steele City	MT	Prairie	214.337	214.382	0.046	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	94	0.043
Steele City	MT	Prairie	214.382	214.455	0.073	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.069
Steele City	MT	Prairie	214.455	214.553	0.098	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	94	0.092
Steele City	MT	Prairie	214.553	214.744	0.190	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	98	0.187
Steele City	MT	Prairie	214.744	214.907	0.163	MT079	Lonna silt loam, 0 to 2 percent slopes	100	0.163

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	MT	Prairie	214.907	215.007	0.100	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	94	0.094
Steele City	MT	Prairie	215.007	215.852	0.845	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.803
Steele City	MT	Prairie	215.852	216.148	0.296	MT079	Lonna silt loam, 2 to 8 percent slopes	100	0.296
Steele City	MT	Prairie	216.148	216.270	0.122	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	94	0.115
Steele City	MT	Prairie	216.270	216.347	0.077	MT079	Lonna silt loam, 2 to 8 percent slopes	100	0.077
Steele City	MT	Prairie	216.347	216.468	0.121	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.115
Steele City	MT	Prairie	216.468	216.606	0.138	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	94	0.130
Steele City	MT	Prairie	216.606	217.096	0.490	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.466
Steele City	MT	Prairie	217.096	217.297	0.201	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	94	0.189
Steele City	MT	Prairie	217.297	217.367	0.070	MT079	Lonna silt loam, 2 to 8 percent slopes	100	0.070
Steele City	MT	Prairie	217.367	217.635	0.268	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	94	0.252
Steele City	MT	Prairie	217.635	217.832	0.196	MT079	Cambeth, calcareous-Cabbart-Lonna silt loams, 15 to 35 percent slopes	90	0.177
Steele City	MT	Prairie	217.832	217.908	0.076	MT079	Cabbart-Rock outcrop-Yawdim complex, 15 to 70 percent slopes	50	0.038
Steele City	MT	Prairie	217.908	218.143	0.235	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	95	0.223
Steele City	MT	Fallon	218.143	218.317	0.174	MT025	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	97	0.169
Steele City	MT	Fallon	218.317	218.403	0.087	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	74	0.064
Steele City	MT	Fallon	218.403	218.444	0.040	MT025	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	97	0.039
Steele City	MT	Fallon	218.444	218.596	0.152	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	74	0.112
Steele City	MT	Fallon	218.596	218.643	0.047	MT025	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	97	0.046
Steele City	MT	Fallon	218.643	219.205	0.562	MT025	Lonna-Cabbart silt loams, 2 to 8 percent slopes	95	0.534
Steele City	MT	Fallon	219.205	219.885	0.680	MT025	Kremlin loam, 2 to 8 percent slopes	9	0.061
Steele City	MT	Fallon	219.885	219.955	0.070	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	95	0.067
Steele City	MT	Fallon	219.955	220.041	0.086	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	74	0.064
Steele City	MT	Fallon	220.041	220.221	0.180	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	95	0.171
Steele City	MT	Fallon	220.221	220.663	0.442	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	74	0.327
Steele City	MT	Fallon	220.663	220.844	0.181	MT025	Yamacall loam, 8 to 15 percent slopes	98	0.177
Steele City	MT	Fallon	220.844	221.394	0.550	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	94	0.517
Steele City	MT	Fallon	221.394	221.663	0.269	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	95	0.256
Steele City	MT	Fallon	221.663	221.858	0.195	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	97	0.189
Steele City	MT	Fallon	221.858	221.971	0.113	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	94	0.107
Steele City	MT	Fallon	221.971	222.057	0.086	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	97	0.083
Steele City	MT	Fallon	222.057	222.173	0.116	MT025	Lonna silt loam, 2 to 8 percent slopes	97	0.112
Steele City	MT	Fallon	222.173	222.286	0.113	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	100	0.113
Steele City	MT	Fallon	222.286	222.341	0.055	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	95	0.053
Steele City	MT	Fallon	222.341	222.407	0.066	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	100	0.066
Steele City	MT	Fallon	222.407	222.440	0.033	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	95	0.032
Steele City	MT	Fallon	222.440	222.527	0.086	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	100	0.086
Steele City	MT	Fallon	222.527	223.145	0.618	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	95	0.587
Steele City	MT	Fallon	223.145	223.318	0.173	MT025	Lonna silt loam, 2 to 8 percent slopes	97	0.168
Steele City	MT	Fallon	223.318	223.478	0.161	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	93	0.149
Steele City	MT	Fallon	223.478	223.522	0.044	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	95	0.042
Steele City	MT	Fallon	223.522	223.566	0.044	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	93	0.041
Steele City	MT	Fallon	223.566	223.652	0.086	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	95	0.081
Steele City	MT	Fallon	223.652	223.732	0.080	MT025	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	97	0.078
Steele City	MT	Fallon	223.732	224.057	0.325	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	93	0.302
Steele City	MT	Fallon	224.057	224.148	0.091	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	51	0.046
Steele City	MT	Fallon	224.148	224.242	0.093	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	94	0.088
Steele City	MT	Fallon	224.242	224.365	0.124	MT025	Yamacall loam, 8 to 15 percent slopes	98	0.121
Steele City	MT	Fallon	224.365	224.558	0.193	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	74	0.143
Steele City	MT	Fallon	224.558	224.796	0.238	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	93	0.221
Steele City	MT	Fallon	224.796	224.856	0.060	MT025	Orinoco-Yawdim silty clay loams, 4 to 15 percent slopes	61	0.037
Steele City	MT	Fallon	224.856	224.866	0.010	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	93	0.009
Steele City	MT	Fallon	224.866	224.939	0.073	MT025	Floweree silt loam, 2 to 8 percent slopes	100	0.073
Steele City	MT	Fallon	224.939	224.958	0.018	MT025	Orinoco-Yawdim silty clay loams, 4 to 15 percent slopes	61	0.011
Steele City	MT	Fallon	224.958	225.137	0.179	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	94	0.169
Steele City	MT	Fallon	225.137	225.204	0.067	MT025	Kremlin loam, 2 to 8 percent slopes	9	0.006
Steele City	MT	Fallon	225.204	225.271	0.067	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	94	0.063
Steele City	MT	Fallon	225.271	225.757	0.487	MT025	Kremlin-Cabbart complex, 2 to 8 percent slopes	95	0.462
Steele City	MT	Fallon	225.757	225.950	0.192	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	94	0.181
Steele City	MT	Fallon	225.950	226.051	0.102	MT025	Yamacall loam, 2 to 8 percent slopes	95	0.096
Steele City	MT	Fallon	226.051	226.173	0.122	MT025	Kremlin loam, 2 to 8 percent slopes	9	0.011
Steele City	MT	Fallon	226.173	226.232	0.058	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	94	0.055
Steele City	MT	Fallon	226.232	226.281	0.050	MT025	Kremlin loam, 2 to 8 percent slopes	9	0.004
Steele City	MT	Fallon	226.281	226.342	0.061	MT025	Lonna silt loam, 0 to 2 percent slopes	98	0.060
Steele City	MT	Fallon	226.342	226.440	0.097	MT025	Delpoint loam, 2 to 8 percent slopes	94	0.091
Steele City	MT	Fallon	226.440	226.678	0.238	MT025	Lonna silt loam, 2 to 8 percent slopes	97	0.231
Steele City	MT	Fallon	226.678	226.837	0.159	MT025	Lonna silt loam, 0 to 2 percent slopes	98	0.156
Steele City	MT	Fallon	226.837	227.014	0.177	MT025	Havre loam, 0 to 2 percent slopes	12	0.021
Steele City	MT	Fallon	227.014	227.283	0.270	MT025	Lonna silt loam, 0 to 2 percent slopes	98	0.264
Steele City	MT	Fallon	227.283	227.816	0.533	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	100	0.533
Steele City	MT	Fallon	227.816	227.936	0.120	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	93	0.112
Steele City	MT	Fallon	227.936	227.972	0.036	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	74	0.027
Steele City	MT	Fallon	227.972	228.000	0.028	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	93	0.026
Steele City	MT	Fallon	228.000	228.038	0.038	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	100	0.038
Steele City	MT	Fallon	228.038	228.076	0.038	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	93	0.035
Steele City	MT	Fallon	228.076	228.234	0.158	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	100	0.158
Steele City	MT	Fallon	228.234	228.305	0.071	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	93	0.066
Steele City	MT	Fallon	228.305	228.533	0.228	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	100	0.228
Steele City	MT	Fallon	228.533	228.585	0.052	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	39	0.020
Steele City	MT	Fallon	228.585	228.870	0.285	MT025	Lonna silt loam, 2 to 8 percent slopes	97	0.277
Steele City	MT	Fallon	228.870	228.916	0.046	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	93	0.043
Steele City	MT	Fallon	228.916	228.935	0.019	MT025	Alona silt loam, 2 to 8 percent slopes	99	0.019
Steele City	MT	Fallon	228.935	229.500	0.565	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	51	0.288
Steele City	MT	Fallon	229.500	229.626	0.127	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	39	0.049
Steele City	MT	Fallon	229.626	229.738	0.112	MT025	Lonna silt loam, 2 to 8 percent slopes	97	0.108
Steele City	MT	Fallon	229.738	229.954	0.215	MT025	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	97	0.209
Steele City	MT	Fallon	229.954	230.155	0.201	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	94	0.189
Steele City	MT	Fallon	230.155	230.209	0.054	MT025	Lonna silt loam, 2 to 8 percent slopes	97	0.053
Steele City	MT	Fallon	230.209	230.393	0.185	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	94	0.174
Steele City	MT	Fallon	230.393	230.473	0.080	MT025	Kobase silty clay loam, 2 to 8 percent slopes	94	0.075
Steele City	MT	Fallon	230.473	230.531	0.058	MT025	Cabbart silt loam, 4 to 15 percent slopes	94	0.055
Steele City	MT	Fallon	230.531	230.601	0.069	MT025	Gerdrum clay loam, 2 to 8 percent slopes	97	0.067
Steele City	MT	Fallon	230.601	230.899	0.298	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	74	0.220
Steele City	MT	Fallon	230.899	230.975	0.076	MT025	Yamacall loam, 2 to 8 percent slopes	95	0.072

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	MT	Fallon	230.975	231.393	0.418	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	74	0.309
Steele City	MT	Fallon	231.393	231.633	0.240	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	94	0.225
Steele City	MT	Fallon	231.633	231.798	0.165	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	51	0.084
Steele City	MT	Fallon	231.798	231.974	0.176	MT025	Kremlin loam, 2 to 8 percent slopes	9	0.016
Steele City	MT	Fallon	231.974	232.005	0.032	MT025	Lonna silt loam, 2 to 8 percent slopes	97	0.031
Steele City	MT	Fallon	232.030	232.071	0.041	MT025	Lonna silt loam, 2 to 8 percent slopes	97	0.040
Steele City	MT	Fallon	232.071	232.708	0.637	MT025	Eapa loam, 2 to 8 percent slopes	14	0.089
Steele City	MT	Fallon	232.708	232.719	0.011	MT025	Havre-Harlake complex, 0 to 2 percent slopes	7	0.001
Steele City	MT	Fallon	232.719	232.865	0.146	MT025	Archin loam, 2 to 8 percent slopes	94	0.138
Steele City	MT	Fallon	232.865	233.236	0.371	MT025	Gerdrum-Absher complex, 0 to 2 percent slopes	99	0.367
Steele City	MT	Fallon	233.236	233.364	0.128	MT025	Floweree silt loam, 0 to 2 percent slopes	100	0.128
Steele City	MT	Fallon	233.364	233.426	0.061	MT025	Archin-Absher complex, 0 to 2 percent slopes	97	0.059
Steele City	MT	Fallon	233.426	233.896	0.470	MT025	Floweree silt loam, 0 to 2 percent slopes	100	0.470
Steele City	MT	Fallon	233.896	234.282	0.387	MT025	Kremlin loam, 0 to 2 percent slopes	93	0.359
Steele City	MT	Fallon	234.282	234.389	0.106	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	99	0.105
Steele City	MT	Fallon	234.389	234.714	0.325	MT025	Havre-Harlake complex, 0 to 2 percent slopes	7	0.023
Steele City	MT	Fallon	234.714	234.832	0.119	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	99	0.117
Steele City	MT	Fallon	234.832	234.910	0.078	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	98	0.076
Steele City	MT	Fallon	234.910	234.979	0.069	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	99	0.068
Steele City	MT	Fallon	234.979	235.131	0.153	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	98	0.150
Steele City	MT	Fallon	235.131	235.337	0.205	MT025	Yamacall-Busby-Blacksheep complex, 4 to 15 percent slopes	44	0.090
Steele City	MT	Fallon	235.337	235.476	0.139	MT025	Archin loam, 2 to 8 percent slopes	94	0.131
Steele City	MT	Fallon	235.476	235.535	0.060	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	98	0.059
Steele City	MT	Fallon	235.535	235.637	0.101	MT025	Archin loam, 2 to 8 percent slopes	94	0.095
Steele City	MT	Fallon	235.637	235.729	0.093	MT025	Cambeth silt loam, 2 to 8 percent slopes	100	0.093
Steele City	MT	Fallon	235.729	235.905	0.176	MT025	Archin loam, 2 to 8 percent slopes	94	0.166
Steele City	MT	Fallon	235.905	235.980	0.075	MT025	Yamacall loam, 2 to 8 percent slopes	95	0.071
Steele City	MT	Fallon	235.980	236.089	0.108	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	94	0.102
Steele City	MT	Fallon	236.089	236.201	0.112	MT025	Yamacall loam, 2 to 8 percent slopes	95	0.106
Steele City	MT	Fallon	236.201	236.260	0.059	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	94	0.056
Steele City	MT	Fallon	236.260	236.503	0.243	MT025	Busby fine sandy loam, 8 to 15 percent slopes	10	0.024
Steele City	MT	Fallon	236.503	236.551	0.048	MT025	Yamacall loam, 2 to 8 percent slopes	95	0.045
Steele City	MT	Fallon	236.551	236.722	0.172	MT025	Eapa loam, 2 to 8 percent slopes	14	0.024
Steele City	MT	Fallon	236.722	236.998	0.276	MT025	Chinook sandy loam, 2 to 8 percent slopes	5	0.014
Steele City	MT	Fallon	236.998	237.231	0.232	MT025	Kremlin loam, 2 to 8 percent slopes	9	0.021
Steele City	MT	Fallon	237.231	237.419	0.189	MT025	Chinook sandy loam, 2 to 8 percent slopes	5	0.009
Steele City	MT	Fallon	237.419	237.489	0.069	MT025	Twilight fine sandy loam, 8 to 15 percent slopes	88	0.061
Steele City	MT	Fallon	237.489	237.538	0.050	MT025	Yamacall loam, 2 to 8 percent slopes	95	0.047
Steele City	MT	Fallon	237.538	237.583	0.044	MT025	Chinook sandy loam, 2 to 8 percent slopes	5	0.002
Steele City	MT	Fallon	237.583	237.594	0.011	MT025	Yamacall loam, 2 to 8 percent slopes	95	0.010
Steele City	MT	Fallon	237.594	237.673	0.079	MT025	Chinook sandy loam, 2 to 8 percent slopes	5	0.004
Steele City	MT	Fallon	237.673	238.275	0.603	MT025	Yamacall loam, 2 to 8 percent slopes	95	0.573
Steele City	MT	Fallon	238.275	238.405	0.130	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	21	0.027
Steele City	MT	Fallon	238.405	238.507	0.101	MT025	Yamacall loam, 2 to 8 percent slopes	95	0.096
Steele City	MT	Fallon	238.507	238.585	0.078	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	94	0.074
Steele City	MT	Fallon	238.585	238.679	0.094	MT025	Busby fine sandy loam, 8 to 15 percent slopes	10	0.009
Steele City	MT	Fallon	238.679	238.759	0.081	MT025	Busby fine sandy loam, 2 to 8 percent slopes	9	0.007
Steele City	MT	Fallon	238.759	238.818	0.059	MT025	Busby fine sandy loam, 8 to 15 percent slopes	10	0.006
Steele City	MT	Fallon	238.818	238.839	0.021	MT025	Eapa loam, 2 to 8 percent slopes	14	0.003
Steele City	MT	Fallon	238.839	238.886	0.047	MT025	Busby fine sandy loam, 8 to 15 percent slopes	10	0.005
Steele City	MT	Fallon	238.886	238.995	0.109	MT025	Chinook sandy loam, 2 to 8 percent slopes	5	0.005
Steele City	MT	Fallon	238.995	239.047	0.052	MT025	Assinniboine sandy clay loam, 2 to 8 percent slopes	12	0.006
Steele City	MT	Fallon	239.047	239.318	0.271	MT025	Busby fine sandy loam, 2 to 8 percent slopes	9	0.024
Steele City	MT	Fallon	239.318	239.449	0.131	MT025	Chinook sandy loam, 2 to 8 percent slopes	5	0.007
Steele City	MT	Fallon	239.449	239.633	0.184	MT025	Busby fine sandy loam, 2 to 8 percent slopes	9	0.017
Steele City	MT	Fallon	239.633	239.732	0.099	MT025	Assinniboine sandy clay loam, 2 to 8 percent slopes	12	0.012
Steele City	MT	Fallon	239.732	239.961	0.229	MT025	Busby fine sandy loam, 2 to 8 percent slopes	9	0.021
Steele City	MT	Fallon	239.961	240.193	0.232	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	51	0.118
Steele City	MT	Fallon	240.193	240.260	0.067	MT025	Busby fine sandy loam, 2 to 8 percent slopes	9	0.006
Steele City	MT	Fallon	240.260	240.531	0.271	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	51	0.138
Steele City	MT	Fallon	240.531	240.571	0.040	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	94	0.037
Steele City	MT	Fallon	240.571	240.783	0.212	MT025	Twilight-Delpoint complex, 2 to 8 percent slopes	96	0.203
Steele City	MT	Fallon	240.783	240.831	0.049	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	94	0.046
Steele City	MT	Fallon	240.831	241.218	0.387	MT025	Busby fine sandy loam, 8 to 15 percent slopes	10	0.039
Steele City	MT	Fallon	241.218	241.435	0.216	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	51	0.110
Steele City	MT	Fallon	241.435	241.450	0.016	MT025	Blacksheep-Rock outcrop complex, 25 to 50 percent	6	0.001
Steele City	MT	Fallon	241.450	241.758	0.308	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	51	0.157
Steele City	MT	Fallon	241.758	241.933	0.175	MT025	Bonfri loam, 8 to 15 percent slopes	97	0.170
Steele City	MT	Fallon	241.933	242.978	1.045	MT025	Gerdrum clay loam, 2 to 8 percent slopes	97	1.014
Steele City	MT	Fallon	242.978	243.043	0.065	MT025	Neldore-Bascovy clays, 4 to 15 percent slopes	94	0.061
Steele City	MT	Fallon	243.043	243.189	0.146	MT025	Gerdrum clay loam, 2 to 8 percent slopes	97	0.141
Steele City	MT	Fallon	243.189	243.487	0.298	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	94	0.280
Steele City	MT	Fallon	243.487	243.576	0.090	MT025	Marvan silty clay, 2 to 8 percent slopes	98	0.088
Steele City	MT	Fallon	243.576	243.628	0.051	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	96	0.049
Steele City	MT	Fallon	243.628	243.893	0.265	MT025	Bascovy clay, 2 to 8 percent slopes	96	0.255
Steele City	MT	Fallon	243.893	244.083	0.189	MT025	Eapa loam, 2 to 8 percent slopes	14	0.027
Steele City	MT	Fallon	244.083	244.256	0.174	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	99	0.172
Steele City	MT	Fallon	244.256	244.335	0.079	MT025	Havre loam, 0 to 2 percent slopes	12	0.009
Steele City	MT	Fallon	244.335	244.662	0.327	MT025	Bonfri loam, 2 to 8 percent slopes	97	0.318
Steele City	MT	Fallon	244.662	244.728	0.066	MT025	Bonfri-Cambeth complex, 2 to 8 percent slopes	96	0.063
Steele City	MT	Fallon	244.728	244.862	0.134	MT025	Eapa loam, 2 to 8 percent slopes	14	0.019
Steele City	MT	Fallon	244.862	245.398	0.536	MT025	Bonfri-Cambeth complex, 2 to 8 percent slopes	96	0.515
Steele City	MT	Fallon	245.398	245.474	0.076	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	96	0.073
Steele City	MT	Fallon	245.474	245.588	0.114	MT025	Eapa loam, 2 to 8 percent slopes	14	0.016
Steele City	MT	Fallon	245.588	245.666	0.078	MT025	Bonfri loam, 2 to 8 percent slopes	97	0.075
Steele City	MT	Fallon	245.666	246.111	0.445	MT025	Eapa loam, 2 to 8 percent slopes	14	0.062
Steele City	MT	Fallon	246.111	246.149	0.038	MT025	Tanna-Ethridge silty clay loams, 2 to 8 percent slopes	55	0.021
Steele City	MT	Fallon	246.149	246.160	0.011	MT025	Gerdrum clay loam, 2 to 8 percent slopes	97	0.011
Steele City	MT	Fallon	246.160	246.772	0.612	MT025	Tanna-Ethridge silty clay loams, 2 to 8 percent slopes	55	0.337
Steele City	MT	Fallon	246.772	247.326	0.554	MT025	Bonfri-Cambeth complex, 2 to 8 percent slopes	96	0.532
Steele City	MT	Fallon	247.326	247.402	0.076	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	39	0.030
Steele City	MT	Fallon	247.402	247.443	0.041	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	97	0.040
Steele City	MT	Fallon	247.443	247.667	0.224	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	93	0.209
Steele City	MT	Fallon	247.667	247.791	0.123	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	74	0.091

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	MT	Fallon	247.791	248.107	0.316	MT025	Tanna-Ethridge silty clay loams, 2 to 8 percent slopes	55	0.174
Steele City	MT	Fallon	248.107	248.327	0.220	MT025	Tanna-Ethridge silty clay loams, 8 to 15 percent slopes	58	0.128
Steele City	MT	Fallon	248.327	248.405	0.078	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	74	0.058
Steele City	MT	Fallon	248.405	248.673	0.268	MT025	Tanna-Ethridge silty clay loams, 8 to 15 percent slopes	58	0.156
Steele City	MT	Fallon	248.673	248.800	0.127	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	74	0.094
Steele City	MT	Fallon	248.800	249.185	0.385	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	93	0.358
Steele City	MT	Fallon	249.185	249.521	0.336	MT025	Bonfri loam, 2 to 8 percent slopes	97	0.326
Steele City	MT	Fallon	249.521	249.586	0.064	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	96	0.062
Steele City	MT	Fallon	249.586	249.689	0.103	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	39	0.040
Steele City	MT	Fallon	249.689	249.712	0.023	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	96	0.022
Steele City	MT	Fallon	249.712	249.722	0.010	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	39	0.004
Steele City	MT	Fallon	249.722	249.729	0.007	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	96	0.007
Steele City	MT	Fallon	249.729	249.729	0.001	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	39	0.000
Steele City	MT	Fallon	249.729	249.896	0.167	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	96	0.160
Steele City	MT	Fallon	249.896	250.039	0.143	MT025	Havre loam, 0 to 2 percent slopes	12	0.017
Steele City	MT	Fallon	250.039	250.123	0.083	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	39	0.032
Steele City	MT	Fallon	250.123	250.227	0.104	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	96	0.100
Steele City	MT	Fallon	250.227	250.306	0.079	MT025	Gerdrum clay loam, 2 to 8 percent slopes	97	0.077
Steele City	MT	Fallon	250.306	250.401	0.095	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	96	0.091
Steele City	MT	Fallon	250.401	250.619	0.219	MT025	Gerdrum clay loam, 2 to 8 percent slopes	97	0.212
Steele City	MT	Fallon	250.619	250.713	0.093	MT025	Havre loam, 0 to 2 percent slopes	12	0.011
Steele City	MT	Fallon	250.713	250.820	0.107	MT025	Bonfri-Cambeth complex, 2 to 8 percent slopes	96	0.103
Steele City	MT	Fallon	250.820	251.051	0.231	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	74	0.171
Steele City	MT	Fallon	251.051	251.129	0.079	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	96	0.075
Steele City	MT	Fallon	251.129	251.234	0.104	MT025	Cabbart silt loam, 4 to 15 percent slopes	94	0.098
Steele City	MT	Fallon	251.234	251.612	0.378	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	93	0.352
Steele City	MT	Fallon	251.612	251.671	0.059	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	74	0.044
Steele City	MT	Fallon	251.671	251.755	0.084	MT025	Tanna-Ethridge silty clay loams, 2 to 8 percent slopes	55	0.046
Steele City	MT	Fallon	251.755	251.983	0.227	MT025	Gerdrum clay loam, 2 to 8 percent slopes	97	0.220
Steele City	MT	Fallon	251.983	252.017	0.034	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	96	0.033
Steele City	MT	Fallon	252.017	252.128	0.112	MT025	Gerdrum clay loam, 2 to 8 percent slopes	97	0.108
Steele City	MT	Fallon	252.128	252.213	0.085	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	74	0.063
Steele City	MT	Fallon	252.213	252.602	0.389	MT025	Twilight fine sandy loam, 8 to 15 percent slopes	88	0.342
Steele City	MT	Fallon	252.602	253.070	0.467	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	96	0.448
Steele City	MT	Fallon	253.070	253.118	0.048	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	74	0.036
Steele City	MT	Fallon	253.118	253.303	0.185	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	96	0.178
Steele City	MT	Fallon	253.303	253.344	0.041	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	74	0.031
Steele City	MT	Fallon	253.344	253.465	0.120	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	96	0.116
Steele City	MT	Fallon	253.465	254.648	1.184	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	74	0.876
Steele City	MT	Fallon	254.648	254.831	0.182	MT025	Badland	15	0.027
Steele City	MT	Fallon	254.831	254.884	0.053	MT025	Yamacall-Delpoint loams, 2 to 8 percent slopes	97	0.051
Steele City	MT	Fallon	254.884	255.083	0.199	MT025	Badland	15	0.030
Steele City	MT	Fallon	255.083	255.160	0.077	MT025	Twilight fine sandy loam, 2 to 8 percent slopes	88	0.068
Steele City	MT	Fallon	255.160	255.191	0.031	MT025	Badland	15	0.005
Steele City	MT	Fallon	255.191	255.334	0.143	MT025	Twilight fine sandy loam, 2 to 8 percent slopes	88	0.126
Steele City	MT	Fallon	255.334	255.466	0.132	MT025	Badland	15	0.020
Steele City	MT	Fallon	255.466	255.622	0.156	MT025	Twilight fine sandy loam, 2 to 8 percent slopes	88	0.137
Steele City	MT	Fallon	255.622	255.762	0.140	MT025	Yamacall-Delpoint loams, 2 to 8 percent slopes	97	0.136
Steele City	MT	Fallon	255.762	255.887	0.126	MT025	Archin loam, 2 to 8 percent slopes	94	0.118
Steele City	MT	Fallon	255.887	255.978	0.091	MT025	Busby fine sandy loam, 8 to 15 percent slopes	10	0.009
Steele City	MT	Fallon	255.978	256.139	0.161	MT025	Archin-Ynot complex, 2 to 8 percent slopes	54	0.087
Steele City	MT	Fallon	256.139	256.239	0.100	MT025	Creed loam, 2 to 8 percent slopes	97	0.097
Steele City	MT	Fallon	256.239	256.580	0.341	MT025	Carfall-Assinniboine complex, 2 to 8 percent slopes	11	0.038
Steele City	MT	Fallon	256.580	256.713	0.132	MT025	Carfall-Assinniboine complex, 8 to 15 percent slopes	9	0.012
Steele City	MT	Fallon	256.713	256.832	0.119	MT025	Ynot sandy loam, 2 to 8 percent slopes	3	0.004
Steele City	MT	Fallon	256.832	256.860	0.028	MT025	Archin-Absher complex, 2 to 8 percent slopes	94	0.026
Steele City	MT	Fallon	256.860	257.010	0.150	MT025	Archin loam, 2 to 8 percent slopes	94	0.141
Steele City	MT	Fallon	257.010	257.324	0.314	MT025	Archin-Ynot complex, 2 to 8 percent slopes	54	0.169
Steele City	MT	Fallon	257.324	257.541	0.216	MT025	Ynot sandy loam, 2 to 8 percent slopes	3	0.006
Steele City	MT	Fallon	257.541	257.754	0.213	MT025	Carfall-Assinniboine complex, 2 to 8 percent slopes	11	0.023
Steele City	MT	Fallon	257.754	257.834	0.080	MT025	Ynot sandy loam, 2 to 8 percent slopes	3	0.002
Steele City	MT	Fallon	257.834	258.018	0.184	MT025	Carfall-Assinniboine complex, 8 to 15 percent slopes	9	0.017
Steele City	MT	Fallon	258.018	258.141	0.123	MT025	Archin loam, 2 to 8 percent slopes	94	0.116
Steele City	MT	Fallon	258.141	258.176	0.035	MT025	Chinook sandy loam, 2 to 8 percent slopes	5	0.002
Steele City	MT	Fallon	258.176	258.248	0.072	MT025	Archin-Absher complex, 2 to 8 percent slopes	94	0.067
Steele City	MT	Fallon	258.248	258.310	0.062	MT025	Archin loam, 2 to 8 percent slopes	94	0.059
Steele City	MT	Fallon	258.310	258.341	0.031	MT025	Archin-Absher complex, 2 to 8 percent slopes	94	0.029
Steele City	MT	Fallon	258.341	258.458	0.117	MT025	Havre loam, saline, 0 to 2 percent slopes	97	0.114
Steele City	MT	Fallon	258.458	258.584	0.126	MT025	Archin-Absher complex, 0 to 2 percent slopes	97	0.123
Steele City	MT	Fallon	258.584	258.693	0.109	MT025	Archin loam, 2 to 8 percent slopes	94	0.102
Steele City	MT	Fallon	258.693	258.826	0.133	MT025	Archin-Absher complex, 2 to 8 percent slopes	94	0.125
Steele City	MT	Fallon	258.826	258.887	0.061	MT025	Archin-Ynot complex, 2 to 8 percent slopes	54	0.033
Steele City	MT	Fallon	258.887	258.954	0.067	MT025	Archin-Absher complex, 2 to 8 percent slopes	94	0.063
Steele City	MT	Fallon	258.954	259.115	0.162	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	94	0.152
Steele City	MT	Fallon	259.115	259.321	0.205	MT025	Twilight-Bonfri complex, 8 to 15 percent slopes	94	0.193
Steele City	MT	Fallon	259.321	259.509	0.188	MT025	Archin-Ynot complex, 2 to 8 percent slopes	54	0.102
Steele City	MT	Fallon	259.509	259.610	0.101	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	21	0.021
Steele City	MT	Fallon	259.610	259.643	0.032	MT025	Archin-Ynot complex, 2 to 8 percent slopes	54	0.017
Steele City	MT	Fallon	259.643	259.753	0.111	MT025	Archin loam, 2 to 8 percent slopes	94	0.104
Steele City	MT	Fallon	259.753	259.900	0.147	MT025	Twilight-Bonfri complex, 8 to 15 percent slopes	94	0.138
Steele City	MT	Fallon	259.900	260.338	0.438	MT025	Carfall-Assinniboine complex, 2 to 8 percent slopes	11	0.048
Steele City	MT	Fallon	260.338	260.419	0.082	MT025	Archin-Absher complex, 2 to 8 percent slopes	94	0.077
Steele City	MT	Fallon	260.419	260.626	0.207	MT025	Carfall-Assinniboine complex, 8 to 15 percent slopes	9	0.019
Steele City	MT	Fallon	260.626	260.813	0.187	MT025	Archin-Ynot complex, 2 to 8 percent slopes	54	0.101
Steele City	MT	Fallon	260.813	260.937	0.124	MT025	Carfall loam, 2 to 8 percent slopes	6	0.007
Steele City	MT	Fallon	260.937	261.046	0.109	MT025	Archin-Ynot complex, 2 to 8 percent slopes	54	0.059
Steele City	MT	Fallon	261.046	261.114	0.069	MT025	Archin-Absher complex, 2 to 8 percent slopes	94	0.065
Steele City	MT	Fallon	261.114	261.274	0.159	MT025	Archin loam, 2 to 8 percent slopes	94	0.150
Steele City	MT	Fallon	261.274	261.344	0.071	MT025	Eapa-Yamacall loams, 2 to 8 percent slopes	55	0.039
Steele City	MT	Fallon	261.344	261.565	0.221	MT025	Ynot sandy loam, 2 to 8 percent slopes	3	0.007
Steele City	MT	Fallon	261.565	262.119	0.554	MT025	Ynot sandy loam, 0 to 2 percent slopes	7	0.039
Steele City	MT	Fallon	262.119	262.365	0.246	MT025	Carfall loam, 2 to 8 percent slopes	6	0.015
Steele City	MT	Fallon	262.365	262.711	0.346	MT025	Hanly-Ryell fine sandy loams, 0 to 4 percent slopes	44	0.152

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	MT	Fallon	262.711	262.767	0.056	MT025	Yawdim-Blacksheep-Rock outcrop complex, 15 to 45 percent slopes	6	0.003
Steele City	MT	Fallon	262.767	263.041	0.274	MT025	Ynot sandy loam, 2 to 8 percent slopes	3	0.008
Steele City	MT	Fallon	263.041	263.477	0.436	MT025	Chinook-Archin complex, 2 to 8 percent slopes	46	0.201
Steele City	MT	Fallon	263.477	263.540	0.063	MT025	Ynot sandy loam, 2 to 8 percent slopes	3	0.002
Steele City	MT	Fallon	263.540	263.591	0.051	MT025	Chinook sandy loam, 8 to 15 percent slopes	7	0.004
Steele City	MT	Fallon	263.591	263.625	0.034	MT025	Ynot sandy loam, 2 to 8 percent slopes	3	0.001
Steele City	MT	Fallon	263.625	263.650	0.024	MT025	Chinook-Archin complex, 2 to 8 percent slopes	46	0.011
Steele City	MT	Fallon	263.650	263.693	0.043	MT025	Ynot sandy loam, 2 to 8 percent slopes	3	0.001
Steele City	MT	Fallon	263.693	264.101	0.408	MT025	Chinook-Assinniboine complex, 2 to 8 percent slopes	6	0.024
Steele City	MT	Fallon	264.101	264.192	0.091	MT025	Chinook-Archin complex, 2 to 8 percent slopes	46	0.042
Steele City	MT	Fallon	264.192	264.270	0.078	MT025	Chinook sandy loam, 2 to 8 percent slopes	5	0.004
Steele City	MT	Fallon	264.270	264.502	0.232	MT025	Chinook-Archin complex, 2 to 8 percent slopes	46	0.107
Steele City	MT	Fallon	264.502	264.618	0.115	MT025	Badland	15	0.017
Steele City	MT	Fallon	264.618	265.019	0.401	MT025	Chinook-Archin complex, 2 to 8 percent slopes	46	0.184
Steele City	MT	Fallon	265.019	265.129	0.110	MT025	Badland	15	0.017
Steele City	MT	Fallon	265.129	265.179	0.050	MT025	Chinook-Archin complex, 2 to 8 percent slopes	46	0.023
Steele City	MT	Fallon	265.179	265.611	0.432	MT025	Zeona-Blacksheep-Rock outcrop complex, 4 to 15 percent slopes	11	0.048
Steele City	MT	Fallon	265.611	265.637	0.025	MT025	Chinook-Archin complex, 2 to 8 percent slopes	46	0.012
Steele City	MT	Fallon	265.637	265.745	0.108	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	99	0.107
Steele City	MT	Fallon	265.745	266.152	0.407	MT025	Chinook-Archin complex, 2 to 8 percent slopes	46	0.187
Steele City	MT	Fallon	266.152	266.681	0.529	MT025	Archin-Absher complex, 2 to 8 percent slopes	94	0.497
Steele City	MT	Fallon	266.681	266.867	0.186	MT025	Chinook-Assinniboine complex, 2 to 8 percent slopes	6	0.011
Steele City	MT	Fallon	266.867	267.043	0.176	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	21	0.037
Steele City	MT	Fallon	267.043	267.341	0.298	MT025	Chinook-Archin complex, 2 to 8 percent slopes	46	0.137
Steele City	MT	Fallon	267.341	267.462	0.121	MT025	Archin, gullied-Delpoint complex, 4 to 15 percent slopes	97	0.117
Steele City	MT	Fallon	267.462	267.612	0.150	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	21	0.032
Steele City	MT	Fallon	267.612	267.837	0.225	MT025	Chinook sandy loam, 2 to 8 percent slopes	5	0.011
Steele City	MT	Fallon	267.837	268.158	0.321	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	21	0.067
Steele City	MT	Fallon	268.158	268.247	0.089	MT025	Chinook sandy loam, 2 to 8 percent slopes	5	0.004
Steele City	MT	Fallon	268.247	268.916	0.669	MT025	Archin-Absher complex, 2 to 8 percent slopes	94	0.629
Steele City	MT	Fallon	268.916	268.945	0.030	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	100	0.030
Steele City	MT	Fallon	268.945	269.163	0.217	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	21	0.046
Steele City	MT	Fallon	269.163	269.358	0.195	MT025	Chinook-Archin complex, 2 to 8 percent slopes	46	0.090
Steele City	MT	Fallon	269.358	269.403	0.045	MT025	Archin-Absher complex, 2 to 8 percent slopes	94	0.042
Steele City	MT	Fallon	269.403	269.418	0.016	MT025	Chinook-Archin complex, 2 to 8 percent slopes	46	0.007
Steele City	MT	Fallon	269.418	269.518	0.099	MT025	Blacksheep-Twilight fine sandy loams, 15 to 45 percent slopes	46	0.046
Steele City	MT	Fallon	269.518	269.609	0.091	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	21	0.019
Steele City	MT	Fallon	269.609	269.612	0.003	MT025	Busby fine sandy loam, 2 to 8 percent slopes	9	0.000
Steele City	MT	Fallon	269.612	269.623	0.011	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	21	0.002
Steele City	MT	Fallon	269.623	269.734	0.112	MT025	Busby fine sandy loam, 2 to 8 percent slopes	9	0.010
Steele City	MT	Fallon	269.734	269.815	0.081	MT025	Busby fine sandy loam, 8 to 15 percent slopes	10	0.008
Steele City	MT	Fallon	269.815	269.832	0.017	MT025	Archin-Ynot complex, 2 to 8 percent slopes	54	0.009
Steele City	MT	Fallon	269.832	269.885	0.053	MT025	Busby fine sandy loam, 8 to 15 percent slopes	10	0.005
Steele City	MT	Fallon	269.885	269.921	0.036	MT025	Archin-Ynot complex, 2 to 8 percent slopes	54	0.019
Steele City	MT	Fallon	269.921	270.025	0.104	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	21	0.022
Steele City	MT	Fallon	270.025	270.201	0.176	MT025	Busby fine sandy loam, 2 to 8 percent slopes	9	0.016
Steele City	MT	Fallon	270.201	270.243	0.042	MT025	Yawdim-Blacksheep-Rock outcrop complex, 15 to 45 percent slopes	6	0.003
Steele City	MT	Fallon	270.243	270.293	0.050	MT025	Blacksheep-Twilight fine sandy loams, 15 to 45 percent slopes	46	0.023
Steele City	MT	Fallon	270.293	270.374	0.081	MT025	Archin-Absher complex, 2 to 8 percent slopes	94	0.076
Steele City	MT	Fallon	270.374	270.451	0.077	MT025	Archin loam, 2 to 8 percent slopes	94	0.073
Steele City	MT	Fallon	270.451	270.484	0.033	MT025	Archin-Absher complex, 2 to 8 percent slopes	94	0.031
Steele City	MT	Fallon	270.484	270.599	0.114	MT025	Archin loam, 2 to 8 percent slopes	94	0.108
Steele City	MT	Fallon	270.599	270.680	0.081	MT025	Ynot sandy loam, 8 to 15 percent slopes	8	0.006
Steele City	MT	Fallon	270.680	270.866	0.186	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	21	0.039
Steele City	MT	Fallon	270.866	270.970	0.104	MT025	Chinook-Archin complex, 2 to 8 percent slopes	46	0.048
Steele City	MT	Fallon	270.970	271.071	0.101	MT025	Twilight-Delpoint complex, 2 to 8 percent slopes	96	0.097
Steele City	MT	Fallon	271.071	271.135	0.064	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	21	0.013
Steele City	MT	Fallon	271.135	271.242	0.107	MT025	Chinook-Archin complex, 2 to 8 percent slopes	46	0.049
Steele City	MT	Fallon	271.242	271.681	0.439	MT025	Chinook sandy loam, 2 to 8 percent slopes	5	0.022
Steele City	MT	Fallon	271.681	271.776	0.096	MT025	Chinook-Archin complex, 2 to 8 percent slopes	46	0.044
Steele City	MT	Fallon	271.776	271.791	0.015	MT025	Badland	15	0.002
Steele City	MT	Fallon	271.791	271.978	0.187	MT025	Chinook-Archin complex, 2 to 8 percent slopes	46	0.086
Steele City	MT	Fallon	271.978	272.064	0.086	MT025	Chinook sandy loam, 2 to 8 percent slopes	5	0.004
Steele City	MT	Fallon	272.064	272.204	0.140	MT025	Busby, gullied-Delpoint-Yawdim complex, 8 to 25 percent slopes	42	0.059
Steele City	MT	Fallon	272.204	272.237	0.033	MT025	Twilight fine sandy loam, 2 to 8 percent slopes	88	0.029
Steele City	MT	Fallon	272.237	272.435	0.198	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	51	0.101
Steele City	MT	Fallon	272.435	272.537	0.102	MT025	Chinook-Archin complex, 2 to 8 percent slopes	46	0.047
Steele City	MT	Fallon	272.537	272.722	0.185	MT025	Chinook sandy loam, 2 to 8 percent slopes	5	0.009
Steele City	MT	Fallon	272.722	272.855	0.133	MT025	Chinook-Archin complex, 2 to 8 percent slopes	46	0.061
Steele City	MT	Fallon	272.855	272.982	0.127	MT025	Archin loam, 2 to 8 percent slopes	94	0.120
Steele City	MT	Fallon	272.982	273.086	0.104	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	99	0.103
Steele City	MT	Fallon	273.086	273.144	0.057	MT025	Twilight-Cabbart complex, 8 to 15 percent slopes	95	0.055
Steele City	MT	Fallon	273.144	273.286	0.142	MT025	Ynot sandy loam, 8 to 15 percent slopes	8	0.011
Steele City	MT	Fallon	273.286	273.346	0.060	MT025	Assinniboine-Ynot complex, 2 to 8 percent slopes	7	0.004
Steele City	MT	Fallon	273.346	273.421	0.075	MT025	Twilight-Cabbart complex, 8 to 15 percent slopes	95	0.071
Steele City	MT	Fallon	273.421	273.527	0.106	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	99	0.105
Steele City	MT	Fallon	273.527	273.624	0.097	MT025	Eapa loam, 2 to 8 percent slopes	14	0.014
Steele City	MT	Fallon	273.624	273.704	0.079	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	98	0.078
Steele City	MT	Fallon	273.704	273.734	0.030	MT025	Archin loam, 2 to 8 percent slopes	94	0.029
Steele City	MT	Fallon	273.734	273.945	0.211	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	97	0.205
Steele City	MT	Fallon	273.945	274.031	0.086	MT025	Eapa loam, 2 to 8 percent slopes	14	0.012
Steele City	MT	Fallon	274.031	274.092	0.062	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	97	0.060
Steele City	MT	Fallon	274.092	274.115	0.023	MT025	Eapa loam, 2 to 8 percent slopes	14	0.003
Steele City	MT	Fallon	274.115	274.187	0.071	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	97	0.069

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	MT	Fallon	274.187	274.228	0.041	MT025	Eapa loam, 2 to 8 percent slopes	14	0.006
Steele City	MT	Fallon	274.228	274.276	0.048	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	97	0.046
Steele City	MT	Fallon	274.276	274.342	0.067	MT025	Eapa loam, 2 to 8 percent slopes	14	0.009
Steele City	MT	Fallon	274.342	274.662	0.320	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	96	0.307
Steele City	MT	Fallon	274.662	274.777	0.115	MT025	Tanna-Ethridge silty clay loams, 2 to 8 percent slopes	55	0.063
Steele City	MT	Fallon	274.777	274.977	0.200	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	98	0.196
Steele City	MT	Fallon	274.977	275.036	0.059	MT025	Archin-Absher complex, 2 to 8 percent slopes	94	0.056
Steele City	MT	Fallon	275.036	275.129	0.092	MT025	Chinook-Archin complex, 2 to 8 percent slopes	46	0.043
Steele City	MT	Fallon	275.129	275.177	0.048	MT025	Archin-Absher complex, 2 to 8 percent slopes	94	0.045
Steele City	MT	Fallon	275.177	275.244	0.067	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	94	0.063
Steele City	MT	Fallon	275.244	275.265	0.021	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	98	0.020
Steele City	MT	Fallon	275.265	275.293	0.029	MT025	Eapa loam, 2 to 8 percent slopes	14	0.004
Steele City	MT	Fallon	275.293	275.377	0.084	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	98	0.082
Steele City	MT	Fallon	275.377	275.396	0.018	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	94	0.017
Steele City	MT	Fallon	275.396	275.483	0.088	MT025	Carfall-Assinniboine complex, 2 to 8 percent slopes	11	0.010
Steele City	MT	Fallon	275.483	275.669	0.185	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	98	0.182
Steele City	MT	Fallon	275.669	276.200	0.532	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	94	0.500
Steele City	MT	Fallon	276.200	276.284	0.083	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	98	0.082
Steele City	MT	Fallon	276.284	276.372	0.089	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	94	0.083
Steele City	MT	Fallon	276.372	277.002	0.630	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	99	0.624
Steele City	MT	Fallon	277.002	277.041	0.039	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	98	0.038
Steele City	MT	Fallon	277.041	277.605	0.564	MT025	Archin-Ynot complex, 2 to 8 percent slopes	54	0.304
Steele City	MT	Fallon	277.605	277.705	0.100	MT025	Ynot sandy loam, 2 to 8 percent slopes	3	0.003
Steele City	MT	Fallon	277.705	277.992	0.287	MT025	Archin-Ynot complex, 2 to 8 percent slopes	54	0.155
Steele City	MT	Fallon	277.992	278.377	0.384	MT025	Archin-Absher complex, 0 to 2 percent slopes	97	0.373
Steele City	MT	Fallon	278.377	278.655	0.278	MT025	Archin-Ynot complex, 2 to 8 percent slopes	54	0.150
Steele City	MT	Fallon	278.655	278.802	0.147	MT025	Archin-Absher complex, 0 to 2 percent slopes	97	0.143
Steele City	MT	Fallon	278.802	278.805	0.003	MT025	Archin-Ynot complex, 2 to 8 percent slopes	54	0.002
Steele City	MT	Fallon	278.805	279.071	0.266	MT025	Archin-Absher complex, 0 to 2 percent slopes	97	0.258
Steele City	MT	Fallon	279.071	279.196	0.125	MT025	Gerdrum-Absher complex, 0 to 2 percent slopes	99	0.124
Steele City	MT	Fallon	279.196	279.393	0.197	MT025	Busby, gullied-Delpoint-Yawdim complex, 8 to 25 percent slopes	42	0.083
Steele City	MT	Fallon	279.393	279.424	0.031	MT025	Archin loam, 2 to 8 percent slopes	94	0.029
Steele City	MT	Fallon	279.424	279.593	0.170	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	98	0.166
Steele City	MT	Fallon	279.593	279.637	0.044	MT025	Archin loam, 2 to 8 percent slopes	94	0.041
Steele City	MT	Fallon	279.637	279.732	0.095	MT025	Eapa-Yamacall loams, 2 to 8 percent slopes	55	0.052
Steele City	MT	Fallon	279.732	279.808	0.076	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	98	0.074
Steele City	MT	Fallon	279.808	279.904	0.096	MT025	Eapa-Yamacall loams, 2 to 8 percent slopes	55	0.053
Steele City	MT	Fallon	279.904	280.036	0.132	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	98	0.129
Steele City	MT	Fallon	280.036	280.247	0.211	MT025	Archin loam, 2 to 8 percent slopes	94	0.198
Steele City	MT	Fallon	280.247	280.279	0.032	MT025	Archin-Absher complex, 2 to 8 percent slopes	94	0.030
Steele City	MT	Fallon	280.279	280.462	0.184	MT025	Archin loam, 2 to 8 percent slopes	94	0.173
Steele City	MT	Fallon	280.462	280.512	0.050	MT025	Archin-Absher complex, 2 to 8 percent slopes	94	0.047
Steele City	MT	Fallon	280.512	280.691	0.179	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	94	0.168
Steele City	MT	Fallon	280.691	280.801	0.111	MT025	Archin-Absher complex, 2 to 8 percent slopes	94	0.104
Steele City	MT	Fallon	280.801	281.042	0.241	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	98	0.236
Steele City	MT	Fallon	281.042	281.102	0.060	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	94	0.056
Steele City	MT	Fallon	281.102	281.181	0.078	MT025	Archin loam, 2 to 8 percent slopes	94	0.074
Steele City	MT	Fallon	281.181	281.236	0.055	MT025	Assinniboine sandy clay loam, 0 to 2 percent slopes	15	0.008
Steele City	MT	Fallon	281.236	281.315	0.079	MT025	Archin loam, 2 to 8 percent slopes	94	0.075
Steele City	MT	Fallon	281.315	281.424	0.109	MT025	Glendive sandy loam, 0 to 2 percent slopes	88	0.096
Steele City	MT	Fallon	281.436	281.478	0.042	MT025	Glendive sandy loam, 0 to 2 percent slopes	88	0.037
Steele City	MT	Fallon	281.478	281.862	0.384	MT025	Eapa-Yamacall loams, 2 to 8 percent slopes	55	0.211
Steele City	MT	Fallon	281.862	281.980	0.118	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	94	0.111
Steele City	MT	Fallon	281.980	282.070	0.090	MT025	Parchin-Bullock complex, 2 to 8 percent slopes	97	0.087
Steele City	MT	Fallon	282.070	282.176	0.106	MT025	Archin loam, 2 to 8 percent slopes	94	0.100
Steele City	MT	Fallon	282.176	282.403	0.227	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	98	0.222
Steele City	MT	Fallon	282.403	282.465	0.061	MT025	Parchin-Bullock complex, 2 to 8 percent slopes	97	0.060
Steele City	MT	Fallon	282.465	282.518	0.053	MT025	Twilight-Bonfri complex, 2 to 8 percent slopes	94	0.050
Steele City	SD	Harding	282.518	282.546	0.028	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.010
Steele City	SD	Harding	282.546	282.719	0.173	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.138
Steele City	SD	Harding	282.719	282.809	0.090	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.078
Steele City	SD	Harding	282.809	282.967	0.158	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.071
Steele City	SD	Harding	282.967	283.036	0.068	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.059
Steele City	SD	Harding	283.036	283.112	0.076	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.034
Steele City	SD	Harding	283.112	283.603	0.491	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.172
Steele City	SD	Harding	283.603	283.812	0.209	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	8	0.017
Steele City	SD	Harding	283.812	284.039	0.228	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.080
Steele City	SD	Harding	284.039	284.198	0.159	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.127
Steele City	SD	Harding	284.198	284.589	0.390	SD063	Badlands	13	0.051
Steele City	SD	Harding	284.589	284.944	0.356	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.285
Steele City	SD	Harding	284.944	284.965	0.021	SD063	Cabbart-Delridge loams, 15 to 40 percent slopes	9	0.002
Steele City	SD	Harding	284.965	285.059	0.094	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.075
Steele City	SD	Harding	285.059	285.108	0.049	SD063	Cabbart-Delridge loams, 15 to 40 percent slopes	9	0.004
Steele City	SD	Harding	285.108	285.194	0.086	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.069
Steele City	SD	Harding	285.194	285.220	0.027	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.023
Steele City	SD	Harding	285.220	285.575	0.355	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.284
Steele City	SD	Harding	285.575	285.681	0.105	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.091
Steele City	SD	Harding	285.681	285.742	0.061	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.021
Steele City	SD	Harding	285.742	285.763	0.022	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.017
Steele City	SD	Harding	285.763	285.829	0.066	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.023
Steele City	SD	Harding	285.829	286.215	0.385	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.308
Steele City	SD	Harding	286.215	286.276	0.061	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.052
Steele City	SD	Harding	286.276	286.323	0.048	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.038
Steele City	SD	Harding	286.323	286.346	0.022	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.019
Steele City	SD	Harding	286.346	286.464	0.118	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.094
Steele City	SD	Harding	286.464	286.544	0.080	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.069
Steele City	SD	Harding	286.544	286.718	0.175	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.140
Steele City	SD	Harding	286.718	286.876	0.158	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	10	0.016
Steele City	SD	Harding	286.876	286.994	0.118	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.102
Steele City	SD	Harding	286.994	287.083	0.089	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	10	0.009
Steele City	SD	Harding	287.083	287.184	0.101	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.035
Steele City	SD	Harding	287.184	287.279	0.095	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	10	0.009
Steele City	SD	Harding	287.279	287.641	0.363	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.127
Steele City	SD	Harding	287.641	287.711	0.070	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	10	0.007
Steele City	SD	Harding	287.711	287.754	0.043	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.015

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	SD	Harding	287.754	287.923	0.168	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.145
Steele City	SD	Harding	287.923	287.942	0.019	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.011
Steele City	SD	Harding	287.942	287.991	0.049	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.042
Steele City	SD	Harding	287.991	288.038	0.047	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.026
Steele City	SD	Harding	288.038	288.226	0.188	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.162
Steele City	SD	Harding	288.226	288.263	0.037	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.030
Steele City	SD	Harding	288.263	288.375	0.112	SD063	Delridge-Cabbart loams, 6 to 15 percent slopes	10	0.011
Steele City	SD	Harding	288.375	288.443	0.068	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.038
Steele City	SD	Harding	288.443	288.663	0.220	SD063	Delridge-Cabbart loams, 6 to 15 percent slopes	10	0.022
Steele City	SD	Harding	288.663	288.748	0.085	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.048
Steele City	SD	Harding	288.748	288.953	0.205	SD063	Gerdrum silt loam, 0 to 4 percent slopes	100	0.205
Steele City	SD	Harding	288.953	288.983	0.030	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.017
Steele City	SD	Harding	288.983	289.057	0.075	SD063	Gerdrum silt loam, 0 to 4 percent slopes	100	0.075
Steele City	SD	Harding	289.057	289.167	0.110	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.062
Steele City	SD	Harding	289.167	289.282	0.114	SD063	Gerdrum silt loam, 0 to 4 percent slopes	100	0.114
Steele City	SD	Harding	289.282	289.441	0.160	SD063	Eapa-Archin complex, 0 to 3 percent slopes	94	0.150
Steele City	SD	Harding	289.441	289.498	0.056	SD063	Sage loam	100	0.056
Steele City	SD	Harding	289.498	289.672	0.174	SD063	Korchea loam, channeled	16	0.028
Steele City	SD	Harding	289.672	289.923	0.252	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	8	0.020
Steele City	SD	Harding	289.923	289.955	0.032	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.027
Steele City	SD	Harding	289.955	289.973	0.018	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.008
Steele City	SD	Harding	289.973	290.024	0.051	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.044
Steele City	SD	Harding	290.024	290.206	0.181	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.082
Steele City	SD	Harding	290.206	290.675	0.470	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.404
Steele City	SD	Harding	290.675	290.755	0.079	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.036
Steele City	SD	Harding	290.755	290.907	0.153	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.131
Steele City	SD	Harding	290.907	290.931	0.024	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.008
Steele City	SD	Harding	290.931	291.031	0.100	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.086
Steele City	SD	Harding	291.031	291.187	0.156	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.125
Steele City	SD	Harding	291.187	291.271	0.084	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.030
Steele City	SD	Harding	291.271	291.414	0.143	SD063	Bullock-Slickspots complex, 0 to 4 percent slopes	88	0.126
Steele City	SD	Harding	291.414	291.722	0.308	SD063	Gerdrum silt loam, 0 to 4 percent slopes	100	0.308
Steele City	SD	Harding	291.722	291.883	0.161	SD063	Havre loam	97	0.156
Steele City	SD	Harding	291.883	292.058	0.174	SD063	Glendive fine sandy loam	100	0.174
Steele City	SD	Harding	292.093	292.122	0.029	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	8	0.002
Steele City	SD	Harding	292.122	292.438	0.316	SD063	Havre-Harlake complex	94	0.297
Steele City	SD	Harding	292.438	292.460	0.022	SD063	Glendive fine sandy loam	100	0.022
Steele City	SD	Harding	292.460	292.584	0.123	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	8	0.010
Steele City	SD	Harding	292.584	292.822	0.238	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.205
Steele City	SD	Harding	292.822	293.265	0.443	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.155
Steele City	SD	Harding	293.265	293.320	0.055	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	9	0.005
Steele City	SD	Harding	293.320	293.947	0.627	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.220
Steele City	SD	Harding	293.947	293.964	0.016	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	8	0.001
Steele City	SD	Harding	293.964	294.010	0.046	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.016
Steele City	SD	Harding	294.010	294.113	0.103	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	8	0.008
Steele City	SD	Harding	294.113	294.119	0.006	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.005
Steele City	SD	Harding	294.119	294.204	0.085	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.048
Steele City	SD	Harding	294.204	294.257	0.053	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.046
Steele City	SD	Harding	294.257	294.288	0.031	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.017
Steele City	SD	Harding	294.288	294.351	0.063	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.054
Steele City	SD	Harding	294.351	294.403	0.051	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.029
Steele City	SD	Harding	294.403	294.519	0.116	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.100
Steele City	SD	Harding	294.519	294.614	0.096	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.054
Steele City	SD	Harding	294.614	294.680	0.066	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.057
Steele City	SD	Harding	294.680	294.997	0.316	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.177
Steele City	SD	Harding	294.997	295.077	0.081	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.069
Steele City	SD	Harding	295.077	295.216	0.139	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.078
Steele City	SD	Harding	295.216	295.346	0.129	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.111
Steele City	SD	Harding	295.346	295.423	0.078	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.044
Steele City	SD	Harding	295.423	295.545	0.121	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.097
Steele City	SD	Harding	295.545	295.602	0.057	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.049
Steele City	SD	Harding	295.602	295.757	0.156	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.125
Steele City	SD	Harding	295.757	296.084	0.326	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	34	0.111
Steele City	SD	Harding	296.084	296.384	0.300	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.258
Steele City	SD	Harding	296.384	296.734	0.350	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.123
Steele City	SD	Harding	296.734	297.013	0.279	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.156
Steele City	SD	Harding	297.013	297.255	0.242	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.208
Steele City	SD	Harding	297.255	297.605	0.349	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.196
Steele City	SD	Harding	297.605	297.834	0.229	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	87	0.199
Steele City	SD	Harding	297.834	297.962	0.129	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.045
Steele City	SD	Harding	297.962	298.037	0.075	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.026
Steele City	SD	Harding	298.037	298.200	0.163	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.057
Steele City	SD	Harding	298.200	298.274	0.074	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	34	0.025
Steele City	SD	Harding	298.274	298.488	0.214	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.075
Steele City	SD	Harding	298.488	299.094	0.605	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.521
Steele City	SD	Harding	299.094	299.175	0.082	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.037
Steele City	SD	Harding	299.175	299.605	0.429	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.369
Steele City	SD	Harding	299.605	299.736	0.132	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.046
Steele City	SD	Harding	299.736	299.782	0.046	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.016
Steele City	SD	Harding	299.782	299.829	0.047	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.016
Steele City	SD	Harding	299.829	299.926	0.098	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.044
Steele City	SD	Harding	299.926	299.979	0.052	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.045
Steele City	SD	Harding	299.979	300.010	0.031	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.014
Steele City	SD	Harding	300.010	300.053	0.043	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.037
Steele City	SD	Harding	300.053	300.174	0.121	SD063	Sage loam	100	0.121
Steele City	SD	Harding	300.174	300.235	0.061	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.021
Steele City	SD	Harding	300.235	300.359	0.125	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.100
Steele City	SD	Harding	300.359	300.441	0.082	SD063	Sage loam	100	0.082
Steele City	SD	Harding	300.441	300.744	0.303	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.106
Steele City	SD	Harding	300.744	300.826	0.082	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.070
Steele City	SD	Harding	300.826	300.993	0.167	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.058
Steele City	SD	Harding	300.993	301.214	0.221	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.077
Steele City	SD	Harding	301.214	301.276	0.062	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.035
Steele City	SD	Harding	301.276	301.450	0.175	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.150
Steele City	SD	Harding	301.450	301.538	0.088	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.049

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	SD	Harding	301.538	301.797	0.258	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.207
Steele City	SD	Harding	301.797	302.019	0.222	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.100
Steele City	SD	Harding	302.019	302.214	0.195	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.068
Steele City	SD	Harding	302.214	302.696	0.482	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	8	0.039
Steele City	SD	Harding	302.696	302.726	0.029	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.025
Steele City	SD	Harding	302.726	303.245	0.520	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.182
Steele City	SD	Harding	303.245	303.396	0.151	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.085
Steele City	SD	Harding	303.396	303.805	0.409	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.143
Steele City	SD	Harding	303.805	303.893	0.088	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.031
Steele City	SD	Harding	303.893	304.121	0.228	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	8	0.018
Steele City	SD	Harding	304.121	304.251	0.130	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.073
Steele City	SD	Harding	304.251	304.431	0.179	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.154
Steele City	SD	Harding	304.431	304.601	0.170	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	37	0.063
Steele City	SD	Harding	304.601	304.668	0.067	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.054
Steele City	SD	Harding	304.668	304.869	0.201	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.112
Steele City	SD	Harding	304.869	305.174	0.305	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.244
Steele City	SD	Harding	305.174	305.283	0.109	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.038
Steele City	SD	Harding	305.283	305.360	0.078	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	9	0.007
Steele City	SD	Harding	305.360	305.474	0.114	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.051
Steele City	SD	Harding	305.474	305.729	0.255	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	9	0.023
Steele City	SD	Harding	305.729	306.062	0.333	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.150
Steele City	SD	Harding	306.062	306.512	0.451	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	87	0.392
Steele City	SD	Harding	306.512	306.541	0.028	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	37	0.011
Steele City	SD	Harding	306.541	306.717	0.176	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.099
Steele City	SD	Harding	306.717	307.079	0.361	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.163
Steele City	SD	Harding	307.079	307.185	0.106	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.037
Steele City	SD	Harding	307.185	307.379	0.194	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.167
Steele City	SD	Harding	307.379	307.494	0.116	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.065
Steele City	SD	Harding	307.494	307.601	0.106	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.091
Steele City	SD	Harding	307.601	307.830	0.229	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.183
Steele City	SD	Harding	307.830	307.947	0.118	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.041
Steele City	SD	Harding	307.947	308.031	0.084	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.072
Steele City	SD	Harding	308.031	308.108	0.076	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.027
Steele City	SD	Harding	308.108	308.620	0.512	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.410
Steele City	SD	Harding	308.620	308.670	0.051	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	8	0.004
Steele City	SD	Harding	308.670	308.772	0.102	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.057
Steele City	SD	Harding	308.772	308.963	0.191	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	34	0.065
Steele City	SD	Harding	308.963	309.210	0.247	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.138
Steele City	SD	Harding	309.210	309.420	0.210	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.168
Steele City	SD	Harding	309.420	309.575	0.155	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	8	0.012
Steele City	SD	Harding	309.575	310.006	0.431	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.151
Steele City	SD	Harding	310.006	310.105	0.100	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	8	0.008
Steele City	SD	Harding	310.105	310.305	0.199	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.070
Steele City	SD	Harding	310.305	310.564	0.260	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.223
Steele City	SD	Harding	310.564	310.601	0.037	SD063	Badlands	13	0.005
Steele City	SD	Harding	310.601	310.648	0.047	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.037
Steele City	SD	Harding	310.648	310.838	0.191	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.067
Steele City	SD	Harding	310.838	311.140	0.301	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	8	0.024
Steele City	SD	Harding	311.140	311.419	0.279	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.098
Steele City	SD	Harding	311.419	311.600	0.181	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.156
Steele City	SD	Harding	311.600	311.884	0.284	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.099
Steele City	SD	Harding	311.884	312.030	0.145	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.125
Steele City	SD	Harding	312.030	312.666	0.636	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.223
Steele City	SD	Harding	312.666	312.866	0.200	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.172
Steele City	SD	Harding	312.866	313.152	0.286	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.229
Steele City	SD	Harding	313.152	313.314	0.161	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	15	0.024
Steele City	SD	Harding	313.314	313.372	0.059	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.047
Steele City	SD	Harding	313.372	313.514	0.142	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.050
Steele City	SD	Harding	313.514	313.673	0.159	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.056
Steele City	SD	Harding	313.673	313.773	0.100	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.045
Steele City	SD	Harding	313.773	313.869	0.096	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	9	0.009
Steele City	SD	Harding	313.869	313.970	0.101	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.045
Steele City	SD	Harding	313.970	314.278	0.308	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.108
Steele City	SD	Harding	314.278	314.406	0.128	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	9	0.011
Steele City	SD	Harding	314.406	314.696	0.291	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	17	0.049
Steele City	SD	Harding	314.696	314.781	0.085	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.030
Steele City	SD	Harding	314.781	314.879	0.098	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.034
Steele City	SD	Harding	314.879	314.912	0.033	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	9	0.003
Steele City	SD	Harding	314.912	315.098	0.186	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	15	0.028
Steele City	SD	Harding	315.098	315.284	0.186	SD063	Marmarth fine sandy loam, 2 to 6 percent slopes	9	0.017
Steele City	SD	Harding	315.284	315.342	0.058	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.026
Steele City	SD	Harding	315.342	315.462	0.121	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	15	0.018
Steele City	SD	Harding	315.462	315.579	0.117	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.052
Steele City	SD	Harding	315.579	315.866	0.287	SD063	Assinniboine fine sandy loam, 3 to 6 percent slopes	11	0.032
Steele City	SD	Harding	315.866	315.950	0.084	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.072
Steele City	SD	Harding	315.950	316.353	0.404	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	9	0.036
Steele City	SD	Harding	316.353	316.591	0.238	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.107
Steele City	SD	Harding	316.591	316.739	0.148	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.083
Steele City	SD	Harding	316.739	317.243	0.504	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.227
Steele City	SD	Harding	317.243	317.503	0.260	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.146
Steele City	SD	Harding	317.503	317.780	0.276	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.221
Steele City	SD	Harding	317.780	318.027	0.247	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.087
Steele City	SD	Harding	318.027	318.040	0.014	SD063	Hanly fine sandy loam	15	0.002
Steele City	SD	Harding	318.040	318.143	0.103	SD063	Hanly-Dogiecreek fine sandy loams	53	0.054
Steele City	SD	Harding	318.143	318.359	0.216	SD063	Trey-Parchin-Bullock complex, 2 to 9 percent slopes	47	0.102
Steele City	SD	Harding	318.359	318.420	0.060	SD063	Zeona-Blownout land complex, 2 to 15 percent slopes	5	0.003
Steele City	SD	Harding	318.420	318.544	0.124	SD063	Trey-Parchin-Bullock complex, 2 to 9 percent slopes	47	0.058
Steele City	SD	Harding	318.544	318.602	0.058	SD063	Zeona-Blownout land complex, 2 to 15 percent slopes	5	0.003
Steele City	SD	Harding	318.602	318.820	0.217	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	8	0.017
Steele City	SD	Harding	318.820	319.486	0.666	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	17	0.113
Steele City	SD	Harding	319.486	319.855	0.369	SD063	Zeona loamy fine sand, 9 to 25 percent slopes	10	0.037
Steele City	SD	Harding	319.855	319.928	0.072	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	17	0.012
Steele City	SD	Harding	319.928	320.009	0.081	SD063	Zeona loamy fine sand, 9 to 25 percent slopes	10	0.008
Steele City	SD	Harding	320.009	320.064	0.055	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	17	0.009
Steele City	SD	Harding	320.064	320.607	0.543	SD063	Zeona loamy fine sand, 9 to 25 percent slopes	10	0.054

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	SD	Harding	320.607	320.725	0.118	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	8	0.009
Steele City	SD	Harding	320.725	321.763	1.037	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	9	0.093
Steele City	SD	Harding	321.763	321.809	0.047	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	8	0.004
Steele City	SD	Harding	321.809	321.875	0.066	SD063	Chinook fine sandy loam, 0 to 3 percent slopes	11	0.007
Steele City	SD	Harding	321.875	321.946	0.070	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	8	0.006
Steele City	SD	Harding	321.946	322.051	0.106	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	15	0.016
Steele City	SD	Harding	322.051	322.143	0.092	SD063	Chinook fine sandy loam, 0 to 3 percent slopes	11	0.010
Steele City	SD	Harding	322.143	322.637	0.494	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	15	0.074
Steele City	SD	Harding	322.637	322.797	0.160	SD063	Chinook-Archin fine sandy loams, 0 to 3 percent slopes	40	0.064
Steele City	SD	Harding	322.797	323.017	0.219	SD063	Chinook fine sandy loam, 0 to 3 percent slopes	11	0.024
Steele City	SD	Harding	323.017	323.108	0.092	SD063	Hanly-Dogiecreek fine sandy loams	53	0.049
Steele City	SD	Harding	323.108	323.209	0.100	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	8	0.008
Steele City	SD	Harding	323.209	323.250	0.042	SD063	Zeona-Blownout land complex, 2 to 15 percent slopes	5	0.002
Steele City	SD	Harding	323.250	323.315	0.065	SD063	Trey-Parchin-Bullock complex, 2 to 9 percent slopes	47	0.031
Steele City	SD	Harding	323.315	323.478	0.162	SD063	Hanly-Slickspots complex	40	0.065
Steele City	SD	Harding	323.478	323.547	0.069	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	8	0.006
Steele City	SD	Harding	323.547	323.740	0.193	SD063	Fleak-Trey-Rock outcrop complex, 15 to 50 percent slopes	10	0.019
Steele City	SD	Harding	323.740	324.028	0.288	SD063	Trey loamy fine sand, 2 to 9 percent slopes	8	0.023
Steele City	SD	Harding	324.028	324.561	0.534	SD063	Fleak-Trey-Rock outcrop complex, 15 to 50 percent slopes	10	0.053
Steele City	SD	Harding	324.561	324.956	0.395	SD063	Zeona-Blownout land complex, 2 to 15 percent slopes	5	0.020
Steele City	SD	Harding	324.956	325.176	0.220	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	17	0.037
Steele City	SD	Harding	325.176	325.481	0.305	SD063	Fleak-Trey-Rock outcrop complex, 15 to 50 percent slopes	10	0.030
Steele City	SD	Harding	325.481	325.567	0.086	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	9	0.008
Steele City	SD	Harding	325.567	325.619	0.052	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.023
Steele City	SD	Harding	325.619	325.663	0.044	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	9	0.004
Steele City	SD	Harding	325.663	326.001	0.339	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.152
Steele City	SD	Harding	326.001	326.301	0.300	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	15	0.045
Steele City	SD	Harding	326.301	326.416	0.114	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	9	0.010
Steele City	SD	Harding	326.416	326.663	0.248	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	37	0.092
Steele City	SD	Harding	326.663	326.702	0.039	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.018
Steele City	SD	Harding	326.702	326.875	0.172	SD063	Assinniboine fine sandy loam, 3 to 6 percent slopes	11	0.019
Steele City	SD	Harding	326.875	326.908	0.033	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	37	0.012
Steele City	SD	Harding	326.908	327.167	0.259	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.223
Steele City	SD	Harding	327.167	327.366	0.199	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.089
Steele City	SD	Harding	327.366	327.625	0.259	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	15	0.039
Steele City	SD	Harding	327.625	327.724	0.099	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.085
Steele City	SD	Harding	327.724	328.152	0.428	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	15	0.064
Steele City	SD	Harding	328.152	328.202	0.050	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	87	0.044
Steele City	SD	Harding	328.202	328.373	0.170	SD063	Gerdrum silt loam, 0 to 4 percent slopes	100	0.170
Steele City	SD	Harding	328.373	328.390	0.018	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	87	0.015
Steele City	SD	Harding	328.390	328.397	0.007	SD063	Gerdrum silt loam, 0 to 4 percent slopes	100	0.007
Steele City	SD	Harding	328.397	328.514	0.117	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.065
Steele City	SD	Harding	328.514	328.581	0.067	SD063	Korchea loam	15	0.010
Steele City	SD	Harding	328.581	328.945	0.363	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.203
Steele City	SD	Harding	328.945	329.068	0.123	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	8	0.010
Steele City	SD	Harding	329.068	329.131	0.063	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.054
Steele City	SD	Harding	329.131	329.207	0.076	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	8	0.006
Steele City	SD	Harding	329.207	329.335	0.128	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.103
Steele City	SD	Harding	329.335	329.483	0.148	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.127
Steele City	SD	Harding	329.483	329.646	0.164	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.131
Steele City	SD	Harding	329.646	329.693	0.047	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.040
Steele City	SD	Harding	329.693	329.761	0.068	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.055
Steele City	SD	Harding	329.761	329.839	0.078	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.067
Steele City	SD	Harding	329.839	330.339	0.500	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.400
Steele City	SD	Harding	330.339	330.405	0.067	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.023
Steele City	SD	Harding	330.405	330.429	0.023	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	87	0.020
Steele City	SD	Harding	330.429	330.457	0.029	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.023
Steele City	SD	Harding	330.457	330.628	0.171	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	87	0.149
Steele City	SD	Harding	330.628	330.731	0.103	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.058
Steele City	SD	Harding	330.731	330.854	0.123	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	87	0.107
Steele City	SD	Harding	330.854	330.948	0.093	SD063	Cabbart loam, 6 to 60 percent slopes, extremely stony	86	0.080
Steele City	SD	Harding	330.948	331.053	0.105	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	34	0.036
Steele City	SD	Harding	331.053	331.539	0.486	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.389
Steele City	SD	Harding	331.539	331.846	0.308	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.172
Steele City	SD	Harding	331.846	332.259	0.412	SD063	Tanna-Rhoades complex, 2 to 9 percent slopes	90	0.371
Steele City	SD	Harding	332.259	332.524	0.265	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.228
Steele City	SD	Harding	332.524	332.577	0.053	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.030
Steele City	SD	Harding	332.577	333.068	0.491	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.393
Steele City	SD	Harding	333.068	333.101	0.033	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.028
Steele City	SD	Harding	333.101	333.131	0.031	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.024
Steele City	SD	Harding	333.131	333.339	0.208	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.179
Steele City	SD	Harding	333.339	333.589	0.249	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	34	0.085
Steele City	SD	Harding	333.589	333.659	0.071	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.057
Steele City	SD	Harding	333.659	333.745	0.086	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	34	0.029
Steele City	SD	Harding	333.745	333.901	0.155	SD063	Marmarth-Twilight fine sandy loams, 9 to 15 percent slopes	19	0.030
Steele City	SD	Harding	333.901	334.072	0.172	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.060
Steele City	SD	Harding	334.072	334.170	0.098	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	8	0.008
Steele City	SD	Harding	334.170	334.235	0.065	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.029
Steele City	SD	Harding	334.235	334.389	0.154	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.123
Steele City	SD	Harding	334.389	334.489	0.101	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.035
Steele City	SD	Harding	334.489	334.537	0.048	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.041
Steele City	SD	Harding	334.537	335.651	1.114	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.390
Steele City	SD	Harding	335.651	335.747	0.096	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.034
Steele City	SD	Harding	335.747	335.884	0.137	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.048
Steele City	SD	Harding	335.884	336.030	0.146	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.051
Steele City	SD	Harding	336.030	336.193	0.162	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.057
Steele City	SD	Harding	336.193	336.348	0.156	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.134
Steele City	SD	Harding	336.348	336.526	0.178	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.142
Steele City	SD	Harding	336.526	336.626	0.100	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.035
Steele City	SD	Harding	336.626	336.792	0.165	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.058
Steele City	SD	Harding	336.792	336.958	0.167	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.143
Steele City	SD	Harding	336.958	337.122	0.164	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.057
Steele City	SD	Harding	337.122	337.207	0.084	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	34	0.029
Steele City	SD	Harding	337.207	337.346	0.140	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.120
Steele City	SD	Harding	337.346	337.425	0.079	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	34	0.027

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	SD	Harding	337.425	337.546	0.120	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.104
Steele City	SD	Harding	337.546	337.973	0.427	SD063	Gerdrum silt loam, 0 to 4 percent slopes	100	0.427
Steele City	SD	Harding	337.973	338.069	0.096	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.034
Steele City	SD	Harding	338.069	338.237	0.168	SD063	Gerdrum silt loam, 0 to 4 percent slopes	100	0.168
Steele City	SD	Harding	338.237	338.405	0.168	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.144
Steele City	SD	Harding	338.405	338.544	0.139	SD063	Cabbart-Delridge loams, 15 to 40 percent slopes	9	0.013
Steele City	SD	Harding	338.544	338.714	0.171	SD063	Korchea loam, channeled	16	0.027
Steele City	SD	Harding	338.714	338.814	0.099	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.045
Steele City	SD	Harding	338.814	338.952	0.139	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.111
Steele City	SD	Harding	338.952	339.045	0.093	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.042
Steele City	SD	Harding	339.045	339.251	0.205	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	37	0.076
Steele City	SD	Harding	339.251	339.440	0.189	SD063	Gerdrum silt loam, 0 to 4 percent slopes	100	0.189
Steele City	SD	Harding	339.440	339.527	0.087	SD063	Assinniboine fine sandy loam, 0 to 3 percent slopes	15	0.013
Steele City	SD	Harding	339.527	339.630	0.103	SD063	Havre-Harlake complex	94	0.097
Steele City	SD	Harding	339.630	339.710	0.080	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.036
Steele City	SD	Harding	339.710	340.008	0.298	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	37	0.110
Steele City	SD	Harding	340.008	340.190	0.182	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	87	0.159
Steele City	SD	Harding	340.190	340.440	0.250	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.140
Steele City	SD	Harding	340.440	340.577	0.137	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.048
Steele City	SD	Harding	340.577	340.610	0.033	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.028
Steele City	SD	Harding	340.610	340.658	0.048	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.017
Steele City	SD	Harding	340.658	340.718	0.061	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.052
Steele City	SD	Harding	340.718	340.773	0.055	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	87	0.048
Steele City	SD	Harding	340.773	340.881	0.108	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.092
Steele City	SD	Harding	340.881	341.605	0.724	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	87	0.630
Steele City	SD	Harding	341.605	341.664	0.059	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	37	0.022
Steele City	SD	Harding	341.664	341.727	0.063	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	87	0.055
Steele City	SD	Harding	341.727	341.830	0.103	SD063	Assinniboine fine sandy loam, 0 to 3 percent slopes	15	0.015
Steele City	SD	Harding	341.830	341.993	0.163	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	87	0.142
Steele City	SD	Harding	341.993	342.073	0.080	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.064
Steele City	SD	Harding	342.073	342.156	0.083	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	87	0.073
Steele City	SD	Harding	342.156	342.271	0.116	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.065
Steele City	SD	Harding	342.271	342.380	0.108	SD063	Bullock-Slickspots complex, 0 to 4 percent slopes	88	0.095
Steele City	SD	Harding	342.380	342.570	0.190	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	34	0.065
Steele City	SD	Harding	342.570	342.819	0.250	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.215
Steele City	SD	Harding	342.819	342.938	0.118	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.095
Steele City	SD	Harding	342.938	343.150	0.213	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.183
Steele City	SD	Harding	343.150	343.277	0.126	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.044
Steele City	SD	Harding	343.277	343.690	0.413	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	37	0.153
Steele City	SD	Harding	343.690	343.749	0.059	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.051
Steele City	SD	Harding	343.749	343.836	0.087	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.039
Steele City	SD	Harding	343.836	344.091	0.255	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.204
Steele City	SD	Harding	344.091	344.149	0.058	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	9	0.005
Steele City	SD	Harding	344.149	344.414	0.265	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.228
Steele City	SD	Harding	344.414	344.423	0.010	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.008
Steele City	SD	Harding	344.423	344.625	0.202	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.174
Steele City	SD	Harding	344.625	344.684	0.059	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	9	0.005
Steele City	SD	Harding	344.684	344.917	0.233	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.201
Steele City	SD	Harding	344.917	344.999	0.082	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.037
Steele City	SD	Harding	344.999	345.192	0.193	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.068
Steele City	SD	Harding	345.192	345.338	0.146	SD063	Chinook fine sandy loam, 0 to 3 percent slopes	11	0.016
Steele City	SD	Harding	345.338	345.468	0.129	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.045
Steele City	SD	Harding	345.468	346.286	0.818	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.368
Steele City	SD	Harding	346.286	346.338	0.052	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.041
Steele City	SD	Harding	346.338	346.362	0.024	SD063	Bullock-Slickspots complex, 0 to 4 percent slopes	88	0.021
Steele City	SD	Harding	346.362	346.514	0.153	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.122
Steele City	SD	Harding	346.514	346.649	0.135	SD063	Bullock-Slickspots complex, 0 to 4 percent slopes	88	0.119
Steele City	SD	Harding	346.649	346.747	0.098	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.078
Steele City	SD	Harding	346.747	346.791	0.044	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.015
Steele City	SD	Harding	346.791	346.863	0.072	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.032
Steele City	SD	Harding	346.863	346.884	0.021	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.007
Steele City	SD	Harding	346.884	347.000	0.117	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.065
Steele City	SD	Harding	347.000	347.062	0.062	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.022
Steele City	SD	Harding	347.062	347.140	0.078	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.027
Steele City	SD	Harding	347.140	347.158	0.018	SD063	Hanly loamy fine sand	12	0.002
Steele City	SD	Harding	347.158	347.352	0.195	SD063	Sage loam	100	0.195
Steele City	SD	Harding	347.352	347.456	0.103	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.036
Steele City	SD	Harding	347.456	347.780	0.324	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.181
Steele City	SD	Harding	347.780	347.899	0.120	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.042
Steele City	SD	Harding	347.899	347.969	0.069	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.039
Steele City	SD	Harding	347.969	348.051	0.082	SD063	Cabbart-Delridge loams, 15 to 40 percent slopes	9	0.007
Steele City	SD	Harding	348.051	348.225	0.175	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	8	0.014
Steele City	SD	Harding	348.225	348.371	0.146	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	87	0.127
Steele City	SD	Harding	348.371	348.383	0.012	SD063	Chinook-Archin fine sandy loams, 0 to 3 percent slopes	40	0.005
Steele City	SD	Harding	348.383	348.406	0.023	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.013
Steele City	SD	Harding	348.406	348.459	0.053	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	8	0.004
Steele City	SD	Harding	348.459	348.540	0.081	SD063	Chinook-Archin fine sandy loams, 0 to 3 percent slopes	40	0.032
Steele City	SD	Harding	348.540	348.828	0.288	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	87	0.250
Steele City	SD	Harding	348.828	349.028	0.200	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.172
Steele City	SD	Harding	349.028	349.099	0.071	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.025
Steele City	SD	Harding	349.099	349.446	0.347	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.299
Steele City	SD	Harding	349.446	349.469	0.023	SD063	Trey-Parchin-Bullock complex, 2 to 9 percent slopes	47	0.011
Steele City	SD	Harding	349.469	349.769	0.300	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.258
Steele City	SD	Harding	349.769	349.868	0.098	SD063	Bullock fine sandy loam, 6 to 20 percent slopes, extremely stony	92	0.090
Steele City	SD	Harding	349.868	349.906	0.038	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.013
Steele City	SD	Harding	349.906	349.954	0.048	SD063	Cabbart loam, 6 to 60 percent slopes, extremely stony	86	0.041
Steele City	SD	Harding	349.954	350.429	0.476	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	35	0.167
Steele City	SD	Harding	350.429	350.538	0.109	SD063	Korchea-Archin complex	43	0.047
Steele City	SD	Harding	350.538	350.569	0.031	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	8	0.003
Steele City	SD	Harding	350.569	350.586	0.016	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.006
Steele City	SD	Harding	350.586	350.760	0.175	SD063	Rhoades-Daglum loams, 2 to 9 percent slopes	88	0.154
Steele City	SD	Harding	350.760	351.132	0.371	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.297
Steele City	SD	Harding	351.132	351.303	0.171	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.077
Steele City	SD	Harding	351.303	351.485	0.182	SD063	Bullock-Slickspots complex, 0 to 4 percent slopes	88	0.160
Steele City	SD	Harding	351.485	351.517	0.033	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.028

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	SD	Harding	351.517	351.645	0.128	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.058
Steele City	SD	Harding	351.645	351.807	0.162	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.130
Steele City	SD	Harding	351.807	351.835	0.027	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.023
Steele City	SD	Harding	351.835	351.912	0.077	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.062
Steele City	SD	Harding	351.912	352.351	0.439	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.198
Steele City	SD	Harding	352.351	352.392	0.041	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	86	0.035
Steele City	SD	Harding	352.392	352.459	0.067	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.030
Steele City	SD	Harding	352.459	352.533	0.074	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.026
Steele City	SD	Harding	352.533	352.599	0.066	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	8	0.005
Steele City	SD	Harding	352.599	352.751	0.152	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.069
Steele City	SD	Harding	352.751	352.787	0.036	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.029
Steele City	SD	Harding	352.787	352.937	0.150	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.067
Steele City	SD	Harding	352.937	352.961	0.024	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	80	0.019
Steele City	SD	Harding	352.961	353.254	0.293	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.132
Steele City	SD	Harding	353.254	353.409	0.155	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.087
Steele City	SD	Harding	353.409	353.466	0.057	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	17	0.010
Steele City	SD	Harding	353.466	353.540	0.074	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.041
Steele City	SD	Harding	353.540	353.575	0.035	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	35	0.012
Steele City	SD	Harding	353.575	353.612	0.038	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	56	0.021
Steele City	SD	Harding	353.612	353.858	0.246	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	45	0.111
Steele City	SD	Harding	353.858	353.883	0.025	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	87	0.022
Steele City	SD	Harding	353.883	353.905	0.022	SD063	Bullock-Slickspots complex, 0 to 4 percent slopes	88	0.019
Steele City	SD	Butte	353.905	353.975	0.070	SD019	Absher-Slickspots complex, 0 to 9 percent slopes	88	0.061
Steele City	SD	Butte	353.975	354.096	0.121	SD019	Zeona loamy fine sand, 0 to 6 percent slopes	20	0.024
Steele City	SD	Butte	354.096	354.294	0.198	SD019	Absher-Slickspots complex, 0 to 9 percent slopes	88	0.175
Steele City	SD	Butte	354.294	354.321	0.027	SD019	Zeona loamy fine sand, 0 to 6 percent slopes	20	0.005
Steele City	SD	Butte	354.321	354.370	0.049	SD019	Absher-Slickspots complex, 0 to 9 percent slopes	88	0.043
Steele City	SD	Butte	354.370	354.616	0.246	SD019	Zeona loamy fine sand, 0 to 6 percent slopes	20	0.049
Steele City	SD	Butte	354.616	354.759	0.143	SD019	Badland	8	0.011
Steele City	SD	Butte	354.759	354.948	0.189	SD019	Twilight fine sandy loam, 3 to 25 percent slopes	20	0.038
Steele City	SD	Butte	354.948	355.240	0.292	SD019	Badland	8	0.023
Steele City	SD	Butte	355.240	355.653	0.412	SD019	Sorum fine sandy loam, 0 to 6 percent slopes	85	0.351
Steele City	SD	Butte	355.653	355.716	0.063	SD019	Archin-Slickspots complex, 0 to 3 percent slopes	93	0.059
Steele City	SD	Butte	355.716	355.913	0.197	SD019	Twilight fine sandy loam, 3 to 25 percent slopes	20	0.039
Steele City	SD	Butte	355.913	356.233	0.320	SD019	Sorum fine sandy loam, 0 to 6 percent slopes	85	0.272
Steele City	SD	Butte	356.233	356.292	0.059	SD019	Twilight-Blackhall fine sandy loams, 6 to 18 percent slopes	38	0.022
Steele City	SD	Butte	356.292	356.408	0.116	SD019	Sorum fine sandy loam, 0 to 6 percent slopes	85	0.098
Steele City	SD	Butte	356.408	356.505	0.097	SD019	Hanly loamy fine sand,	5	0.005
Steele City	SD	Butte	356.505	357.481	0.976	SD019	Zeona loamy fine sand, 0 to 6 percent slopes	20	0.195
Steele City	SD	Butte	357.481	357.542	0.061	SD019	Archin-Slickspots complex, 0 to 3 percent slopes	93	0.057
Steele City	SD	Butte	357.542	357.607	0.065	SD019	Badland	8	0.005
Steele City	SD	Butte	357.607	357.638	0.030	SD019	Twilight fine sandy loam, 3 to 25 percent slopes	20	0.006
Steele City	SD	Perkins	357.638	357.669	0.032	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.010
Steele City	SD	Perkins	357.669	357.762	0.093	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.083
Steele City	SD	Perkins	357.762	358.199	0.436	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.144
Steele City	SD	Perkins	358.199	358.378	0.180	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.160
Steele City	SD	Perkins	358.378	358.416	0.037	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.012
Steele City	SD	Perkins	358.416	358.454	0.038	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.034
Steele City	SD	Perkins	358.454	358.570	0.116	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.038
Steele City	SD	Perkins	358.570	359.498	0.928	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.825
Steele City	SD	Perkins	359.498	359.763	0.266	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.088
Steele City	SD	Perkins	359.763	359.836	0.073	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.065
Steele City	SD	Perkins	359.836	360.034	0.198	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.188
Steele City	SD	Perkins	360.034	360.063	0.029	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.010
Steele City	SD	Perkins	360.063	360.154	0.091	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.086
Steele City	SD	Perkins	360.154	360.563	0.409	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.135
Steele City	SD	Perkins	360.563	360.647	0.083	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.079
Steele City	SD	Perkins	360.647	360.656	0.009	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.003
Steele City	SD	Perkins	360.656	360.695	0.039	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.037
Steele City	SD	Perkins	360.695	360.930	0.235	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.077
Steele City	SD	Perkins	360.930	360.958	0.028	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.026
Steele City	SD	Perkins	360.958	361.115	0.157	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.052
Steele City	SD	Perkins	361.115	361.370	0.256	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.243
Steele City	SD	Perkins	361.370	361.398	0.028	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.009
Steele City	SD	Perkins	361.398	361.510	0.112	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.107
Steele City	SD	Perkins	361.510	361.532	0.021	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.019
Steele City	SD	Perkins	361.532	361.577	0.045	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.043
Steele City	SD	Perkins	361.577	361.685	0.108	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.096
Steele City	SD	Perkins	361.685	361.834	0.149	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.141
Steele City	SD	Perkins	361.834	361.974	0.140	SD105	Shambo loam, channeled	8	0.011
Steele City	SD	Perkins	361.974	362.248	0.274	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.261
Steele City	SD	Perkins	362.248	362.433	0.185	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.061
Steele City	SD	Perkins	362.433	362.660	0.227	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.215
Steele City	SD	Perkins	362.660	362.759	0.099	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.088
Steele City	SD	Perkins	362.759	362.849	0.089	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.085
Steele City	SD	Perkins	362.849	362.889	0.041	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.036
Steele City	SD	Perkins	362.889	363.097	0.208	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.197
Steele City	SD	Perkins	363.097	363.340	0.243	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.216
Steele City	SD	Perkins	363.340	363.836	0.497	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.472
Steele City	SD	Perkins	364.060	364.295	0.235	SD105	Lohler-Trembles complex	71	0.167
Steele City	SD	Perkins	364.295	364.352	0.057	SD105	Trembles fine sandy loam	5	0.003
Steele City	SD	Perkins	364.352	364.484	0.132	SD105	Banks loamy fine sand	96	0.126
Steele City	SD	Perkins	364.484	364.519	0.035	SD105	Trembles fine sandy loam	5	0.002
Steele City	SD	Perkins	364.519	364.677	0.159	SD105	Lohler-Trembles complex	71	0.113
Steele City	SD	Perkins	364.677	365.087	0.410	SD105	Blackhall-Cabbart complex, 15 to 40 percent slopes	50	0.205
Steele City	SD	Perkins	365.087	365.175	0.088	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.083
Steele City	SD	Perkins	365.175	365.254	0.079	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.070
Steele City	SD	Perkins	365.254	365.340	0.086	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.082
Steele City	SD	Perkins	365.340	365.397	0.057	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.050
Steele City	SD	Perkins	365.397	365.600	0.203	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.193
Steele City	SD	Perkins	365.600	365.612	0.012	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.010
Steele City	SD	Perkins	365.612	365.633	0.021	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.020
Steele City	SD	Perkins	365.633	365.929	0.297	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.264
Steele City	SD	Perkins	365.929	365.930	0.001	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.001
Steele City	SD	Perkins	365.930	366.072	0.142	SD105	Trembles soils, channeled	10	0.014

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	SD	Perkins	366.237	366.469	0.231	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.206
Steele City	SD	Perkins	366.469	366.542	0.074	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.024
Steele City	SD	Perkins	366.542	366.602	0.059	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.053
Steele City	SD	Perkins	366.602	366.665	0.064	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.021
Steele City	SD	Perkins	366.665	366.700	0.035	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.031
Steele City	SD	Perkins	366.700	366.720	0.019	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.006
Steele City	SD	Perkins	366.720	367.155	0.436	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.388
Steele City	SD	Perkins	367.155	367.273	0.118	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.039
Steele City	SD	Perkins	367.273	367.586	0.313	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.278
Steele City	SD	Perkins	367.586	367.856	0.270	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.089
Steele City	SD	Perkins	367.856	367.893	0.038	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.034
Steele City	SD	Perkins	367.893	368.101	0.208	SD105	Rhoades-Rock outcrop complex, 6 to 20 percent slopes	59	0.123
Steele City	SD	Perkins	368.101	368.135	0.034	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.032
Steele City	SD	Perkins	368.135	368.178	0.044	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.039
Steele City	SD	Perkins	368.178	368.268	0.090	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.085
Steele City	SD	Perkins	368.268	368.463	0.195	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.174
Steele City	SD	Perkins	368.463	368.545	0.082	SD105	Rhoades-Rock outcrop complex, 6 to 20 percent slopes	59	0.048
Steele City	SD	Perkins	368.545	369.044	0.499	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.444
Steele City	SD	Perkins	369.044	369.161	0.118	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.039
Steele City	SD	Perkins	369.161	369.240	0.079	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.075
Steele City	SD	Perkins	369.240	369.368	0.128	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.114
Steele City	SD	Perkins	369.368	369.809	0.441	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.419
Steele City	SD	Perkins	369.809	369.953	0.144	SD105	Blackhall-Cabbart complex, 15 to 40 percent slopes	50	0.072
Steele City	SD	Perkins	369.953	370.050	0.098	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	89	0.087
Steele City	SD	Perkins	370.050	370.237	0.187	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.062
Steele City	SD	Perkins	370.237	370.509	0.272	SD105	Rhoades-Rock outcrop complex, 6 to 20 percent slopes	59	0.160
Steele City	SD	Perkins	370.509	370.566	0.057	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.054
Steele City	SD	Perkins	370.566	370.744	0.179	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.059
Steele City	SD	Perkins	370.744	370.960	0.215	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.205
Steele City	SD	Perkins	370.960	370.970	0.010	SD105	Blackhall-Cabbart complex, 15 to 40 percent slopes	50	0.005
Steele City	SD	Perkins	370.970	371.185	0.215	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.071
Steele City	SD	Perkins	371.185	371.272	0.087	SD105	Blackhall-Cabbart complex, 15 to 40 percent slopes	50	0.043
Steele City	SD	Perkins	371.272	371.285	0.013	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.013
Steele City	SD	Perkins	371.285	371.337	0.052	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.017
Steele City	SD	Perkins	371.337	371.413	0.076	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	95	0.073
Steele City	SD	Perkins	371.413	371.804	0.390	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.129
Steele City	SD	Perkins	371.804	372.137	0.333	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	95	0.317
Steele City	SD	Perkins	372.137	372.261	0.123	SD105	Twilight-Marmarth-Parchin association, gently rolling	33	0.041
Steele City	SD	Perkins	372.261	372.572	0.312	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	95	0.296
Steele City	SD	Perkins	372.572	372.636	0.064	SD105	Marmarth loam, 2 to 6 percent slopes	8	0.005
Steele City	SD	Perkins	372.636	372.740	0.104	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	95	0.099
Steele City	SD	Perkins	372.740	372.857	0.117	SD105	Marmarth loam, 2 to 6 percent slopes	8	0.009
Steele City	SD	Perkins	372.857	372.883	0.026	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	95	0.024
Steele City	SD	Meade	372.883	372.910	0.028	SD601	Tanna-Savo complex, 2 to 6 percent slopes	61	0.017
Steele City	SD	Meade	372.910	373.043	0.132	SD601	Eapa-Grail complex, 2 to 6 percent slopes	90	0.119
Steele City	SD	Meade	373.043	373.233	0.190	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.165
Steele City	SD	Meade	373.233	373.524	0.291	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	35	0.102
Steele City	SD	Meade	373.524	373.762	0.238	SD601	Eapa-Delridge loams, 2 to 6 percent slopes	67	0.160
Steele City	SD	Meade	373.762	373.865	0.103	SD601	Eapa-Grail complex, 2 to 6 percent slopes	90	0.093
Steele City	SD	Meade	373.865	373.994	0.129	SD601	Gerdrum loam, 0 to 4 percent slopes	91	0.118
Steele City	SD	Meade	373.994	374.293	0.299	SD601	Eapa-Grail complex, 2 to 6 percent slopes	90	0.269
Steele City	SD	Meade	374.293	374.347	0.055	SD601	Gerdrum loam, 0 to 4 percent slopes	91	0.050
Steele City	SD	Meade	374.347	374.558	0.211	SD601	Eapa-Delridge loams, 2 to 6 percent slopes	67	0.141
Steele City	SD	Meade	374.558	374.765	0.207	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	90	0.186
Steele City	SD	Meade	374.765	374.856	0.091	SD601	Eapa-Grail complex, 2 to 6 percent slopes	90	0.082
Steele City	SD	Meade	374.856	374.905	0.049	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	90	0.044
Steele City	SD	Meade	374.905	375.027	0.122	SD601	Tanna-Savo complex, 6 to 9 percent slopes	61	0.074
Steele City	SD	Meade	375.027	375.248	0.221	SD601	Eapa-Grail complex, 2 to 6 percent slopes	90	0.199
Steele City	SD	Meade	375.248	375.551	0.303	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	90	0.273
Steele City	SD	Meade	375.551	375.579	0.028	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	35	0.010
Steele City	SD	Meade	375.579	375.610	0.031	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.027
Steele City	SD	Meade	375.610	376.150	0.540	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	35	0.189
Steele City	SD	Meade	376.150	376.397	0.247	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.215
Steele City	SD	Meade	376.397	376.422	0.025	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	90	0.023
Steele City	SD	Meade	376.422	376.469	0.048	SD601	Bullock-Slickspots complex, 0 to 4 percent slopes	92	0.044
Steele City	SD	Meade	376.469	376.986	0.516	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	90	0.464
Steele City	SD	Meade	376.986	377.048	0.063	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.055
Steele City	SD	Meade	377.048	377.141	0.093	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	90	0.084
Steele City	SD	Meade	377.141	377.217	0.076	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.066
Steele City	SD	Meade	377.217	377.376	0.159	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	90	0.143
Steele City	SD	Meade	377.376	377.479	0.103	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.090
Steele City	SD	Meade	377.479	377.715	0.236	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	90	0.212
Steele City	SD	Meade	377.715	377.794	0.079	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.069
Steele City	SD	Meade	377.794	377.930	0.136	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	35	0.048
Steele City	SD	Meade	377.930	377.983	0.053	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.046
Steele City	SD	Meade	377.983	378.060	0.077	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	35	0.027
Steele City	SD	Meade	378.060	378.216	0.156	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.136
Steele City	SD	Meade	378.216	378.371	0.155	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	90	0.139
Steele City	SD	Meade	378.371	378.716	0.345	SD601	Bullock-Slickspots complex, 0 to 4 percent slopes	92	0.318
Steele City	SD	Meade	378.716	378.907	0.191	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	35	0.067
Steele City	SD	Meade	378.907	379.033	0.125	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	90	0.113
Steele City	SD	Meade	379.033	379.059	0.026	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	35	0.009
Steele City	SD	Meade	379.059	379.163	0.104	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.090
Steele City	SD	Meade	379.163	379.316	0.153	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	90	0.137
Steele City	SD	Meade	379.316	379.570	0.254	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.221
Steele City	SD	Meade	379.570	379.796	0.226	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	90	0.204
Steele City	SD	Meade	379.796	379.981	0.185	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.161
Steele City	SD	Meade	379.981	380.099	0.119	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	35	0.042
Steele City	SD	Meade	380.099	380.137	0.037	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.033
Steele City	SD	Meade	380.137	380.175	0.038	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	90	0.034
Steele City	SD	Meade	380.175	380.240	0.065	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.057
Steele City	SD	Meade	380.240	380.316	0.076	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	90	0.069
Steele City	SD	Meade	380.316	380.514	0.197	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.172
Steele City	SD	Meade	380.514	380.526	0.013	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	90	0.011
Steele City	SD	Meade	380.526	380.559	0.033	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.029

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	SD	Meade	380.559	380.624	0.064	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	90	0.058
Steele City	SD	Meade	380.624	380.764	0.140	SD601	Bullock-Slickspots complex, 0 to 4 percent slopes	92	0.129
Steele City	SD	Meade	380.764	380.912	0.148	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.129
Steele City	SD	Meade	380.912	381.401	0.488	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	90	0.440
Steele City	SD	Meade	381.401	382.182	0.781	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.679
Steele City	SD	Meade	382.182	382.264	0.082	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	90	0.074
Steele City	SD	Meade	382.264	382.818	0.554	SD601	Gerdrum loam, 0 to 4 percent slopes	91	0.504
Steele City	SD	Meade	382.818	383.023	0.205	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	15	0.031
Steele City	SD	Meade	383.023	383.168	0.144	SD601	Gerdrum loam, 0 to 4 percent slopes	91	0.131
Steele City	SD	Meade	383.168	383.290	0.123	SD601	Havre loam, channeled	100	0.123
Steele City	SD	Meade	383.290	383.567	0.277	SD601	Gerdrum loam, 0 to 4 percent slopes	91	0.252
Steele City	SD	Meade	383.567	383.848	0.281	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	88	0.247
Steele City	SD	Meade	383.848	383.904	0.055	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	8	0.004
Steele City	SD	Meade	383.904	384.034	0.130	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	88	0.114
Steele City	SD	Meade	384.034	384.532	0.498	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.433
Steele City	SD	Meade	384.532	384.664	0.132	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	88	0.117
Steele City	SD	Meade	384.664	384.866	0.202	SD601	Gerdrum loam, 0 to 4 percent slopes	91	0.184
Steele City	SD	Meade	384.866	384.995	0.128	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	35	0.045
Steele City	SD	Meade	384.995	385.008	0.014	SD601	Gerdrum loam, 0 to 4 percent slopes	91	0.012
Steele City	SD	Meade	385.008	385.209	0.200	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.174
Steele City	SD	Meade	385.209	385.350	0.142	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	35	0.050
Steele City	SD	Meade	385.350	385.395	0.045	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.039
Steele City	SD	Meade	385.395	385.486	0.091	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	35	0.032
Steele City	SD	Meade	385.486	385.560	0.074	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	90	0.066
Steele City	SD	Meade	385.560	385.627	0.067	SD601	Bullock-Slickspots complex, 0 to 4 percent slopes	92	0.061
Steele City	SD	Meade	385.627	385.728	0.101	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	35	0.035
Steele City	SD	Meade	385.728	385.866	0.138	SD601	Gerdrum loam, 0 to 4 percent slopes	91	0.125
Steele City	SD	Meade	385.866	385.949	0.083	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	88	0.073
Steele City	SD	Meade	385.949	385.994	0.045	SD601	Gerdrum loam, 0 to 4 percent slopes	91	0.041
Steele City	SD	Meade	385.994	386.053	0.059	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.051
Steele City	SD	Meade	386.053	386.134	0.081	SD601	Eapa loam, 2 to 6 percent slopes	95	0.077
Steele City	SD	Meade	386.134	386.257	0.123	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.107
Steele City	SD	Meade	386.257	386.318	0.062	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	35	0.022
Steele City	SD	Meade	386.318	386.525	0.206	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	88	0.182
Steele City	SD	Meade	386.525	386.578	0.053	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	35	0.019
Steele City	SD	Meade	386.578	386.661	0.083	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	88	0.073
Steele City	SD	Meade	386.661	387.211	0.550	SD601	Eapa-Delridge loams, 2 to 6 percent slopes	67	0.369
Steele City	SD	Meade	387.211	387.223	0.012	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	35	0.004
Steele City	SD	Meade	387.223	387.398	0.174	SD601	Grail silt loam	96	0.167
Steele City	SD	Meade	387.398	387.440	0.042	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	35	0.015
Steele City	SD	Meade	387.440	387.476	0.036	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	88	0.032
Steele City	SD	Meade	387.476	387.523	0.047	SD601	Grail silt loam	96	0.045
Steele City	SD	Meade	387.523	387.829	0.306	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	88	0.269
Steele City	SD	Meade	387.829	388.547	0.718	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	8	0.057
Steele City	SD	Meade	388.547	388.743	0.197	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	35	0.069
Steele City	SD	Meade	388.743	388.798	0.054	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	88	0.048
Steele City	SD	Meade	388.798	388.853	0.055	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	35	0.019
Steele City	SD	Meade	388.853	389.599	0.746	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	8	0.060
Steele City	SD	Meade	389.599	389.738	0.139	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	15	0.021
Steele City	SD	Meade	389.738	389.993	0.255	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	8	0.020
Steele City	SD	Meade	389.993	390.200	0.207	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	58	0.120
Steele City	SD	Meade	390.200	390.366	0.166	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	8	0.013
Steele City	SD	Meade	390.366	390.400	0.035	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	58	0.020
Steele City	SD	Meade	390.400	390.510	0.109	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	8	0.009
Steele City	SD	Meade	390.510	390.552	0.042	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	15	0.006
Steele City	SD	Meade	390.552	390.588	0.035	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	8	0.003
Steele City	SD	Meade	390.588	390.658	0.071	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	15	0.011
Steele City	SD	Meade	390.658	390.880	0.221	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	8	0.018
Steele City	SD	Meade	390.880	391.240	0.360	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	15	0.054
Steele City	SD	Meade	391.240	391.752	0.512	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	8	0.041
Steele City	SD	Meade	391.752	391.758	0.006	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	15	0.001
Steele City	SD	Meade	391.758	391.821	0.062	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	8	0.005
Steele City	SD	Meade	391.821	391.970	0.149	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	15	0.022
Steele City	SD	Meade	391.970	392.168	0.199	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	58	0.115
Steele City	SD	Meade	392.168	392.441	0.272	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	8	0.022
Steele City	SD	Meade	392.441	392.533	0.092	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	58	0.053
Steele City	SD	Meade	392.626	392.664	0.038	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	58	0.022
Steele City	SD	Meade	392.664	392.784	0.120	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	15	0.018
Steele City	SD	Meade	392.784	392.915	0.132	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	58	0.076
Steele City	SD	Meade	392.915	393.075	0.160	SD601	Assinniboine fine sandy loam, 6 to 9 percent slopes	10	0.016
Steele City	SD	Meade	393.075	393.268	0.193	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	58	0.112
Steele City	SD	Meade	393.268	393.556	0.287	SD601	Assinniboine fine sandy loam, 6 to 9 percent slopes	10	0.029
Steele City	SD	Meade	393.556	393.785	0.229	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.034
Steele City	SD	Meade	393.785	393.904	0.119	SD601	Assinniboine fine sandy loam, 6 to 9 percent slopes	10	0.012
Steele City	SD	Meade	394.064	394.201	0.137	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	70	0.096
Steele City	SD	Meade	394.444	394.532	0.088	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.013
Steele City	SD	Meade	394.548	394.643	0.095	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.014
Steele City	SD	Meade	394.680	394.818	0.138	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	8	0.011
Steele City	SD	Meade	394.879	395.003	0.124	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	15	0.019
Steele City	SD	Meade	395.496	395.661	0.166	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	58	0.096
Steele City	SD	Meade	395.661	395.750	0.089	SD601	Blackhall-Rock outcrop complex, 15 to 40 percent slopes	60	0.053
Steele City	SD	Meade	395.750	395.888	0.137	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	58	0.080
Steele City	SD	Meade	395.888	396.090	0.202	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.030
Steele City	SD	Meade	396.090	396.244	0.154	SD601	Eapa loam, 6 to 9 percent slopes	96	0.148
Steele City	SD	Meade	396.709	396.767	0.058	SD601	Eapa-Delridge loams, 6 to 9 percent slopes	75	0.043
Steele City	SD	Meade	397.368	397.390	0.022	SD601	Gerdrum loam, 0 to 4 percent slopes	91	0.020
Steele City	SD	Meade	397.419	397.775	0.356	SD601	Gerdrum loam, 0 to 4 percent slopes	91	0.324
Steele City	SD	Meade	397.907	398.233	0.326	SD601	Gerdrum loam, 0 to 4 percent slopes	91	0.297
Steele City	SD	Meade	398.233	398.258	0.025	SD601	Lohmiller silty clay loam	94	0.023
Steele City	SD	Meade	398.258	398.287	0.029	SD601	Gerdrum loam, 0 to 4 percent slopes	91	0.027
Steele City	SD	Meade	398.287	398.533	0.246	SD601	Lohmiller silty clay loam	94	0.231
Steele City	SD	Meade	398.533	398.913	0.380	SD601	Abor silty clay, 2 to 6 percent slopes	95	0.361
Steele City	SD	Meade	398.913	399.072	0.159	SD601	Lohmiller silty clay loam	94	0.150
Steele City	SD	Meade	399.072	399.429	0.357	SD601	Havre loam	100	0.357
Steele City	SD	Meade	399.429	399.586	0.157	SD601	Havre loam, channeled	100	0.157

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	SD	Meade	399.586	400.054	0.468	SD601	Lawther silty clay, 2 to 6 percent slopes	93	0.435
Steele City	SD	Meade	400.054	400.113	0.060	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.052
Steele City	SD	Meade	400.113	400.155	0.042	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.006
Steele City	SD	Meade	400.155	400.182	0.027	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.023
Steele City	SD	Meade	400.409	400.596	0.188	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.028
Steele City	SD	Meade	400.658	400.668	0.010	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.001
Steele City	SD	Meade	401.150	401.887	0.737	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.111
Steele City	SD	Meade	401.887	401.895	0.008	SD601	Eapa loam, 2 to 6 percent slopes	95	0.007
Steele City	SD	Meade	401.895	403.352	1.458	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.219
Steele City	SD	Meade	403.352	403.611	0.259	SD601	Eapa-Grail complex, 2 to 6 percent slopes	90	0.233
Steele City	SD	Meade	403.611	403.639	0.028	SD601	Eapa-Grail complex, 6 to 9 percent slopes	90	0.026
Steele City	SD	Meade	403.639	403.702	0.063	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.009
Steele City	SD	Meade	403.702	403.993	0.291	SD601	Eapa-Grail complex, 6 to 9 percent slopes	90	0.262
Steele City	SD	Meade	403.993	404.732	0.739	SD601	Eapa-Grail complex, 2 to 6 percent slopes	90	0.665
Steele City	SD	Meade	404.732	404.846	0.114	SD601	Eapa-Grail complex, 6 to 9 percent slopes	90	0.102
Steele City	SD	Meade	404.846	404.882	0.036	SD601	Eapa-Grail complex, 2 to 6 percent slopes	90	0.032
Steele City	SD	Meade	404.882	404.982	0.100	SD601	Eapa-Grail complex, 6 to 9 percent slopes	90	0.090
Steele City	SD	Meade	404.982	405.046	0.064	SD601	Eapa-Grail complex, 2 to 6 percent slopes	90	0.058
Steele City	SD	Meade	405.046	405.264	0.218	SD601	Eapa-Grail complex, 6 to 9 percent slopes	90	0.196
Steele City	SD	Meade	405.264	406.002	0.738	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.111
Steele City	SD	Meade	406.010	406.037	0.026	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.004
Steele City	SD	Meade	406.099	406.135	0.036	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.005
Steele City	SD	Meade	406.135	406.336	0.202	SD601	Eapa-Grail complex, 2 to 6 percent slopes	90	0.181
Steele City	SD	Meade	406.336	406.650	0.314	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.047
Steele City	SD	Meade	406.650	406.840	0.190	SD601	Eapa-Grail complex, 2 to 6 percent slopes	90	0.171
Steele City	SD	Meade	406.840	407.032	0.192	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.029
Steele City	SD	Meade	407.032	407.055	0.024	SD601	Eapa-Grail complex, 2 to 6 percent slopes	90	0.021
Steele City	SD	Meade	407.055	407.143	0.087	SD601	Eapa loam, 2 to 6 percent slopes	95	0.083
Steele City	SD	Meade	407.143	407.840	0.697	SD601	Eapa loam, 0 to 2 percent slopes	100	0.697
Steele City	SD	Meade	407.840	407.889	0.049	SD601	Nihill-Attewan complex, 4 to 20 percent slopes	57	0.028
Steele City	SD	Meade	407.889	407.954	0.064	SD601	Gerdrum loam, 0 to 4 percent slopes	91	0.059
Steele City	SD	Meade	407.954	408.006	0.052	SD601	Havre loam, channeled	100	0.052
Steele City	SD	Meade	408.006	408.313	0.307	SD601	Havre loam	100	0.307
Steele City	SD	Meade	408.313	408.510	0.197	SD601	Eapa-Grail complex, 2 to 6 percent slopes	90	0.177
Steele City	SD	Meade	408.510	408.571	0.060	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	87	0.052
Steele City	SD	Meade	408.571	408.612	0.041	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.006
Steele City	SD	Meade	408.612	408.799	0.187	SD601	Tanna-Savo complex, 2 to 6 percent slopes	61	0.114
Steele City	SD	Meade	408.799	409.090	0.291	SD601	Eapa-Grail complex, 2 to 6 percent slopes	90	0.261
Steele City	SD	Meade	409.090	409.189	0.099	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.015
Steele City	SD	Meade	409.189	409.537	0.348	SD601	Eapa-Grail complex, 2 to 6 percent slopes	90	0.313
Steele City	SD	Meade	409.709	410.035	0.326	SD601	Gerdrum loam, 0 to 4 percent slopes	91	0.296
Steele City	SD	Meade	410.035	410.267	0.232	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.035
Steele City	SD	Meade	410.267	410.472	0.205	SD601	Tanna-Savo complex, 2 to 6 percent slopes	61	0.125
Steele City	SD	Meade	410.472	410.685	0.213	SD601	Eapa-Grail complex, 2 to 6 percent slopes	90	0.192
Steele City	SD	Meade	410.685	410.732	0.047	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.007
Steele City	SD	Meade	410.732	410.908	0.176	SD601	Tanna-Savo complex, 2 to 6 percent slopes	61	0.107
Steele City	SD	Meade	410.908	411.160	0.252	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.038
Steele City	SD	Meade	411.160	411.273	0.113	SD601	Abor silty clay, 6 to 9 percent slopes	90	0.102
Steele City	SD	Meade	411.273	411.365	0.092	SD601	Lawther silty clay, 2 to 6 percent slopes	93	0.086
Steele City	SD	Meade	411.365	411.568	0.203	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.030
Steele City	SD	Meade	411.568	411.626	0.058	SD601	Abor silty clay, 2 to 6 percent slopes	95	0.055
Steele City	SD	Meade	411.626	411.744	0.118	SD601	Lawther silty clay, 2 to 6 percent slopes	93	0.110
Steele City	SD	Meade	411.744	411.750	0.006	SD601	Abor silty clay, 2 to 6 percent slopes	95	0.006
Steele City	SD	Meade	411.750	411.816	0.066	SD601	Lawther silty clay, 2 to 6 percent slopes	93	0.061
Steele City	SD	Meade	411.816	411.894	0.078	SD601	Abor silty clay, 2 to 6 percent slopes	95	0.074
Steele City	SD	Meade	411.894	411.922	0.028	SD601	Lawther silty clay, 2 to 6 percent slopes	93	0.026
Steele City	SD	Meade	411.922	412.136	0.214	SD601	Abor silty clay, 2 to 6 percent slopes	95	0.203
Steele City	SD	Meade	412.136	412.178	0.042	SD601	Lawther silty clay, 2 to 6 percent slopes	93	0.039
Steele City	SD	Meade	412.178	412.220	0.042	SD601	Abor silty clay, 2 to 6 percent slopes	95	0.039
Steele City	SD	Meade	412.220	412.346	0.126	SD601	Lawther silty clay, 2 to 6 percent slopes	93	0.118
Steele City	SD	Meade	412.346	412.379	0.033	SD601	Abor silty clay, 2 to 6 percent slopes	95	0.032
Steele City	SD	Meade	412.379	413.151	0.771	SD601	Abor silty clay, 6 to 9 percent slopes	90	0.694
Steele City	SD	Meade	413.151	413.263	0.112	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.017
Steele City	SD	Meade	413.263	413.461	0.198	SD601	Abor silty clay, 6 to 9 percent slopes	90	0.179
Steele City	SD	Meade	413.461	413.495	0.034	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.005
Steele City	SD	Meade	413.495	413.736	0.241	SD601	Abor silty clay, 6 to 9 percent slopes	90	0.217
Steele City	SD	Meade	413.736	413.839	0.103	SD601	Abor silty clay, 2 to 6 percent slopes	95	0.098
Steele City	SD	Meade	413.839	414.759	0.919	SD601	Abor silty clay, 6 to 9 percent slopes	90	0.827
Steele City	SD	Meade	414.759	414.887	0.128	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.019
Steele City	SD	Meade	414.887	415.020	0.133	SD601	Lawther silty clay, 2 to 6 percent slopes	93	0.124
Steele City	SD	Meade	415.020	415.177	0.157	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.024
Steele City	SD	Meade	415.177	415.210	0.033	SD601	Abor silty clay, 6 to 9 percent slopes	90	0.030
Steele City	SD	Meade	415.210	415.392	0.182	SD601	Gerdrum loam, 0 to 4 percent slopes	91	0.166
Steele City	SD	Meade	415.392	415.477	0.085	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	70	0.059
Steele City	SD	Meade	415.477	415.512	0.036	SD601	Gerdrum loam, 0 to 4 percent slopes	91	0.032
Steele City	SD	Meade	415.512	415.526	0.013	SD601	Tanna-Savo complex, 6 to 9 percent slopes	61	0.008
Steele City	SD	Meade	415.526	415.566	0.040	SD601	Gerdrum loam, 0 to 4 percent slopes	91	0.036
Steele City	SD	Meade	415.566	415.897	0.332	SD601	Tanna-Savo complex, 6 to 9 percent slopes	61	0.202
Steele City	SD	Meade	415.897	416.086	0.188	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	70	0.132
Steele City	SD	Meade	416.086	416.154	0.069	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	15	0.010
Steele City	SD	Meade	416.154	416.189	0.035	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	70	0.024
Steele City	SD	Meade	416.189	416.478	0.289	SD601	Abor silty clay, 2 to 6 percent slopes	95	0.274
Steele City	SD	Meade	416.478	416.487	0.009	SD601	Samsil clay, 6 to 25 percent slopes	93	0.009
Steele City	SD	Meade	416.487	416.828	0.341	SD601	Abor silty clay, 2 to 6 percent slopes	95	0.324
Steele City	SD	Meade	416.828	416.975	0.147	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	70	0.103
Steele City	SD	Meade	416.975	417.147	0.172	SD601	Nunn clay loam, 2 to 6 percent slopes	8	0.014
Steele City	SD	Meade	417.147	417.386	0.240	SD601	Samsil clay, 6 to 25 percent slopes	93	0.223
Steele City	SD	Meade	417.386	417.467	0.081	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	70	0.057
Steele City	SD	Meade	417.467	417.650	0.182	SD601	Nunn clay loam, 2 to 6 percent slopes	8	0.015
Steele City	SD	Meade	417.650	418.021	0.372	SD601	Pierre-Samsil clays, 6 to 15 percent slopes	40	0.149
Steele City	SD	Meade	418.021	418.123	0.102	SD601	Nunn clay loam, 2 to 6 percent slopes	8	0.008
Steele City	SD	Meade	418.123	418.324	0.201	SD601	Tanna-Savo complex, 2 to 6 percent slopes	61	0.123
Steele City	SD	Meade	418.324	419.074	0.750	SD601	Samsil clay, 6 to 25 percent slopes	93	0.697
Steele City	SD	Meade	419.074	419.117	0.043	SD601	Stetter clay	100	0.043
Steele City	SD	Meade	419.117	419.466	0.349	SD601	Samsil clay, 6 to 25 percent slopes	93	0.324

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	SD	Meade	419.466	419.573	0.107	SD601	Samsil-Rock outcrop complex, 15 to 40 percent slopes	57	0.061
Steele City	SD	Meade	419.573	419.904	0.331	SD601	Stetter clay	100	0.331
Steele City	SD	Meade	419.904	420.223	0.320	SD601	Samsil clay, 6 to 25 percent slopes	93	0.297
Steele City	SD	Meade	420.223	420.314	0.091	SD601	Stetter clay	100	0.091
Steele City	SD	Meade	420.314	420.494	0.179	SD601	Samsil-Rock outcrop complex, 15 to 40 percent slopes	57	0.102
Steele City	SD	Meade	420.494	420.739	0.245	SD601	Samsil clay, 6 to 25 percent slopes	93	0.228
Steele City	SD	Meade	420.739	420.780	0.041	SD601	Samsil-Rock outcrop complex, 15 to 40 percent slopes	57	0.023
Steele City	SD	Meade	420.780	420.901	0.121	SD601	Samsil clay, 6 to 25 percent slopes	93	0.112
Steele City	SD	Meade	420.901	420.942	0.042	SD601	Pierre-Samsil clays, 6 to 15 percent slopes	40	0.017
Steele City	SD	Meade	420.942	421.677	0.734	SD601	Samsil clay, 6 to 25 percent slopes	93	0.683
Steele City	SD	Meade	421.677	421.760	0.083	SD601	Lohmiller silty clay loam, channeled	100	0.083
Steele City	SD	Meade	421.760	421.852	0.093	SD601	Samsil clay, 6 to 25 percent slopes	93	0.086
Steele City	SD	Meade	421.852	422.104	0.251	SD601	Lohmiller silty clay loam, channeled	100	0.251
Steele City	SD	Meade	422.104	422.267	0.163	SD601	Lohmiller silty clay loam	94	0.153
Steele City	SD	Meade	422.267	422.658	0.392	SD601	Samsil clay, 6 to 25 percent slopes	93	0.364
Steele City	SD	Meade	422.658	422.750	0.092	SD601	Lohmiller silty clay loam, channeled	100	0.092
Steele City	SD	Meade	422.750	422.952	0.202	SD601	Lohmiller silty clay loam	94	0.190
Steele City	SD	Meade	422.952	423.283	0.331	SD601	Lohmiller silty clay loam, channeled	100	0.331
Steele City	SD	Meade	423.283	423.329	0.046	SD601	Samsil clay, 6 to 25 percent slopes	93	0.043
Steele City	SD	Meade	423.329	423.607	0.278	SD601	Lohmiller silty clay loam, channeled	100	0.278
Steele City	SD	Meade	423.607	423.667	0.059	SD601	Pierre-Samsil clays, 6 to 15 percent slopes	40	0.024
Steele City	SD	Meade	423.667	423.878	0.211	SD601	Kyle clay, 0 to 2 percent slopes	100	0.211
Steele City	SD	Meade	423.878	424.155	0.277	SD601	Kyle clay, 2 to 6 percent slopes	100	0.277
Steele City	SD	Meade	424.155	424.431	0.277	SD601	Pierre-Samsil clays, 6 to 15 percent slopes	40	0.111
Steele City	SD	Meade	424.431	424.496	0.064	SD601	Pierre clay, 2 to 6 percent slopes	10	0.006
Steele City	SD	Meade	424.496	424.655	0.160	SD601	Lohmiller silty clay loam, channeled	100	0.160
Steele City	SD	Meade	424.655	424.670	0.015	SD601	Lohmiller silty clay loam	94	0.014
Steele City	SD	Meade	424.670	424.695	0.025	SD601	Swanboy clay	100	0.025
Steele City	SD	Meade	424.695	424.769	0.074	SD601	Lohmiller silty clay loam	94	0.069
Steele City	SD	Meade	424.769	424.852	0.083	SD601	Swanboy clay	100	0.083
Steele City	SD	Meade	424.852	424.912	0.060	SD601	Lohmiller silty clay loam	94	0.057
Steele City	SD	Meade	424.912	425.058	0.146	SD601	Kyle clay, 2 to 6 percent slopes	100	0.146
Steele City	SD	Meade	425.058	425.177	0.119	SD601	Lohmiller silty clay loam	94	0.112
Steele City	SD	Meade	425.177	425.422	0.244	SD601	Glenberg fine sandy loam	7	0.017
Steele City	SD	Meade	425.422	425.544	0.122	SD601	Bankard loamy fine sand	5	0.006
Steele City	SD	Pennington	425.927	425.987	0.059	SD605	Lohmiller silty clay	100	0.059
Steele City	SD	Haakon	426.056	426.340	0.285	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	43	0.122
Steele City	SD	Haakon	426.340	426.443	0.102	SD055	Samsil clay, 25 to 60 percent slopes	93	0.095
Steele City	SD	Haakon	426.443	426.500	0.057	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	43	0.025
Steele City	SD	Haakon	426.500	426.746	0.246	SD055	Samsil clay, 25 to 60 percent slopes	93	0.228
Steele City	SD	Haakon	426.746	426.819	0.073	SD055	Schamber-Samsil complex, 6 to 60 percent slopes	40	0.029
Steele City	SD	Haakon	426.819	427.701	0.882	SD055	Kirley clay loam, 0 to 2 percent slopes	5	0.044
Steele City	SD	Haakon	428.047	428.092	0.045	SD055	Ree loam, 0 to 2 percent slopes	3	0.001
Steele City	SD	Haakon	428.092	428.216	0.124	SD055	Schamber-Samsil complex, 6 to 60 percent slopes	40	0.049
Steele City	SD	Haakon	428.216	428.466	0.251	SD055	Samsil clay, 25 to 60 percent slopes	93	0.233
Steele City	SD	Haakon	428.466	428.684	0.218	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	43	0.094
Steele City	SD	Haakon	428.684	428.730	0.046	SD055	Kyle clay, 3 to 6 percent slopes	100	0.046
Steele City	SD	Haakon	428.730	428.735	0.005	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	43	0.002
Steele City	SD	Haakon	428.735	428.864	0.129	SD055	Kyle clay, 3 to 6 percent slopes	100	0.129
Steele City	SD	Haakon	428.864	428.949	0.085	SD055	Lohmiller silty clay, channeled	96	0.082
Steele City	SD	Haakon	428.949	429.076	0.127	SD055	Kyle clay, 3 to 6 percent slopes	100	0.127
Steele City	SD	Haakon	429.076	429.101	0.025	SD055	Lohmiller silty clay, channeled	96	0.024
Steele City	SD	Haakon	429.101	429.141	0.040	SD055	Kyle clay, 3 to 6 percent slopes	100	0.040
Steele City	SD	Haakon	429.141	429.562	0.421	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	43	0.181
Steele City	SD	Haakon	429.562	429.707	0.145	SD055	Samsil-Rock outcrop complex, 15 to 60 percent slopes	55	0.080
Steele City	SD	Haakon	429.707	429.863	0.155	SD055	Schamber-Samsil complex, 6 to 60 percent slopes	40	0.062
Steele City	SD	Haakon	429.863	430.008	0.145	SD055	Ree-Hoven complex	18	0.026
Steele City	SD	Haakon	430.008	431.762	1.754	SD055	Ree loam, 0 to 2 percent slopes	3	0.053
Steele City	SD	Haakon	431.951	432.158	0.207	SD055	Ree loam, 2 to 6 percent slopes	7	0.014
Steele City	SD	Haakon	432.158	432.975	0.817	SD055	Ree loam, 0 to 2 percent slopes	3	0.025
Steele City	SD	Haakon	432.975	435.130	2.155	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	9	0.194
Steele City	SD	Haakon	435.130	435.164	0.034	SD055	Samsil clay, 25 to 60 percent slopes	93	0.031
Steele City	SD	Haakon	435.164	435.574	0.411	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	9	0.037
Steele City	SD	Haakon	435.574	435.696	0.122	SD055	Kirley clay loam, 2 to 6 percent slopes	4	0.005
Steele City	SD	Haakon	435.696	435.815	0.118	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	35	0.041
Steele City	SD	Haakon	435.815	436.760	0.945	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	9	0.085
Steele City	SD	Haakon	436.760	436.934	0.174	SD055	Capa silt loam, 0 to 6 percent slopes	96	0.167
Steele City	SD	Haakon	436.934	437.152	0.218	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	9	0.020
Steele City	SD	Haakon	437.152	437.237	0.085	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	35	0.030
Steele City	SD	Haakon	437.237	437.329	0.092	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.004
Steele City	SD	Haakon	437.329	437.595	0.266	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	35	0.093
Steele City	SD	Haakon	437.595	437.821	0.227	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.011
Steele City	SD	Haakon	437.821	437.922	0.101	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	35	0.035
Steele City	SD	Haakon	437.922	438.008	0.085	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.009
Steele City	SD	Haakon	438.008	438.368	0.360	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.018
Steele City	SD	Haakon	438.368	438.583	0.215	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.015
Steele City	SD	Haakon	438.583	438.952	0.369	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.018
Steele City	SD	Haakon	438.952	439.293	0.341	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.034
Steele City	SD	Haakon	439.293	440.256	0.963	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.039
Steele City	SD	Haakon	440.256	440.611	0.355	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.036
Steele City	SD	Haakon	440.611	440.876	0.266	SD055	Ottumwa silty clay, 0 to 3 percent slopes	7	0.019
Steele City	SD	Haakon	440.876	440.906	0.030	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.001
Steele City	SD	Haakon	440.906	441.016	0.110	SD055	Ottumwa silty clay, 0 to 3 percent slopes	7	0.008
Steele City	SD	Haakon	441.016	441.056	0.041	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	35	0.014
Steele City	SD	Haakon	441.056	441.149	0.092	SD055	Wendte-Herdcamp silty clays, channeled	40	0.037
Steele City	SD	Haakon	441.149	441.181	0.032	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	35	0.011
Steele City	SD	Haakon	441.181	441.230	0.049	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.002
Steele City	SD	Haakon	441.230	442.739	1.510	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.060
Steele City	SD	Haakon	442.739	442.800	0.060	SD055	Kolls clay	10	0.006
Steele City	SD	Haakon	442.800	443.255	0.455	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.018
Steele City	SD	Haakon	443.255	443.399	0.144	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.014
Steele City	SD	Haakon	443.399	443.582	0.183	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.013
Steele City	SD	Haakon	443.582	443.694	0.112	SD055	Wendte-Herdcamp silty clays, channeled	40	0.045
Steele City	SD	Haakon	443.694	443.805	0.111	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	43	0.048
Steele City	SD	Haakon	443.805	443.999	0.194	SD055	Lakoma silty clay, 6 to 9 percent slopes	5	0.010

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	SD	Haakon	443.999	444.019	0.020	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.001
Steele City	SD	Haakon	444.019	444.039	0.020	SD055	Lakoma silty clay, 6 to 9 percent slopes	5	0.001
Steele City	SD	Haakon	444.039	444.353	0.314	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.016
Steele City	SD	Haakon	444.353	444.781	0.428	SD055	Lakoma silty clay, 6 to 9 percent slopes	5	0.021
Steele City	SD	Haakon	444.781	444.993	0.212	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.011
Steele City	SD	Haakon	444.993	445.091	0.098	SD055	Lakoma silty clay, 6 to 9 percent slopes	5	0.005
Steele City	SD	Haakon	445.091	446.243	1.152	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.058
Steele City	SD	Haakon	446.243	446.282	0.040	SD055	Ottumwa silty clay, 0 to 3 percent slopes	7	0.003
Steele City	SD	Haakon	446.282	446.773	0.491	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.025
Steele City	SD	Haakon	446.773	447.229	0.456	SD055	Ottumwa-Razor-Savo complex, 6 to 15 percent slopes	10	0.046
Steele City	SD	Haakon	447.229	447.348	0.119	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.006
Steele City	SD	Haakon	447.348	447.417	0.069	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.007
Steele City	SD	Haakon	447.417	447.628	0.211	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.008
Steele City	SD	Haakon	447.628	447.881	0.253	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.018
Steele City	SD	Haakon	447.881	448.154	0.274	SD055	Lakoma silty clay, 6 to 9 percent slopes	5	0.014
Steele City	SD	Haakon	448.154	448.206	0.051	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	35	0.018
Steele City	SD	Haakon	448.206	448.271	0.065	SD055	Capa-Wendte, channeled, complex	60	0.039
Steele City	SD	Haakon	448.271	448.344	0.073	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.005
Steele City	SD	Haakon	448.344	448.622	0.278	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.011
Steele City	SD	Haakon	448.622	448.642	0.019	SD055	Opal-Promise clays, 6 to 9 percent slopes	100	0.019
Steele City	SD	Haakon	448.642	448.783	0.141	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.006
Steele City	SD	Haakon	448.783	448.861	0.078	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.005
Steele City	SD	Haakon	448.861	449.136	0.275	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.011
Steele City	SD	Haakon	449.136	449.247	0.110	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.008
Steele City	SD	Haakon	449.247	449.425	0.179	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.007
Steele City	SD	Haakon	449.425	449.529	0.104	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.007
Steele City	SD	Haakon	449.529	449.701	0.172	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.007
Steele City	SD	Haakon	449.701	449.906	0.204	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.014
Steele City	SD	Haakon	449.906	449.963	0.058	SD055	Lakoma silty clay, 6 to 9 percent slopes	5	0.003
Steele City	SD	Haakon	449.963	450.451	0.487	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.024
Steele City	SD	Haakon	450.451	450.692	0.242	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.010
Steele City	SD	Haakon	450.692	450.752	0.060	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.006
Steele City	SD	Haakon	450.752	451.187	0.434	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.017
Steele City	SD	Haakon	451.187	451.565	0.379	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	9	0.034
Steele City	SD	Haakon	451.565	451.619	0.053	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.003
Steele City	SD	Haakon	451.619	451.760	0.142	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.014
Steele City	SD	Haakon	451.760	452.046	0.286	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.011
Steele City	SD	Haakon	452.046	452.499	0.453	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.023
Steele City	SD	Haakon	452.499	452.591	0.092	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.006
Steele City	SD	Haakon	452.591	453.578	0.987	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	9	0.089
Steele City	SD	Haakon	453.578	453.754	0.175	SD055	Ottumwa silty clay, 0 to 3 percent slopes	7	0.012
Steele City	SD	Haakon	453.754	453.857	0.103	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	9	0.009
Steele City	SD	Haakon	453.857	454.055	0.198	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.008
Steele City	SD	Haakon	454.055	454.520	0.465	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.046
Steele City	SD	Haakon	454.520	454.690	0.170	SD055	Lakoma silty clay, 3 to 6 percent slopes	5	0.009
Steele City	SD	Haakon	454.690	454.957	0.267	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.027
Steele City	SD	Haakon	454.957	455.131	0.173	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.012
Steele City	SD	Haakon	455.131	455.247	0.116	SD055	Capa-Wendte, channeled, complex	60	0.070
Steele City	SD	Haakon	455.247	455.285	0.039	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.003
Steele City	SD	Haakon	455.285	455.370	0.085	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.008
Steele City	SD	Haakon	455.370	455.700	0.330	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.023
Steele City	SD	Haakon	455.700	455.803	0.103	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.004
Steele City	SD	Haakon	455.803	456.026	0.224	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.022
Steele City	SD	Haakon	456.026	456.148	0.122	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.006
Steele City	SD	Haakon	456.148	456.248	0.100	SD055	Opal-Promise clays, 3 to 6 percent slopes	95	0.095
Steele City	SD	Haakon	456.248	456.329	0.082	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.004
Steele City	SD	Haakon	456.329	456.515	0.186	SD055	Lakoma silty clay, 3 to 6 percent slopes	5	0.009
Steele City	SD	Haakon	456.515	456.566	0.051	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.005
Steele City	SD	Haakon	456.566	456.626	0.060	SD055	Lakoma silty clay, 3 to 6 percent slopes	5	0.003
Steele City	SD	Haakon	456.626	456.850	0.223	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.022
Steele City	SD	Haakon	456.850	457.073	0.223	SD055	Lakoma silty clay, 3 to 6 percent slopes	5	0.011
Steele City	SD	Haakon	457.073	457.387	0.314	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.022
Steele City	SD	Haakon	457.387	457.536	0.150	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.015
Steele City	SD	Haakon	457.536	457.663	0.126	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.006
Steele City	SD	Haakon	457.663	457.718	0.055	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.006
Steele City	SD	Haakon	457.718	457.946	0.228	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.009
Steele City	SD	Haakon	457.946	457.989	0.043	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.004
Steele City	SD	Haakon	457.989	458.237	0.248	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.010
Steele City	SD	Haakon	458.237	458.380	0.144	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.014
Steele City	SD	Haakon	458.380	458.462	0.082	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.003
Steele City	SD	Haakon	458.462	458.485	0.022	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.002
Steele City	SD	Haakon	458.485	458.527	0.043	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.002
Steele City	SD	Haakon	458.527	458.580	0.053	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.005
Steele City	SD	Haakon	458.580	459.000	0.420	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.029
Steele City	SD	Haakon	459.016	459.321	0.304	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.021
Steele City	SD	Haakon	459.321	459.425	0.104	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.004
Steele City	SD	Haakon	459.425	459.789	0.364	SD055	Lakoma silty clay, 6 to 9 percent slopes	5	0.018
Steele City	SD	Haakon	459.789	460.285	0.496	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.020
Steele City	SD	Haakon	460.285	460.660	0.374	SD055	Kirley clay loam, 0 to 2 percent slopes	5	0.019
Steele City	SD	Haakon	460.708	460.766	0.058	SD055	Capa-Wendte, channeled, complex	60	0.035
Steele City	SD	Haakon	460.766	461.005	0.239	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.024
Steele City	SD	Haakon	461.005	461.034	0.029	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.001
Steele City	SD	Haakon	461.101	461.208	0.107	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.004
Steele City	SD	Haakon	461.208	461.259	0.051	SD055	Kirley clay loam, 0 to 2 percent slopes	5	0.003
Steele City	SD	Haakon	461.259	461.375	0.116	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.005
Steele City	SD	Haakon	461.375	461.493	0.119	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.008
Steele City	SD	Haakon	461.493	461.573	0.079	SD055	Lakoma silty clay, 3 to 6 percent slopes	5	0.004
Steele City	SD	Haakon	461.573	461.584	0.011	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.001
Steele City	SD	Haakon	461.584	461.958	0.374	SD055	Lakoma silty clay, 3 to 6 percent slopes	5	0.019
Steele City	SD	Haakon	461.958	462.120	0.162	SD055	Ottumwa silty clay, 0 to 3 percent slopes	7	0.011
Steele City	SD	Haakon	462.120	462.149	0.029	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.001
Steele City	SD	Haakon	462.149	462.199	0.050	SD055	Ottumwa silty clay, 0 to 3 percent slopes	7	0.003
Steele City	SD	Haakon	462.199	462.432	0.233	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.012
Steele City	SD	Haakon	462.432	462.655	0.224	SD055	Lakoma silty clay, 3 to 6 percent slopes	5	0.011
Steele City	SD	Haakon	462.655	462.694	0.038	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.002

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	SD	Haakon	462.694	462.766	0.072	SD055	Lakoma silty clay, 3 to 6 percent slopes	5	0.004
Steele City	SD	Haakon	462.766	462.912	0.146	SD055	Lakoma silty clay, 6 to 9 percent slopes	5	0.007
Steele City	SD	Haakon	462.912	462.943	0.031	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.002
Steele City	SD	Haakon	462.943	463.485	0.542	SD055	Lakoma silty clay, 6 to 9 percent slopes	5	0.027
Steele City	SD	Haakon	463.485	463.747	0.261	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.010
Steele City	SD	Haakon	463.747	463.997	0.250	SD055	Lakoma silty clay, 6 to 9 percent slopes	5	0.012
Steele City	SD	Haakon	463.997	464.418	0.421	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.017
Steele City	SD	Haakon	464.418	464.617	0.199	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.020
Steele City	SD	Haakon	464.617	464.779	0.163	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.008
Steele City	SD	Haakon	464.779	464.916	0.136	SD055	Egas silty clay loam	95	0.129
Steele City	SD	Haakon	464.916	465.086	0.171	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.012
Steele City	SD	Haakon	465.086	465.211	0.125	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.012
Steele City	SD	Haakon	465.211	465.372	0.160	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.008
Steele City	SD	Haakon	465.372	465.501	0.130	SD055	Lakoma silty clay, 3 to 6 percent slopes	5	0.006
Steele City	SD	Haakon	465.501	465.564	0.063	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.003
Steele City	SD	Haakon	465.564	465.787	0.223	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.016
Steele City	SD	Haakon	465.787	465.853	0.066	SD055	Lakoma silty clay, 3 to 6 percent slopes	5	0.003
Steele City	SD	Haakon	465.853	466.503	0.651	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.046
Steele City	SD	Haakon	466.503	466.567	0.064	SD055	Lakoma silty clay, 3 to 6 percent slopes	5	0.003
Steele City	SD	Haakon	466.567	466.644	0.077	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	4	0.003
Steele City	SD	Haakon	466.644	466.992	0.349	SD055	Lakoma silty clay, 3 to 6 percent slopes	5	0.017
Steele City	SD	Haakon	466.992	468.096	1.104	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.055
Steele City	SD	Haakon	468.096	468.110	0.014	SD055	Lakoma silty clay, 3 to 6 percent slopes	5	0.001
Steele City	SD	Haakon	468.110	468.233	0.123	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.009
Steele City	SD	Haakon	468.233	468.272	0.039	SD055	Capa-Wendte, channeled, complex	60	0.023
Steele City	SD	Haakon	468.272	468.461	0.189	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.013
Steele City	SD	Haakon	468.705	468.959	0.254	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.013
Steele City	SD	Haakon	468.959	469.013	0.054	SD055	Lakoma silty clay, 6 to 9 percent slopes	5	0.003
Steele City	SD	Haakon	469.013	469.220	0.207	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.014
Steele City	SD	Haakon	469.220	469.289	0.069	SD055	Lakoma silty clay, 6 to 9 percent slopes	5	0.003
Steele City	SD	Haakon	469.289	469.584	0.294	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.021
Steele City	SD	Haakon	469.584	469.915	0.331	SD055	Lakoma silty clay, 6 to 9 percent slopes	5	0.017
Steele City	SD	Haakon	469.915	469.976	0.061	SD055	Ottumwa silty clay, 0 to 3 percent slopes	7	0.004
Steele City	SD	Haakon	469.976	470.216	0.240	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.012
Steele City	SD	Haakon	470.216	470.500	0.284	SD055	Lakoma silty clay, 6 to 9 percent slopes	5	0.014
Steele City	SD	Haakon	470.500	470.613	0.113	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.008
Steele City	SD	Haakon	470.613	470.710	0.097	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.005
Steele City	SD	Haakon	470.710	470.870	0.160	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.011
Steele City	SD	Haakon	470.870	471.050	0.180	SD055	Lakoma silty clay, 6 to 9 percent slopes	5	0.009
Steele City	SD	Haakon	471.050	471.325	0.275	SD055	Ottumwa silty clay, 3 to 6 percent slopes	5	0.014
Steele City	SD	Haakon	471.325	471.401	0.076	SD055	Kirley-Ottumwa complex, 6 to 9 percent slopes	6	0.005
Steele City	SD	Haakon	471.401	471.673	0.272	SD055	Kirley clay loam, 2 to 6 percent slopes	4	0.011
Steele City	SD	Haakon	471.673	471.851	0.178	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	4	0.007
Steele City	SD	Haakon	471.874	472.128	0.254	SD055	Kirley clay loam, 2 to 6 percent slopes	4	0.010
Steele City	SD	Haakon	472.128	472.257	0.129	SD055	Kirley clay loam, 0 to 2 percent slopes	5	0.006
Steele City	SD	Haakon	472.333	472.514	0.181	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.013
Steele City	SD	Haakon	472.514	472.562	0.048	SD055	Capa-Wendte, channeled, complex	60	0.029
Steele City	SD	Haakon	472.562	472.594	0.032	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.002
Steele City	SD	Haakon	472.594	472.649	0.055	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	10	0.006
Steele City	SD	Haakon	472.649	472.926	0.277	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.019
Steele City	SD	Haakon	473.050	473.137	0.087	SD055	Kirley clay loam, 2 to 6 percent slopes	4	0.003
Steele City	SD	Haakon	473.137	473.550	0.413	SD055	Kirley clay loam, 0 to 2 percent slopes	5	0.021
Steele City	SD	Haakon	473.774	473.928	0.154	SD055	Pierre clay, 6 to 9 percent slopes	10	0.015
Steele City	SD	Haakon	473.928	474.150	0.222	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.016
Steele City	SD	Haakon	474.207	474.414	0.207	SD055	Kirley clay loam, 2 to 6 percent slopes	4	0.008
Steele City	SD	Haakon	474.414	474.677	0.263	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	4	0.011
Steele City	SD	Haakon	474.889	474.922	0.033	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	4	0.001
Steele City	SD	Haakon	475.420	476.205	0.785	SD055	Kirley clay loam, 0 to 2 percent slopes	5	0.039
Steele City	SD	Haakon	476.279	476.421	0.143	SD055	Kirley clay loam, 0 to 2 percent slopes	5	0.007
Steele City	SD	Haakon	476.515	476.606	0.090	SD055	Kirley clay loam, 0 to 2 percent slopes	5	0.005
Steele City	SD	Haakon	476.606	476.885	0.280	SD055	Kirley-Mosher complex, 0 to 2 percent slopes	38	0.106
Steele City	SD	Haakon	477.028	477.169	0.142	SD055	Kirley clay loam, 0 to 2 percent slopes	5	0.007
Steele City	SD	Haakon	477.169	477.347	0.178	SD055	Mosher silt loam	90	0.160
Steele City	SD	Haakon	477.347	477.478	0.131	SD055	Kirley clay loam, 0 to 2 percent slopes	5	0.007
Steele City	SD	Haakon	477.478	477.613	0.135	SD055	Hoven silt loam	100	0.135
Steele City	SD	Haakon	477.613	478.012	0.400	SD055	Kirley clay loam, 0 to 2 percent slopes	5	0.020
Steele City	SD	Haakon	478.621	478.798	0.177	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.012
Steele City	SD	Haakon	478.798	478.908	0.110	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	35	0.038
Steele City	SD	Haakon	478.908	479.091	0.183	SD055	Nimbro silty clay loam, channeled	8	0.015
Steele City	SD	Haakon	479.091	479.126	0.036	SD055	Nimbro silty clay loam	6	0.002
Steele City	SD	Haakon	479.126	479.260	0.133	SD055	Promise clay, 3 to 6 percent slopes	97	0.129
Steele City	SD	Haakon	479.260	479.554	0.294	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	4	0.012
Steele City	SD	Haakon	480.065	480.275	0.209	SD055	Schamber-Samsil complex, 6 to 60 percent slopes	40	0.084
Steele City	SD	Haakon	480.275	480.702	0.427	SD055	Sansarc-0pal clays, 9 to 40 percent slopes	35	0.150
Steele City	SD	Haakon	480.756	480.858	0.102	SD055	Nimbro silty clay loam, channeled	8	0.008
Steele City	SD	Haakon	480.858	481.289	0.430	SD055	Nimbro silty clay loam	6	0.026
Steele City	SD	Haakon	481.289	481.348	0.059	SD055	Nimbro silty clay loam, channeled	8	0.005
Steele City	SD	Haakon	481.348	481.544	0.196	SD055	Bullcreek clay, 0 to 6 percent slopes	100	0.196
Steele City	SD	Haakon	481.544	482.009	0.465	SD055	Sansarc-0pal clays, 9 to 40 percent slopes	35	0.163
Steele City	SD	Haakon	482.009	482.386	0.377	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	4	0.015
Steele City	SD	Haakon	482.486	482.604	0.118	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	4	0.005
Steele City	SD	Haakon	482.604	482.690	0.086	SD055	Lakoma silty clay, 6 to 15 percent slopes	7	0.006
Steele City	SD	Haakon	482.690	482.701	0.011	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	4	0.000
Steele City	SD	Haakon	482.701	482.797	0.096	SD055	Sansarc-0pal clays, 9 to 40 percent slopes	35	0.034
Steele City	SD	Haakon	482.797	483.033	0.236	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	4	0.009
Steele City	SD	Haakon	483.033	483.396	0.363	SD055	Lakoma silty clay, 3 to 6 percent slopes	5	0.018
Steele City	SD	Haakon	483.396	483.427	0.030	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	4	0.001
Steele City	SD	Haakon	483.427	484.135	0.709	SD055	Lakoma silty clay, 3 to 6 percent slopes	5	0.035
Steele City	SD	Haakon	484.245	484.300	0.055	SD055	Kirley clay loam, 2 to 6 percent slopes	4	0.002
Steele City	SD	Haakon	484.300	484.353	0.052	SD055	Kirley clay loam, 6 to 15 percent slopes	3	0.002
Steele City	SD	Haakon	484.484	484.797	0.313	SD055	Kirley clay loam, 2 to 6 percent slopes	4	0.013
Steele City	SD	Haakon	484.797	484.874	0.076	SD055	Kirley clay loam, 6 to 15 percent slopes	3	0.002
Steele City	SD	Jones	484.953	485.092	0.139	SD075	Kirley-Mosher complex, 0 to 6 percent slopes	37	0.051
Steele City	SD	Jones	485.092	485.132	0.040	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	5	0.002
Steele City	SD	Jones	485.132	485.208	0.075	SD075	Kirley-Mosher complex, 0 to 6 percent slopes	37	0.028

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	SD	Jones	485.208	485.647	0.439	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.044
Steele City	SD	Jones	485.708	485.848	0.140	SD075	Kirley-Mosher complex, 0 to 6 percent slopes	37	0.052
Steele City	SD	Jones	485.848	485.957	0.109	SD075	Kirley clay loam, 9 to 15 percent slopes	3	0.003
Steele City	SD	Jones	485.957	486.066	0.109	SD075	Kirley-Mosher complex, 0 to 6 percent slopes	37	0.040
Steele City	SD	Jones	486.066	486.238	0.172	SD075	Kirley clay loam, 9 to 15 percent slopes	3	0.005
Steele City	SD	Jones	486.238	486.684	0.445	SD075	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	31	0.138
Steele City	SD	Jones	486.684	486.830	0.146	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.015
Steele City	SD	Jones	486.830	486.944	0.114	SD075	Lakoma silty clay, 3 to 6 percent slopes	5	0.006
Steele City	SD	Jones	486.944	487.234	0.291	SD075	Kirley clay loam, 2 to 6 percent slopes	2	0.006
Steele City	SD	Jones	487.234	487.261	0.027	SD075	Lakoma silty clay, 3 to 6 percent slopes	5	0.001
Steele City	SD	Jones	487.261	487.431	0.170	SD075	Lakoma silty clay, 6 to 9 percent slopes	11	0.019
Steele City	SD	Jones	487.431	487.592	0.161	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	5	0.008
Steele City	SD	Jones	487.592	487.715	0.123	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.012
Steele City	SD	Jones	487.715	488.243	0.527	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	5	0.026
Steele City	SD	Jones	488.243	489.163	0.921	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.092
Steele City	SD	Jones	489.163	489.293	0.130	SD075	Lakoma silty clay, 6 to 9 percent slopes	11	0.014
Steele City	SD	Jones	489.293	489.463	0.170	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.017
Steele City	SD	Jones	489.463	489.720	0.257	SD075	Kirley clay loam, 2 to 6 percent slopes	2	0.005
Steele City	SD	Jones	489.720	489.736	0.016	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	5	0.001
Steele City	SD	Jones	489.736	489.935	0.199	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.020
Steele City	SD	Jones	489.935	490.138	0.203	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	5	0.010
Steele City	SD	Jones	490.138	490.543	0.405	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.041
Steele City	SD	Jones	490.543	490.788	0.245	SD075	Kirley clay loam, 2 to 6 percent slopes	2	0.005
Steele City	SD	Jones	490.788	490.866	0.078	SD075	Ree loam, 2 to 6 percent slopes	10	0.008
Steele City	SD	Jones	490.866	491.004	0.138	SD075	Ree loam, 0 to 2 percent slopes	5	0.007
Steele City	SD	Jones	491.004	491.210	0.206	SD075	Ree loam, 2 to 6 percent slopes	10	0.021
Steele City	SD	Jones	491.220	491.263	0.043	SD075	Ree loam, 2 to 6 percent slopes	10	0.004
Steele City	SD	Jones	491.457	491.847	0.390	SD075	Kirley clay loam, 9 to 15 percent slopes	3	0.012
Steele City	SD	Jones	491.847	492.153	0.306	SD075	Opal clay loam, 6 to 15 percent slopes	95	0.291
Steele City	SD	Jones	492.153	492.271	0.119	SD075	Opal clay loam, 6 to 9 percent slopes	100	0.119
Steele City	SD	Jones	492.271	492.364	0.093	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.009
Steele City	SD	Jones	492.454	492.480	0.026	SD075	Opal clay loam, 6 to 9 percent slopes	100	0.026
Steele City	SD	Jones	492.480	493.177	0.697	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.070
Steele City	SD	Jones	493.177	493.468	0.291	SD075	Kirley clay loam, 0 to 2 percent slopes	2	0.006
Steele City	SD	Jones	493.468	493.589	0.120	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.012
Steele City	SD	Jones	493.589	493.634	0.045	SD075	Promise-Capa complex	97	0.044
Steele City	SD	Jones	493.634	493.850	0.216	SD075	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	31	0.067
Steele City	SD	Jones	493.850	493.959	0.108	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.011
Steele City	SD	Jones	493.959	493.987	0.028	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	5	0.001
Steele City	SD	Jones	493.987	494.156	0.170	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.017
Steele City	SD	Jones	494.156	494.262	0.106	SD075	Lakoma silty clay, 3 to 6 percent slopes	5	0.005
Steele City	SD	Jones	494.262	494.347	0.084	SD075	Mosher silt loam	94	0.079
Steele City	SD	Jones	494.347	494.420	0.073	SD075	Kirley clay loam, 0 to 2 percent slopes	2	0.001
Steele City	SD	Jones	494.420	494.555	0.135	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.014
Steele City	SD	Jones	494.555	494.935	0.380	SD075	Kirley clay loam, 2 to 6 percent slopes	2	0.008
Steele City	SD	Jones	494.935	495.225	0.290	SD075	Mosher-Capa silt loams	93	0.270
Steele City	SD	Jones	495.225	495.355	0.129	SD075	Promise clay, 0 to 3 percent slopes	98	0.127
Steele City	SD	Jones	495.355	495.373	0.018	SD075	Lakoma silty clay, 6 to 9 percent slopes	11	0.002
Steele City	SD	Jones	495.373	495.556	0.183	SD075	Promise clay, 0 to 3 percent slopes	98	0.179
Steele City	SD	Jones	495.556	496.233	0.677	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.068
Steele City	SD	Jones	496.233	496.312	0.079	SD075	Lakoma silty clay, 6 to 9 percent slopes	11	0.009
Steele City	SD	Jones	496.312	496.341	0.029	SD075	Promise clay, 3 to 6 percent slopes	98	0.029
Steele City	SD	Jones	496.341	496.346	0.006	SD075	Lakoma silty clay, 6 to 9 percent slopes	11	0.001
Steele City	SD	Jones	496.346	496.668	0.322	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.032
Steele City	SD	Jones	496.668	496.782	0.114	SD075	Kirley clay loam, 2 to 6 percent slopes	2	0.002
Steele City	SD	Jones	496.782	497.126	0.344	SD075	Lakoma silty clay, 6 to 9 percent slopes	11	0.038
Steele City	SD	Jones	497.126	497.274	0.148	SD075	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	31	0.046
Steele City	SD	Jones	497.274	497.346	0.072	SD075	Kirley clay loam, 9 to 15 percent slopes	3	0.002
Steele City	SD	Jones	497.746	497.754	0.008	SD075	Kirley clay loam, 2 to 6 percent slopes	2	0.000
Steele City	SD	Jones	497.754	498.290	0.535	SD075	Promise clay, 3 to 6 percent slopes	98	0.525
Steele City	SD	Jones	498.290	498.454	0.165	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.016
Steele City	SD	Jones	498.454	498.595	0.140	SD075	Kirley clay loam, 2 to 6 percent slopes	2	0.003
Steele City	SD	Jones	498.595	498.771	0.176	SD075	Promise clay, 6 to 9 percent slopes	97	0.171
Steele City	SD	Jones	498.771	498.811	0.040	SD075	Ree loam, 2 to 6 percent slopes	10	0.004
Steele City	SD	Jones	498.811	499.044	0.233	SD075	Mosher silt loam	94	0.219
Steele City	SD	Jones	499.044	499.132	0.088	SD075	Promise clay, 3 to 6 percent slopes	98	0.086
Steele City	SD	Jones	499.132	499.414	0.282	SD075	Opal clay, 3 to 6 percent slopes	100	0.282
Steele City	SD	Jones	499.414	499.741	0.327	SD075	Kirley clay loam, 2 to 6 percent slopes	2	0.007
Steele City	SD	Jones	499.741	499.838	0.097	SD075	Witten silty clay	99	0.096
Steele City	SD	Jones	499.838	500.242	0.405	SD075	Promise clay, 3 to 6 percent slopes	98	0.396
Steele City	SD	Jones	500.242	500.348	0.106	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.011
Steele City	SD	Jones	500.348	500.499	0.151	SD075	Promise clay, 3 to 6 percent slopes	98	0.148
Steele City	SD	Jones	500.499	500.939	0.439	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.044
Steele City	SD	Jones	500.939	501.052	0.113	SD075	Promise clay, 3 to 6 percent slopes	98	0.111
Steele City	SD	Jones	501.052	501.238	0.186	SD075	Promise clay, 0 to 3 percent slopes	98	0.182
Steele City	SD	Jones	501.238	501.386	0.149	SD075	Opal clay, 6 to 15 percent slopes	97	0.144
Steele City	SD	Jones	501.386	501.484	0.098	SD075	Promise clay, 3 to 6 percent slopes	98	0.096
Steele City	SD	Jones	501.484	501.614	0.130	SD075	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	31	0.040
Steele City	SD	Jones	501.614	501.816	0.202	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.020
Steele City	SD	Jones	501.816	501.978	0.163	SD075	Promise clay, 6 to 9 percent slopes	97	0.158
Steele City	SD	Jones	501.978	502.067	0.089	SD075	Promise clay, 3 to 6 percent slopes	98	0.087
Steele City	SD	Jones	502.067	502.162	0.095	SD075	Sansarc-Opal clays, 9 to 40 percent slopes	43	0.041
Steele City	SD	Jones	502.194	502.241	0.046	SD075	Sansarc-Opal clays, 9 to 40 percent slopes	43	0.020
Steele City	SD	Jones	502.241	502.306	0.065	SD075	Promise clay, 0 to 3 percent slopes	98	0.064
Steele City	SD	Jones	502.306	502.725	0.419	SD075	Promise clay, 3 to 6 percent slopes	98	0.411
Steele City	SD	Jones	502.725	502.799	0.074	SD075	Opal clay, 6 to 15 percent slopes	97	0.072
Steele City	SD	Jones	502.799	503.905	1.106	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.111
Steele City	SD	Jones	503.905	504.024	0.119	SD075	Lakoma silty clay, 6 to 9 percent slopes	11	0.013
Steele City	SD	Jones	504.024	504.880	0.856	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.086
Steele City	SD	Jones	504.880	504.953	0.072	SD075	Opal clay, 6 to 15 percent slopes	97	0.070
Steele City	SD	Jones	504.953	505.127	0.174	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.017
Steele City	SD	Jones	505.127	505.397	0.271	SD075	Opal clay, 6 to 15 percent slopes	97	0.263
Steele City	SD	Jones	505.397	505.422	0.024	SD075	Opal clay, 6 to 9 percent slopes	99	0.024
Steele City	SD	Jones	505.422	505.686	0.264	SD075	Lakoma silty clay, 6 to 9 percent slopes	11	0.029
Steele City	SD	Jones	505.686	505.783	0.097	SD075	Opal clay, 6 to 15 percent slopes	97	0.094

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	SD	Jones	505.783	506.138	0.355	SD075	Opal clay, 6 to 9 percent slopes	99	0.351
Steele City	SD	Jones	506.138	506.185	0.047	SD075	Opal clay, 6 to 15 percent slopes	97	0.046
Steele City	SD	Jones	506.185	506.221	0.036	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.004
Steele City	SD	Jones	506.221	506.245	0.024	SD075	Opal clay, 6 to 15 percent slopes	97	0.023
Steele City	SD	Jones	506.245	506.409	0.164	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.016
Steele City	SD	Jones	506.409	506.574	0.165	SD075	Promise clay, 3 to 6 percent slopes	98	0.162
Steele City	SD	Jones	506.574	506.628	0.054	SD075	Wendte silty clay, channeled	10	0.005
Steele City	SD	Jones	506.628	506.678	0.050	SD075	Opal clay, 6 to 15 percent slopes	97	0.049
Steele City	SD	Jones	506.678	506.882	0.203	SD075	Opal clay, 6 to 9 percent slopes	99	0.201
Steele City	SD	Jones	506.882	507.177	0.296	SD075	Promise clay, 3 to 6 percent slopes	98	0.290
Steele City	SD	Jones	507.177	507.274	0.097	SD075	Opal clay, 3 to 6 percent slopes	100	0.097
Steele City	SD	Jones	507.274	507.381	0.106	SD075	Opal clay, 6 to 15 percent slopes	97	0.103
Steele City	SD	Jones	507.381	507.504	0.124	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.012
Steele City	SD	Jones	507.504	507.606	0.102	SD075	Opal clay, 3 to 6 percent slopes	100	0.102
Steele City	SD	Jones	507.606	507.649	0.043	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	5	0.002
Steele City	SD	Jones	507.649	507.700	0.051	SD075	Herdcamp-Bullcreek complex	97	0.049
Steele City	SD	Jones	507.700	507.752	0.052	SD075	Opal clay, 6 to 15 percent slopes	97	0.050
Steele City	SD	Jones	507.752	507.822	0.070	SD075	Opal clay, 3 to 6 percent slopes	100	0.070
Steele City	SD	Jones	507.822	507.929	0.107	SD075	Opal clay, 6 to 15 percent slopes	97	0.104
Steele City	SD	Jones	507.929	508.104	0.175	SD075	Opal clay, 6 to 9 percent slopes	99	0.173
Steele City	SD	Jones	508.104	508.177	0.074	SD075	Lakoma silty clay, 6 to 9 percent slopes	11	0.008
Steele City	SD	Jones	508.177	508.276	0.099	SD075	Opal clay, 6 to 9 percent slopes	99	0.098
Steele City	SD	Jones	508.276	508.452	0.176	SD075	Opal clay, 3 to 6 percent slopes	100	0.176
Steele City	SD	Jones	508.452	508.527	0.075	SD075	Opal clay, 6 to 9 percent slopes	99	0.074
Steele City	SD	Jones	508.527	508.856	0.329	SD075	Opal clay, 6 to 15 percent slopes	97	0.319
Steele City	SD	Jones	508.856	509.331	0.476	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.048
Steele City	SD	Jones	509.331	509.613	0.282	SD075	Opal clay, 3 to 6 percent slopes	100	0.282
Steele City	SD	Jones	509.613	509.865	0.252	SD075	Opal clay, 6 to 9 percent slopes	99	0.249
Steele City	SD	Jones	509.865	509.925	0.060	SD075	Opal clay, 3 to 6 percent slopes	100	0.060
Steele City	SD	Jones	509.925	510.334	0.409	SD075	Opal clay, 6 to 15 percent slopes	97	0.397
Steele City	SD	Jones	510.334	510.433	0.099	SD075	Opal clay, 6 to 9 percent slopes	99	0.098
Steele City	SD	Jones	510.433	510.851	0.418	SD075	Opal clay, 6 to 15 percent slopes	97	0.405
Steele City	SD	Jones	510.851	511.965	1.114	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.111
Steele City	SD	Jones	511.965	512.007	0.042	SD075	Promise clay, 3 to 6 percent slopes	98	0.041
Steele City	SD	Jones	512.007	512.093	0.086	SD075	Opal clay, 6 to 9 percent slopes	99	0.085
Steele City	SD	Jones	512.093	512.283	0.190	SD075	Promise clay, 3 to 6 percent slopes	98	0.186
Steele City	SD	Jones	512.283	512.362	0.079	SD075	Opal clay, 3 to 6 percent slopes	100	0.079
Steele City	SD	Jones	512.362	512.501	0.139	SD075	Promise clay, 3 to 6 percent slopes	98	0.137
Steele City	SD	Jones	512.501	512.641	0.140	SD075	Opal clay, 3 to 6 percent slopes	100	0.140
Steele City	SD	Jones	512.641	512.854	0.213	SD075	Promise clay, 3 to 6 percent slopes	98	0.209
Steele City	SD	Jones	512.854	512.915	0.061	SD075	Lakoma silty clay, 6 to 9 percent slopes	11	0.007
Steele City	SD	Jones	512.915	512.990	0.075	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.008
Steele City	SD	Jones	512.990	513.364	0.374	SD075	Opal clay, 6 to 15 percent slopes	97	0.363
Steele City	SD	Jones	513.364	513.548	0.184	SD075	Lakoma silty clay, 6 to 9 percent slopes	11	0.020
Steele City	SD	Jones	513.548	513.671	0.124	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.012
Steele City	SD	Jones	513.671	513.769	0.098	SD075	Promise clay, 3 to 6 percent slopes	98	0.096
Steele City	SD	Jones	513.769	513.885	0.116	SD075	Opal clay, 6 to 9 percent slopes	99	0.115
Steele City	SD	Jones	513.885	514.299	0.414	SD075	Opal clay, 6 to 15 percent slopes	97	0.401
Steele City	SD	Jones	514.299	515.328	1.029	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.103
Steele City	SD	Jones	515.328	515.677	0.349	SD075	Opal clay, 3 to 6 percent slopes	100	0.349
Steele City	SD	Jones	515.677	515.789	0.112	SD075	Promise-Bullcreek clays	89	0.100
Steele City	SD	Jones	515.789	516.066	0.277	SD075	Opal clay, 3 to 6 percent slopes	100	0.277
Steele City	SD	Jones	516.066	516.122	0.055	SD075	Promise clay, 0 to 3 percent slopes	98	0.054
Steele City	SD	Jones	516.122	516.176	0.055	SD075	Lakoma silty clay, 6 to 9 percent slopes	11	0.006
Steele City	SD	Jones	516.176	516.323	0.147	SD075	Opal clay, 3 to 6 percent slopes	100	0.147
Steele City	SD	Jones	516.323	516.402	0.079	SD075	Promise clay, 0 to 3 percent slopes	98	0.078
Steele City	SD	Jones	516.402	516.523	0.120	SD075	Opal clay, 3 to 6 percent slopes	100	0.120
Steele City	SD	Jones	516.523	516.726	0.203	SD075	Lakoma silty clay, 3 to 6 percent slopes	5	0.010
Steele City	SD	Jones	516.726	516.983	0.257	SD075	Lakoma silty clay, 6 to 9 percent slopes	11	0.028
Steele City	SD	Jones	516.983	517.233	0.250	SD075	Opal clay, 3 to 6 percent slopes	100	0.250
Steele City	SD	Jones	517.233	517.277	0.045	SD075	Herdcamp-Bullcreek complex	97	0.043
Steele City	SD	Jones	517.277	517.367	0.090	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.009
Steele City	SD	Jones	517.367	517.513	0.146	SD075	Opal clay, 6 to 9 percent slopes	99	0.145
Steele City	SD	Jones	517.513	517.984	0.470	SD075	Opal clay, 3 to 6 percent slopes	100	0.470
Steele City	SD	Jones	517.984	518.088	0.104	SD075	Promise clay, 3 to 6 percent slopes	98	0.102
Steele City	SD	Jones	518.088	518.181	0.094	SD075	Opal clay, 3 to 6 percent slopes	100	0.094
Steele City	SD	Jones	518.181	518.270	0.088	SD075	Lakoma silty clay, 6 to 9 percent slopes	11	0.010
Steele City	SD	Jones	518.270	518.874	0.604	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.060
Steele City	SD	Jones	518.874	518.898	0.024	SD075	Lakoma silty clay, 3 to 6 percent slopes	5	0.001
Steele City	SD	Jones	518.898	519.378	0.480	SD075	Lakoma silty clay, 6 to 15 percent slopes	10	0.048
Steele City	SD	Jones	519.378	519.604	0.226	SD075	Opal clay loam, 6 to 15 percent slopes	95	0.214
Steele City	SD	Jones	519.604	519.944	0.340	SD075	Opal clay loam, 6 to 9 percent slopes	100	0.340
Steele City	SD	Jones	519.944	520.041	0.098	SD075	Bullcreek clay, 0 to 6 percent slopes	98	0.096
Steele City	SD	Jones	520.041	520.135	0.093	SD075	Promise clay, 0 to 3 percent slopes	98	0.091
Steele City	SD	Jones	520.135	520.307	0.173	SD075	Opal clay loam, 6 to 9 percent slopes	100	0.173
Steele City	SD	Jones	520.307	520.325	0.018	SD075	Promise clay, 0 to 3 percent slopes	98	0.017
Steele City	SD	Jones	520.325	520.422	0.097	SD075	Promise-Bullcreek clays	89	0.086
Steele City	SD	Jones	520.422	520.706	0.284	SD075	Promise clay, 0 to 3 percent slopes	98	0.278
Steele City	SD	Jones	520.706	520.807	0.101	SD075	Bullcreek clay, 0 to 6 percent slopes	98	0.099
Steele City	SD	Jones	520.807	521.198	0.391	SD075	Promise clay, 0 to 3 percent slopes	98	0.384
Steele City	SD	Jones	521.198	521.429	0.231	SD075	Millboro silty clay loam, 3 to 6 percent slopes	98	0.226
Steele City	SD	Jones	521.429	521.793	0.364	SD075	Millboro silty clay loam, 0 to 3 percent slopes	98	0.357
Steele City	SD	Jones	521.793	522.003	0.210	SD075	Promise-Bullcreek clays	89	0.187
Steele City	SD	Jones	522.003	522.085	0.083	SD075	Lakoma silty clay, 3 to 6 percent slopes	5	0.004
Steele City	SD	Jones	522.085	522.305	0.219	SD075	Bullcreek clay, 0 to 6 percent slopes	98	0.215
Steele City	SD	Jones	522.305	522.539	0.235	SD075	Promise clay, 0 to 3 percent slopes	98	0.230
Steele City	SD	Jones	522.539	522.593	0.053	SD075	Bullcreek clay, 0 to 6 percent slopes	98	0.052
Steele City	SD	Jones	522.593	522.868	0.275	SD075	Millboro silty clay loam, 0 to 3 percent slopes	98	0.270
Steele City	SD	Jones	522.868	523.008	0.140	SD075	Promise-Bullcreek clays	89	0.124
Steele City	SD	Jones	523.008	523.089	0.082	SD075	Millboro silty clay loam, 0 to 3 percent slopes	98	0.080
Steele City	SD	Jones	523.089	523.203	0.114	SD075	Lakoma silty clay, 3 to 6 percent slopes	5	0.006
Steele City	SD	Jones	523.203	523.371	0.168	SD075	Millboro silty clay loam, 3 to 6 percent slopes	98	0.164
Steele City	SD	Jones	523.371	523.392	0.021	SD075	Millboro silty clay loam, 0 to 3 percent slopes	98	0.020
Steele City	SD	Jones	523.392	523.769	0.378	SD075	Witten silty clay	99	0.374
Steele City	SD	Jones	523.769	523.887	0.118	SD075	Millboro silty clay loam, 3 to 6 percent slopes	98	0.115

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	SD	Jones	523.887	524.126	0.239	SD075	Millboro silty clay loam, 6 to 9 percent slopes	97	0.232
Steele City	SD	Jones	524.126	524.605	0.480	SD075	Millboro silty clay loam, 3 to 6 percent slopes	98	0.470
Steele City	SD	Jones	524.605	525.017	0.412	SD075	Promise clay, 0 to 3 percent slopes	98	0.404
Steele City	SD	Lyman	525.017	525.662	0.645	SD085	Promise clay, 0 to 3 percent slopes	100	0.645
Steele City	SD	Lyman	525.662	525.718	0.056	SD085	Millboro silty clay, 3 to 6 percent slopes	97	0.054
Steele City	SD	Lyman	525.718	526.245	0.527	SD085	Millboro silty clay, 0 to 3 percent slopes	97	0.511
Steele City	SD	Lyman	526.245	526.300	0.054	SD085	Millboro silty clay, 3 to 6 percent slopes	97	0.053
Steele City	SD	Lyman	526.300	526.380	0.080	SD085	Millboro silty clay, 0 to 3 percent slopes	97	0.077
Steele City	SD	Lyman	526.380	526.487	0.108	SD085	Millboro silty clay, 3 to 6 percent slopes	97	0.104
Steele City	SD	Lyman	526.487	526.488	0.000	SD085	Witten silty clay	97	0.000
Steele City	SD	Lyman	526.488	526.600	0.113	SD085	Kolls silty clay	10	0.011
Steele City	SD	Lyman	526.600	526.714	0.114	SD085	Millboro silty clay, 3 to 6 percent slopes	97	0.110
Steele City	SD	Lyman	526.714	527.008	0.294	SD085	Witten silty clay	97	0.285
Steele City	SD	Lyman	527.008	527.250	0.242	SD085	Millboro silty clay, 3 to 6 percent slopes	97	0.235
Steele City	SD	Lyman	527.250	527.525	0.274	SD085	Witten silty clay	97	0.266
Steele City	SD	Lyman	527.525	528.156	0.631	SD085	Millboro silty clay, 3 to 6 percent slopes	97	0.612
Steele City	SD	Lyman	528.156	528.234	0.079	SD085	Promise clay, 0 to 3 percent slopes	100	0.079
Steele City	SD	Lyman	528.234	528.245	0.011	SD085	Witten silty clay	97	0.011
Steele City	SD	Lyman	528.245	528.644	0.399	SD085	Millboro silty clay, 3 to 6 percent slopes	97	0.387
Steele City	SD	Lyman	528.644	528.796	0.151	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	52	0.079
Steele City	SD	Lyman	528.796	529.697	0.901	SD085	Millboro silty clay, 3 to 6 percent slopes	97	0.874
Steele City	SD	Lyman	529.697	529.832	0.135	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	52	0.070
Steele City	SD	Lyman	529.832	529.948	0.116	SD085	Bullcreek clay, 0 to 6 percent slopes	97	0.113
Steele City	SD	Lyman	529.948	530.611	0.662	SD085	Millboro silty clay, 3 to 6 percent slopes	97	0.643
Steele City	SD	Lyman	530.611	530.721	0.111	SD085	Bullcreek clay, 0 to 6 percent slopes	97	0.107
Steele City	SD	Lyman	530.721	530.752	0.031	SD085	Lakoma silty clay, 6 to 9 percent slopes	10	0.003
Steele City	SD	Lyman	530.752	531.321	0.569	SD085	Millboro silty clay, 3 to 6 percent slopes	97	0.552
Steele City	SD	Lyman	531.321	531.536	0.215	SD085	Millboro silty clay, 0 to 3 percent slopes	97	0.209
Steele City	SD	Lyman	531.536	532.026	0.490	SD085	Millboro silty clay, 3 to 6 percent slopes	97	0.475
Steele City	SD	Lyman	532.026	532.419	0.393	SD085	Millboro silty clay, 0 to 3 percent slopes	97	0.381
Steele City	SD	Lyman	532.419	532.556	0.137	SD085	Millboro silty clay, 3 to 6 percent slopes	97	0.133
Steele City	SD	Lyman	532.556	532.786	0.229	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	52	0.119
Steele City	SD	Lyman	532.786	532.965	0.179	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	47	0.084
Steele City	SD	Lyman	532.965	533.041	0.077	SD085	Bullcreek clay, 0 to 6 percent slopes	97	0.074
Steele City	SD	Lyman	533.041	533.216	0.174	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	47	0.082
Steele City	SD	Lyman	533.216	533.443	0.228	SD085	Lakoma-Okaton silty clays, 6 to 15 percent slopes	15	0.034
Steele City	SD	Lyman	533.443	533.681	0.238	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	52	0.124
Steele City	SD	Lyman	533.681	533.738	0.057	SD085	Millboro silty clay, 3 to 6 percent slopes	97	0.055
Steele City	SD	Lyman	533.738	533.863	0.125	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	47	0.059
Steele City	SD	Lyman	533.863	533.995	0.133	SD085	Lakoma-Okaton silty clays, 6 to 15 percent slopes	15	0.020
Steele City	SD	Lyman	533.995	534.124	0.128	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	52	0.067
Steele City	SD	Lyman	534.124	534.283	0.159	SD085	Lakoma-Okaton silty clays, 6 to 15 percent slopes	15	0.024
Steele City	SD	Lyman	534.283	534.651	0.368	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	52	0.191
Steele City	SD	Lyman	534.651	535.246	0.595	SD085	Millboro silty clay, 3 to 6 percent slopes	97	0.577
Steele City	SD	Lyman	535.246	535.500	0.254	SD085	Capa silt loam, 0 to 6 percent slopes	100	0.254
Steele City	SD	Lyman	535.500	535.586	0.086	SD085	Millboro silty clay, 3 to 6 percent slopes	97	0.083
Steele City	SD	Lyman	535.586	535.774	0.188	SD085	Okaton-Lakoma silty clays, 15 to 40 percent slopes	5	0.009
Steele City	SD	Lyman	535.774	535.821	0.047	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	47	0.022
Steele City	SD	Lyman	535.821	535.834	0.013	SD085	Okaton-Lakoma silty clays, 15 to 40 percent slopes	5	0.001
Steele City	SD	Lyman	535.834	535.926	0.092	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	47	0.043
Steele City	SD	Lyman	535.926	536.025	0.099	SD085	Okaton-Lakoma silty clays, 15 to 40 percent slopes	5	0.005
Steele City	SD	Lyman	536.025	536.612	0.587	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	47	0.276
Steele City	SD	Lyman	536.612	536.668	0.055	SD085	Bullcreek clay, 0 to 6 percent slopes	97	0.054
Steele City	SD	Lyman	536.668	536.749	0.081	SD085	Promise clay, 0 to 3 percent slopes	100	0.081
Steele City	SD	Lyman	536.749	536.814	0.065	SD085	Hilmoe silty clay	90	0.059
Steele City	SD	Lyman	536.814	536.845	0.031	SD085	Bigbend silt loam	5	0.002
Steele City	SD	Lyman	536.845	536.875	0.030	SD085	Munjor fine sandy loam	5	0.001
Steele City	SD	Tripp	537.326	537.349	0.022	SD123	Hilmoe clay, 0 to 2 percent slopes	94	0.021
Steele City	SD	Tripp	537.349	537.614	0.266	SD123	Opal-Sansarc clays, 9 to 25 percent slopes	10	0.027
Steele City	SD	Tripp	537.614	537.759	0.145	SD123	Sansarc-Opal association, 15 to 40 percent slopes	3	0.004
Steele City	SD	Tripp	537.759	537.784	0.025	SD123	Westover loam, 9 to 25 percent slopes	1	0.000
Steele City	SD	Tripp	537.784	537.925	0.141	SD123	Lowry silt loam, 0 to 4 percent slopes	1	0.001
Steele City	SD	Tripp	537.925	538.019	0.094	SD123	Westover loam, 9 to 25 percent slopes	1	0.001
Steele City	SD	Tripp	538.019	538.176	0.157	SD123	Ree loam, 3 to 6 percent slopes	3	0.005
Steele City	SD	Tripp	538.176	538.211	0.035	SD123	Westover loam, 9 to 25 percent slopes	1	0.000
Steele City	SD	Tripp	538.211	538.253	0.042	SD123	Ree loam, 3 to 6 percent slopes	3	0.001
Steele City	SD	Tripp	538.253	538.429	0.176	SD123	Lowry silt loam, 0 to 4 percent slopes	1	0.002
Steele City	SD	Tripp	538.429	538.767	0.339	SD123	Ree loam, 3 to 6 percent slopes	3	0.010
Steele City	SD	Tripp	538.767	538.926	0.159	SD123	Westover loam, 9 to 25 percent slopes	1	0.002
Steele City	SD	Tripp	538.926	538.965	0.039	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	4	0.002
Steele City	SD	Tripp	538.965	539.067	0.102	SD123	Sansarc-Opal association, 15 to 40 percent slopes	3	0.003
Steele City	SD	Tripp	539.067	539.184	0.117	SD123	Bullcreek clay	100	0.117
Steele City	SD	Tripp	539.184	539.990	0.806	SD123	Sansarc-Opal association, 15 to 40 percent slopes	3	0.024
Steele City	SD	Tripp	539.990	540.226	0.236	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	4	0.009
Steele City	SD	Tripp	540.307	540.345	0.038	SD123	Westover loam, 9 to 25 percent slopes	1	0.000
Steele City	SD	Tripp	540.345	541.045	0.700	SD123	Ree loam, 0 to 3 percent slopes	3	0.021
Steele City	SD	Tripp	541.045	541.091	0.046	SD123	Westover loam, 9 to 25 percent slopes	1	0.000
Steele City	SD	Tripp	541.091	541.630	0.540	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	4	0.022
Steele City	SD	Tripp	541.630	542.136	0.505	SD123	Sansarc-Opal association, 15 to 40 percent slopes	3	0.015
Steele City	SD	Tripp	542.136	542.188	0.052	SD123	Bullcreek clay	100	0.052
Steele City	SD	Tripp	542.188	542.334	0.146	SD123	Sansarc-Opal association, 15 to 40 percent slopes	3	0.004
Steele City	SD	Tripp	542.334	542.397	0.063	SD123	Bullcreek clay	100	0.063
Steele City	SD	Tripp	542.397	542.671	0.275	SD123	Sansarc-Opal association, 15 to 40 percent slopes	3	0.008
Steele City	SD	Tripp	542.671	542.970	0.299	SD123	Bullcreek clay	100	0.299
Steele City	SD	Tripp	542.970	543.060	0.090	SD123	Opal clay, 3 to 9 percent slopes	10	0.009
Steele City	SD	Tripp	543.060	543.197	0.137	SD123	Bullcreek clay	100	0.137
Steele City	SD	Tripp	543.197	543.460	0.264	SD123	Sansarc-Opal association, 15 to 40 percent slopes	3	0.008
Steele City	SD	Tripp	543.460	543.916	0.455	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	4	0.018
Steele City	SD	Tripp	543.916	544.067	0.151	SD123	Ree loam, 6 to 9 percent slopes	3	0.005
Steele City	SD	Tripp	544.067	544.211	0.144	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	4	0.006
Steele City	SD	Tripp	544.211	544.758	0.547	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	6	0.033
Steele City	SD	Tripp	544.758	544.863	0.105	SD123	Ree loam, 6 to 9 percent slopes	3	0.003
Steele City	SD	Tripp	544.863	544.923	0.060	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	6	0.004
Steele City	SD	Tripp	544.923	545.100	0.177	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	4	0.007
Steele City	SD	Tripp	545.100	545.209	0.109	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	6	0.007

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	SD	Tripp	545.209	546.009	0.799	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	4	0.032
Steele City	SD	Tripp	546.009	546.049	0.040	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	40	0.016
Steele City	SD	Tripp	546.049	546.050	0.001	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	4	0.000
Steele City	SD	Tripp	546.050	546.619	0.569	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	40	0.228
Steele City	SD	Tripp	546.619	546.811	0.191	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.178
Steele City	SD	Tripp	546.811	546.961	0.150	SD123	Mosher silt loam	92	0.138
Steele City	SD	Tripp	546.961	547.088	0.127	SD123	Millboro silty clay, 0 to 3 percent slopes	99	0.126
Steele City	SD	Tripp	547.088	547.204	0.116	SD123	Mosher silt loam	92	0.107
Steele City	SD	Tripp	547.204	547.442	0.239	SD123	Millboro silty clay, 0 to 3 percent slopes	99	0.236
Steele City	SD	Tripp	547.442	547.540	0.098	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.091
Steele City	SD	Tripp	547.540	547.646	0.106	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	42	0.045
Steele City	SD	Tripp	547.646	548.179	0.533	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.495
Steele City	SD	Tripp	548.179	548.271	0.092	SD123	Witten silty clay	99	0.091
Steele City	SD	Tripp	548.271	548.400	0.129	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.120
Steele City	SD	Tripp	548.400	548.417	0.017	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	42	0.007
Steele City	SD	Tripp	548.417	548.420	0.003	SD123	Ree loam, 3 to 6 percent slopes	3	0.000
Steele City	SD	Tripp	548.420	548.598	0.177	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	42	0.075
Steele City	SD	Tripp	548.598	548.634	0.036	SD123	Ree loam, 3 to 6 percent slopes	3	0.001
Steele City	SD	Tripp	548.634	548.816	0.182	SD123	Reliance silty clay loam, 3 to 6 percent slopes	7	0.013
Steele City	SD	Tripp	548.816	549.399	0.583	SD123	Reliance silty clay loam, 6 to 9 percent slopes	5	0.029
Steele City	SD	Tripp	549.399	549.660	0.260	SD123	Reliance silty clay loam, 3 to 6 percent slopes	7	0.018
Steele City	SD	Tripp	549.660	549.807	0.148	SD123	Onita silt loam	2	0.003
Steele City	SD	Tripp	549.807	550.186	0.379	SD123	Reliance silty clay loam, 3 to 6 percent slopes	7	0.027
Steele City	SD	Tripp	550.186	550.288	0.102	SD123	Kolls clay	9	0.009
Steele City	SD	Tripp	550.288	550.852	0.563	SD123	Reliance silty clay loam, 3 to 6 percent slopes	7	0.039
Steele City	SD	Tripp	550.852	551.015	0.163	SD123	Millboro silty clay, 6 to 9 percent slopes	86	0.140
Steele City	SD	Tripp	551.015	551.076	0.062	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.057
Steele City	SD	Tripp	551.076	551.296	0.220	SD123	Carter silty clay loam	99	0.218
Steele City	SD	Tripp	551.296	551.355	0.058	SD123	Millboro silty clay, 0 to 3 percent slopes	99	0.058
Steele City	SD	Tripp	551.355	551.512	0.157	SD123	Carter silty clay loam	99	0.155
Steele City	SD	Tripp	551.512	551.602	0.090	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.084
Steele City	SD	Tripp	551.602	551.783	0.181	SD123	Millboro silty clay, 0 to 3 percent slopes	99	0.179
Steele City	SD	Tripp	551.783	551.962	0.180	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.167
Steele City	SD	Tripp	551.962	552.160	0.198	SD123	Millboro silty clay, 0 to 3 percent slopes	99	0.196
Steele City	SD	Tripp	552.160	552.404	0.245	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.227
Steele City	SD	Tripp	552.404	552.442	0.038	SD123	Witten silty clay	99	0.038
Steele City	SD	Tripp	552.442	552.573	0.131	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	42	0.055
Steele City	SD	Tripp	552.573	552.629	0.056	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.052
Steele City	SD	Tripp	552.629	553.029	0.399	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	42	0.168
Steele City	SD	Tripp	553.029	553.107	0.078	SD123	Carter silty clay loam	99	0.077
Steele City	SD	Tripp	553.107	554.369	1.262	SD123	Millboro silty clay, 3 to 6 percent slopes	93	1.174
Steele City	SD	Tripp	554.369	554.588	0.219	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	40	0.088
Steele City	SD	Tripp	554.588	554.649	0.061	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.057
Steele City	SD	Tripp	554.649	554.800	0.151	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	40	0.060
Steele City	SD	Tripp	554.934	555.024	0.090	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	40	0.036
Steele City	SD	Tripp	555.042	555.191	0.149	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	40	0.060
Steele City	SD	Tripp	555.191	555.320	0.130	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.121
Steele City	SD	Tripp	555.320	555.487	0.166	SD123	Witten silty clay	99	0.165
Steele City	SD	Tripp	555.487	556.311	0.825	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.767
Steele City	SD	Tripp	556.311	556.659	0.348	SD123	Witten silty clay	99	0.345
Steele City	SD	Tripp	556.659	556.985	0.326	SD123	Millboro silty clay, 0 to 3 percent slopes	99	0.323
Steele City	SD	Tripp	556.985	557.033	0.048	SD123	Witten silty clay	99	0.048
Steele City	SD	Tripp	557.033	557.142	0.109	SD123	Erd clay	100	0.109
Steele City	SD	Tripp	557.142	557.348	0.206	SD123	Erd-Capa complex	99	0.204
Steele City	SD	Tripp	557.348	557.662	0.314	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.292
Steele City	SD	Tripp	557.662	557.721	0.058	SD123	Carter silty clay loam	99	0.058
Steele City	SD	Tripp	557.721	557.875	0.154	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.143
Steele City	SD	Tripp	557.875	558.003	0.128	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	40	0.051
Steele City	SD	Tripp	558.003	558.300	0.297	SD123	Millboro silty clay, 0 to 3 percent slopes	99	0.294
Steele City	SD	Tripp	558.300	558.367	0.066	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.062
Steele City	SD	Tripp	558.367	558.460	0.093	SD123	Witten silty clay	99	0.092
Steele City	SD	Tripp	558.460	558.649	0.189	SD123	Millboro silty clay, 0 to 3 percent slopes	99	0.187
Steele City	SD	Tripp	558.649	558.716	0.068	SD123	Witten silty clay	99	0.067
Steele City	SD	Tripp	558.716	559.080	0.364	SD123	Millboro silty clay, 0 to 3 percent slopes	99	0.360
Steele City	SD	Tripp	559.080	559.229	0.148	SD123	Witten silty clay	99	0.147
Steele City	SD	Tripp	559.229	560.120	0.891	SD123	Millboro silty clay, 0 to 3 percent slopes	99	0.882
Steele City	SD	Tripp	560.120	560.250	0.131	SD123	Erd-Capa complex	99	0.129
Steele City	SD	Tripp	560.250	560.341	0.091	SD123	Millboro silty clay, 0 to 3 percent slopes	99	0.090
Steele City	SD	Tripp	560.341	560.441	0.099	SD123	Erd-Capa complex	99	0.098
Steele City	SD	Tripp	560.441	560.938	0.497	SD123	Millboro silty clay, 0 to 3 percent slopes	99	0.493
Steele City	SD	Tripp	560.938	561.033	0.094	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.088
Steele City	SD	Tripp	561.033	561.213	0.180	SD123	Millboro silty clay, 6 to 9 percent slopes	86	0.155
Steele City	SD	Tripp	561.213	561.424	0.211	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	6	0.013
Steele City	SD	Tripp	561.424	561.628	0.205	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	40	0.082
Steele City	SD	Tripp	561.628	561.970	0.342	SD123	Millboro silty clay, 6 to 9 percent slopes	86	0.294
Steele City	SD	Tripp	561.970	562.041	0.071	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	40	0.028
Steele City	SD	Tripp	562.041	562.503	0.462	SD123	Millboro silty clay, 6 to 9 percent slopes	86	0.398
Steele City	SD	Tripp	562.503	562.624	0.121	SD123	Witten silty clay	99	0.119
Steele City	SD	Tripp	562.624	562.833	0.209	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.194
Steele City	SD	Tripp	562.833	563.021	0.188	SD123	Millboro silty clay, 0 to 3 percent slopes	99	0.186
Steele City	SD	Tripp	563.021	563.105	0.084	SD123	Witten silty clay	99	0.083
Steele City	SD	Tripp	563.105	563.260	0.155	SD123	Millboro silty clay, 0 to 3 percent slopes	99	0.153
Steele City	SD	Tripp	563.260	563.483	0.223	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	40	0.089
Steele City	SD	Tripp	563.537	563.649	0.112	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	40	0.045
Steele City	SD	Tripp	563.649	563.778	0.129	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	6	0.008
Steele City	SD	Tripp	564.051	564.303	0.252	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	6	0.015
Steele City	SD	Tripp	564.303	564.535	0.232	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	40	0.093
Steele City	SD	Tripp	564.535	564.567	0.033	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	6	0.002
Steele City	SD	Tripp	564.619	564.759	0.140	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	6	0.008
Steele City	SD	Tripp	564.759	564.858	0.099	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	40	0.039
Steele City	SD	Tripp	564.858	565.049	0.191	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.178
Steele City	SD	Tripp	565.049	565.299	0.250	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	40	0.100
Steele City	SD	Tripp	565.299	565.395	0.096	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.089
Steele City	SD	Tripp	565.395	565.452	0.058	SD123	Millboro silty clay, 0 to 3 percent slopes	99	0.057
Steele City	SD	Tripp	565.452	565.554	0.101	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.094

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	SD	Tripp	565.554	565.623	0.070	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	40	0.028
Steele City	SD	Tripp	565.721	566.083	0.362	SD123	Bridgeport complex	28	0.101
Steele City	SD	Tripp	566.083	566.108	0.025	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	2	0.001
Steele City	SD	Tripp	566.108	566.245	0.136	SD123	Bridgeport complex	28	0.038
Steele City	SD	Tripp	566.245	566.534	0.289	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	2	0.006
Steele City	SD	Tripp	566.534	566.659	0.126	SD123	Bridgeport complex	28	0.035
Steele City	SD	Tripp	566.659	566.965	0.305	SD123	Witten silty clay	99	0.302
Steele City	SD	Tripp	566.965	567.171	0.206	SD123	Millboro silty clay, 0 to 3 percent slopes	99	0.204
Steele City	SD	Tripp	567.171	567.255	0.084	SD123	Witten silty clay	99	0.083
Steele City	SD	Tripp	567.255	567.418	0.163	SD123	Millboro silty clay, 0 to 3 percent slopes	99	0.161
Steele City	SD	Tripp	567.418	567.689	0.271	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.252
Steele City	SD	Tripp	567.689	567.847	0.157	SD123	Millboro silty clay, 0 to 3 percent slopes	99	0.156
Steele City	SD	Tripp	567.847	567.860	0.013	SD123	Millboro silty clay, 3 to 6 percent slopes	93	0.012
Steele City	SD	Tripp	567.860	567.930	0.071	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	40	0.028
Steele City	SD	Tripp	567.930	568.619	0.689	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	6	0.041
Steele City	SD	Tripp	568.619	568.894	0.274	SD123	Ree loam, 6 to 9 percent slopes	3	0.008
Steele City	SD	Tripp	568.894	568.913	0.020	SD123	Millboro silty clay, 6 to 9 percent slopes	86	0.017
Steele City	SD	Tripp	568.913	569.279	0.365	SD123	Ree loam, 6 to 9 percent slopes	3	0.011
Steele City	SD	Tripp	569.279	569.361	0.082	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	40	0.033
Steele City	SD	Tripp	569.361	569.546	0.185	SD123	Ree loam, 6 to 9 percent slopes	3	0.006
Steele City	SD	Tripp	569.647	569.801	0.154	SD123	Ree loam, 6 to 9 percent slopes	3	0.005
Steele City	SD	Tripp	569.801	569.944	0.143	SD123	Promise clay, 6 to 9 percent slopes	95	0.135
Steele City	SD	Tripp	569.944	570.016	0.073	SD123	Millboro silty clay, 6 to 9 percent slopes	86	0.062
Steele City	SD	Tripp	570.101	570.518	0.418	SD123	Ree loam, 6 to 9 percent slopes	3	0.013
Steele City	SD	Tripp	571.093	571.197	0.104	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	2	0.002
Steele City	SD	Tripp	571.197	571.326	0.129	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	571.329	571.390	0.062	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	572.182	572.241	0.060	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	2	0.001
Steele City	SD	Tripp	572.354	572.542	0.187	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	2	0.004
Steele City	SD	Tripp	572.542	572.657	0.116	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	40	0.046
Steele City	SD	Tripp	572.657	573.083	0.426	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	1	0.004
Steele City	SD	Tripp	573.238	573.837	0.599	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	2	0.012
Steele City	SD	Tripp	573.935	574.070	0.135	SD123	Elsmere fine sandy loam	5	0.007
Steele City	SD	Tripp	574.244	574.315	0.071	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	2	0.001
Steele City	SD	Tripp	574.387	574.547	0.160	SD123	Elsmere fine sandy loam	5	0.008
Steele City	SD	Tripp	574.613	574.686	0.073	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	2	0.001
Steele City	SD	Tripp	575.748	575.953	0.205	SD123	Ronson-Longpine fine sandy loams, 0 to 6 percent slopes	1	0.002
Steele City	SD	Tripp	576.224	576.406	0.182	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	2	0.004
Steele City	SD	Tripp	576.406	576.444	0.038	SD123	Elsmere fine sandy loam	5	0.002
Steele City	SD	Tripp	576.444	576.542	0.098	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	2	0.002
Steele City	SD	Tripp	576.542	576.619	0.077	SD123	Elsmere fine sandy loam	5	0.004
Steele City	SD	Tripp	576.619	576.778	0.159	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	2	0.003
Steele City	SD	Tripp	576.882	577.017	0.135	SD123	Ronson fine sandy loam, 0 to 4 percent slopes	3	0.004
Steele City	SD	Tripp	577.194	577.287	0.092	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	577.375	577.592	0.217	SD123	Elsmere fine sandy loam	5	0.011
Steele City	SD	Tripp	577.592	577.634	0.041	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.000
Steele City	SD	Tripp	577.874	577.917	0.043	SD123	Vetal fine sandy loam	4	0.002
Steele City	SD	Tripp	577.917	578.044	0.127	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	578.791	578.884	0.093	SD123	Whitelake fine sandy loam	91	0.084
Steele City	SD	Tripp	578.884	579.007	0.122	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	579.007	579.189	0.182	SD123	Whitelake fine sandy loam	91	0.166
Steele City	SD	Tripp	579.189	579.335	0.146	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	579.335	579.403	0.069	SD123	Whitelake-Lute fine sandy loams	80	0.055
Steele City	SD	Tripp	579.776	579.993	0.217	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	1	0.002
Steele City	SD	Tripp	579.993	580.051	0.058	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	2	0.001
Steele City	SD	Tripp	580.051	580.294	0.243	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	1	0.002
Steele City	SD	Tripp	580.294	580.447	0.153	SD123	Wewela fine sandy loam, 0 to 3 percent slopes	4	0.006
Steele City	SD	Tripp	580.447	580.479	0.032	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	1	0.000
Steele City	SD	Tripp	580.531	580.642	0.111	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	580.642	580.828	0.186	SD123	Whitelake fine sandy loam	91	0.169
Steele City	SD	Tripp	580.828	580.972	0.144	SD123	Whitelake-Lute fine sandy loams	80	0.115
Steele City	SD	Tripp	580.972	581.009	0.037	SD123	Whitelake fine sandy loam	91	0.033
Steele City	SD	Tripp	581.009	581.035	0.026	SD123	Whitelake-Lute fine sandy loams	80	0.021
Steele City	SD	Tripp	581.035	581.237	0.202	SD123	Whitelake fine sandy loam	91	0.184
Steele City	SD	Tripp	581.237	581.330	0.093	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	581.853	581.938	0.084	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	581.982	582.097	0.114	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	582.215	582.267	0.052	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	2	0.001
Steele City	SD	Tripp	582.644	582.681	0.037	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	2	0.001
Steele City	SD	Tripp	582.764	582.852	0.088	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	2	0.002
Steele City	SD	Tripp	583.013	583.032	0.019	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.000
Steele City	SD	Tripp	583.108	583.281	0.173	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.002
Steele City	SD	Tripp	583.564	583.646	0.082	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	2	0.002
Steele City	SD	Tripp	583.850	583.894	0.044	SD123	Ronson fine sandy loam, 0 to 4 percent slopes	3	0.001
Steele City	SD	Tripp	583.898	584.292	0.394	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.004
Steele City	SD	Tripp	584.292	584.411	0.119	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	2	0.002
Steele City	SD	Tripp	584.675	584.854	0.178	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.002
Steele City	SD	Tripp	585.017	585.305	0.289	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	1	0.003
Steele City	SD	Tripp	585.305	585.308	0.002	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.000
Steele City	SD	Tripp	585.409	585.410	0.002	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.000
Steele City	SD	Tripp	585.543	585.646	0.103	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.001
Steele City	SD	Tripp	585.646	585.715	0.069	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	2	0.001
Steele City	SD	Tripp	586.175	586.380	0.205	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.002
Steele City	SD	Tripp	586.633	587.126	0.492	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.005
Steele City	SD	Tripp	588.197	588.215	0.018	SD123	Doger loamy fine sand, 0 to 6 percent slopes	1	0.000
Steele City	SD	Tripp	588.215	588.331	0.115	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	2	0.002
Steele City	SD	Tripp	588.418	588.626	0.208	SD123	Ronson-Longpine fine sandy loams, 0 to 6 percent slopes	1	0.002
Steele City	SD	Tripp	588.626	588.750	0.124	SD123	Ronson fine sandy loam, 0 to 4 percent slopes	3	0.004
Steele City	SD	Tripp	590.334	590.495	0.161	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	1	0.002
Steele City	SD	Tripp	590.867	590.922	0.055	SD123	Wann fine sandy loam	1	0.001
Steele City	SD	Tripp	590.922	591.106	0.185	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	1	0.002
Steele City	SD	Tripp	591.106	591.180	0.074	SD123	Boyd clay, 5 to 9 percent slopes	5	0.004
Steele City	SD	Tripp	591.180	591.222	0.042	SD123	Wann fine sandy loam	1	0.000
Steele City	SD	Tripp	591.222	591.487	0.264	SD123	Boyd clay, 5 to 9 percent slopes	5	0.013
Steele City	SD	Tripp	591.847	592.307	0.459	SD123	Boyd-Okaton association, 9 to 25 percent slopes	1	0.005

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	SD	Tripp	592.839	592.921	0.081	SD123	Boyd-Okaton association, 9 to 25 percent slopes	1	0.001
Steele City	SD	Tripp	594.433	594.533	0.101	SD123	Ree loam, 3 to 6 percent slopes	3	0.003
Steele City	SD	Tripp	594.649	594.655	0.005	SD123	Ree loam, 3 to 6 percent slopes	3	0.000
Steele City	SD	Tripp	594.715	595.143	0.428	SD123	Boyd-Okaton association, 9 to 25 percent slopes	1	0.004
Steele City	SD	Tripp	595.286	595.511	0.225	SD123	Boyd-Okaton association, 9 to 25 percent slopes	1	0.002
Steele City	SD	Tripp	595.511	595.588	0.078	SD123	Promise clay, 3 to 6 percent slopes	99	0.077
Steele City	SD	Tripp	595.588	595.722	0.133	SD123	Bridgeport complex, channeled	16	0.021
Steele City	SD	Tripp	595.722	595.860	0.138	SD123	Bridgeport complex	28	0.039
Steele City	SD	Tripp	595.860	595.923	0.063	SD123	Promise clay, 3 to 6 percent slopes	99	0.062
Steele City	SD	Tripp	596.079	596.202	0.124	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	2	0.002
Steele City	SD	Tripp	596.232	596.490	0.258	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	2	0.005
Steele City	SD	Tripp	596.610	596.645	0.035	SD123	Boyd-Okaton association, 9 to 25 percent slopes	1	0.000
Steele City	NE	Holt	628.418	628.515	0.097	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	38	0.037
Steele City	NE	Holt	628.538	628.631	0.094	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	38	0.036
Steele City	NE	Holt	628.855	629.054	0.199	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	38	0.076
Steele City	NE	Holt	629.294	629.376	0.082	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	40	0.033
Steele City	NE	Holt	629.595	629.652	0.057	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	40	0.023
Steele City	NE	Holt	629.652	629.789	0.137	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	38	0.052
Steele City	NE	Holt	630.007	630.062	0.055	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	38	0.021
Steele City	NE	Holt	630.265	630.344	0.079	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	40	0.031
Steele City	NE	Holt	630.454	630.531	0.077	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	40	0.031
Steele City	NE	Holt	630.557	630.662	0.104	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	40	0.042
Steele City	NE	Holt	630.739	630.776	0.037	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	40	0.015
Steele City	NE	Holt	630.986	631.309	0.323	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	40	0.129
Steele City	NE	Holt	631.330	631.387	0.057	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	40	0.023
Steele City	NE	Holt	631.449	631.555	0.106	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	40	0.042
Steele City	NE	Holt	631.656	631.690	0.034	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	40	0.014
Steele City	NE	Holt	631.722	631.824	0.102	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	40	0.041
Steele City	NE	Holt	631.929	632.042	0.113	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	40	0.045
Steele City	NE	Holt	633.270	633.545	0.276	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	40	0.110
Steele City	NE	Holt	633.545	634.051	0.506	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	38	0.192
Steele City	NE	Holt	634.097	634.148	0.052	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	38	0.020
Steele City	NE	Holt	635.130	635.479	0.349	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	38	0.133
Steele City	NE	Holt	635.561	636.029	0.468	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	38	0.178
Steele City	NE	Holt	646.747	646.765	0.017	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	38	0.007
Steele City	NE	Holt	653.809	653.877	0.068	NE089	Almeria-Calamus complex, channeled	49	0.034
Steele City	NE	Holt	663.352	663.573	0.221	NE089	Elsmere-Selia loamy fine sands, 0 to 2 percent slopes	38	0.084
Steele City	NE	Wheeler	696.431	696.466	0.034	NE183	Tryon-Inavale complex, channeled	60	0.021
Steele City	NE	Merrick	746.689	746.733	0.044	NE121	Lex clay loam, 0 to 1 percent slopes	99	0.043
Steele City	NE	Merrick	749.033	749.064	0.030	NE121	Lamo-Saltine complex, 0 to 1 percent slopes	35	0.011
Steele City	NE	Merrick	749.064	749.174	0.110	NE121	Gayville-Caruso complex, 0 to 1 percent slopes	99	0.109
Steele City	NE	Merrick	749.174	749.176	0.002	NE121	Caruso-Gayville complex, 0 to 1 percent slopes	99	0.002
Steele City	NE	Merrick	749.550	749.647	0.096	NE121	Caruso-Gayville complex, 0 to 1 percent slopes	99	0.095
Steele City	NE	Merrick	749.915	749.971	0.055	NE121	Caruso-Gayville complex, 0 to 1 percent slopes	99	0.055
Steele City	NE	Merrick	750.610	750.879	0.269	NE121	Alda loam, 0 to 1 percent slopes	99	0.267
Steele City	NE	Merrick	750.879	750.934	0.055	NE121	Lex clay loam, 0 to 1 percent slopes	99	0.055
Steele City	NE	Merrick	752.861	753.247	0.386	NE121	Lawet variant fine sandy loam, 0 to 1 percent slopes	100	0.386
Steele City	NE	Merrick	753.311	753.347	0.037	NE121	Alda sandy loam, 0 to 2 percent slopes	99	0.036
Steele City	NE	Merrick	755.195	755.270	0.075	NE121	Alda sandy loam, 0 to 2 percent slopes	99	0.074
Steele City	NE	Merrick	755.741	755.780	0.040	NE121	Alda sandy loam, 0 to 2 percent slopes	99	0.039
Steele City	NE	Merrick	755.836	756.038	0.202	NE121	Alda sandy loam, 0 to 2 percent slopes	99	0.200
Steele City	NE	Merrick	756.038	756.113	0.075	NE121	Alda loam, 0 to 1 percent slopes	99	0.074
Steele City	NE	Merrick	756.113	756.157	0.045	NE121	Alda sandy loam, 0 to 2 percent slopes	99	0.044
Steele City	NE	Merrick	756.349	756.457	0.108	NE121	Lex loam, 0 to 1 percent slopes	99	0.107
Steele City	NE	Hamilton	757.479	757.557	0.078	NE081	Alda loam, 0 to 2 percent slopes	100	0.078
Steele City	NE	Fillmore	794.528	794.671	0.143	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.003
Steele City	NE	Fillmore	794.671	794.971	0.300	NE059	Butler silt loam, 0 to 1 percent slopes	2	0.006
Steele City	NE	Fillmore	794.971	795.040	0.069	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.001
Steele City	NE	Fillmore	795.410	795.458	0.048	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.001
Steele City	NE	Fillmore	795.458	795.520	0.063	NE059	Butler silt loam, 0 to 1 percent slopes	2	0.001
Steele City	NE	Fillmore	795.520	795.798	0.277	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.006
Steele City	NE	Fillmore	795.798	795.936	0.138	NE059	Butler silt loam, 0 to 1 percent slopes	2	0.003
Steele City	NE	Fillmore	795.936	795.978	0.043	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.001
Steele City	NE	Fillmore	795.978	796.051	0.073	NE059	Butler silt loam, 0 to 1 percent slopes	2	0.001
Steele City	NE	Fillmore	796.051	796.398	0.347	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.007
Steele City	NE	Fillmore	796.457	796.530	0.074	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.001
Steele City	NE	Fillmore	796.822	796.883	0.061	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.001
Steele City	NE	Fillmore	796.883	797.073	0.190	NE059	Butler silt loam, 0 to 1 percent slopes	2	0.004
Steele City	NE	Fillmore	797.148	797.221	0.073	NE059	Butler silt loam, 0 to 1 percent slopes	2	0.001
Steele City	NE	Fillmore	797.221	797.442	0.222	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.004
Steele City	NE	Fillmore	797.560	797.914	0.353	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.007
Steele City	NE	Fillmore	797.914	798.196	0.282	NE059	Butler silt loam, 0 to 1 percent slopes	2	0.006
Steele City	NE	Fillmore	798.196	798.361	0.165	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.003
Steele City	NE	Fillmore	798.361	798.570	0.209	NE059	Butler silt loam, 0 to 1 percent slopes	2	0.004
Steele City	NE	Fillmore	798.570	798.706	0.135	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	55	0.075
Steele City	NE	Fillmore	798.776	798.859	0.083	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.002
Steele City	NE	Fillmore	798.942	799.040	0.097	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	55	0.054
Steele City	NE	Fillmore	799.081	799.165	0.084	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	55	0.046
Steele City	NE	Fillmore	799.165	799.258	0.093	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.002
Steele City	NE	Fillmore	799.325	799.467	0.142	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	55	0.078
Steele City	NE	Fillmore	799.467	799.600	0.133	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.003
Steele City	NE	Fillmore	799.600	800.371	0.771	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	55	0.424
Steele City	NE	Fillmore	800.579	800.691	0.112	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	55	0.062
Steele City	NE	Fillmore	800.691	800.736	0.045	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.001
Steele City	NE	Fillmore	800.775	800.884	0.109	NE059	Butler silt loam, 0 to 1 percent slopes	2	0.002
Steele City	NE	Fillmore	801.080	801.428	0.348	NE059	Butler silt loam, 0 to 1 percent slopes	2	0.007
Steele City	NE	Fillmore	801.517	801.613	0.096	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.002
Steele City	NE	Fillmore	801.725	801.899	0.174	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.003
Steele City	NE	Fillmore	801.950	802.023	0.073	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.001
Steele City	NE	Fillmore	802.089	802.238	0.149	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.003
Steele City	NE	Fillmore	802.284	802.353	0.069	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.001
Steele City	NE	Fillmore	802.460	802.571	0.111	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.002
Steele City	NE	Fillmore	802.665	802.714	0.049	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.001
Steele City	NE	Fillmore	802.856	803.110	0.255	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.005
Steele City	NE	Fillmore	803.110	803.154	0.044	NE059	Butler silt loam, 0 to 1 percent slopes	2	0.001

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Steele City	NE	Fillmore	803.154	803.235	0.081	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.002
Steele City	NE	Fillmore	803.331	803.368	0.037	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.001
Steele City	NE	Fillmore	803.468	803.495	0.027	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.001
Steele City	NE	Fillmore	803.555	803.641	0.086	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.002
Steele City	NE	Fillmore	803.734	803.744	0.010	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.000
Steele City	NE	Fillmore	803.788	804.027	0.239	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.005
Steele City	NE	Fillmore	804.148	804.340	0.191	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.004
Steele City	NE	Fillmore	804.430	804.597	0.167	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.003
Steele City	NE	Fillmore	804.632	804.733	0.101	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.002
Steele City	NE	Fillmore	804.840	804.963	0.122	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.002
Steele City	NE	Fillmore	805.440	805.656	0.216	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.004
Steele City	NE	Fillmore	805.670	806.138	0.467	NE059	Crete silt loam, 0 to 1 percent slopes	2	0.009
Steele City	NE	Fillmore	807.067	807.205	0.138	NE059	Butler silt loam, 0 to 1 percent slopes	2	0.003
GULF COAST SEGMENT									
Gulf Coast	OK	Lincoln	1.13687E-13	0.038496954	0.038497	OK081	Seminole loam, 1 to 3 percent slopes	95	0.036572106
Gulf Coast	OK	Lincoln	0.038496954	0.097501651	0.059005	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.055464415
Gulf Coast	OK	Lincoln	0.230771873	0.416154077	0.185382	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.174259271
Gulf Coast	OK	Lincoln	0.416154077	0.475781971	0.059628	OK081	Seminole loam, 3 to 5 percent slopes	95	0.0566465
Gulf Coast	OK	Lincoln	0.475781971	0.633239928	0.157458	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.047237387
Gulf Coast	OK	Lincoln	0.633239928	0.930344719	0.297105	OK081	Seminole loam, 3 to 5 percent slopes	95	0.282249552
Gulf Coast	OK	Lincoln	1.866297628	2.026249705	0.159952	OK081	Renthin silty clay loam, 3 to 5 percent slopes, eroded	5	0.007997604
Gulf Coast	OK	Lincoln	2.026249705	2.213729853	0.18748	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.056244044
Gulf Coast	OK	Lincoln	2.734535757	2.853216488	0.118681	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.035604219
Gulf Coast	OK	Lincoln	2.853216488	2.98615337	0.132937	OK081	Seminole loam, 1 to 3 percent slopes	95	0.126290037
Gulf Coast	OK	Lincoln	2.98615337	3.035980163	0.049827	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.046837186
Gulf Coast	OK	Lincoln	3.035980163	3.153619837	0.11764	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.035291902
Gulf Coast	OK	Lincoln	3.599202992	3.712424975	0.113222	OK081	Seminole loam, 3 to 5 percent slopes	95	0.107560884
Gulf Coast	OK	Lincoln	5.130964446	5.365538309	0.234574	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.070372159
Gulf Coast	OK	Lincoln	5.365538309	5.451718933	0.086181	OK081	Seminole loam, 3 to 5 percent slopes	95	0.081871593
Gulf Coast	OK	Lincoln	5.494342231	5.648030823	0.153689	OK081	Seminole loam, 3 to 5 percent slopes	95	0.146004162
Gulf Coast	OK	Lincoln	5.76119647	5.816258062	0.055062	OK081	Seminole loam, 3 to 5 percent slopes	95	0.052308512
Gulf Coast	OK	Lincoln	5.85487728	5.911274134	0.056397	OK081	Seminole loam, 3 to 5 percent slopes	95	0.053577011
Gulf Coast	OK	Lincoln	5.911274134	6.19793997	0.286666	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.269465885
Gulf Coast	OK	Lincoln	6.19793997	6.481666044	0.283726	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.085117822
Gulf Coast	OK	Lincoln	6.532476435	6.712841666	0.180365	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.054109569
Gulf Coast	OK	Lincoln	6.712841666	6.865225338	0.152384	OK081	Seminole loam, 3 to 5 percent slopes	95	0.144764489
Gulf Coast	OK	Lincoln	6.865225338	6.90937362	0.044148	OK081	Seminole loam, 1 to 3 percent slopes	95	0.041940868
Gulf Coast	OK	Lincoln	6.90937362	6.944220489	0.034847	OK081	Seminole loam, 3 to 5 percent slopes	95	0.033104526
Gulf Coast	OK	Lincoln	7.726823019	7.861525971	0.134703	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.126620775
Gulf Coast	OK	Lincoln	8.222172781	8.33463972	0.112467	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.105718923
Gulf Coast	OK	Lincoln	8.386914055	8.456407404	0.069493	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.065323748
Gulf Coast	OK	Lincoln	8.531527039	8.730644392	0.199117	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.187170311
Gulf Coast	OK	Lincoln	8.795342614	8.891606101	0.096263	OK081	Seminole loam, 3 to 5 percent slopes	95	0.091450313
Gulf Coast	OK	Lincoln	8.891606101	8.929508996	0.037903	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.035628721
Gulf Coast	OK	Lincoln	9.00055399	9.036805772	0.036252	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.034076675
Gulf Coast	OK	Lincoln	9.036805772	9.174694835	0.137889	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.041366719
Gulf Coast	OK	Lincoln	9.549625107	9.747604792	0.19798	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.186100904
Gulf Coast	OK	Lincoln	9.847045296	10.10197928	0.254934	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.239637944
Gulf Coast	OK	Lincoln	10.10197928	10.13901348	0.037034	OK081	Seminole loam, 1 to 3 percent slopes	95	0.035182494
Gulf Coast	OK	Lincoln	10.13901348	10.37540442	0.236391	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.222207482
Gulf Coast	OK	Lincoln	10.37540442	10.4767392	0.101335	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.030400433
Gulf Coast	OK	Lincoln	10.57184044	10.63844414	0.066604	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.062607479
Gulf Coast	OK	Lincoln	10.75254295	11.2775763	0.525033	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.493531345
Gulf Coast	OK	Lincoln	11.3563988	11.61427523	0.257876	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.242403845
Gulf Coast	OK	Lincoln	11.61427523	11.65089308	0.036618	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.010985354
Gulf Coast	OK	Lincoln	11.65089308	11.69304823	0.042155	OK081	Seminole loam, 1 to 3 percent slopes	95	0.040047391
Gulf Coast	OK	Lincoln	11.69304823	11.83308898	0.140041	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.042012223
Gulf Coast	OK	Lincoln	11.83308898	11.90850248	0.075414	OK081	Seminole loam, 1 to 3 percent slopes	95	0.071642827
Gulf Coast	OK	Lincoln	11.90850248	11.95787358	0.049371	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.01481133
Gulf Coast	OK	Lincoln	11.95787358	12.18582645	0.227953	OK081	Seminole loam, 1 to 3 percent slopes	95	0.216555228
Gulf Coast	OK	Lincoln	12.18582645	12.64005129	0.454225	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.136267452
Gulf Coast	OK	Lincoln	12.69304546	12.82271426	0.129669	OK081	Seminole loam, 3 to 5 percent slopes	95	0.12318536
Gulf Coast	OK	Lincoln	12.88021454	13.10833271	0.228118	OK081	Seminole loam, 3 to 5 percent slopes	95	0.216712259
Gulf Coast	OK	Lincoln	13.10833271	13.32472776	0.216395	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.064918517
Gulf Coast	OK	Lincoln	13.32472776	13.4996508	0.174923	OK081	Coyle loam, 3 to 5 percent slopes, eroded	4	0.006996921
Gulf Coast	OK	Lincoln	13.57914613	13.58915137	0.010005	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.003001574
Gulf Coast	OK	Lincoln	13.58915137	13.66564634	0.076495	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.071905268
Gulf Coast	OK	Lincoln	13.66564634	13.90132048	0.235674	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.070702243
Gulf Coast	OK	Lincoln	14.52077183	14.61015222	0.08938	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.084017568
Gulf Coast	OK	Lincoln	14.64822984	14.67032512	0.022095	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.006628583
Gulf Coast	OK	Lincoln	14.70319243	14.85601674	0.152824	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.045847295
Gulf Coast	OK	Lincoln	15.41139543	15.53416873	0.122773	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.115406904
Gulf Coast	OK	Lincoln	15.53416873	15.58503423	0.050865	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.015259649
Gulf Coast	OK	Lincoln	15.68983583	15.73687608	0.04704	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.044217831
Gulf Coast	OK	Lincoln	15.73687608	15.84126064	0.104385	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.031315368
Gulf Coast	OK	Lincoln	15.84126064	15.93378281	0.092522	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.086970841
Gulf Coast	OK	Lincoln	15.93378281	16.24985464	0.316072	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.094821551
Gulf Coast	OK	Lincoln	16.24985464	16.3320841	0.082229	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.077295693
Gulf Coast	OK	Lincoln	16.3320841	16.52388088	0.191797	OK081	Seminole loam, 1 to 3 percent slopes	95	0.18220694
Gulf Coast	OK	Lincoln	16.54471785	16.96146395	0.416746	OK081	Seminole loam, 1 to 3 percent slopes	95	0.395908795
Gulf Coast	OK	Lincoln	16.96146395	16.99164049	0.030177	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.009052962
Gulf Coast	OK	Lincoln	16.99164049	17.07928006	0.08764	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.082381198
Gulf Coast	OK	Lincoln	17.16370776	17.19239998	0.028692	OK081	Seminole loam, 3 to 5 percent slopes, eroded	94	0.026970689
Gulf Coast	OK	Lincoln	17.19239998	17.31423005	0.12183	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	30	0.036549019
Gulf Coast	OK	Lincoln	17.31423005	17.41929305	0.105063	OK081	Seminole loam, 3 to 5 percent slopes	95	0.099809851
Gulf Coast	OK	Creek	18.46614975	18.52342769	0.057278	OK037	Oil waste land-Huska complex, 1 to 8 percent slopes	30	0.017183383
Gulf Coast	OK	Okfuskee	25.95539642	26.46539901	0.510003	OK107	Renfrow silt loam, 3 to 5 percent slopes	2	0.010200052
Gulf Coast	OK	Okfuskee	28.92756725	28.98995291	0.062386	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	2	0.001247713
Gulf Coast	OK	Okfuskee	29.05584245	29.27156392	0.215721	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	2	0.004314429
Gulf Coast	OK	Okfuskee	29.61949483	29.87280209	0.253307	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	2	0.005066145
Gulf Coast	OK	Okfuskee	30.0838144	30.12408803	0.040274	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	2	0.000805473
Gulf Coast	OK	Okfuskee	30.26813822	30.39489975	0.126762	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	2	0.002535231
Gulf Coast	OK	Okfuskee	36.06931784	36.39687895	0.327561	OK107	Renfrow silt loam, 3 to 5 percent slopes	2	0.006551222
Gulf Coast	OK	Seminole	38.71934823	38.77109091	0.051743	OK133	Gracemore loamy fine sand, 0 to 1 percent slopes, frequently flooded	95	0.049155544
Gulf Coast	OK	Seminole	40.12182028	40.24802132	0.126201	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, severely	40	0.050480417

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Gulf Coast	OK	Seminole	40.24802132	40.32342023	0.075399	OK133	Dennis loam, 3 to 5 percent slopes	5	0.003769945
Gulf Coast	OK	Seminole	40.41339416	40.52431245	0.110918	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, severely	40	0.044367313
Gulf Coast	OK	Seminole	40.52431245	40.56140546	0.037093	OK133	Dennis loam, 3 to 5 percent slopes	5	0.001854651
Gulf Coast	OK	Seminole	41.05052949	41.10492413	0.054395	OK133	Dennis loam, 3 to 5 percent slopes	5	0.002719732
Gulf Coast	OK	Seminole	41.10492413	41.16971463	0.064791	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.035634775
Gulf Coast	OK	Seminole	41.16971463	41.25584424	0.08613	OK133	Okemah silt loam, 1 to 3 percent slopes	5	0.004306481
Gulf Coast	OK	Seminole	41.45349538	41.51475253	0.061257	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.033691432
Gulf Coast	OK	Seminole	41.51475253	41.61779757	0.103045	OK133	Okemah silt loam, 1 to 3 percent slopes	5	0.005152252
Gulf Coast	OK	Seminole	41.61779757	41.67440144	0.056604	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	30	0.016981162
Gulf Coast	OK	Seminole	41.8358919	41.86365967	0.027768	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.015272275
Gulf Coast	OK	Seminole	41.86365967	41.91965806	0.055998	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, severely	40	0.022399353
Gulf Coast	OK	Seminole	41.91965806	42.13284216	0.213184	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.117251257
Gulf Coast	OK	Seminole	42.34008282	42.4040761	0.063993	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	30	0.019197985
Gulf Coast	OK	Seminole	42.45735505	42.48135611	0.024001	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.013200581
Gulf Coast	OK	Seminole	42.6870614	42.70516183	0.0181	OK133	Dennis loam, 3 to 5 percent slopes	5	0.000905021
Gulf Coast	OK	Seminole	42.72392808	42.83351866	0.109591	OK133	Dennis loam, 3 to 5 percent slopes	5	0.005479529
Gulf Coast	OK	Seminole	42.88189197	42.96451534	0.082623	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	30	0.024787011
Gulf Coast	OK	Seminole	44.05366983	44.14252788	0.088858	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely eroded	2	0.001777161
Gulf Coast	OK	Seminole	44.48184038	44.72538532	0.243545	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely eroded	2	0.004870899
Gulf Coast	OK	Seminole	44.72949506	44.74300001	0.013505	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely eroded	2	0.000270099
Gulf Coast	OK	Seminole	45.16296936	45.36527859	0.202309	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely eroded	2	0.004046185
Gulf Coast	OK	Seminole	45.53277814	45.93338391	0.400606	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely eroded	2	0.008012115
Gulf Coast	OK	Seminole	46.25258289	46.27846503	0.025882	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.014235179
Gulf Coast	OK	Seminole	46.28865546	46.44717169	0.158516	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.087183923
Gulf Coast	OK	Seminole	46.44717169	46.52609378	0.078922	OK133	Prue loam, 1 to 3 percent slopes	5	0.003946105
Gulf Coast	OK	Seminole	46.52609378	46.60774006	0.081646	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	30	0.024493883
Gulf Coast	OK	Seminole	46.60774006	46.65703371	0.049294	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.027111512
Gulf Coast	OK	Seminole	46.65703371	46.80015167	0.143118	OK133	Prue loam, 1 to 3 percent slopes	5	0.007155898
Gulf Coast	OK	Seminole	46.80015167	46.90015848	0.100007	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.055003747
Gulf Coast	OK	Seminole	46.90015848	46.93875771	0.038599	OK133	Prue loam, 1 to 3 percent slopes	5	0.001929961
Gulf Coast	OK	Seminole	46.93875771	47.01705691	0.078299	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.043064558
Gulf Coast	OK	Seminole	47.1010288	47.1759248	0.074896	OK133	Bates loam, 1 to 3 percent slopes	10	0.007489601
Gulf Coast	OK	Seminole	47.1759248	47.41415346	0.238229	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	30	0.071468596
Gulf Coast	OK	Seminole	47.41415346	47.44449671	0.030343	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.01668879
Gulf Coast	OK	Seminole	47.44449671	47.46477902	0.020282	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	30	0.006084693
Gulf Coast	OK	Seminole	47.46477902	47.52317149	0.058392	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.032115861
Gulf Coast	OK	Seminole	47.52317149	47.6244444	0.101273	OK133	Bates loam, 3 to 5 percent slopes	8	0.008101832
Gulf Coast	OK	Seminole	47.6244444	47.68878626	0.064342	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	30	0.019302559
Gulf Coast	OK	Seminole	47.68878626	47.7714501	0.082664	OK133	Bates loam, 3 to 5 percent slopes	8	0.006613108
Gulf Coast	OK	Seminole	48.28149685	48.42171648	0.14022	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, severely	40	0.05608785
Gulf Coast	OK	Seminole	48.91176184	48.96262731	0.050865	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, severely	40	0.02034619
Gulf Coast	OK	Seminole	48.96262731	49.01836295	0.055736	OK133	Bates loam, 1 to 3 percent slopes	10	0.005573564
Gulf Coast	OK	Seminole	49.07608332	49.1861485	0.110065	OK133	Bates loam, 3 to 5 percent slopes	8	0.008805214
Gulf Coast	OK	Seminole	49.1861485	49.26749326	0.081345	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.04473962
Gulf Coast	OK	Seminole	49.48733695	49.50630723	0.01897	OK133	Okemah silt loam, 1 to 3 percent slopes	5	0.000948514
Gulf Coast	OK	Seminole	49.65785719	49.8155333	0.157676	OK133	Prue loam, 3 to 5 percent slopes	5	0.007883806
Gulf Coast	OK	Seminole	49.8155333	49.94459098	0.129058	OK133	Prue loam, 1 to 3 percent slopes	5	0.006452884
Gulf Coast	OK	Seminole	49.94459098	50.04517483	0.100584	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	30	0.030175154
Gulf Coast	OK	Seminole	50.04517483	50.08250409	0.037329	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.020531092
Gulf Coast	OK	Seminole	50.08250409	50.13800015	0.055496	OK133	Bates loam, 3 to 5 percent slopes	8	0.004439685
Gulf Coast	OK	Seminole	50.13800015	50.19494512	0.056945	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.031319735
Gulf Coast	OK	Seminole	50.19494512	50.21412012	0.019175	OK133	Okemah silt loam, 1 to 3 percent slopes	5	0.00095875
Gulf Coast	OK	Seminole	50.37971033	50.38577227	0.006062	OK133	Bates loam, 3 to 5 percent slopes	8	0.000484955
Gulf Coast	OK	Seminole	50.38577227	50.76868645	0.382914	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	30	0.114874252
Gulf Coast	OK	Seminole	50.76868645	50.96624197	0.197556	OK133	Okemah silt loam, 0 to 1 percent slopes	5	0.009877776
Gulf Coast	OK	Seminole	51.31405396	51.61660432	0.30255	OK133	Okemah silt loam, 0 to 1 percent slopes	5	0.015127518
Gulf Coast	OK	Seminole	51.61660432	51.64292393	0.02632	OK133	Okemah silt loam, 1 to 3 percent slopes	5	0.00131598
Gulf Coast	OK	Seminole	51.64292393	52.12619852	0.483275	OK133	Dennis loam, 3 to 5 percent slopes	5	0.02416373
Gulf Coast	OK	Seminole	52.12619852	52.33013829	0.20394	OK133	Okemah silt loam, 1 to 3 percent slopes	5	0.010196988
Gulf Coast	OK	Seminole	52.33013829	52.57346041	0.243322	OK133	Dennis loam, 3 to 5 percent slopes	5	0.012166106
Gulf Coast	OK	Seminole	52.57346041	53.0485596	0.475099	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.261304554
Gulf Coast	OK	Seminole	53.0485596	53.07458213	0.026023	OK133	Grainola and Aydelotte soils, 3 to 8 percent slopes, severely eroded	7	0.001821577
Gulf Coast	OK	Seminole	53.07458213	53.45015285	0.375571	OK133	Okemah silt loam, 1 to 3 percent slopes	5	0.018778536
Gulf Coast	OK	Seminole	53.45015285	53.48944694	0.039294	OK133	Bates loam, 1 to 3 percent slopes	10	0.003929409
Gulf Coast	OK	Seminole	53.48944694	53.52763057	0.038184	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.021000994
Gulf Coast	OK	Seminole	53.52763057	53.52805197	0.000421	OK133	Okemah silt loam, 1 to 3 percent slopes	5	2.10701E-05
Gulf Coast	OK	Seminole	53.52805197	53.62013003	0.092078	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.050642935
Gulf Coast	OK	Seminole	53.62013003	53.65219007	0.03206	OK133	Bates loam, 3 to 5 percent slopes	8	0.002564803
Gulf Coast	OK	Seminole	53.65219007	53.6922913	0.040101	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.022055677
Gulf Coast	OK	Seminole	53.6922913	53.76286095	0.07057	OK133	Bates loam, 3 to 5 percent slopes	8	0.005645572
Gulf Coast	OK	Seminole	53.76286095	53.86399997	0.101139	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.055626464
Gulf Coast	OK	Seminole	53.86399997	54.09728312	0.233283	OK133	Okemah silt loam, 1 to 3 percent slopes	5	0.011664157
Gulf Coast	OK	Seminole	54.09728312	54.19236221	0.095079	OK133	Dennis loam, 3 to 5 percent slopes	5	0.004753954
Gulf Coast	OK	Seminole	54.19236221	54.33147166	0.139109	OK133	Okemah silt loam, 1 to 3 percent slopes	5	0.006955473
Gulf Coast	OK	Seminole	54.33147166	54.53461523	0.203144	OK133	Bates loam, 1 to 3 percent slopes	10	0.020314356
Gulf Coast	OK	Seminole	54.53461523	54.64319795	0.108583	OK133	Dennis loam, 3 to 5 percent slopes	5	0.005429136
Gulf Coast	OK	Seminole	54.64319795	54.82451787	0.18132	OK133	Bates loam, 1 to 3 percent slopes	10	0.018131992
Gulf Coast	OK	Seminole	54.82451787	54.87340508	0.048887	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.026887968
Gulf Coast	OK	Seminole	54.87340508	54.90578023	0.032375	OK133	Bates loam, 3 to 5 percent slopes	8	0.002590011
Gulf Coast	OK	Seminole	54.90578023	54.90657186	0.000792	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.0004354
Gulf Coast	OK	Seminole	54.90657186	54.98498612	0.078414	OK133	Bates loam, 3 to 5 percent slopes	8	0.006273141
Gulf Coast	OK	Seminole	54.98498612	55.17057157	0.185585	OK133	Bates loam, 1 to 3 percent slopes	10	0.018558545
Gulf Coast	OK	Seminole	55.17057157	55.2498867	0.079315	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, severely	40	0.03172605
Gulf Coast	OK	Seminole	55.2498867	55.51816554	0.268279	OK133	Bates loam, 1 to 3 percent slopes	10	0.026827884
Gulf Coast	OK	Seminole	55.80615242	56.05914563	0.252993	OK133	Prue loam, 3 to 5 percent slopes	5	0.01264966
Gulf Coast	OK	Seminole	56.05914563	56.10618632	0.047041	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	30	0.014112206
Gulf Coast	OK	Seminole	56.10618632	56.30210163	0.195915	OK133	Okemah silt loam, 1 to 3 percent slopes	5	0.009795766
Gulf Coast	OK	Seminole	56.30210163	56.37895435	0.076853	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	30	0.023055816
Gulf Coast	OK	Seminole	56.37895435	56.43702327	0.058069	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	55	0.031937903
Gulf Coast	OK	Seminole	56.43702327	56.65753058	0.220507	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	30	0.066152195
Gulf Coast	OK	Seminole	56.85985487	56.90358666	0.043732	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	30	0.013119536
Gulf Coast	OK	Seminole	56.90848589	57.00260884	0.094123	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	30	0.028236884
Gulf Coast	OK	Seminole	59.09121176	59.16809047	0.076879	OK133	Bates loam, 3 to 5 percent slopes	8	0.006150297
Gulf Coast	OK	Hughes	64.21699671	64.26156032	0.044564	OK063	Okemah-Pharoah complex, 1 to 3 percent slopes	20	0.008912721
Gulf Coast	OK	Hughes	64.44020444	64.50754971	0.067345	OK063	Okemah-Pharoah complex, 1 to 3 percent slopes	20	0.013469054

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Gulf Coast	OK	Coal	96.98570518	97.1987838	0.213079	OK029	Pharoah silt loam, 0 to 1 percent slopes	95	0.202424692
Gulf Coast	OK	Coal	99.43580644	99.51396611	0.07816	OK029	Lightning-Healdton complex, 0 to 1 percent slopes, occasionally flooded	25	0.019539918
Gulf Coast	OK	Coal	107.2868386	107.4079043	0.121066	OK029	Pharoah silt loam, 0 to 1 percent slopes	95	0.115012363
Gulf Coast	OK	Coal	107.4862247	107.5421105	0.055886	OK029	Pharoah silt loam, 0 to 1 percent slopes	95	0.053091519
Gulf Coast	OK	Coal	108.5263667	108.888646	0.362279	OK029	Pharoah silt loam, 0 to 1 percent slopes	95	0.344165313
Gulf Coast	OK	Coal	111.0166586	111.1767011	0.160043	OK029	Pharoah silt loam, 0 to 1 percent slopes	95	0.152040384
Gulf Coast	OK	Atoka	132.6340414	132.7087836	0.074742	OK005	Heiden clay, 3 to 5 percent slopes	10	0.007474223
Gulf Coast	OK	Bryan	132.9875369	133.0288667	0.04133	OK013	Heiden stony clay, 3 to 5 percent slopes	5	0.002066489
Gulf Coast	OK	Bryan	133.0497021	133.1163561	0.066654	OK013	Heiden stony clay, 3 to 5 percent slopes	5	0.003332699
Gulf Coast	OK	Bryan	133.1163561	133.4489479	0.332592	OK013	Burleson clay, 3 to 5 percent slopes	85	0.282703052
Gulf Coast	OK	Bryan	133.4489479	134.2339408	0.784993	OK013	Heiden stony clay, 3 to 5 percent slopes	5	0.039249643
Gulf Coast	OK	Bryan	134.4027873	134.6301664	0.227379	OK013	Heiden stony clay, 3 to 5 percent slopes	5	0.011368954
Gulf Coast	OK	Bryan	134.6301664	134.7167316	0.086565	OK013	Burleson clay, 1 to 3 percent slopes	100	0.086565185
Gulf Coast	OK	Bryan	134.7167316	134.9848002	0.268069	OK013	Ferris clay, 1 to 5 percent slopes, eroded	5	0.01340343
Gulf Coast	OK	Bryan	135.1909234	135.28444	0.093517	OK013	Ferris clay, 1 to 5 percent slopes, eroded	5	0.004675831
Gulf Coast	OK	Bryan	135.28444	135.588531	0.304091	OK013	Burleson clay, 1 to 3 percent slopes	100	0.304091
Gulf Coast	OK	Bryan	135.588531	136.2230963	0.634565	OK013	Ferris clay, 1 to 5 percent slopes, eroded	5	0.031728266
Gulf Coast	OK	Bryan	137.0506775	137.1973996	0.146722	OK013	Burleson clay, 1 to 3 percent slopes	100	0.146722137
Gulf Coast	OK	Bryan	137.3282559	137.4510593	0.122803	OK013	Burleson clay, 1 to 3 percent slopes	100	0.12280343
Gulf Coast	OK	Bryan	137.6794202	137.7238281	0.044408	OK013	Heiden clay, 3 to 5 percent slopes	5	0.002220395
Gulf Coast	OK	Bryan	142.7845284	143.025333	0.240805	OK013	Durant loam, 1 to 3 percent slopes	10	0.024080459
Gulf Coast	OK	Bryan	143.025333	143.0409557	0.015623	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	3	0.000468682
Gulf Coast	OK	Bryan	143.8792947	143.9210995	0.041805	OK013	Durant loam, 1 to 3 percent slopes	10	0.004180476
Gulf Coast	OK	Bryan	144.1759961	144.3789853	0.202989	OK013	Heiden clay, 3 to 5 percent slopes	5	0.010149459
Gulf Coast	OK	Bryan	147.2372298	147.276296	0.039066	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	3	0.001171985
Gulf Coast	OK	Bryan	147.276296	147.4128963	0.1366	OK013	Durant loam, 1 to 3 percent slopes	10	0.013660036
Gulf Coast	OK	Bryan	148.0762236	148.1700693	0.093846	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	3	0.002815372
Gulf Coast	OK	Bryan	148.2791541	148.3426603	0.063506	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	3	0.001905187
Gulf Coast	OK	Bryan	148.803501	148.8725821	0.069081	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	3	0.002072433
Gulf Coast	OK	Bryan	148.8725821	148.9693704	0.096788	OK013	Durant loam, 1 to 3 percent slopes	10	0.009678829
Gulf Coast	OK	Bryan	149.3529853	149.3726121	0.019627	OK013	Crockett loam, 1 to 5 percent slopes, severely eroded	90	0.017664169
Gulf Coast	OK	Bryan	149.3726121	149.4287629	0.056151	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	3	0.001684524
Gulf Coast	OK	Bryan	150.6294712	150.7947292	0.165258	OK013	Durant loam, 1 to 3 percent slopes	10	0.016525804
Gulf Coast	OK	Bryan	150.7947292	150.9274783	0.132749	OK013	Crockett-Durant complex, 1 to 5 percent slopes, eroded	65	0.086286884
Gulf Coast	OK	Bryan	150.9274783	150.9501973	0.022719	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	3	0.000681572
Gulf Coast	OK	Bryan	150.9501973	151.097266	0.147069	OK013	Durant loam, 1 to 3 percent slopes	10	0.014706867
Gulf Coast	OK	Bryan	151.097266	151.132049	0.034783	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	3	0.00104349
Gulf Coast	OK	Bryan	151.132049	151.1617896	0.029741	OK013	Durant loam, 1 to 3 percent slopes	10	0.002974058
Gulf Coast	OK	Bryan	151.8832944	151.9922269	0.108933	OK013	Crockett-Durant complex, 1 to 5 percent slopes, eroded	65	0.070806153
Gulf Coast	OK	Bryan	151.9922269	152.0182699	0.026043	OK013	Crockett loam, 1 to 5 percent slopes, severely eroded	90	0.023438662
Gulf Coast	OK	Bryan	152.0182699	152.1002299	0.08196	OK013	Crockett-Durant complex, 1 to 5 percent slopes, eroded	65	0.05327404
Gulf Coast	OK	Bryan	152.1002299	152.2187299	0.1185	OK013	Durant loam, 1 to 3 percent slopes	10	0.011849993
Gulf Coast	TX	Delta/Lamar	162.3403293	162.4535852	0.113256	TX614	Derly-Raino complex, 0 to 1 percent slopes	65	0.073616334
Gulf Coast	TX	Delta/Lamar	162.9181351	162.9607768	0.042642	TX614	Derly-Raino complex, 0 to 1 percent slopes	65	0.02771706
Gulf Coast	TX	Delta/Lamar	166.0170262	166.3180503	0.301024	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	10	0.030102417
Gulf Coast	TX	Delta/Lamar	166.5579874	166.8020709	0.244083	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	10	0.024408341
Gulf Coast	TX	Delta/Lamar	166.8020709	166.917139	0.115068	TX614	Annona loam, 1 to 4 percent slopes	10	0.011506817
Gulf Coast	TX	Delta/Lamar	166.917139	167.248917	0.331778	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	10	0.033177795
Gulf Coast	TX	Delta/Lamar	167.248917	167.306327	0.05741	TX614	Annona loam, 1 to 4 percent slopes	10	0.005741
Gulf Coast	TX	Delta/Lamar	167.306327	167.7127948	0.406468	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	10	0.040646787
Gulf Coast	TX	Delta/Lamar	167.7127948	167.7239067	0.011112	TX614	Derly-Raino complex, 0 to 1 percent slopes	65	0.007222729
Gulf Coast	TX	Delta/Lamar	167.7239067	168.3173551	0.593448	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	10	0.059344832
Gulf Coast	TX	Delta/Lamar	168.3173551	168.3756469	0.058292	TX614	Annona loam, 1 to 4 percent slopes	10	0.005829184
Gulf Coast	TX	Delta/Lamar	168.585061	168.6812601	0.096199	TX614	Derly-Raino complex, 0 to 1 percent slopes	65	0.062529379
Gulf Coast	TX	Delta/Lamar	169.3033131	169.4273825	0.124069	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	10	0.012406936
Gulf Coast	TX	Delta/Lamar	169.4273825	169.7689249	0.341542	TX614	Crockett loam, 1 to 3 percent slopes	95	0.324465281
Gulf Coast	TX	Delta/Lamar	169.7689249	170.0540731	0.285148	TX614	Annona loam, 1 to 4 percent slopes	10	0.028514825
Gulf Coast	TX	Delta/Lamar	170.0540731	170.1240753	0.070002	TX614	Derly silt loam, 0 to 1 percent slopes	90	0.0630019
Gulf Coast	TX	Delta/Lamar	170.1240753	170.2872205	0.163145	TX614	Annona loam, 1 to 4 percent slopes	10	0.016314528
Gulf Coast	TX	Delta/Lamar	170.6327601	170.9567945	0.324034	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	100	0.324034473
Gulf Coast	TX	Delta/Lamar	170.9567945	171.2002957	0.243501	TX614	Crockett loam, 1 to 3 percent slopes	95	0.231326102
Gulf Coast	TX	Delta/Lamar	171.2002957	171.7016936	0.501398	TX614	Mabank-Crockett complex, 0 to 1 percent slopes	36	0.18050326
Gulf Coast	TX	Delta/Lamar	171.7016936	171.9825715	0.280878	TX614	Crockett loam, 1 to 3 percent slopes	95	0.266833971
Gulf Coast	TX	Delta/Lamar	171.9825715	172.2194383	0.236867	TX614	Mabank-Crockett complex, 0 to 1 percent slopes	36	0.085272037
Gulf Coast	TX	Delta/Lamar	172.3556745	172.488449	0.132775	TX614	Crockett loam, 1 to 3 percent slopes	95	0.126135795
Gulf Coast	TX	Delta/Lamar	172.5415781	172.6330753	0.091497	TX614	Normangee clay loam, 1 to 3 percent slopes	90	0.082347461
Gulf Coast	TX	Delta/Lamar	172.6330753	172.8568273	0.223752	TX614	Crockett loam, 1 to 3 percent slopes	95	0.212564397
Gulf Coast	TX	Delta/Lamar	173.0512112	173.1195768	0.068366	TX614	Crockett loam, 1 to 3 percent slopes	95	0.064947348
Gulf Coast	TX	Delta/Lamar	173.1195768	173.2736753	0.154098	TX614	Mabank-Crockett complex, 0 to 1 percent slopes	36	0.055475427
Gulf Coast	TX	Delta/Lamar	173.2736753	173.6691694	0.395494	TX614	Crockett loam, 1 to 3 percent slopes	95	0.375719414
Gulf Coast	TX	Delta/Lamar	173.6691694	173.7177737	0.048604	TX614	Wilson silty loam, 0 to 2 percent slopes	95	0.046174088
Gulf Coast	TX	Delta/Lamar	173.8624628	174.4927278	0.630265	TX614	Crockett loam, 1 to 3 percent slopes	95	0.598751733
Gulf Coast	TX	Delta/Lamar	174.4927278	174.5200218	0.027294	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	100	0.027294059
Gulf Coast	TX	Delta/Lamar	174.5200218	174.5203431	0.000321	TX614	Crockett loam, 1 to 3 percent slopes	95	0.000305172
Gulf Coast	TX	Delta/Lamar	174.5203431	174.7171865	0.196843	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	100	0.196843423
Gulf Coast	TX	Delta/Lamar	174.7171865	174.9378345	0.220648	TX614	Crockett loam, 1 to 3 percent slopes	95	0.209615651
Gulf Coast	TX	Delta/Lamar	174.9378345	174.9885913	0.050757	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	100	0.050756776
Gulf Coast	TX	Delta/Lamar	174.9885913	175.0694995	0.080908	TX614	Crockett loam, 1 to 3 percent slopes	95	0.076862808
Gulf Coast	TX	Delta/Lamar	175.0694995	175.7598684	0.690369	TX614	Wilson silty loam, 0 to 2 percent slopes	95	0.655850446
Gulf Coast	TX	Delta/Lamar	175.7598684	175.8610062	0.101138	TX614	Crockett loam, 1 to 3 percent slopes	95	0.096080916
Gulf Coast	TX	Delta/Lamar	176.0466355	176.0728019	0.026166	TX614	Wilson silty loam, 0 to 2 percent slopes	95	0.024858092
Gulf Coast	TX	Delta/Lamar	176.0728019	176.7705835	0.697782	TX614	Normangee clay loam, 1 to 3 percent slopes	90	0.628003473
Gulf Coast	TX	Delta/Lamar	176.7705835	176.8375813	0.066998	TX614	Wilson silty loam, 0 to 2 percent slopes	95	0.063647907
Gulf Coast	TX	Delta/Lamar	176.8375813	177.6925896	0.855008	TX614	Normangee clay loam, 1 to 3 percent slopes	90	0.769507476
Gulf Coast	TX	Delta/Lamar	177.6925896	177.7486936	0.056104	TX614	Houston Black clay, 1 to 3 percent slopes	95	0.053298793
Gulf Coast	TX	Delta/Lamar	178.0786514	179.8950962	1.816445	TX614	Houston Black clay, 1 to 3 percent slopes	95	1.725622566
Gulf Coast	TX	Delta/Lamar	179.8950962	180.4977417	0.602645	TX614	Houston Black clay, 0 to 1 percent slopes	95	0.572513192
Gulf Coast	TX	Delta/Lamar	180.4977417	180.9007933	0.403052	TX614	Houston Black clay, 1 to 3 percent slopes	95	0.382899106
Gulf Coast	TX	Delta/Lamar	180.9007933	181.0207419	0.119949	TX614	Houston Black clay, 0 to 1 percent slopes	95	0.113951153
Gulf Coast	TX	Delta/Lamar	181.0207419	181.3126659	0.291924	TX614	Houston Black clay, 1 to 3 percent slopes	95	0.277327753
Gulf Coast	TX	Delta/Lamar	181.654757	181.7157084	0.060951	TX614	Houston Black clay, 1 to 3 percent slopes	95	0.057903872
Gulf Coast	TX	Delta/Lamar	181.7157084	181.8218891	0.106181	TX614	Leson clay, 1 to 3 percent slopes	95	0.100871612
Gulf Coast	TX	Delta/Lamar	182.6202497	182.9389382	0.318689	TX614	Houston Black clay, 1 to 3 percent slopes	95	0.302754138
Gulf Coast	TX	Delta/Lamar	183.0165296	183.0208874	0.004358	TX614	Houston Black clay, 1 to 3 percent slopes	95	0.004139993
Gulf Coast	TX	Delta/Lamar	183.0302082	183.195854	0.165646	TX614	Houston Black clay, 1 to 3 percent slopes	95	0.157363466

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Gulf Coast	TX	Delta/Lamar	183.3108568	183.4856135	0.174757	TX614	Houston Black clay, 1 to 3 percent slopes	95	0.166018893
Gulf Coast	TX	Delta/Lamar	184.4311452	184.589846	0.158701	TX614	Houston Black clay, 1 to 3 percent slopes	95	0.150765721
Gulf Coast	TX	Delta/Lamar	185.4169835	185.670978	0.253994	TX614	Houston Black clay, 1 to 3 percent slopes	95	0.24129477
Gulf Coast	TX	Delta/Lamar	185.6930226	185.9699262	0.276904	TX614	Houston Black clay, 1 to 3 percent slopes	95	0.263058342
Gulf Coast	TX	Delta/Lamar	186.2424065	186.3976227	0.155216	TX614	Houston Black clay, 1 to 3 percent slopes	95	0.147455362
Gulf Coast	TX	Delta/Lamar	186.4516602	186.541631	0.089971	TX614	Leson clay, 1 to 3 percent slopes	95	0.085472259
Gulf Coast	TX	Delta/Lamar	187.424341	187.6234605	0.19912	TX614	Houston Black clay, 1 to 3 percent slopes	95	0.189163532
Gulf Coast	TX	Delta/Lamar	188.3214644	188.524024	0.20256	TX614	Houston Black clay, 1 to 3 percent slopes	95	0.192431681
Gulf Coast	TX	Delta/Lamar	188.578294	188.6255468	0.047253	TX614	Houston Black clay, 1 to 3 percent slopes	95	0.044890125
Gulf Coast	TX	Delta/Lamar	191.4397935	191.5248599	0.085066	TX614	Houston Black clay, 1 to 3 percent slopes	95	0.080813098
Gulf Coast	TX	Delta/Lamar	191.7337674	191.8311943	0.097427	TX614	Houston Black clay, 1 to 3 percent slopes	95	0.092555525
Gulf Coast	TX	Delta/Lamar	191.9038862	192.2569401	0.353054	TX614	Houston Black clay, 1 to 3 percent slopes	95	0.335401282
Gulf Coast	TX	Delta/Lamar	192.2569401	192.7284451	0.471505	TX614	Leson clay, 1 to 3 percent slopes	95	0.447929687
Gulf Coast	TX	Delta/Lamar	192.7284451	192.9511694	0.222724	TX614	Wilson silty loam, 0 to 2 percent slopes	95	0.211588054
Gulf Coast	TX	Delta/Lamar	192.9511694	193.0524456	0.101276	TX614	Leson clay, 1 to 3 percent slopes	95	0.096212417
Gulf Coast	TX	Delta/Lamar	193.0524456	193.2254034	0.172958	TX614	Deport clay, 1 to 3 percent slopes	10	0.017295784
Gulf Coast	TX	Delta/Lamar	193.2254034	193.4831749	0.257772	TX614	Burleson clay, 0 to 1 percent slopes	95	0.244882946
Gulf Coast	TX	Delta/Lamar	193.4831749	193.6032825	0.120108	TX614	Deport clay, 1 to 3 percent slopes	10	0.012010759
Gulf Coast	TX	Delta/Lamar	193.8316879	194.0621159	0.230428	TX614	Deport clay, 1 to 3 percent slopes	10	0.023042804
Gulf Coast	TX	Delta/Lamar	194.0621159	194.1339342	0.071818	TX614	Leson clay, 1 to 3 percent slopes	95	0.068227416
Gulf Coast	TX	Delta/Lamar	194.1339342	194.3913636	0.257429	TX614	Deport clay, 1 to 3 percent slopes	10	0.025742937
Gulf Coast	TX	Delta/Lamar	194.478005	195.2997177	0.821713	TX614	Leson clay, 1 to 3 percent slopes	95	0.780627101
Gulf Coast	TX	Delta/Lamar	195.3436775	195.4971204	0.153443	TX614	Leson clay, 1 to 3 percent slopes	95	0.145770668
Gulf Coast	TX	Delta/Lamar	195.4971204	195.5999324	0.102812	TX614	Houston Black clay, 1 to 3 percent slopes	95	0.097671427
Gulf Coast	TX	Delta/Lamar	195.5999324	195.8876262	0.287694	TX614	Leson clay, 1 to 3 percent slopes	95	0.273309117
Gulf Coast	TX	Delta/Lamar	196.0167269	196.128895	0.112168	TX614	Leson clay, 1 to 3 percent slopes	95	0.106559701
Gulf Coast	TX	Delta/Lamar	196.2060643	196.8633738	0.657309	TX614	Leson clay, 1 to 3 percent slopes	95	0.624443978
Gulf Coast	TX	Delta/Lamar	197.1726436	197.1905427	0.017899	TX614	Leson clay, 1 to 3 percent slopes	95	0.017004126
Gulf Coast	TX	Delta/Lamar	197.1905427	197.2566067	0.066064	TX614	Houston Black clay, 1 to 3 percent slopes	95	0.062760764
Gulf Coast	TX	Delta/Lamar	197.3377801	197.5338412	0.196061	TX614	Deport clay, 1 to 3 percent slopes	10	0.019606105
Gulf Coast	TX	Delta/Lamar	197.5338412	197.7943078	0.260467	TX614	Wilson silty loam, 0 to 2 percent slopes	95	0.247443307
Gulf Coast	TX	Delta/Lamar	198.015234	198.0617081	0.046474	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	100	0.046474082
Gulf Coast	TX	Delta/Lamar	198.0617081	198.1411902	0.079482	TX614	Wilson silty loam, 0 to 2 percent slopes	95	0.075507998
Gulf Coast	TX	Delta/Lamar	198.1411902	198.3446083	0.203418	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	100	0.203418085
Gulf Coast	TX	Delta/Lamar	198.3446083	198.4491119	0.104504	TX614	Annona loam, 1 to 4 percent slopes	10	0.01045036
Gulf Coast	TX	Delta/Lamar	198.4491119	198.5807229	0.131611	TX614	Crockett loam, 1 to 3 percent slopes	95	0.125030446
Gulf Coast	TX	Delta/Lamar	198.5807229	198.6026471	0.021924	TX614	Annona loam, 1 to 4 percent slopes	10	0.00219243
Gulf Coast	TX	Delta/Lamar	198.6026471	198.6094607	0.006814	TX614	Crockett loam, 1 to 3 percent slopes	95	0.00647289
Gulf Coast	TX	Delta/Lamar	198.6094607	198.7651851	0.155724	TX614	Annona loam, 1 to 4 percent slopes	10	0.015572438
Gulf Coast	TX	Delta/Lamar	198.7651851	199.2744558	0.509271	TX614	Wilson silty loam, 0 to 2 percent slopes	95	0.483807163
Gulf Coast	TX	Delta/Lamar	199.2954525	200.2921843	0.996732	TX614	Wilson silty loam, 0 to 2 percent slopes	95	0.946895227
Gulf Coast	TX	Delta/Lamar	200.2921843	200.6465706	0.354386	TX614	Annona loam, 1 to 4 percent slopes	10	0.035438629
Gulf Coast	TX	Delta/Lamar	200.7036298	200.8383772	0.134747	TX614	Annona loam, 1 to 4 percent slopes	10	0.013474743
Gulf Coast	TX	Hopkins	201.8554809	201.9468678	0.091387	TX610	Crockett loam, 2 to 5 percent slops, eroded	100	0.091386904
Gulf Coast	TX	Hopkins	202.8733346	202.88529	0.011955	TX610	Wilson clay loam, 0 to 2 percent slopes	100	0.011955452
Gulf Coast	TX	Hopkins	203.6510911	203.7577561	0.106665	TX610	Crockett loam, 1 to 3 percent slopes	100	0.106665084
Gulf Coast	TX	Hopkins	203.9620224	206.0789547	2.116932	TX610	Crockett loam, 1 to 3 percent slopes	100	2.116932295
Gulf Coast	TX	Hopkins	206.5535371	206.6591634	0.105626	TX610	Crockett loam, 2 to 5 percent slops, eroded	100	0.105626271
Gulf Coast	TX	Hopkins	206.6591634	206.6977971	0.038634	TX610	Crockett loam, 1 to 3 percent slopes	100	0.038633693
Gulf Coast	TX	Hopkins	206.6977971	206.7260722	0.028275	TX610	Crockett loam, 2 to 5 percent slops, eroded	100	0.028275131
Gulf Coast	TX	Hopkins	206.7260722	207.0562294	0.330157	TX610	Crockett loam, 3 to 5 percent slopes	100	0.330157176
Gulf Coast	TX	Hopkins	207.0562294	207.5849123	0.528683	TX610	Crockett loam, 1 to 3 percent slopes	100	0.528682937
Gulf Coast	TX	Hopkins	207.5849123	207.610128	0.025216	TX610	Crockett loam, 3 to 5 percent slopes	100	0.025215695
Gulf Coast	TX	Hopkins	207.610128	207.8235258	0.213398	TX610	Crockett loam, 1 to 3 percent slopes	100	0.213397801
Gulf Coast	TX	Hopkins	207.8235258	207.9650338	0.141508	TX610	Crockett loam, 2 to 5 percent slops, eroded	100	0.141507989
Gulf Coast	TX	Hopkins	207.9650338	208.0954519	0.130418	TX610	Crockett loam, 1 to 3 percent slopes	100	0.130418055
Gulf Coast	TX	Hopkins	208.0954519	208.2046973	0.109245	TX610	Crockett loam, 2 to 5 percent slops, eroded	100	0.109245454
Gulf Coast	TX	Hopkins	208.2046973	208.5475309	0.342834	TX610	Crockett loam, 1 to 3 percent slopes	100	0.342833604
Gulf Coast	TX	Hopkins	208.5475309	208.6110346	0.063504	TX610	Crockett loam, 2 to 5 percent slops, eroded	100	0.063503626
Gulf Coast	TX	Hopkins	208.6110346	208.9829969	0.371962	TX610	Crockett loam, 1 to 3 percent slopes	100	0.37196236
Gulf Coast	TX	Hopkins	208.9829969	209.08454	0.101543	TX610	Crockett loam, 3 to 5 percent slopes	100	0.10154304
Gulf Coast	TX	Hopkins	209.08454	209.396514	0.311974	TX610	Crockett loam, 1 to 3 percent slopes	100	0.311974016
Gulf Coast	TX	Hopkins	209.396514	209.4320177	0.035504	TX610	Crockett loam, 3 to 5 percent slopes	100	0.035503735
Gulf Coast	TX	Hopkins	209.4320177	209.7650518	0.333034	TX610	Crockett loam, 1 to 3 percent slopes	100	0.333034085
Gulf Coast	TX	Hopkins	209.7650518	209.7970849	0.032033	TX610	Crockett loam, 2 to 5 percent slops, eroded	100	0.03203306
Gulf Coast	TX	Hopkins	210.0584493	210.489053	0.430604	TX610	Wilson clay loam, 0 to 2 percent slopes	100	0.43060375
Gulf Coast	TX	Hopkins	210.489053	210.6465994	0.157546	TX610	Lufkin-Raino complex	60	0.094527821
Gulf Coast	TX	Hopkins	213.6283492	213.7950703	0.166721	TX610	Crockett loam, 2 to 5 percent slops, eroded	100	0.166721075
Gulf Coast	TX	Hopkins	213.8524832	213.9354553	0.082972	TX610	Crockett loam, 3 to 5 percent slopes	100	0.082972109
Gulf Coast	TX	Hopkins	213.9354553	214.9605531	1.025098	TX610	Crockett loam, 1 to 3 percent slopes	100	1.025097784
Gulf Coast	TX	Hopkins	214.9605531	215.0220847	0.061532	TX610	Crockett loam, 2 to 5 percent slops, eroded	100	0.061531553
Gulf Coast	TX	Hopkins	215.0220847	215.5324629	0.510378	TX610	Crockett loam, 1 to 3 percent slopes	100	0.510378265
Gulf Coast	TX	Hopkins	216.2597592	216.3707422	0.110983	TX610	Crockett loam, 2 to 5 percent slops, eroded	100	0.110982932
Gulf Coast	TX	Hopkins	219.1590531	219.3331621	0.174109	TX610	Lufkin-Raino complex	60	0.104465397
Gulf Coast	TX	Hopkins	219.7820559	219.9056623	0.123606	TX610	Lufkin-Raino complex	60	0.074163823
Gulf Coast	TX	Upshur	260.1061973	260.2068695	0.100672	TX608	Iuka fine sandy loam, frequently flooded	10	0.010067218
Gulf Coast	TX	Upshur	260.4036395	260.4607133	0.057074	TX608	Estes clay, frequently flooded	85	0.048512721
Gulf Coast	TX	Upshur	261.5522598	261.6181921	0.065932	TX608	Latch-Mollville complex, 0 to 1 percent slopes	35	0.023076315
Gulf Coast	TX	Upshur	261.6551357	261.7382027	0.083067	TX608	Latch-Mollville complex, 0 to 1 percent slopes	35	0.02907342
Gulf Coast	TX	Smith	272.8288844	272.9648434	0.135959	TX423	Derly-Besner complex, 0 to 1 percent slopes	50	0.067979465
Gulf Coast	TX	Smith	273.0320851	273.2505099	0.218425	TX423	Derly-Besner complex, 0 to 1 percent slopes	50	0.1092124
Gulf Coast	TX	Rusk	300.7897217	301.1726588	0.382937	TX401	Laneville loam, frequently flooded	82	0.314008396
Gulf Coast	TX	Rusk	301.686665	301.9626054	0.27594	TX401	Sawlit-Sawtown complex, 0 to 2 percent slopes	40	0.110376179
Gulf Coast	TX	Rusk	302.036912	302.2233443	0.186432	TX401	Laneville loam, frequently flooded	82	0.152874488
Gulf Coast	TX	Rusk	302.3430691	302.369293	0.026224	TX401	Sawlit-Sawtown complex, 0 to 2 percent slopes	40	0.010489561
Gulf Coast	TX	Rusk	302.4738878	302.5533051	0.079417	TX401	Sawlit-Sawtown complex, 0 to 2 percent slopes	40	0.03176692
Gulf Coast	TX	Rusk	302.5918717	302.7748788	0.183007	TX401	Sawlit-Sawtown complex, 0 to 2 percent slopes	40	0.073202848
Gulf Coast	TX	Rusk	302.8607231	302.9666446	0.105921	TX401	Laneville loam, frequently flooded	82	0.0868556
Gulf Coast	TX	Rusk	303.0730686	303.1663566	0.093288	TX401	Sawlit-Sawtown complex, 0 to 2 percent slopes	40	0.037315199
Gulf Coast	TX	Rusk	307.1704718	307.318712	0.14824	TX401	Laneville loam, frequently flooded	82	0.121557007
Gulf Coast	TX	Rusk	307.4144347	307.6262529	0.211818	TX401	Laneville loam, frequently flooded	82	0.173690929
Gulf Coast	TX	Rusk	308.2474607	308.3825761	0.135115	TX401	Laneville loam, frequently flooded	82	0.11079463
Gulf Coast	TX	Rusk	312.7327073	312.7883405	0.055633	TX401	Laneville loam, occasionally flooded	82	0.045619196
Gulf Coast	TX	Rusk	312.7998158	312.8359986	0.036183	TX401	Laneville loam, occasionally flooded	82	0.029669939
Gulf Coast	TX	Rusk	312.8783303	313.1163206	0.23799	TX401	Laneville loam, occasionally flooded	82	0.195152104

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Gulf Coast	TX	Rusk	313.4928721	313.5520083	0.059136	TX401	Laneville loam, occasionally flooded	82	0.048491693
Gulf Coast	TX	Nacogdoches	326.2928799	326.4260304	0.133151	TX347	Mollville loam	95	0.126492999
Gulf Coast	TX	Nacogdoches	326.6503867	326.937153	0.286766	TX347	Mollville loam	95	0.272427937
Gulf Coast	TX	Angelina	346.839827	347.3277502	0.487923	TX005	Ozias silty clay, frequently flooded	80	0.390338571
Gulf Coast	TX	Angelina	347.3277502	348.0427317	0.714982	TX005	Mollville-Besner complex, gently undulating	45	0.321741677
Gulf Coast	TX	Angelina	348.0427317	348.4033189	0.360587	TX005	Ozias silty clay, frequently flooded	80	0.288469762
Gulf Coast	TX	Angelina	350.0207261	350.1863434	0.165617	TX005	Koury loam, frequently flooded	90	0.149055592
Gulf Coast	TX	Angelina	351.0784451	351.1896287	0.111184	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	75	0.083387707
Gulf Coast	TX	Angelina	351.1896287	351.6248313	0.435203	TX005	Ozias silty clay, frequently flooded	80	0.348162093
Gulf Coast	TX	Angelina	351.6248313	351.6699379	0.045107	TX005	Koury loam, frequently flooded	90	0.040595958
Gulf Coast	TX	Angelina	351.6699379	351.6855145	0.015577	TX005	Ozias silty clay, frequently flooded	80	0.012461228
Gulf Coast	TX	Angelina	351.6855145	351.7177596	0.032245	TX005	Koury loam, frequently flooded	90	0.029020647
Gulf Coast	TX	Angelina	351.7177596	351.759831	0.042071	TX005	Ozias silty clay, frequently flooded	80	0.03365711
Gulf Coast	TX	Angelina	351.759831	352.0529043	0.293073	TX005	Koury loam, frequently flooded	90	0.263765951
Gulf Coast	TX	Angelina	352.1462519	352.3561327	0.209881	TX005	Koury loam, frequently flooded	90	0.188892689
Gulf Coast	TX	Angelina	352.3561327	352.4827624	0.12663	TX005	Ozias silty clay, frequently flooded	80	0.101303789
Gulf Coast	TX	Angelina	352.4827624	352.533714	0.050952	TX005	Koury loam, occasionally flooded	85	0.043308869
Gulf Coast	TX	Angelina	353.2757388	353.4558526	0.180114	TX005	Herty very fine sandy loam, 1 to 5 percent slopes	85	0.153096747
Gulf Coast	TX	Angelina	353.4558526	353.9490494	0.493197	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.41921729
Gulf Coast	TX	Angelina	354.4002741	354.5269447	0.126671	TX005	Koury loam, occasionally flooded	85	0.107670063
Gulf Coast	TX	Angelina	354.5269447	354.5503985	0.023454	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.019935694
Gulf Coast	TX	Angelina	354.8562481	354.9916719	0.135424	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.115110248
Gulf Coast	TX	Angelina	355.1820395	355.3646079	0.182568	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.155183097
Gulf Coast	TX	Angelina	355.3646079	355.4402145	0.075607	TX005	Keltys fine sandy loam, 5 to 15 percent slopes	80	0.060485306
Gulf Coast	TX	Angelina	355.4402145	355.4977467	0.057532	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.048902386
Gulf Coast	TX	Angelina	355.4977467	355.5290624	0.031316	TX005	Keltys fine sandy loam, 5 to 15 percent slopes	80	0.025052516
Gulf Coast	TX	Angelina	355.5290624	355.6556621	0.1266	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.107609766
Gulf Coast	TX	Angelina	355.6556621	355.7784879	0.122826	TX005	Keltys fine sandy loam, 5 to 15 percent slopes	80	0.098260641
Gulf Coast	TX	Angelina	356.4616316	356.4986757	0.037044	TX005	Rosenwall fine sandy loam, 1 to 5 percent slopes	10	0.003704411
Gulf Coast	TX	Angelina	356.4986757	356.6769033	0.178228	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.151493406
Gulf Coast	TX	Angelina	356.6769033	356.7109535	0.03405	TX005	Keltys fine sandy loam, 5 to 15 percent slopes	80	0.027240226
Gulf Coast	TX	Angelina	356.9236492	357.0534202	0.129771	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	75	0.097328249
Gulf Coast	TX	Angelina	357.1121242	357.1811514	0.069027	TX005	Rosenwall fine sandy loam, 1 to 5 percent slopes	10	0.00690272
Gulf Coast	TX	Angelina	357.2829478	357.4184748	0.135527	TX005	Rosenwall fine sandy loam, 1 to 5 percent slopes	10	0.013552698
Gulf Coast	TX	Angelina	357.6175236	357.6844213	0.066898	TX005	Keltys fine sandy loam, 5 to 15 percent slopes	80	0.053518115
Gulf Coast	TX	Angelina	358.0096584	358.059564	0.049906	TX005	Koury loam, frequently flooded	90	0.044915048
Gulf Coast	TX	Angelina	358.0886461	358.7174583	0.628812	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.534490398
Gulf Coast	TX	Angelina	358.7174583	358.7603116	0.042853	TX005	Moswell loam, 5 to 15 percent slopes	90	0.038567955
Gulf Coast	TX	Angelina	358.9595104	359.0684367	0.108926	TX005	Moswell loam, 5 to 15 percent slopes	90	0.098033695
Gulf Coast	TX	Angelina	359.0684367	359.2821749	0.213738	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.181677479
Gulf Coast	TX	Angelina	359.2821749	359.361878	0.079703	TX005	Moten-Mutley complex, gently undulating	90	0.071732705
Gulf Coast	TX	Angelina	359.361878	360.3184172	0.956539	TX005	Ozias silty clay, frequently flooded	80	0.765231385
Gulf Coast	TX	Angelina	360.3911119	361.2188521	0.82774	TX005	Moten-Mutley complex, gently undulating	90	0.744966246
Gulf Coast	TX	Angelina	361.2188521	361.3778891	0.159037	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	75	0.119277746
Gulf Coast	TX	Angelina	361.3778891	361.738197	0.360308	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.306261735
Gulf Coast	TX	Angelina	361.738197	361.8728911	0.134694	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	75	0.101020564
Gulf Coast	TX	Angelina	361.8728911	362.5652182	0.692327	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	85	0.58847797
Gulf Coast	TX	Angelina	362.5652182	363.1303051	0.565087	TX005	Moten-Mutley complex, gently undulating	90	0.508578216
Gulf Coast	TX	Angelina	363.1303051	363.3951759	0.264871	TX005	Koury loam, frequently flooded	90	0.238383788
Gulf Coast	TX	Angelina	363.5340861	363.8297727	0.295687	TX005	Moten-Mutley complex, gently undulating	90	0.266117959
Gulf Coast	TX	Angelina	363.8297727	363.8603997	0.030627	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	75	0.022970242
Gulf Coast	TX	Angelina	363.8603997	364.3720644	0.511665	TX005	Moten-Mutley complex, gently undulating	90	0.460498294
Gulf Coast	TX	Angelina	364.3720644	364.5472427	0.175178	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	75	0.131383679
Gulf Coast	TX	Angelina	364.9612597	365.3938128	0.432553	TX005	Ozias silty clay, frequently flooded	80	0.346042487
Gulf Coast	TX	Angelina	365.3938128	365.4854609	0.091648	TX005	Koury loam, frequently flooded	90	0.082483292
Gulf Coast	TX	Angelina	365.4854609	365.6478681	0.162407	TX005	Moten-Mutley complex, gently undulating	90	0.146166483
Gulf Coast	TX	Angelina	365.6478681	365.7244992	0.076631	TX005	Ozias silty clay, frequently flooded	80	0.061304852
Gulf Coast	TX	Angelina	365.7244992	366.4243932	0.699894	TX005	Moten-Mutley complex, gently undulating	90	0.629904575
Gulf Coast	TX	Angelina	366.4243932	366.5001885	0.075795	TX005	Mollville-Besner complex, gently undulating	45	0.034107907
Gulf Coast	TX	Angelina	366.5001885	366.683839	0.18365	TX005	Koury loam, frequently flooded	90	0.165285416
Gulf Coast	TX	Angelina	366.683839	367.3138576	0.630019	TX005	Ozias silty clay, frequently flooded	80	0.50401492
Gulf Coast	TX	Polk	367.3138576	368.5401082	1.226251	TX617	Ozias-Pophers complex, frequently flooded	85	1.042313019
Gulf Coast	TX	Polk	368.5401082	368.9286135	0.388505	TX617	Pophers silty clay loam, frequently flooded	85	0.330229505
Gulf Coast	TX	Polk	368.9286135	369.1988691	0.270256	TX617	Ozias-Pophers complex, frequently flooded	85	0.229717247
Gulf Coast	TX	Polk	369.1988691	369.4684273	0.269558	TX617	Pophers silty clay loam, frequently flooded	85	0.229124437
Gulf Coast	TX	Polk	369.4684273	369.9209189	0.452492	TX617	Moswell fine sandy loam, 5 to 12 percent slopes	80	0.361993306
Gulf Coast	TX	Polk	369.9209189	370.1203275	0.199409	TX617	Moswell fine sandy loam, 1 to 5 percent slopes	80	0.159526904
Gulf Coast	TX	Polk	370.1203275	370.7489611	0.628634	TX617	Moswell fine sandy loam, 5 to 12 percent slopes	80	0.502906881
Gulf Coast	TX	Polk	370.7489611	371.4344367	0.685476	TX617	Kellison silt loam, 3 to 5 percent slopes	70	0.479832875
Gulf Coast	TX	Polk	371.4344367	371.722283	0.287846	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	75	0.215884757
Gulf Coast	TX	Polk	371.926284	372.0889903	0.162706	TX617	Moswell fine sandy loam, 5 to 12 percent slopes	80	0.130165042
Gulf Coast	TX	Polk	372.0889903	372.5167063	0.427716	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	75	0.320787002
Gulf Coast	TX	Polk	372.6338986	373.0056347	0.371736	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	75	0.278802091
Gulf Coast	TX	Polk	373.0984401	373.2762094	0.177769	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	75	0.133327004
Gulf Coast	TX	Polk	373.5215987	373.896456	0.374857	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	75	0.281142984
Gulf Coast	TX	Polk	374.3114136	374.3532208	0.041807	TX617	Moswell fine sandy loam, 5 to 12 percent slopes	80	0.033445762
Gulf Coast	TX	Polk	375.5478415	376.7335406	1.185699	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	75	0.889274347
Gulf Coast	TX	Liberty	413.9220285	413.9853995	0.063371	TX291	Dylan clay, 3 to 6 percent slopes	90	0.057033947
Gulf Coast	TX	Liberty	430.2730337	430.8159689	0.542935	TX291	Estes clay, frequently flooded	80	0.434348119
Gulf Coast	TX	Hardin	437.3165535	437.9038778	0.587324	TX199	Beaumont clay, 0 to 1 percent slopes	10	0.058732436
Gulf Coast	TX	Hardin	438.2340922	438.2991994	0.065107	TX199	Evadale-Texla complex, 0 to 1 percent slopes	95	0.061851909
Gulf Coast	TX	Hardin	438.2991994	438.3421479	0.042948	TX199	Bevil clay, 0 to 1 percent slopes	3	0.001288455
Gulf Coast	TX	Hardin	438.3421479	438.8380357	0.495888	TX199	Vamont clay, 0 to 1 percent slopes	5	0.024794389
Gulf Coast	TX	Hardin	438.8380357	438.9197126	0.081677	TX199	Bevil clay, 0 to 1 percent slopes	3	0.002450307
Gulf Coast	TX	Hardin	438.9197126	439.3331593	0.413447	TX199	Evadale-Texla complex, 0 to 1 percent slopes	95	0.392774336
Gulf Coast	TX	Hardin	439.3331593	439.8898403	0.556681	TX199	Evadale-Gist complex, 0 to 1 percent slopes	98	0.545547368
Gulf Coast	TX	Hardin	439.8898403	439.9615041	0.071664	TX199	Camptown silt loam, 0 to 1 percent slopes	93	0.066647388
Gulf Coast	TX	Hardin	439.9615041	440.1456371	0.184133	TX199	Batson very fine sandy loam, 0 to 1 percent slopes	10	0.018413299
Gulf Coast	TX	Hardin	440.1456371	440.8495469	0.70391	TX199	Camptown-Batson complex, 0 to 1 percent slopes	55	0.38715038
Gulf Coast	TX	Hardin	440.8495469	442.1918156	1.342269	TX199	Evadale-Texla complex, 0 to 1 percent slopes	95	1.275155294
Gulf Coast	TX	Hardin	443.3228412	443.4033623	0.080521	TX199	Bevil clay, 0 to 1 percent slopes	3	0.002415633
Gulf Coast	TX	Hardin	443.4957606	444.6582342	1.162474	TX199	Evadale-Texla complex, 0 to 1 percent slopes	95	1.104349986
Gulf Coast	TX	Hardin	444.8446184	445.2057616	0.361143	TX199	Vamont clay, 0 to 1 percent slopes	5	0.01805716
Gulf Coast	TX	Hardin	445.2057616	445.3875305	0.181769	TX199	Evadale-Texla complex, 0 to 1 percent slopes	95	0.172680483
Gulf Coast	TX	Hardin	445.3875305	445.6375411	0.250011	TX199	Vamont clay, 0 to 1 percent slopes	5	0.012500531

Table K-6 Soils with Low Revegetation Potential Located Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Low revegetation potential (%)	Low revegetation potential (miles)
Gulf Coast	TX	Hardin	445.6375411	446.33106	0.693519	TX199	Evadale-Texla complex, 0 to 1 percent slopes	95	0.65884292
Gulf Coast	TX	Hardin	446.5540099	446.8358856	0.281876	TX199	Evadale-Gist complex, 0 to 1 percent slopes	98	0.276238252
Gulf Coast	TX	Hardin	446.8358856	446.8904166	0.054531	TX199	Spurger very fine sandy loam, 0 to 2 percent slopes	5	0.002726546
Gulf Coast	TX	Hardin	446.8904166	446.9697973	0.079381	TX199	Evadale-Gist complex, 0 to 1 percent slopes	98	0.077793097
Gulf Coast	TX	Hardin	446.9697973	447.2502756	0.280478	TX199	Spurger very fine sandy loam, 0 to 2 percent slopes	5	0.014023916
Gulf Coast	TX	Hardin	447.2502756	447.2925428	0.042267	TX199	Evadale-Gist complex, 0 to 1 percent slopes	98	0.041421833
Gulf Coast	TX	Hardin	447.2925428	447.3382931	0.04575	TX199	Spurger very fine sandy loam, 0 to 2 percent slopes	5	0.002287519
Gulf Coast	TX	Hardin	447.3747944	447.670199	0.295405	TX199	Evadale-Gist complex, 0 to 1 percent slopes	98	0.289496526
Gulf Coast	TX	Hardin	447.837541	447.9763426	0.138802	TX199	Evadale-Gist complex, 0 to 1 percent slopes	98	0.13602557
Gulf Coast	TX	Hardin	448.0476067	448.437635	0.390028	TX199	Evadale-Gist complex, 0 to 1 percent slopes	98	0.38222773
Gulf Coast	TX	Liberty	448.7565548	448.9807908	0.224236	TX291	Estes clay, frequently flooded	80	0.17938874
Gulf Coast	TX	Jefferson	459.7116778	459.7481383	0.03646	TX623	League clay, 0 to 1 percent slopes	85	0.030991417
Gulf Coast	TX	Jefferson	460.6374084	460.884081	0.246673	TX623	League clay, 0 to 1 percent slopes	85	0.209671662
Gulf Coast	TX	Jefferson	461.5904014	462.049632	0.459231	TX623	League clay, 0 to 1 percent slopes	85	0.390346006
Gulf Coast	TX	Jefferson	463.2762613	463.4171603	0.140899	TX623	League clay, 0 to 1 percent slopes	85	0.11976417
Gulf Coast	TX	Jefferson	464.0946618	464.4587412	0.364079	TX623	League clay, 0 to 1 percent slopes	85	0.309467447
Gulf Coast	TX	Jefferson	464.834125	465.5685252	0.7344	TX623	League clay, 0 to 1 percent slopes	85	0.624240181
Gulf Coast	TX	Jefferson	466.8494389	466.946344	0.096905	TX623	China clay, 0 to 1 percent slopes	85	0.082369342
Gulf Coast	TX	Jefferson	467.1225137	468.2194244	1.096911	TX623	China clay, 0 to 1 percent slopes	85	0.932374151
Gulf Coast	TX	Jefferson	468.6488121	469.0761277	0.427316	TX623	League clay, 0 to 1 percent slopes	85	0.36321828
Gulf Coast	TX	Jefferson	471.2418145	471.3757711	0.133957	TX623	League clay, 0 to 1 percent slopes	85	0.11386315
Gulf Coast	TX	Jefferson	472.3407423	474.4310272	2.090285	TX623	League clay, 0 to 1 percent slopes	85	1.776742149
Gulf Coast	TX	Jefferson	476.2916431	477.3969843	1.105341	TX623	League clay, 0 to 1 percent slopes	85	0.939540038
Gulf Coast	TX	Jefferson	477.5831213	478.2733722	0.690251	TX623	League clay, 0 to 1 percent slopes	85	0.586713238
Gulf Coast	TX	Jefferson	478.2923774	478.4183501	0.125973	TX623	League-Urban land complex, 0 to 1 percent slopes	70	0.088180879
Gulf Coast	TX	Jefferson	478.8948444	479.0248358	0.129991	TX623	Creole mucky peat, 0 to 1 percent slopes, frequently flooded, tidal	80	0.103993138
Gulf Coast	TX	Jefferson	479.7232161	480.1516909	0.428475	TX623	Creole mucky peat, 0 to 1 percent slopes, frequently flooded, tidal	80	0.34277983
HOUSTON LATERAL									
Houston Lateral	TX	Liberty	16.11453724	17.52207465	1.407537	TX291	Kaman clay, occasionally flooded	90	1.266783668
Houston Lateral	TX	Liberty	18.91626128	18.93716716	0.020906	TX291	Kaman clay, occasionally flooded	90	0.018815295
Houston Lateral	TX	Liberty	19.42547852	21.701988	2.276509	TX291	Kaman clay, frequently flooded	90	2.04885853
Houston Lateral	TX	Liberty	28.0191896	29.17337958	1.15419	TX291	League clay, 0 to 1 percent slopes	90	1.038770978
Houston Lateral	TX	Liberty	29.35489425	29.71337533	0.358481	TX291	League clay, 0 to 1 percent slopes	90	0.322632975
Houston Lateral	TX	Harris	42.79567814	42.87421187	0.078534	TX201	Kaman clay	95	0.074607043
Houston Lateral	TX	Harris	42.9494342	43.03560204	0.086168	TX201	Kaman clay	95	0.08185945
Houston Lateral	TX	Harris	43.55512302	43.80303097	0.247908	TX201	Kaman clay	95	0.235512552
Houston Lateral	TX	Harris	43.85111535	43.91166733	0.060552	TX201	Kaman clay	95	0.057524383
Houston Lateral	TX	Harris	43.98302512	44.45123517	0.46821	TX201	Kaman clay	95	0.444799549

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
STEELE CITY SEGMENT								
Steele City	MT	Phillips	0.000	0.740	0.740	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	0.740
Steele City	MT	Phillips	0.740	0.752	0.013	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.013
Steele City	MT	Phillips	0.752	0.876	0.124	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.120
Steele City	MT	Phillips	0.876	1.082	0.205	MT641	Phillips loam, 0 to 4 percent slopes	0.205
Steele City	MT	Phillips	1.082	1.242	0.160	MT641	Evanston loam, 0 to 4 percent slopes	0.155
Steele City	MT	Phillips	1.242	1.492	0.250	MT641	Scobey clay loam, 0 to 4 percent slopes	0.250
Steele City	MT	Phillips	1.492	1.582	0.090	MT641	Scobey-Phillips complex, 0 to 4 percent slopes	0.090
Steele City	MT	Phillips	1.582	1.717	0.135	MT641	Phillips loam, 0 to 4 percent slopes	0.135
Steele City	MT	Phillips	1.717	2.061	0.344	MT641	Scobey clay loam, 0 to 4 percent slopes	0.344
Steele City	MT	Phillips	2.061	2.275	0.214	MT641	Scobey-Phillips complex, 0 to 4 percent slopes	0.214
Steele City	MT	Phillips	2.275	2.527	0.251	MT641	Ethridge clay loam, 0 to 4 percent slopes	0.251
Steele City	MT	Phillips	2.527	3.740	1.213	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	1.213
Steele City	MT	Phillips	3.740	3.999	0.259	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.252
Steele City	MT	Phillips	3.999	5.949	1.949	MT641	Phillips-Kevin, gravelly complex, 2 to 8 percent slopes	1.949
Steele City	MT	Phillips	5.949	6.179	0.231	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.224
Steele City	MT	Phillips	6.179	6.465	0.285	MT641	Scobey-Phillips complex, 0 to 4 percent slopes	0.285
Steele City	MT	Phillips	6.465	6.865	0.401	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.389
Steele City	MT	Phillips	6.865	7.147	0.282	MT641	Scobey-Phillips complex, 0 to 4 percent slopes	0.282
Steele City	MT	Phillips	7.147	7.761	0.614	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.595
Steele City	MT	Phillips	7.761	7.949	0.188	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.188
Steele City	MT	Phillips	7.949	8.074	0.125	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.125
Steele City	MT	Phillips	8.074	8.148	0.074	MT641	Evanston loam, 0 to 4 percent slopes	0.071
Steele City	MT	Phillips	8.148	8.276	0.128	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.128
Steele City	MT	Phillips	8.276	8.364	0.088	MT641	Evanston loam, 0 to 4 percent slopes	0.086
Steele City	MT	Phillips	8.364	8.606	0.242	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.242
Steele City	MT	Phillips	8.606	9.057	0.451	MT641	Evanston loam, 0 to 4 percent slopes	0.438
Steele City	MT	Phillips	9.057	9.118	0.062	MT641	Creed-Gerdrum complex, 0 to 4 percent slopes	0.062
Steele City	MT	Phillips	9.118	9.278	0.160	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.155
Steele City	MT	Phillips	9.278	9.407	0.129	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.129
Steele City	MT	Phillips	9.407	9.778	0.370	MT641	Kevin-Sunburst clay loams, 2 to 8 percent slopes	0.370
Steele City	MT	Phillips	9.778	10.033	0.255	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.255
Steele City	MT	Phillips	10.033	10.155	0.122	MT641	Sunburst-Bascovy-Weingart complex, 2 to 8 percent slopes	0.122
Steele City	MT	Phillips	10.155	10.202	0.047	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.047
Steele City	MT	Phillips	10.202	10.409	0.207	MT641	Sunburst-Bascovy-Weingart complex, 2 to 8 percent slopes	0.207
Steele City	MT	Phillips	10.409	10.419	0.010	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.010
Steele City	MT	Phillips	10.419	10.911	0.492	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	0.492
Steele City	MT	Phillips	10.911	10.975	0.064	MT641	Bascovy-Neldore clays, 2 to 8 percent slopes	0.063
Steele City	MT	Phillips	10.975	11.505	0.530	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	0.530
Steele City	MT	Phillips	11.505	12.044	0.539	MT641	Neldore-Bascovy clays, 4 to 15 percent slopes	0.528
Steele City	MT	Phillips	12.044	12.363	0.318	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.318
Steele City	MT	Phillips	12.363	12.480	0.117	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.117
Steele City	MT	Phillips	12.480	13.023	0.543	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.543
Steele City	MT	Phillips	13.023	13.109	0.086	MT641	Neldore-Bascovy-Rock outcrop association, 8 to 60 percent slopes	0.069
Steele City	MT	Phillips	13.109	13.423	0.314	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.314
Steele City	MT	Phillips	13.423	13.513	0.089	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.089
Steele City	MT	Phillips	13.513	13.532	0.019	MT641	Neldore-Bascovy-Rock outcrop association, 8 to 60 percent slopes	0.015
Steele City	MT	Phillips	13.532	13.650	0.118	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.118
Steele City	MT	Phillips	13.650	13.815	0.165	MT641	Neldore-Bascovy-Rock outcrop association, 8 to 60 percent slopes	0.132
Steele City	MT	Phillips	13.815	14.373	0.558	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.558
Steele City	MT	Phillips	14.373	15.332	0.960	MT641	Hillon-Kevin complex, 8 to 15 percent slopes	0.960
Steele City	MT	Phillips	15.332	15.427	0.095	MT641	Bascovy-Neldore-Weingart clays, 8 to 25 percent slopes	0.095
Steele City	MT	Phillips	15.427	15.444	0.017	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.017
Steele City	MT	Phillips	15.444	15.461	0.017	MT641	Sunburst-Kevin complex, 15 to 45 percent slopes	0.017
Steele City	MT	Phillips	15.461	15.472	0.011	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.011
Steele City	MT	Phillips	15.472	15.814	0.342	MT641	Sunburst-Kevin complex, 15 to 45 percent slopes	0.342
Steele City	MT	Phillips	15.814	16.211	0.397	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.397
Steele City	MT	Phillips	16.211	16.359	0.148	MT641	Sunburst-Neldore association, 15 to 45 percent slopes	0.141
Steele City	MT	Phillips	16.359	16.540	0.181	MT641	Neldore-Bascovy-Rock outcrop association, 8 to 60 percent slopes	0.145
Steele City	MT	Phillips	16.540	16.760	0.220	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.220
Steele City	MT	Phillips	16.760	16.825	0.064	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.064
Steele City	MT	Phillips	16.825	16.942	0.118	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.118
Steele City	MT	Phillips	16.942	17.012	0.070	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.070
Steele City	MT	Phillips	17.012	17.049	0.037	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.037
Steele City	MT	Phillips	17.049	17.171	0.121	MT641	Marvan-Gerdrum association, 2 to 15 percent slopes	0.121
Steele City	MT	Phillips	17.171	17.314	0.143	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.143
Steele City	MT	Phillips	17.314	17.673	0.360	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.360
Steele City	MT	Phillips	17.673	17.823	0.150	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.150
Steele City	MT	Phillips	17.823	17.855	0.032	MT641	Sunburst-Bascovy-Neldore complex, 8 to 35 percent slopes	0.031

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	Phillips	17.855	17.959	0.105	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.105
Steele City	MT	Phillips	17.959	18.226	0.266	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.266
Steele City	MT	Phillips	18.226	18.302	0.076	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.076
Steele City	MT	Phillips	18.302	18.392	0.090	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.090
Steele City	MT	Phillips	18.392	18.449	0.057	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.057
Steele City	MT	Phillips	18.449	18.499	0.050	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.050
Steele City	MT	Phillips	18.499	18.500	0.000	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.000
Steele City	MT	Phillips	18.500	18.533	0.034	MT641	Bascovy-Neldore clays, 2 to 8 percent slopes	0.033
Steele City	MT	Phillips	18.533	18.555	0.022	MT641	Phillips-Elloam complex, 0 to 4 percent slopes	0.022
Steele City	MT	Phillips	18.555	18.757	0.201	MT641	Bascovy-Neldore clays, 2 to 8 percent slopes	0.197
Steele City	MT	Phillips	18.757	19.316	0.559	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.543
Steele City	MT	Phillips	19.316	19.650	0.334	MT641	Twilight-Cabbart-Marmarth association, 4 to 15 percent slopes	0.177
Steele City	MT	Phillips	19.650	19.750	0.099	MT641	Phillips-Kevin complex, 2 to 8 percent slopes	0.099
Steele City	MT	Phillips	19.750	19.789	0.040	MT641	Sunburst-Bascovy-Weingart complex, 2 to 8 percent slopes	0.040
Steele City	MT	Phillips	19.789	20.015	0.226	MT641	Phillips-Kevin complex, 2 to 8 percent slopes	0.226
Steele City	MT	Phillips	20.015	20.257	0.242	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.242
Steele City	MT	Phillips	20.257	20.337	0.080	MT641	Phillips-Kevin complex, 2 to 8 percent slopes	0.080
Steele City	MT	Phillips	20.337	20.691	0.355	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.344
Steele City	MT	Phillips	20.691	20.734	0.043	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.033
Steele City	MT	Phillips	20.734	20.788	0.054	MT641	Harlake clay, 0 to 2 percent slopes	0.054
Steele City	MT	Phillips	20.788	21.075	0.287	MT641	Hillon-Kevin complex, 8 to 15 percent slopes	0.287
Steele City	MT	Phillips	21.075	21.283	0.209	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.203
Steele City	MT	Phillips	21.283	21.315	0.032	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.025
Steele City	MT	Phillips	21.315	21.433	0.118	MT641	Havre-Harlake-Glendive complex, 0 to 2 percent slopes	0.113
Steele City	MT	Phillips	21.433	21.544	0.110	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.086
Steele City	MT	Phillips	21.544	21.584	0.041	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.040
Steele City	MT	Phillips	21.584	21.609	0.025	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.019
Steele City	MT	Phillips	21.609	21.782	0.173	MT641	Hillon-Kevin complex, 8 to 15 percent slopes	0.173
Steele City	MT	Phillips	21.782	21.983	0.201	MT641	Phillips-Kevin complex, 2 to 8 percent slopes	0.201
Steele City	MT	Phillips	21.983	22.039	0.056	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.043
Steele City	MT	Phillips	22.039	22.881	0.842	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.842
Steele City	MT	Phillips	22.881	22.935	0.055	MT641	Scobey-Kevin-Elloam clay loams, 2 to 8 percent slopes	0.055
Steele City	MT	Phillips	22.935	23.912	0.977	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.977
Steele City	MT	Phillips	23.912	23.994	0.082	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.064
Steele City	MT	Phillips	23.994	24.491	0.497	MT641	Scobey-Kevin clay loams, 2 to 8 percent slopes	0.497
Steele City	MT	Phillips	24.491	25.183	0.692	MT641	Telstad-Joplin loams, 2 to 8 percent slopes	0.692
Steele City	MT	Phillips	25.183	25.358	0.175	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.136
Steele City	MT	Phillips	25.358	25.413	0.055	MT641	Yamacall loam, 2 to 8 percent slopes	0.053
Steele City	MT	Phillips	25.413	25.461	0.048	MT641	Marvan complex, 2 to 8 percent slopes	0.048
Steele City	MT	Phillips	25.461	25.757	0.296	MT641	Harlake-Havre clay loams, 0 to 2 percent slopes	0.296
Steele City	MT	Valley	25.757	25.997	0.240	MT105	Typic Fluvaquents, gently sloping	0.240
Steele City	MT	Valley	25.997	26.054	0.057	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.051
Steele City	MT	Valley	26.054	26.116	0.062	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.062
Steele City	MT	Valley	26.116	27.299	1.182	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	1.182
Steele City	MT	Valley	27.299	27.452	0.154	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.154
Steele City	MT	Valley	27.452	28.218	0.766	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.766
Steele City	MT	Valley	28.218	28.702	0.484	MT105	Phillips loam, 0 to 5 percent slopes	0.484
Steele City	MT	Valley	28.702	29.079	0.376	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.376
Steele City	MT	Valley	29.079	29.379	0.301	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.301
Steele City	MT	Valley	29.379	29.571	0.192	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.192
Steele City	MT	Valley	29.571	30.063	0.491	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.491
Steele City	MT	Valley	30.063	30.378	0.316	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.316
Steele City	MT	Valley	30.378	30.635	0.256	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.256
Steele City	MT	Valley	30.635	30.913	0.278	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.278
Steele City	MT	Valley	30.913	31.300	0.388	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.388
Steele City	MT	Valley	31.300	31.822	0.521	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.521
Steele City	MT	Valley	31.822	32.282	0.461	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.461
Steele City	MT	Valley	32.282	32.354	0.072	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.067
Steele City	MT	Valley	32.354	32.482	0.128	MT105	Elloam clay loam, 1 to 5 percent slopes	0.128
Steele City	MT	Valley	32.482	32.649	0.167	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.167
Steele City	MT	Valley	32.649	32.907	0.258	MT105	Thebo-Lisam clays, 2 to 15 percent slopes	0.253
Steele City	MT	Valley	32.907	32.931	0.024	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.022
Steele City	MT	Valley	32.931	33.038	0.107	MT105	Elloam clay loam, 1 to 5 percent slopes	0.107
Steele City	MT	Valley	33.038	33.838	0.801	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.801
Steele City	MT	Valley	33.838	33.954	0.115	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.115

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	Valley	33.954	34.586	0.632	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.632
Steele City	MT	Valley	34.586	34.635	0.049	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.049
Steele City	MT	Valley	34.635	34.689	0.054	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.054
Steele City	MT	Valley	34.689	35.167	0.477	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.477
Steele City	MT	Valley	35.167	35.317	0.150	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.150
Steele City	MT	Valley	35.317	35.433	0.116	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.116
Steele City	MT	Valley	35.433	35.510	0.077	MT105	Phillips loam, 0 to 5 percent slopes	0.077
Steele City	MT	Valley	35.510	35.587	0.078	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.070
Steele City	MT	Valley	35.587	35.855	0.268	MT105	Phillips loam, 0 to 5 percent slopes	0.268
Steele City	MT	Valley	35.855	36.069	0.213	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.198
Steele City	MT	Valley	36.069	36.263	0.194	MT105	Marmarth-Cabbart loams, 5 to 25 percent slopes	0.194
Steele City	MT	Valley	36.263	36.583	0.321	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.321
Steele City	MT	Valley	36.583	38.199	1.616	MT105	Scobey stony clay loams, 2 to 15 percent slopes	1.616
Steele City	MT	Valley	38.199	38.652	0.452	MT105	Scobey clay loam, 1 to 9 percent slopes	0.452
Steele City	MT	Valley	38.652	38.754	0.102	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.092
Steele City	MT	Valley	38.754	38.850	0.096	MT105	Scobey clay loam, 1 to 9 percent slopes	0.096
Steele City	MT	Valley	38.850	39.073	0.223	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.201
Steele City	MT	Valley	39.073	39.273	0.200	MT105	Ustic Torrifluvents, gently sloping	0.200
Steele City	MT	Valley	39.273	39.333	0.060	MT105	Havre-Glendive complex	0.060
Steele City	MT	Valley	39.333	39.599	0.266	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.239
Steele City	MT	Valley	39.599	40.079	0.480	MT105	Telstad loam, 1 to 9 percent slopes	0.480
Steele City	MT	Valley	40.079	40.355	0.276	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.248
Steele City	MT	Valley	40.355	40.782	0.427	MT105	Ustic Torrifluvents, gently sloping	0.427
Steele City	MT	Valley	40.782	40.912	0.129	MT105	Evanston loam, 2 to 9 percent slopes	0.129
Steele City	MT	Valley	40.912	41.058	0.146	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.146
Steele City	MT	Valley	41.058	41.092	0.034	MT105	Lonna-Marias complex, 1 to 3 percent slopes	0.034
Steele City	MT	Valley	41.092	41.211	0.118	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.118
Steele City	MT	Valley	41.211	41.446	0.235	MT105	Lonna-Marias complex, 1 to 3 percent slopes	0.235
Steele City	MT	Valley	41.446	41.508	0.063	MT105	Cabbart-Delpoint complex, 9 to 35 percent slopes	0.056
Steele City	MT	Valley	41.508	41.637	0.129	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.129
Steele City	MT	Valley	41.637	42.352	0.715	MT105	Scobey clay loam, 1 to 9 percent slopes	0.715
Steele City	MT	Valley	42.352	42.437	0.085	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.085
Steele City	MT	Valley	42.437	42.563	0.127	MT105	Scobey clay loam, 1 to 9 percent slopes	0.127
Steele City	MT	Valley	42.563	42.828	0.264	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.264
Steele City	MT	Valley	42.828	42.975	0.147	MT105	Evanston loam, 2 to 9 percent slopes	0.147
Steele City	MT	Valley	42.975	43.156	0.181	MT105	Marmarth-Cabbart loams, 5 to 25 percent slopes	0.181
Steele City	MT	Valley	43.156	43.245	0.088	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.088
Steele City	MT	Valley	43.245	43.533	0.288	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.288
Steele City	MT	Valley	43.533	43.664	0.131	MT105	Phillips loam, 0 to 5 percent slopes	0.131
Steele City	MT	Valley	43.664	44.002	0.338	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.338
Steele City	MT	Valley	44.002	44.144	0.142	MT105	Phillips loam, 0 to 5 percent slopes	0.142
Steele City	MT	Valley	44.144	44.394	0.251	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.251
Steele City	MT	Valley	44.394	44.475	0.080	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.080
Steele City	MT	Valley	44.475	44.793	0.319	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.319
Steele City	MT	Valley	44.793	44.840	0.046	MT105	Marmarth-Cabbart loams, 5 to 25 percent slopes	0.046
Steele City	MT	Valley	44.840	44.912	0.072	MT105	Ustic Torrifluvents, gently sloping	0.072
Steele City	MT	Valley	44.912	45.060	0.149	MT105	Evanston loam, 2 to 9 percent slopes	0.149
Steele City	MT	Valley	45.060	45.197	0.136	MT105	Marmarth-Cabbart loams, 5 to 25 percent slopes	0.136
Steele City	MT	Valley	45.197	45.442	0.246	MT105	Phillips loam, 0 to 5 percent slopes	0.246
Steele City	MT	Valley	45.442	45.754	0.311	MT105	Elloam clay loam, 1 to 5 percent slopes	0.311
Steele City	MT	Valley	45.754	45.825	0.071	MT105	Marias clay, 1 to 9 percent slopes	0.071
Steele City	MT	Valley	45.825	46.136	0.311	MT105	Thebo clay, 2 to 9 percent slopes	0.311
Steele City	MT	Valley	46.136	46.172	0.036	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.036
Steele City	MT	Valley	46.172	46.305	0.134	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.134
Steele City	MT	Valley	46.305	46.599	0.294	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.294
Steele City	MT	Valley	46.599	46.914	0.314	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.292
Steele City	MT	Valley	46.914	46.927	0.013	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.013
Steele City	MT	Valley	46.927	47.006	0.079	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.073
Steele City	MT	Valley	47.006	47.278	0.272	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.272
Steele City	MT	Valley	47.278	47.554	0.276	MT105	Tinsley complex, 9 to 35 percent slopes	0.152
Steele City	MT	Valley	47.554	47.801	0.247	MT105	Phillips loam, 0 to 5 percent slopes	0.247
Steele City	MT	Valley	47.801	47.905	0.103	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.103
Steele City	MT	Valley	47.905	48.021	0.117	MT105	Phillips loam, 0 to 5 percent slopes	0.117
Steele City	MT	Valley	48.021	48.484	0.463	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.431
Steele City	MT	Valley	48.484	48.638	0.153	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.153
Steele City	MT	Valley	48.638	48.689	0.051	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.051
Steele City	MT	Valley	48.689	48.713	0.024	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.024
Steele City	MT	Valley	48.713	48.767	0.054	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.054
Steele City	MT	Valley	48.767	48.832	0.065	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.065
Steele City	MT	Valley	48.832	48.993	0.161	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.161
Steele City	MT	Valley	48.993	49.036	0.043	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.043
Steele City	MT	Valley	49.036	49.108	0.072	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.072
Steele City	MT	Valley	49.108	51.068	1.960	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	1.960

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	Valley	51.068	51.207	0.139	MT105	Absher-Vaeda complex, 1 to 5 percent slopes	0.139
Steele City	MT	Valley	51.207	51.478	0.271	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.252
Steele City	MT	Valley	51.478	51.554	0.076	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.076
Steele City	MT	Valley	51.554	51.721	0.167	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.155
Steele City	MT	Valley	51.721	52.135	0.413	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.413
Steele City	MT	Valley	52.135	52.273	0.138	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.128
Steele City	MT	Valley	52.273	52.371	0.098	MT105	Ustic Torrifluvents, gently sloping	0.098
Steele City	MT	Valley	52.371	52.440	0.069	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.064
Steele City	MT	Valley	52.440	52.878	0.438	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.438
Steele City	MT	Valley	52.878	52.947	0.069	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.064
Steele City	MT	Valley	52.947	53.125	0.178	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.178
Steele City	MT	Valley	53.125	53.207	0.082	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.076
Steele City	MT	Valley	53.207	53.254	0.047	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.047
Steele City	MT	Valley	53.254	53.474	0.220	MT105	Absher-Vaeda complex, 1 to 5 percent slopes	0.220
Steele City	MT	Valley	53.474	53.576	0.101	MT105	Thebo-Lisam clays, 2 to 15 percent slopes	0.099
Steele City	MT	Valley	53.576	54.011	0.435	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.404
Steele City	MT	Valley	54.011	54.303	0.293	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.293
Steele City	MT	Valley	54.303	54.745	0.442	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.442
Steele City	MT	Valley	54.745	55.201	0.456	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.424
Steele City	MT	Valley	55.201	55.297	0.097	MT105	Ustic Torrifluvents, gently sloping	0.097
Steele City	MT	Valley	55.297	55.651	0.354	MT105	Havre-Harlem silty clays	0.318
Steele City	MT	Valley	55.651	55.755	0.104	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.097
Steele City	MT	Valley	55.755	55.828	0.073	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.073
Steele City	MT	Valley	55.828	55.993	0.165	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.165
Steele City	MT	Valley	55.993	56.037	0.044	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.044
Steele City	MT	Valley	56.037	56.137	0.100	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.100
Steele City	MT	Valley	56.137	56.511	0.375	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.375
Steele City	MT	Valley	56.511	56.583	0.072	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.067
Steele City	MT	Valley	56.583	56.835	0.251	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.251
Steele City	MT	Valley	56.835	56.892	0.057	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.053
Steele City	MT	Valley	56.892	57.064	0.173	MT105	Aquic Ustifluvents, saline	0.173
Steele City	MT	Valley	57.064	57.205	0.140	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.140
Steele City	MT	Valley	57.205	57.270	0.065	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.065
Steele City	MT	Valley	57.270	57.337	0.067	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.062
Steele City	MT	Valley	57.337	57.402	0.065	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.065
Steele City	MT	Valley	57.402	57.596	0.195	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.181
Steele City	MT	Valley	57.596	57.799	0.203	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.203
Steele City	MT	Valley	57.799	58.380	0.581	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.581
Steele City	MT	Valley	58.380	59.245	0.865	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.865
Steele City	MT	Valley	59.245	59.359	0.114	MT105	Ustic Torrifluvents, gently sloping	0.114
Steele City	MT	Valley	59.359	59.463	0.104	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.104
Steele City	MT	Valley	59.463	59.629	0.167	MT105	Elloam clay loam, 1 to 5 percent slopes	0.167
Steele City	MT	Valley	59.629	59.752	0.122	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.122
Steele City	MT	Valley	59.752	59.925	0.174	MT105	Aquic Ustifluvents, saline	0.174
Steele City	MT	Valley	59.925	60.131	0.205	MT105	Redvale loam, 0 to 3 percent slopes	0.205
Steele City	MT	Valley	60.131	61.142	1.012	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	1.012
Steele City	MT	Valley	61.142	61.581	0.438	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.438
Steele City	MT	Valley	61.581	61.725	0.145	MT105	Ustic Torrifluvents, gently sloping	0.145
Steele City	MT	Valley	61.725	61.933	0.207	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.207
Steele City	MT	Valley	61.933	63.224	1.292	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	1.292
Steele City	MT	Valley	63.224	63.632	0.407	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.407
Steele City	MT	Valley	63.632	64.157	0.526	MT105	Phillips loam, 0 to 5 percent slopes	0.526
Steele City	MT	Valley	64.157	64.948	0.791	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.791
Steele City	MT	Valley	64.948	66.849	1.900	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	1.900
Steele City	MT	Valley	66.849	66.890	0.041	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.041
Steele City	MT	Valley	66.890	66.978	0.088	MT105	Ustic Torrifluvents, gently sloping	0.088
Steele City	MT	Valley	66.978	67.142	0.163	MT105	Havre-Harlem silty clays	0.147
Steele City	MT	Valley	67.142	67.237	0.095	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.095
Steele City	MT	Valley	67.237	67.461	0.224	MT105	Redvale loam, 0 to 3 percent slopes	0.224
Steele City	MT	Valley	67.461	67.603	0.142	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.142
Steele City	MT	Valley	67.603	67.807	0.204	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.204
Steele City	MT	Valley	67.807	68.031	0.223	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.223
Steele City	MT	Valley	68.031	68.333	0.302	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.302
Steele City	MT	Valley	68.333	68.456	0.123	MT105	Redvale loam, 0 to 3 percent slopes	0.123
Steele City	MT	Valley	68.456	68.596	0.140	MT105	Ustic Torrifluvents, gently sloping	0.140
Steele City	MT	Valley	68.596	69.204	0.608	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.608
Steele City	MT	Valley	69.245	69.439	0.194	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.194
Steele City	MT	Valley	69.439	70.256	0.817	MT105	Thoeny-Phillips complex, 1 to 5 percent slopes	0.817
Steele City	MT	Valley	70.256	70.414	0.158	MT105	Aquic Ustifluvents, saline	0.158
Steele City	MT	Valley	70.414	70.478	0.063	MT105	Havre-Rivra complex	0.051
Steele City	MT	Valley	70.478	70.568	0.090	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.090
Steele City	MT	Valley	70.568	70.784	0.216	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.216
Steele City	MT	Valley	70.784	70.862	0.078	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.078

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	Valley	70.862	71.047	0.185	MT105	Ustic Torrifluvents, gently sloping	0.185
Steele City	MT	Valley	71.047	72.909	1.862	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	1.862
Steele City	MT	Valley	72.909	73.437	0.528	MT105	Scobey clay loam, 1 to 9 percent slopes	0.528
Steele City	MT	Valley	73.437	73.535	0.098	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.098
Steele City	MT	Valley	73.535	73.606	0.071	MT105	Scobey clay loam, 1 to 9 percent slopes	0.071
Steele City	MT	Valley	73.606	75.808	2.202	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	2.202
Steele City	MT	Valley	75.808	75.875	0.067	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.067
Steele City	MT	Valley	75.875	75.936	0.061	MT105	Ustic Torrifluvents, gently sloping	0.061
Steele City	MT	Valley	75.936	75.986	0.050	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.050
Steele City	MT	Valley	75.986	76.489	0.503	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.503
Steele City	MT	Valley	76.489	76.514	0.026	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.026
Steele City	MT	Valley	76.514	77.759	1.245	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	1.245
Steele City	MT	Valley	77.759	77.837	0.078	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.078
Steele City	MT	Valley	77.837	77.893	0.055	MT105	Ustic Torrifluvents, gently sloping	0.055
Steele City	MT	Valley	77.893	77.922	0.029	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.029
Steele City	MT	Valley	77.922	78.056	0.133	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.133
Steele City	MT	Valley	78.056	78.287	0.231	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.231
Steele City	MT	Valley	78.287	78.684	0.397	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.397
Steele City	MT	Valley	78.684	78.856	0.172	MT105	Nishon loam	0.172
Steele City	MT	Valley	78.856	79.304	0.448	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.448
Steele City	MT	Valley	79.304	79.676	0.372	MT105	Scobey clay loam, 1 to 9 percent slopes	0.372
Steele City	MT	Valley	79.676	80.784	1.108	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	1.108
Steele City	MT	Valley	80.784	82.130	1.346	MT105	Redvale loam, 0 to 3 percent slopes	1.346
Steele City	MT	Valley	82.130	82.412	0.282	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.282
Steele City	MT	Valley	82.412	82.492	0.080	MT105	Phillips-Elloam complex, 1 to 9 percent slopes	0.080
Steele City	MT	Valley	82.492	82.710	0.218	MT105	Havre silty clay loam	0.218
Steele City	MT	Valley	82.729	84.851	2.122	MT105	Harlem clay	2.122
Steele City	MT	Valley	84.851	85.041	0.190	MT105	Hillon-Telstad loams, 9 to 15 percent slopes	0.183
Steele City	MT	Valley	85.041	85.289	0.248	MT105	Evanston-Lonna loams, 2 to 9 percent slopes	0.248
Steele City	MT	Valley	85.289	85.598	0.309	MT105	Phillips loam, 0 to 5 percent slopes	0.309
Steele City	MT	Valley	85.598	85.990	0.392	MT105	Evanston-Lonna loams, 2 to 9 percent slopes	0.392
Steele City	MT	Valley	85.990	86.155	0.164	MT105	Phillips loam, 0 to 5 percent slopes	0.164
Steele City	MT	Valley	86.155	86.986	0.831	MT105	Evanston-Lonna loams, 2 to 9 percent slopes	0.831
Steele City	MT	Valley	86.986	87.018	0.032	MT105	Hillon loam, 15 to 35 percent slopes	0.031
Steele City	MT	Valley	87.018	87.568	0.549	MT105	Havre-Harlem silty clays	0.495
Steele City	MT	Valley	87.568	87.956	0.388	MT105	Havre silty clay loam	0.388
Steele City	MT	Valley	87.956	88.123	0.167	MT105	Havre-Harlem silty clays	0.150
Steele City	MT	Valley	88.123	88.142	0.020	MT105	Havre silty clay loam	0.020
Steele City	MT	Valley	88.142	88.265	0.122	MT105	Havre-Harlem silty clays	0.110
Steele City	MT	Valley	88.265	88.453	0.188	MT105	Havre silty clay loam	0.188
Steele City	MT	Valley	88.453	88.876	0.423	MT105	Havre-Harlem silty clays	0.381
Steele City	MT	McCone	89.092	89.236	0.144	MT055	Havre silty clay loam	0.144
Steele City	MT	McCone	89.236	89.403	0.167	MT055	Glendive silty clay loam, protected	0.167
Steele City	MT	McCone	89.403	89.626	0.222	MT055	Havre silty clay loam, protected	0.222
Steele City	MT	McCone	89.626	89.725	0.099	MT055	Glendive silty clay loam, protected	0.099
Steele City	MT	McCone	89.725	89.858	0.133	MT055	Havre silty clay loam, protected	0.133
Steele City	MT	McCone	89.858	90.046	0.187	MT055	Harlem silty clay, protected	0.187
Steele City	MT	McCone	90.046	90.114	0.068	MT055	Neldore-Badland-Bascovy complex, 15 to 45 percent slopes	0.048
Steele City	MT	McCone	90.114	90.451	0.337	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.145
Steele City	MT	McCone	90.451	90.830	0.380	MT055	Neldore-Yamac-Badland complex, 15 to 45 percent slopes	0.273
Steele City	MT	McCone	90.830	90.883	0.052	MT055	Yamac loam, 8 to 15 percent slopes	0.049
Steele City	MT	McCone	90.883	90.976	0.093	MT055	Neldore-Yamac-Badland complex, 15 to 45 percent slopes	0.067
Steele City	MT	McCone	90.976	91.464	0.488	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.210
Steele City	MT	McCone	91.464	91.642	0.178	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.027
Steele City	MT	McCone	91.642	91.786	0.144	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.062
Steele City	MT	McCone	91.786	92.077	0.291	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.044
Steele City	MT	McCone	92.077	92.255	0.178	MT055	Twilight-Yetull fine sandy loams, 8 to 15 percent slopes	0.030
Steele City	MT	McCone	92.255	92.262	0.007	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.001
Steele City	MT	McCone	92.262	92.464	0.202	MT055	Twilight-Yetull fine sandy loams, 8 to 15 percent slopes	0.034
Steele City	MT	McCone	92.464	92.735	0.271	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.041
Steele City	MT	McCone	92.735	92.920	0.185	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.080
Steele City	MT	McCone	92.920	93.537	0.616	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.216
Steele City	MT	McCone	93.537	93.572	0.035	MT055	Aeric Fluvaquents, loamy	0.003
Steele City	MT	McCone	93.572	93.607	0.035	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.034
Steele City	MT	McCone	93.607	93.674	0.067	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.023
Steele City	MT	McCone	93.674	93.718	0.044	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.042
Steele City	MT	McCone	93.718	93.796	0.078	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.071
Steele City	MT	McCone	93.796	94.001	0.204	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.031
Steele City	MT	McCone	94.001	94.120	0.119	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.080
Steele City	MT	McCone	94.120	94.220	0.100	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.097
Steele City	MT	McCone	94.220	94.236	0.016	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.011
Steele City	MT	McCone	94.236	94.254	0.018	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.016

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	McCone	94.254	94.486	0.232	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.155
Steele City	MT	McCone	94.486	94.684	0.197	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.179
Steele City	MT	McCone	94.684	94.772	0.089	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.059
Steele City	MT	McCone	94.772	94.878	0.106	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.096
Steele City	MT	McCone	94.878	95.050	0.172	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.115
Steele City	MT	McCone	95.050	95.366	0.316	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.288
Steele City	MT	McCone	95.366	95.613	0.246	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.086
Steele City	MT	McCone	95.613	95.662	0.050	MT055	Hillon loam, 8 to 15 percent slopes	0.050
Steele City	MT	McCone	95.662	95.793	0.131	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.046
Steele City	MT	McCone	95.793	95.931	0.137	MT055	Hillon loam, 8 to 15 percent slopes	0.137
Steele City	MT	McCone	95.931	96.048	0.117	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.018
Steele City	MT	McCone	96.048	96.419	0.371	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.130
Steele City	MT	McCone	96.419	96.554	0.136	MT055	Busby fine sandy loam, 8 to 15 percent slopes	0.008
Steele City	MT	McCone	96.554	96.611	0.057	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.009
Steele City	MT	McCone	96.611	96.761	0.150	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.137
Steele City	MT	McCone	96.761	96.887	0.125	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.044
Steele City	MT	McCone	96.887	96.986	0.099	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.090
Steele City	MT	McCone	96.986	97.020	0.035	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.023
Steele City	MT	McCone	97.020	97.297	0.277	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.252
Steele City	MT	McCone	97.297	97.546	0.249	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.167
Steele City	MT	McCone	97.546	97.672	0.127	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.123
Steele City	MT	McCone	97.672	97.860	0.187	MT055	Kremlin loam, 0 to 4 percent slopes	0.178
Steele City	MT	McCone	97.860	97.970	0.110	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.074
Steele City	MT	McCone	97.970	98.032	0.062	MT055	Sunburst clay loam, 2 to 8 percent slopes	0.060
Steele City	MT	McCone	98.032	98.107	0.075	MT055	Yamac-Twilight complex, 2 to 8 percent slopes	0.045
Steele City	MT	McCone	98.107	98.239	0.131	MT055	Yamacall loam, 4 to 8 percent slopes	0.125
Steele City	MT	McCone	98.239	98.295	0.056	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.008
Steele City	MT	McCone	98.295	98.480	0.185	MT055	Yamacall loam, 4 to 8 percent slopes	0.176
Steele City	MT	McCone	98.480	98.680	0.199	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.030
Steele City	MT	McCone	98.680	98.875	0.195	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.068
Steele City	MT	McCone	98.875	99.021	0.146	MT055	Yamac loam, 8 to 15 percent slopes	0.136
Steele City	MT	McCone	99.021	99.195	0.174	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.026
Steele City	MT	McCone	99.195	99.323	0.128	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.055
Steele City	MT	McCone	99.323	99.327	0.004	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.004
Steele City	MT	McCone	99.327	99.383	0.056	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.024
Steele City	MT	McCone	99.383	99.468	0.084	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.013
Steele City	MT	McCone	99.468	99.503	0.035	MT055	Yamacall loam, 4 to 8 percent slopes	0.033
Steele City	MT	McCone	99.503	99.636	0.133	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.020
Steele City	MT	McCone	99.636	99.690	0.054	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.023
Steele City	MT	McCone	99.690	99.747	0.057	MT055	Rominell loam, 0 to 8 percent slopes	0.056
Steele City	MT	McCone	99.747	99.965	0.218	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.094
Steele City	MT	McCone	99.965	100.149	0.184	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.179
Steele City	MT	McCone	100.149	100.219	0.070	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.006
Steele City	MT	McCone	100.219	100.265	0.046	MT055	Kremlin loam, 0 to 4 percent slopes	0.044
Steele City	MT	McCone	100.265	100.308	0.042	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.041
Steele City	MT	McCone	100.308	100.334	0.026	MT055	Kremlin loam, 0 to 4 percent slopes	0.025
Steele City	MT	McCone	100.334	100.569	0.235	MT055	Telstad-Hillon loams, 2 to 8 percent slopes	0.235
Steele City	MT	McCone	100.569	100.641	0.072	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.025
Steele City	MT	McCone	100.641	100.760	0.119	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.080
Steele City	MT	McCone	100.760	100.863	0.103	MT055	Telstad loam, 2 to 8 percent slopes	0.103
Steele City	MT	McCone	100.863	101.071	0.209	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.140
Steele City	MT	McCone	101.071	101.252	0.181	MT055	Gerdrum-Yawdim-Fleak complex, 8 to 45 percent slopes	0.128
Steele City	MT	McCone	101.252	101.293	0.041	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.014
Steele City	MT	McCone	101.293	101.294	0.001	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.001
Steele City	MT	McCone	101.294	101.476	0.182	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.122
Steele City	MT	McCone	101.476	101.591	0.115	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.112
Steele City	MT	McCone	101.591	101.637	0.046	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.046
Steele City	MT	McCone	101.637	101.699	0.062	MT055	Hillon-Yamac-Fleak complex, 15 to 45 percent slopes	0.042
Steele City	MT	McCone	101.699	101.770	0.071	MT055	Evanston loam, 2 to 8 percent slopes	0.071
Steele City	MT	McCone	101.770	101.948	0.178	MT055	Creed-Gerdrum complex, 0 to 8 percent slopes	0.173
Steele City	MT	McCone	101.948	102.181	0.233	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.233
Steele City	MT	McCone	102.181	102.252	0.071	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.025
Steele City	MT	McCone	102.252	102.363	0.111	MT055	Rominell loam, 0 to 8 percent slopes	0.109
Steele City	MT	McCone	102.363	102.410	0.046	MT055	Chinook fine sandy loam, 0 to 4 percent slopes	0.005
Steele City	MT	McCone	102.410	102.460	0.051	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.037
Steele City	MT	McCone	102.460	102.490	0.029	MT055	Busby-Yetull fine sandy loams, 2 to 8 percent slopes	0.001
Steele City	MT	McCone	102.490	102.527	0.037	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.027
Steele City	MT	McCone	102.527	102.686	0.159	MT055	Busby-Yetull fine sandy loams, 2 to 8 percent slopes	0.005
Steele City	MT	McCone	102.686	102.817	0.131	MT055	Busby fine sandy loam, 2 to 8 percent slopes	0.012
Steele City	MT	McCone	102.817	102.865	0.048	MT055	Busby-Yetull fine sandy loams, 2 to 8 percent slopes	0.001
Steele City	MT	McCone	102.865	102.913	0.047	MT055	Rominell loam, gullied, 0 to 8 percent slopes	0.046
Steele City	MT	McCone	102.913	103.105	0.193	MT055	Busby-Yetull fine sandy loams, 2 to 8 percent slopes	0.006
Steele City	MT	McCone	103.105	103.150	0.044	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.043

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	McCone	103.150	103.335	0.185	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.185
Steele City	MT	McCone	103.335	103.371	0.037	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.035
Steele City	MT	McCone	103.371	103.443	0.072	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.072
Steele City	MT	McCone	103.443	103.835	0.392	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.377
Steele City	MT	McCone	103.835	103.892	0.057	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.057
Steele City	MT	McCone	103.892	104.070	0.178	MT055	Hillon loam, 15 to 45 percent slopes	0.173
Steele City	MT	McCone	104.070	104.218	0.149	MT055	Telstad-Hillon loams, 2 to 8 percent slopes	0.149
Steele City	MT	McCone	104.218	104.249	0.030	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.030
Steele City	MT	McCone	104.249	104.296	0.048	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.046
Steele City	MT	McCone	104.296	104.438	0.141	MT055	Telstad loam, 2 to 8 percent slopes	0.141
Steele City	MT	McCone	104.438	104.542	0.104	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.104
Steele City	MT	McCone	104.542	104.594	0.052	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.004
Steele City	MT	McCone	104.594	104.708	0.114	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.114
Steele City	MT	McCone	104.708	104.832	0.124	MT055	Ethridge silty clay loam, 4 to 8 percent slopes	0.124
Steele City	MT	McCone	104.832	105.261	0.430	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.430
Steele City	MT	McCone	105.261	105.365	0.104	MT055	Ustic torriorthents-Ustic torrifluvents association	0.016
Steele City	MT	McCone	105.365	105.379	0.014	MT055	Ethridge silty clay loam, 4 to 8 percent slopes	0.014
Steele City	MT	McCone	105.379	105.508	0.129	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.129
Steele City	MT	McCone	105.508	105.518	0.010	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.010
Steele City	MT	McCone	105.518	105.571	0.053	MT055	Ethridge silty clay loam, 4 to 8 percent slopes	0.053
Steele City	MT	McCone	105.571	105.697	0.126	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.126
Steele City	MT	McCone	105.697	105.749	0.052	MT055	Ethridge silty clay loam, 4 to 8 percent slopes	0.052
Steele City	MT	McCone	105.749	105.883	0.134	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.129
Steele City	MT	McCone	105.883	106.102	0.219	MT055	Ethridge silty clay loam, 4 to 8 percent slopes	0.219
Steele City	MT	McCone	106.102	106.248	0.146	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.140
Steele City	MT	McCone	106.248	106.486	0.238	MT055	Yawdim-Badland-Gerdrum association	0.148
Steele City	MT	McCone	106.486	106.607	0.121	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.010
Steele City	MT	McCone	106.607	106.687	0.080	MT055	Ustic torriorthents-Ustic torrifluvents association	0.012
Steele City	MT	McCone	106.687	106.841	0.154	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.054
Steele City	MT	McCone	106.841	106.889	0.049	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.049
Steele City	MT	McCone	106.889	106.977	0.088	MT055	Creed loam, 0 to 8 percent slopes	0.086
Steele City	MT	McCone	106.977	107.062	0.084	MT055	Telstad-Hillon loams, 2 to 8 percent slopes	0.084
Steele City	MT	McCone	107.062	107.441	0.379	MT055	Creed loam, 0 to 8 percent slopes	0.372
Steele City	MT	McCone	107.441	107.509	0.068	MT055	Ustic torriorthents-Ustic torrifluvents association	0.010
Steele City	MT	McCone	107.509	107.705	0.196	MT055	Creed loam, 0 to 8 percent slopes	0.192
Steele City	MT	McCone	107.705	108.220	0.515	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.515
Steele City	MT	McCone	108.220	108.606	0.386	MT055	Havre silt loam	0.386
Steele City	MT	McCone	108.606	108.665	0.058	MT055	Yawdim-Badland-Gerdrum association	0.036
Steele City	MT	McCone	108.665	108.730	0.065	MT055	Benz clay loam, 0 to 8 percent slopes	0.064
Steele City	MT	McCone	108.730	108.781	0.050	MT055	Chinook fine sandy loam, 0 to 4 percent slopes	0.005
Steele City	MT	McCone	108.781	108.806	0.026	MT055	Badland	0.004
Steele City	MT	McCone	108.806	108.906	0.099	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.099
Steele City	MT	McCone	108.906	108.967	0.061	MT055	Rominell loam, gullied, 0 to 8 percent slopes	0.059
Steele City	MT	McCone	108.967	109.075	0.109	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.109
Steele City	MT	McCone	109.075	109.156	0.081	MT055	Kremlin loam, 0 to 4 percent slopes	0.077
Steele City	MT	McCone	109.156	109.231	0.074	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.074
Steele City	MT	McCone	109.231	109.354	0.123	MT055	Busby-Twilight fine sandy loams, 2 to 8 percent slopes	0.007
Steele City	MT	McCone	109.354	109.458	0.104	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.008
Steele City	MT	McCone	109.458	109.550	0.092	MT055	Busby-Twilight fine sandy loams, 2 to 8 percent slopes	0.006
Steele City	MT	McCone	109.550	109.620	0.070	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.070
Steele City	MT	McCone	109.620	109.785	0.165	MT055	Busby-Twilight fine sandy loams, 2 to 8 percent slopes	0.010
Steele City	MT	McCone	109.785	109.826	0.041	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.041
Steele City	MT	McCone	109.826	109.918	0.092	MT055	Busby-Twilight fine sandy loams, 2 to 8 percent slopes	0.006
Steele City	MT	McCone	109.918	109.985	0.067	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.067
Steele City	MT	McCone	109.985	110.047	0.062	MT055	Busby-Twilight fine sandy loams, 2 to 8 percent slopes	0.004
Steele City	MT	McCone	110.047	110.372	0.325	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.026
Steele City	MT	McCone	110.372	110.506	0.135	MT055	Glendive loam	0.129
Steele City	MT	McCone	110.506	110.617	0.110	MT055	Lonna silty clay loam, 0 to 4 percent slopes	0.110
Steele City	MT	McCone	110.617	110.658	0.042	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.003
Steele City	MT	McCone	110.658	110.710	0.051	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.018
Steele City	MT	McCone	110.710	110.752	0.043	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.003
Steele City	MT	McCone	110.752	110.803	0.051	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.018
Steele City	MT	McCone	110.803	110.842	0.038	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.003
Steele City	MT	McCone	110.842	110.974	0.132	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.046
Steele City	MT	McCone	110.974	111.049	0.075	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.006
Steele City	MT	McCone	111.049	111.156	0.108	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.108
Steele City	MT	McCone	111.156	111.220	0.064	MT055	Kremlin loam, 0 to 4 percent slopes	0.061
Steele City	MT	McCone	111.220	111.330	0.110	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.110
Steele City	MT	McCone	111.330	111.366	0.036	MT055	Typic Ustifluvents, saline	0.004
Steele City	MT	McCone	111.366	111.376	0.010	MT055	Ustic torriorthents-Ustic torrifluvents association	0.001
Steele City	MT	McCone	111.376	111.415	0.039	MT055	Yamac loam, 0 to 4 percent slopes	0.037
Steele City	MT	McCone	111.415	111.524	0.109	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.104
Steele City	MT	McCone	111.524	111.567	0.044	MT055	Rominell loam, 0 to 8 percent slopes	0.043

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	McCone	111.567	111.630	0.063	MT055	Rominell loam, gullied, 0 to 8 percent slopes	0.061
Steele City	MT	McCone	111.630	111.693	0.063	MT055	Chinook fine sandy loam, 8 to 15 percent slopes	0.004
Steele City	MT	McCone	111.693	111.801	0.108	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.108
Steele City	MT	McCone	111.801	111.887	0.086	MT055	Rominell loam, gullied, 0 to 8 percent slopes	0.083
Steele City	MT	McCone	111.887	111.968	0.081	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.081
Steele City	MT	McCone	111.968	112.178	0.210	MT055	Rominell loam, gullied, 0 to 8 percent slopes	0.204
Steele City	MT	McCone	112.178	112.339	0.161	MT055	Badland	0.024
Steele City	MT	McCone	112.339	112.465	0.126	MT055	Rominell loam, gullied, 0 to 8 percent slopes	0.122
Steele City	MT	McCone	112.465	112.508	0.043	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.006
Steele City	MT	McCone	112.508	112.675	0.167	MT055	Yawdim-Badland-Cabbart association	0.109
Steele City	MT	McCone	112.675	112.712	0.038	MT055	Yamac loam, 8 to 15 percent slopes	0.035
Steele City	MT	McCone	112.712	112.817	0.104	MT055	Creed loam, 0 to 8 percent slopes	0.102
Steele City	MT	McCone	112.817	112.887	0.070	MT055	Yamac loam, 8 to 15 percent slopes	0.065
Steele City	MT	McCone	112.887	113.029	0.142	MT055	Creed loam, 0 to 8 percent slopes	0.139
Steele City	MT	McCone	113.029	113.084	0.055	MT055	Rominell-Yamac loams, 4 to 15 percent slopes	0.051
Steele City	MT	McCone	113.084	113.199	0.114	MT055	Rominell loam, 0 to 8 percent slopes	0.112
Steele City	MT	McCone	113.199	113.290	0.092	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.092
Steele City	MT	McCone	113.290	113.427	0.137	MT055	Hillon loam, 15 to 45 percent slopes	0.133
Steele City	MT	McCone	113.427	113.678	0.251	MT055	Hillon loam, 2 to 8 percent slopes	0.251
Steele City	MT	McCone	113.678	113.717	0.039	MT055	Yamacall loam, 4 to 8 percent slopes	0.037
Steele City	MT	McCone	113.717	113.785	0.068	MT055	Ustic torriorthents-Ustic torrifluvents association	0.010
Steele City	MT	McCone	113.785	113.895	0.110	MT055	Twilight-Yetull fine sandy loams, 8 to 15 percent slopes	0.019
Steele City	MT	McCone	113.895	113.945	0.050	MT055	Cabbart-Yawdim complex, 15 to 45 percent slopes	0.043
Steele City	MT	McCone	113.945	114.002	0.057	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.054
Steele City	MT	McCone	114.002	114.043	0.042	MT055	Cabbart-Yawdim complex, 15 to 45 percent slopes	0.036
Steele City	MT	McCone	114.043	114.076	0.033	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	0.022
Steele City	MT	McCone	114.076	114.099	0.023	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.023
Steele City	MT	McCone	114.099	114.152	0.053	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.051
Steele City	MT	McCone	114.152	114.213	0.061	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.061
Steele City	MT	McCone	114.213	114.291	0.078	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.057
Steele City	MT	McCone	114.291	114.383	0.092	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.092
Steele City	MT	McCone	114.383	114.795	0.412	MT055	Chinook fine sandy loam, gullied, 2 to 8 percent slopes	0.025
Steele City	MT	McCone	114.795	114.883	0.088	MT055	Yamac loam, 0 to 4 percent slopes	0.083
Steele City	MT	McCone	114.883	115.002	0.119	MT055	Badland	0.018
Steele City	MT	McCone	115.002	115.103	0.101	MT055	Benz clay loam, 0 to 8 percent slopes	0.099
Steele City	MT	McCone	115.103	115.384	0.280	MT055	Rominell loam, 0 to 8 percent slopes	0.275
Steele City	MT	McCone	115.384	115.397	0.013	MT055	Absher clay loam, 8 to 15 percent slopes	0.013
Steele City	MT	McCone	115.397	115.446	0.049	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.049
Steele City	MT	McCone	115.446	115.550	0.104	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.076
Steele City	MT	McCone	115.550	115.583	0.033	MT055	Ustic torriorthents-Ustic torrifluvents association	0.005
Steele City	MT	McCone	115.583	115.629	0.046	MT055	Hillon loam, 2 to 8 percent slopes	0.046
Steele City	MT	McCone	115.629	115.710	0.081	MT055	Yawdim silty clay, 2 to 8 percent slopes	0.079
Steele City	MT	McCone	115.710	115.827	0.117	MT055	Kremlin loam, 0 to 4 percent slopes	0.111
Steele City	MT	McCone	115.827	116.099	0.272	MT055	Rominell loam, 0 to 8 percent slopes	0.267
Steele City	MT	McCone	116.099	116.257	0.158	MT055	Yawdim-Badland-Gerdrum association	0.098
Steele City	MT	McCone	116.257	116.491	0.233	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.082
Steele City	MT	McCone	116.491	116.539	0.049	MT055	Weingart clay, 2 to 8 percent slopes	0.049
Steele City	MT	McCone	116.539	116.591	0.052	MT055	Badland	0.008
Steele City	MT	McCone	116.591	116.624	0.033	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.032
Steele City	MT	McCone	116.624	116.743	0.119	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.119
Steele City	MT	McCone	116.743	116.809	0.066	MT055	Hillon loam, 2 to 8 percent slopes	0.066
Steele City	MT	McCone	116.809	117.024	0.215	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.103
Steele City	MT	McCone	117.024	117.131	0.107	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.046
Steele City	MT	McCone	117.131	117.193	0.062	MT055	Telstad-Hillon loams, 2 to 8 percent slopes	0.062
Steele City	MT	McCone	117.193	117.266	0.073	MT055	Hillon loam, 8 to 15 percent slopes	0.073
Steele City	MT	McCone	117.266	117.359	0.093	MT055	Thoeny loam, 2 to 8 percent slopes	0.093
Steele City	MT	McCone	117.359	117.400	0.042	MT055	Yawdim-Kirby complex, 8 to 35 percent slopes	0.025
Steele City	MT	McCone	117.400	117.599	0.199	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.191
Steele City	MT	McCone	117.599	117.636	0.037	MT055	Telstad loam, 2 to 8 percent slopes	0.037
Steele City	MT	McCone	117.636	117.741	0.105	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.101
Steele City	MT	McCone	117.741	117.783	0.042	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.041
Steele City	MT	McCone	117.783	117.852	0.068	MT055	Cambeth silt loam, 2 to 8 percent slopes	0.066
Steele City	MT	McCone	117.852	118.205	0.354	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.340
Steele City	MT	McCone	118.205	118.286	0.081	MT055	Gerdrum-Yawdim-Fleak complex, 8 to 45 percent slopes	0.057
Steele City	MT	McCone	118.286	118.396	0.110	MT055	Typic Fluvaquents, saline	0.009
Steele City	MT	McCone	118.396	118.525	0.129	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	0.087
Steele City	MT	McCone	118.525	118.554	0.029	MT055	Yawdim silty clay, 2 to 8 percent slopes	0.028
Steele City	MT	McCone	118.554	118.578	0.023	MT055	Typic Fluvaquents, saline	0.002
Steele City	MT	McCone	118.578	118.740	0.163	MT055	Yawdim silty clay, 2 to 8 percent slopes	0.158
Steele City	MT	McCone	118.740	119.086	0.345	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.331
Steele City	MT	McCone	119.086	119.158	0.073	MT055	Ustic torriorthents-Ustic torrifluvents association	0.011
Steele City	MT	McCone	119.158	119.213	0.055	MT055	Kremlin loam, 0 to 4 percent slopes	0.052
Steele City	MT	McCone	119.213	119.280	0.067	MT055	Havre silt loam	0.067

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	McCone	119.280	119.393	0.113	MT055	Weingart clay, 2 to 8 percent slopes	0.113
Steele City	MT	McCone	119.393	119.593	0.200	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.200
Steele City	MT	McCone	119.593	119.635	0.042	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.041
Steele City	MT	McCone	119.635	119.923	0.287	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	0.193
Steele City	MT	McCone	119.923	119.987	0.064	MT055	Cabbart-Badland complex, 15 to 45 percent slopes	0.033
Steele City	MT	McCone	119.987	120.074	0.087	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.042
Steele City	MT	McCone	120.074	120.145	0.071	MT055	Cabbart-Badland complex, 15 to 45 percent slopes	0.037
Steele City	MT	McCone	120.145	120.187	0.042	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.006
Steele City	MT	McCone	120.187	120.268	0.081	MT055	Cabbart-Badland complex, 15 to 45 percent slopes	0.042
Steele City	MT	McCone	120.268	120.323	0.055	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.027
Steele City	MT	McCone	120.323	120.448	0.125	MT055	Rominell-Yamac loams, 4 to 15 percent slopes	0.115
Steele City	MT	McCone	120.448	120.576	0.128	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.062
Steele City	MT	McCone	120.576	120.594	0.017	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.017
Steele City	MT	McCone	120.594	120.666	0.073	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.035
Steele City	MT	McCone	120.666	120.707	0.040	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	0.027
Steele City	MT	McCone	120.707	120.785	0.078	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.078
Steele City	MT	McCone	120.785	120.828	0.043	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.042
Steele City	MT	McCone	120.828	120.890	0.062	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.030
Steele City	MT	McCone	120.890	120.933	0.044	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.043
Steele City	MT	McCone	120.933	121.064	0.131	MT055	Creed-Gerdrum complex, 0 to 8 percent slopes	0.127
Steele City	MT	McCone	121.064	121.085	0.021	MT055	Yawdim silty clay, 2 to 8 percent slopes	0.020
Steele City	MT	McCone	121.085	121.213	0.128	MT055	Busby-Twilight-Fleak complex, 8 to 15 percent slopes	0.010
Steele City	MT	McCone	121.213	121.319	0.106	MT055	Ethridge silty clay loam, 0 to 4 percent slopes	0.106
Steele City	MT	McCone	121.319	121.425	0.106	MT055	Floweree silt loam, 0 to 4 percent slopes	0.103
Steele City	MT	McCone	121.425	122.072	0.647	MT055	Ethridge silty clay loam, 0 to 4 percent slopes	0.647
Steele City	MT	McCone	122.072	122.249	0.176	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.176
Steele City	MT	McCone	122.249	122.358	0.109	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.080
Steele City	MT	McCone	122.358	122.442	0.084	MT055	Evanston loam, 0 to 2 percent slopes	0.084
Steele City	MT	McCone	122.442	122.455	0.013	MT055	Floweree silt loam, 0 to 4 percent slopes	0.013
Steele City	MT	McCone	122.455	122.553	0.098	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.098
Steele City	MT	McCone	122.553	122.656	0.103	MT055	Rominell-Yamac loams, 4 to 15 percent slopes	0.095
Steele City	MT	McCone	122.656	122.711	0.055	MT055	Floweree silt loam, 0 to 4 percent slopes	0.054
Steele City	MT	McCone	122.711	122.758	0.047	MT055	Marias clay	0.047
Steele City	MT	McCone	122.758	122.787	0.028	MT055	Floweree silt loam, 0 to 4 percent slopes	0.028
Steele City	MT	McCone	122.787	122.881	0.094	MT055	Lonna silty clay loam, 0 to 4 percent slopes	0.094
Steele City	MT	McCone	122.881	122.886	0.005	MT055	Ethridge silty clay loam, 0 to 4 percent slopes	0.005
Steele City	MT	McCone	122.886	122.994	0.108	MT055	Alona silt loam, 0 to 8 percent slopes	0.108
Steele City	MT	McCone	122.994	123.094	0.100	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.073
Steele City	MT	McCone	123.094	123.226	0.132	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.132
Steele City	MT	McCone	123.226	123.304	0.078	MT055	Cambeth silt loam, 2 to 8 percent slopes	0.076
Steele City	MT	McCone	123.304	123.575	0.271	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.260
Steele City	MT	McCone	123.575	123.585	0.010	MT055	Evanston-Gerdrum complex, 2 to 8 percent slopes	0.010
Steele City	MT	McCone	123.585	123.937	0.351	MT055	Kremlin loam, 4 to 8 percent slopes	0.341
Steele City	MT	McCone	123.937	124.005	0.068	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.065
Steele City	MT	McCone	124.005	124.065	0.060	MT055	Kremlin loam, 4 to 8 percent slopes	0.058
Steele City	MT	McCone	124.065	124.283	0.218	MT055	Cabbart-Yawdim complex, 4 to 15 percent slopes	0.209
Steele City	MT	McCone	124.283	124.428	0.145	MT055	Floweree silt loam, 4 to 8 percent slopes	0.142
Steele City	MT	McCone	124.428	124.462	0.034	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.033
Steele City	MT	McCone	124.462	124.536	0.074	MT055	Ustic torriorthents-Ustic torrifluvents association	0.011
Steele City	MT	McCone	124.536	124.542	0.006	MT055	Floweree silt loam, 0 to 4 percent slopes	0.006
Steele City	MT	McCone	124.542	124.720	0.177	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.174
Steele City	MT	McCone	124.720	124.820	0.100	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	0.094
Steele City	MT	McCone	124.820	124.975	0.155	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.152
Steele City	MT	McCone	124.975	125.073	0.098	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	0.092
Steele City	MT	McCone	125.073	125.409	0.335	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.329
Steele City	MT	McCone	125.409	125.513	0.105	MT055	Floweree silt loam, 0 to 4 percent slopes	0.101
Steele City	MT	McCone	125.513	125.921	0.408	MT055	Cabbart-Twilight complex, 15 to 45 percent slopes	0.196
Steele City	MT	McCone	125.921	126.053	0.131	MT055	Floweree silt loam, 0 to 4 percent slopes	0.127
Steele City	MT	McCone	126.053	126.132	0.080	MT055	Lonna-Havre-Glendive complex, 0 to 2 percent slopes	0.058
Steele City	MT	McCone	126.132	126.187	0.055	MT055	Ustic torriorthents-Ustic torrifluvents association	0.008
Steele City	MT	McCone	126.187	126.584	0.397	MT055	Floweree silt loam, 0 to 4 percent slopes	0.385
Steele City	MT	McCone	126.584	126.777	0.193	MT055	Cabbart silt loam, 15 to 25 percent slopes	0.176
Steele City	MT	McCone	126.777	126.871	0.094	MT055	Alona silt loam, 0 to 8 percent slopes	0.094
Steele City	MT	McCone	126.871	127.014	0.143	MT055	Lonna silty clay loam, 0 to 4 percent slopes	0.143
Steele City	MT	McCone	127.014	127.094	0.080	MT055	Cabbart silt loam, 15 to 25 percent slopes	0.073
Steele City	MT	McCone	127.094	127.179	0.085	MT055	Floweree silt loam, 0 to 4 percent slopes	0.083
Steele City	MT	McCone	127.179	127.253	0.073	MT055	Alona silt loam, 0 to 8 percent slopes	0.073
Steele City	MT	McCone	127.253	127.352	0.099	MT055	Floweree silt loam, 0 to 4 percent slopes	0.096
Steele City	MT	McCone	127.352	127.402	0.051	MT055	Alona silt loam, 0 to 8 percent slopes	0.051
Steele City	MT	McCone	127.402	127.493	0.091	MT055	Floweree silt loam, 0 to 4 percent slopes	0.088
Steele City	MT	McCone	127.493	127.501	0.008	MT055	Gerdrum-Absher clay loams, 0 to 8 percent slopes	0.007
Steele City	MT	McCone	127.501	127.549	0.048	MT055	Cabbart-Badland complex, 15 to 45 percent slopes	0.025
Steele City	MT	McCone	127.549	127.730	0.182	MT055	Alona silt loam, saline, 0 to 2 percent slopes	0.182

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	McCone	127.730	127.811	0.081	MT055	Floweree silt loam, 0 to 4 percent slopes	0.078
Steele City	MT	McCone	127.811	127.879	0.067	MT055	Kremlin loam, 4 to 8 percent slopes	0.065
Steele City	MT	McCone	127.879	128.054	0.175	MT055	Floweree silt loam, 0 to 4 percent slopes	0.170
Steele City	MT	McCone	128.054	128.117	0.063	MT055	Cambeth silt loam, 2 to 8 percent slopes	0.061
Steele City	MT	McCone	128.117	128.183	0.066	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	0.044
Steele City	MT	McCone	128.183	128.213	0.030	MT055	Floweree silt loam, 0 to 4 percent slopes	0.029
Steele City	MT	McCone	128.213	128.270	0.057	MT055	Cabbart silt loam, 15 to 25 percent slopes	0.052
Steele City	MT	McCone	128.270	128.270	0.000	MT055	Lonna silty clay loam, 0 to 4 percent slopes	0.000
Steele City	MT	McCone	128.270	128.451	0.181	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.027
Steele City	MT	McCone	128.451	128.550	0.099	MT055	Cambeth-Twilight-Cabbart complex, 4 to 15 percent slopes	0.066
Steele City	MT	McCone	128.550	128.727	0.176	MT055	Alona silt loam, 0 to 8 percent slopes	0.176
Steele City	MT	McCone	128.727	128.837	0.111	MT055	Cambeth silt loam, 2 to 8 percent slopes	0.107
Steele City	MT	McCone	128.837	128.895	0.057	MT055	Cabbart-Kirby complex, 8 to 45 percent slopes	0.037
Steele City	MT	McCone	128.895	128.918	0.023	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	0.022
Steele City	MT	McCone	128.918	128.957	0.039	MT055	Cabbart-Kirby complex, 8 to 45 percent slopes	0.025
Steele City	MT	McCone	128.957	129.017	0.061	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	0.057
Steele City	MT	McCone	129.017	129.028	0.011	MT055	Cabbart-Kirby complex, 8 to 45 percent slopes	0.007
Steele City	MT	McCone	129.028	129.063	0.034	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.005
Steele City	MT	McCone	129.063	129.179	0.117	MT055	Busby fine sandy loam, 2 to 8 percent slopes	0.010
Steele City	MT	McCone	129.179	129.472	0.293	MT055	Kremlin loam, 4 to 8 percent slopes	0.284
Steele City	MT	McCone	129.472	129.571	0.099	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.097
Steele City	MT	McCone	129.571	129.610	0.039	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	0.036
Steele City	MT	McCone	129.610	129.878	0.268	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.263
Steele City	MT	McCone	129.878	130.119	0.241	MT055	Cambeth silt loam, 2 to 8 percent slopes	0.234
Steele City	MT	McCone	130.119	130.241	0.122	MT055	Floweree silt loam, 4 to 8 percent slopes	0.120
Steele City	MT	McCone	130.241	130.296	0.055	MT055	Yamacall loam, 4 to 8 percent slopes	0.052
Steele City	MT	McCone	130.296	130.469	0.173	MT055	Floweree silt loam, 4 to 8 percent slopes	0.170
Steele City	MT	McCone	130.469	130.524	0.055	MT055	Yamac-Twilight-Fleak complex, 8 to 15 percent slopes	0.024
Steele City	MT	McCone	130.524	130.790	0.266	MT055	Floweree silt loam, 0 to 4 percent slopes	0.258
Steele City	MT	McCone	130.790	130.871	0.081	MT055	Cabbart silt loam, 15 to 25 percent slopes	0.074
Steele City	MT	McCone	130.871	130.979	0.108	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.106
Steele City	MT	McCone	130.979	131.099	0.120	MT055	Cambeth-Cabbart silt loams, 8 to 15 percent slopes	0.113
Steele City	MT	McCone	131.099	131.198	0.099	MT055	Floweree silt loam, 0 to 4 percent slopes	0.096
Steele City	MT	McCone	131.198	131.255	0.057	MT055	Cabbart silt loam, 15 to 25 percent slopes	0.052
Steele City	MT	McCone	131.255	131.331	0.075	MT055	Yamacall loam, 4 to 8 percent slopes	0.072
Steele City	MT	McCone	131.331	131.400	0.069	MT055	Yamac loam, 8 to 15 percent slopes	0.064
Steele City	MT	McCone	131.400	131.572	0.172	MT055	Yamacall loam, 4 to 8 percent slopes	0.163
Steele City	MT	McCone	131.572	131.680	0.109	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.106
Steele City	MT	McCone	131.680	131.750	0.069	MT055	Yamacall loam, 4 to 8 percent slopes	0.066
Steele City	MT	McCone	131.750	131.793	0.043	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.043
Steele City	MT	McCone	131.793	131.873	0.080	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.055
Steele City	MT	McCone	131.873	131.942	0.069	MT055	Shambo-Cambert loams, 2 to 8 percent slopes	0.068
Steele City	MT	McCone	131.942	132.044	0.102	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.096
Steele City	MT	McCone	132.044	132.170	0.126	MT055	Shambo-Cambert loams, 2 to 8 percent slopes	0.123
Steele City	MT	McCone	132.170	132.300	0.130	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.126
Steele City	MT	McCone	132.300	132.345	0.045	MT055	Cambert loam, 2 to 8 percent slopes	0.044
Steele City	MT	McCone	132.345	132.373	0.027	MT055	Cabba loam, 15 to 25 percent slopes	0.025
Steele City	MT	McCone	132.373	132.477	0.105	MT055	Cambert loam, 2 to 8 percent slopes	0.100
Steele City	MT	McCone	132.477	132.663	0.185	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.180
Steele City	MT	McCone	132.663	132.756	0.094	MT055	Cambert loam, 2 to 8 percent slopes	0.090
Steele City	MT	McCone	132.756	133.370	0.614	MT055	Bryant silt loam, 0 to 4 percent slopes	0.614
Steele City	MT	McCone	133.370	133.531	0.161	MT055	Cherry silt loam, 0 to 4 percent slopes	0.161
Steele City	MT	McCone	133.531	133.588	0.057	MT055	Cambert loam, 2 to 8 percent slopes	0.055
Steele City	MT	McCone	133.588	133.713	0.125	MT055	Bryant silt loam, 0 to 4 percent slopes	0.125
Steele City	MT	McCone	133.713	133.771	0.058	MT055	Barkof silty clay, 2 to 8 percent slopes	0.055
Steele City	MT	McCone	133.771	134.047	0.276	MT055	Cambert loam, 2 to 8 percent slopes	0.265
Steele City	MT	McCone	134.047	134.289	0.241	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.234
Steele City	MT	McCone	134.289	134.377	0.088	MT055	Bryant silt loam, 0 to 4 percent slopes	0.088
Steele City	MT	McCone	134.377	134.427	0.050	MT055	Typic Ustorthents-Typic Ustifluvents association	0.006
Steele City	MT	McCone	134.427	134.673	0.246	MT055	Cambert loam, 2 to 8 percent slopes	0.236
Steele City	MT	McCone	134.673	134.842	0.169	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.164
Steele City	MT	McCone	134.842	134.963	0.122	MT055	Cambert loam, 2 to 8 percent slopes	0.117
Steele City	MT	McCone	134.963	135.015	0.052	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.051
Steele City	MT	McCone	135.015	135.097	0.081	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.076
Steele City	MT	McCone	135.097	135.247	0.150	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.146
Steele City	MT	McCone	135.247	135.266	0.019	MT055	Cambert loam, 2 to 8 percent slopes	0.019
Steele City	MT	McCone	135.266	135.334	0.068	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.066
Steele City	MT	McCone	135.334	135.372	0.038	MT055	Bryant silt loam, 0 to 4 percent slopes	0.038
Steele City	MT	McCone	135.372	135.436	0.063	MT055	Typic Ustorthents-Typic Ustifluvents association	0.007
Steele City	MT	McCone	135.436	135.726	0.290	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.282
Steele City	MT	McCone	135.726	135.986	0.260	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.179
Steele City	MT	McCone	135.986	136.109	0.123	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.119
Steele City	MT	McCone	136.109	136.183	0.074	MT055	Bryant silt loam, 0 to 4 percent slopes	0.074

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	McCone	136.183	136.225	0.042	MT055	Cherry silt loam, 0 to 4 percent slopes	0.042
Steele City	MT	McCone	136.225	136.292	0.067	MT055	Typic Ustorthents-Typic Ustifluvents association	0.007
Steele City	MT	McCone	136.292	136.458	0.166	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.161
Steele City	MT	McCone	136.458	136.649	0.191	MT055	Cambert-Barkof-Cabba complex, 4 to 15 percent slopes	0.184
Steele City	MT	McCone	136.649	136.817	0.168	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.163
Steele City	MT	McCone	136.817	136.953	0.136	MT055	Cambert-Barkof-Cabba complex, 4 to 15 percent slopes	0.131
Steele City	MT	McCone	136.953	137.029	0.076	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.074
Steele City	MT	McCone	137.029	137.204	0.175	MT055	Cambert loam, 2 to 8 percent slopes	0.168
Steele City	MT	McCone	137.204	137.252	0.047	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.046
Steele City	MT	McCone	137.252	137.384	0.132	MT055	Cambert loam, 2 to 8 percent slopes	0.127
Steele City	MT	McCone	137.384	137.637	0.253	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.245
Steele City	MT	McCone	137.637	138.012	0.375	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.259
Steele City	MT	McCone	138.012	138.155	0.142	MT055	Cambert loam, 2 to 8 percent slopes	0.137
Steele City	MT	McCone	138.155	138.268	0.114	MT055	Cherry silt loam, 0 to 4 percent slopes	0.114
Steele City	MT	McCone	138.268	138.354	0.085	MT055	Typic Ustorthents-Typic Ustifluvents association	0.009
Steele City	MT	McCone	138.354	138.420	0.067	MT055	Bryant silt loam, 0 to 4 percent slopes	0.067
Steele City	MT	McCone	138.420	138.498	0.078	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.054
Steele City	MT	McCone	138.498	138.632	0.134	MT055	Cherry silt loam, 0 to 4 percent slopes	0.134
Steele City	MT	McCone	138.632	138.705	0.073	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.050
Steele City	MT	McCone	138.705	138.761	0.056	MT055	Shambo loam, 0 to 4 percent slopes	0.055
Steele City	MT	McCone	138.761	138.796	0.035	MT055	Cherry silt loam, 0 to 4 percent slopes	0.035
Steele City	MT	McCone	138.796	138.852	0.056	MT055	Typic Ustorthents-Typic Ustifluvents association	0.006
Steele City	MT	McCone	138.852	138.869	0.017	MT055	Cherry silt loam, 0 to 4 percent slopes	0.017
Steele City	MT	McCone	138.869	139.061	0.192	MT055	Cambert loam, 2 to 8 percent slopes	0.184
Steele City	MT	McCone	139.061	139.215	0.154	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.145
Steele City	MT	McCone	139.215	139.302	0.087	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.085
Steele City	MT	McCone	139.302	139.356	0.053	MT055	Bryant silt loam, 0 to 4 percent slopes	0.053
Steele City	MT	McCone	139.356	139.404	0.048	MT055	Typic Ustorthents-Typic Ustifluvents association	0.005
Steele City	MT	McCone	139.404	139.554	0.150	MT055	Cambert loam, 2 to 8 percent slopes	0.144
Steele City	MT	McCone	139.554	139.663	0.109	MT055	Dast-Blanchard complex, 2 to 8 percent slopes	0.007
Steele City	MT	McCone	139.663	139.711	0.048	MT055	Dast fine sandy loam, 8 to 15 percent slopes	0.003
Steele City	MT	McCone	139.711	139.759	0.048	MT055	Bryant silt loam, 0 to 4 percent slopes	0.048
Steele City	MT	McCone	139.759	139.873	0.114	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.107
Steele City	MT	McCone	139.873	139.948	0.075	MT055	Bryant silt loam, 0 to 4 percent slopes	0.075
Steele City	MT	McCone	139.948	140.053	0.105	MT055	Cambert loam, 2 to 8 percent slopes	0.101
Steele City	MT	McCone	140.053	140.234	0.182	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.125
Steele City	MT	McCone	140.234	140.346	0.111	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.108
Steele City	MT	McCone	140.346	140.377	0.032	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.030
Steele City	MT	McCone	140.377	140.407	0.030	MT055	Cambert loam, 2 to 8 percent slopes	0.029
Steele City	MT	McCone	140.407	140.431	0.024	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.023
Steele City	MT	McCone	140.431	140.478	0.047	MT055	Cambert loam, 2 to 8 percent slopes	0.045
Steele City	MT	McCone	140.478	140.600	0.122	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.115
Steele City	MT	McCone	140.600	140.728	0.128	MT055	Cambert loam, 2 to 8 percent slopes	0.123
Steele City	MT	McCone	140.728	140.899	0.171	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.118
Steele City	MT	McCone	140.899	141.007	0.108	MT055	Cambert loam, 2 to 8 percent slopes	0.104
Steele City	MT	McCone	141.007	141.284	0.277	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.261
Steele City	MT	McCone	141.284	141.309	0.025	MT055	Cambert loam, 2 to 8 percent slopes	0.024
Steele City	MT	McCone	141.309	141.490	0.182	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.171
Steele City	MT	McCone	141.490	142.206	0.716	MT055	Cambert loam, 2 to 8 percent slopes	0.687
Steele City	MT	McCone	142.206	142.363	0.157	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.152
Steele City	MT	McCone	142.363	142.417	0.054	MT055	Cambert loam, 2 to 8 percent slopes	0.052
Steele City	MT	McCone	142.417	142.473	0.056	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.054
Steele City	MT	McCone	142.473	142.829	0.356	MT055	Cambert loam, 2 to 8 percent slopes	0.342
Steele City	MT	McCone	142.829	142.894	0.065	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.061
Steele City	MT	McCone	142.894	142.941	0.046	MT055	Cambert loam, 2 to 8 percent slopes	0.044
Steele City	MT	McCone	142.941	143.026	0.086	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.081
Steele City	MT	McCone	143.026	143.442	0.416	MT055	Cambert loam, 2 to 8 percent slopes	0.399
Steele City	MT	McCone	143.442	143.537	0.095	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.089
Steele City	MT	McCone	143.537	143.723	0.185	MT055	Cambert loam, 2 to 8 percent slopes	0.178
Steele City	MT	McCone	143.723	143.889	0.166	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.161
Steele City	MT	McCone	143.889	144.112	0.224	MT055	Cambert loam, 2 to 8 percent slopes	0.215
Steele City	MT	McCone	144.112	144.372	0.260	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.253
Steele City	MT	McCone	144.372	144.406	0.033	MT055	Cherry silt loam, 0 to 4 percent slopes	0.033
Steele City	MT	McCone	144.406	144.464	0.058	MT055	Cambert loam, 2 to 8 percent slopes	0.056
Steele City	MT	McCone	144.464	144.540	0.076	MT055	Cherry silt loam, 0 to 4 percent slopes	0.076
Steele City	MT	McCone	144.540	144.685	0.145	MT055	Cambert loam, 2 to 8 percent slopes	0.139
Steele City	MT	McCone	144.685	144.759	0.074	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.052
Steele City	MT	McCone	144.759	144.975	0.216	MT055	Cherry silt loam, 0 to 4 percent slopes	0.216
Steele City	MT	McCone	144.975	145.049	0.073	MT055	Cambert loam, 2 to 8 percent slopes	0.071
Steele City	MT	McCone	145.049	145.062	0.013	MT055	Cherry silt loam, 0 to 4 percent slopes	0.013
Steele City	MT	McCone	145.062	145.192	0.130	MT055	Cambert loam, 2 to 8 percent slopes	0.125
Steele City	MT	McCone	145.192	145.430	0.238	MT055	Cherry silt loam, 0 to 4 percent slopes	0.238
Steele City	MT	McCone	145.430	145.582	0.152	MT055	Cambert loam, 2 to 8 percent slopes	0.146

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	McCone	145.582	145.677	0.095	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	0.047
Steele City	MT	McCone	145.677	145.825	0.148	MT055	Cambert loam, 2 to 8 percent slopes	0.143
Steele City	MT	McCone	145.825	146.020	0.195	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	0.098
Steele City	MT	McCone	146.020	146.144	0.124	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.117
Steele City	MT	McCone	146.144	146.208	0.063	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.044
Steele City	MT	McCone	146.208	146.314	0.107	MT055	Havrelon loam	0.102
Steele City	MT	McCone	146.314	146.527	0.213	MT055	Trembles fine sandy loam	0.030
Steele City	MT	McCone	146.527	146.597	0.069	MT055	Typic Fluvaquents, frequently flooded	0.001
Steele City	MT	McCone	146.597	146.619	0.022	MT055	Trembles fine sandy loam	0.003
Steele City	MT	McCone	146.619	147.434	0.815	MT055	Cherry silt loam, 0 to 4 percent slopes	0.815
Steele City	MT	McCone	147.434	147.673	0.239	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.167
Steele City	MT	McCone	147.673	147.922	0.249	MT055	Cherry silt loam, 0 to 4 percent slopes	0.249
Steele City	MT	McCone	147.922	148.021	0.099	MT055	Bryant silt loam, 0 to 4 percent slopes	0.099
Steele City	MT	McCone	148.021	148.173	0.151	MT055	Cambert loam, 2 to 8 percent slopes	0.145
Steele City	MT	McCone	148.173	148.379	0.207	MT055	Bryant silt loam, 0 to 4 percent slopes	0.207
Steele City	MT	McCone	148.379	148.674	0.295	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.277
Steele City	MT	McCone	148.674	148.815	0.141	MT055	Bryant silt loam, 0 to 4 percent slopes	0.141
Steele City	MT	McCone	148.815	148.925	0.110	MT055	Cambert loam, 2 to 8 percent slopes	0.105
Steele City	MT	McCone	148.925	149.151	0.226	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.156
Steele City	MT	McCone	149.151	149.267	0.116	MT055	Cherry silt loam, 0 to 4 percent slopes	0.116
Steele City	MT	McCone	149.267	149.355	0.088	MT055	Cambert loam, 2 to 8 percent slopes	0.085
Steele City	MT	McCone	149.355	149.550	0.195	MT055	Macar loam, 4 to 8 percent slopes	0.187
Steele City	MT	McCone	149.550	149.717	0.166	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	0.083
Steele City	MT	McCone	149.717	149.771	0.055	MT055	Shambo loam, 4 to 8 percent slopes	0.054
Steele City	MT	McCone	149.771	149.889	0.118	MT055	Bryant silt loam, 0 to 4 percent slopes	0.118
Steele City	MT	McCone	149.889	149.962	0.073	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.051
Steele City	MT	McCone	149.962	150.190	0.228	MT055	Bryant silt loam, 0 to 4 percent slopes	0.228
Steele City	MT	McCone	150.190	150.453	0.264	MT055	Shambo loam, 4 to 8 percent slopes	0.258
Steele City	MT	McCone	150.453	150.488	0.034	MT055	Cambert-Dast-Cabba complex, 4 to 15 percent slopes	0.024
Steele City	MT	McCone	150.488	150.490	0.002	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.001
Steele City	MT	McCone	150.490	150.569	0.079	MT055	Typic Fluvaquents, saline	0.006
Steele City	MT	McCone	150.569	150.856	0.287	MT055	Cherry silt loam, 0 to 4 percent slopes	0.287
Steele City	MT	McCone	150.856	151.032	0.176	MT055	Cambert loam, 2 to 8 percent slopes	0.169
Steele City	MT	McCone	151.032	151.316	0.284	MT055	Cherry silt loam, 0 to 4 percent slopes	0.284
Steele City	MT	McCone	151.316	151.359	0.044	MT055	Typic Ustorthents-Typic Ustifluvents association	0.005
Steele City	MT	McCone	151.359	151.763	0.404	MT055	Cherry silt loam, 0 to 4 percent slopes	0.404
Steele City	MT	McCone	151.763	151.825	0.062	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.044
Steele City	MT	McCone	151.825	152.033	0.208	MT055	Cherry silt loam, 0 to 4 percent slopes	0.208
Steele City	MT	McCone	152.033	152.300	0.267	MT055	Macar loam, 4 to 8 percent slopes	0.256
Steele City	MT	McCone	152.300	152.326	0.026	MT055	Cherry silt loam, 0 to 4 percent slopes	0.026
Steele City	MT	McCone	152.326	152.397	0.071	MT055	Macar loam, 4 to 8 percent slopes	0.068
Steele City	MT	McCone	152.397	152.435	0.037	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.035
Steele City	MT	McCone	152.435	152.488	0.054	MT055	Macar-Cambert loams, 2 to 8 percent slopes	0.051
Steele City	MT	McCone	152.488	152.893	0.404	MT055	Cambert loam, 2 to 8 percent slopes	0.388
Steele City	MT	McCone	152.893	153.140	0.247	MT055	Cherry silt loam, 0 to 4 percent slopes	0.247
Steele City	MT	McCone	153.140	153.196	0.056	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	0.028
Steele City	MT	McCone	153.196	153.225	0.029	MT055	Subwell-Peerless loams, 0 to 4 percent slopes	0.016
Steele City	MT	McCone	153.225	153.278	0.053	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	0.026
Steele City	MT	McCone	153.278	153.323	0.046	MT055	Cherry-Havrelon-Trembles complex, 0 to 2 percent slopes	0.032
Steele City	MT	McCone	153.323	153.348	0.025	MT055	Cabba-Badland complex, 15 to 45 percent slopes	0.012
Steele City	MT	McCone	153.348	153.683	0.335	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.315
Steele City	MT	McCone	153.683	153.723	0.039	MT055	Macar loam, 8 to 15 percent slopes	0.038
Steele City	MT	McCone	153.723	154.159	0.437	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.424
Steele City	MT	McCone	154.159	154.355	0.195	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.184
Steele City	MT	McCone	154.355	154.499	0.144	MT055	Bryant-Cambert complex, 2 to 8 percent slopes	0.140
Steele City	MT	McCone	154.499	154.807	0.308	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.289
Steele City	MT	McCone	154.807	154.971	0.164	MT055	Cabba-Barkof complex, 15 to 45 percent slopes	0.143
Steele City	MT	McCone	154.971	155.088	0.117	MT055	Cambert-Cabba loams, 8 to 15 percent slopes	0.110
Steele City	MT	McCone	155.088	155.124	0.037	MT055	Shambo-Cambert loams, 2 to 8 percent slopes	0.036
Steele City	MT	McCone	155.124	155.631	0.507	MT055	Cabba-Barkof complex, 15 to 45 percent slopes	0.441
Steele City	MT	McCone	155.631	156.045	0.414	MT055	Macar loam, 4 to 8 percent slopes	0.397
Steele City	MT	McCone	156.045	156.259	0.214	MT055	Dast-Blanchard complex, 8 to 25 percent slopes	0.017
Steele City	MT	McCone	156.259	156.324	0.065	MT055	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.062
Steele City	MT	McCone	156.324	156.348	0.025	MT055	Cabba-Dast complex, 15 to 45 percent slopes	0.013
Steele City	MT	Dawson	156.348	156.424	0.076	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	0.042
Steele City	MT	Dawson	156.424	156.615	0.190	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	0.004
Steele City	MT	Dawson	156.615	156.729	0.115	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.077
Steele City	MT	Dawson	156.749	156.878	0.129	MT021	Attewan loam, 2 to 4 percent slopes	0.123
Steele City	MT	Dawson	156.878	156.915	0.037	MT021	Kremlin loam, 4 to 8 percent slopes	0.037
Steele City	MT	Dawson	156.915	156.973	0.058	MT021	Attewan loam, 2 to 4 percent slopes	0.055
Steele City	MT	Dawson	156.973	157.476	0.503	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.478
Steele City	MT	Dawson	157.476	157.649	0.173	MT021	Chinook fine sandy loam, 4 to 8 percent slopes	0.012

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	Dawson	157.649	157.718	0.070	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.066
Steele City	MT	Dawson	157.718	157.882	0.163	MT021	Twilight-Yetull complex, 2 to 8 percent slopes	0.003
Steele City	MT	Dawson	157.882	157.968	0.086	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	0.002
Steele City	MT	Dawson	157.968	158.265	0.297	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.143
Steele City	MT	Dawson	158.265	158.524	0.259	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	0.142
Steele City	MT	Dawson	158.524	158.640	0.116	MT021	Chinook fine sandy loam, 4 to 8 percent slopes	0.008
Steele City	MT	Dawson	158.640	158.728	0.088	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.086
Steele City	MT	Dawson	158.728	158.899	0.171	MT021	Lonna silt loam, 2 to 4 percent slopes	0.171
Steele City	MT	Dawson	158.899	159.027	0.127	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.073
Steele City	MT	Dawson	159.027	159.188	0.161	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	0.003
Steele City	MT	Dawson	159.188	159.207	0.019	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.011
Steele City	MT	Dawson	159.207	159.262	0.055	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.037
Steele City	MT	Dawson	159.262	159.309	0.048	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.027
Steele City	MT	Dawson	159.309	159.650	0.341	MT021	Twilight-Yetull complex, 2 to 8 percent slopes	0.007
Steele City	MT	Dawson	159.650	159.708	0.058	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.039
Steele City	MT	Dawson	159.708	160.151	0.443	MT021	Lonna silt loam, 2 to 4 percent slopes	0.443
Steele City	MT	Dawson	160.151	160.208	0.057	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.054
Steele City	MT	Dawson	160.208	160.299	0.091	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	0.080
Steele City	MT	Dawson	160.299	160.502	0.203	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.193
Steele City	MT	Dawson	160.502	160.657	0.155	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.147
Steele City	MT	Dawson	160.657	160.976	0.319	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	0.280
Steele City	MT	Dawson	160.976	161.062	0.086	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.049
Steele City	MT	Dawson	161.062	161.091	0.029	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.028
Steele City	MT	Dawson	161.091	161.126	0.035	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.020
Steele City	MT	Dawson	161.126	161.262	0.136	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.129
Steele City	MT	Dawson	161.262	161.352	0.090	MT021	Kremlin loam, 2 to 4 percent slopes	0.090
Steele City	MT	Dawson	161.352	161.627	0.275	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.261
Steele City	MT	Dawson	161.627	161.702	0.076	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	0.066
Steele City	MT	Dawson	161.702	161.969	0.267	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.253
Steele City	MT	Dawson	161.969	162.057	0.088	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.085
Steele City	MT	Dawson	162.057	162.346	0.290	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.275
Steele City	MT	Dawson	162.346	162.378	0.032	MT021	Attewan loam, 4 to 8 percent slopes	0.030
Steele City	MT	Dawson	162.378	162.432	0.054	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.051
Steele City	MT	Dawson	162.432	162.506	0.074	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.072
Steele City	MT	Dawson	162.506	162.666	0.160	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.152
Steele City	MT	Dawson	162.666	162.764	0.098	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.095
Steele City	MT	Dawson	162.764	163.085	0.321	MT021	Attewan loam, 2 to 4 percent slopes	0.308
Steele City	MT	Dawson	163.085	163.100	0.015	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.015
Steele City	MT	Dawson	163.100	163.211	0.111	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.074
Steele City	MT	Dawson	163.211	163.536	0.325	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.309
Steele City	MT	Dawson	163.536	163.676	0.140	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.133
Steele City	MT	Dawson	163.676	164.248	0.572	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.544
Steele City	MT	Dawson	164.248	164.382	0.134	MT021	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.125
Steele City	MT	Dawson	164.382	164.475	0.093	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.088
Steele City	MT	Dawson	164.475	164.537	0.062	MT021	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.057
Steele City	MT	Dawson	164.537	165.187	0.650	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.618
Steele City	MT	Dawson	165.187	165.264	0.077	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.073
Steele City	MT	Dawson	165.264	165.754	0.490	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.465
Steele City	MT	Dawson	165.754	166.099	0.345	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	0.190
Steele City	MT	Dawson	166.099	166.333	0.234	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.157
Steele City	MT	Dawson	166.333	166.360	0.026	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.025
Steele City	MT	Dawson	166.360	166.409	0.050	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.033
Steele City	MT	Dawson	166.409	166.680	0.271	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.258
Steele City	MT	Dawson	166.680	167.792	1.112	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	1.056
Steele City	MT	Dawson	167.792	168.439	0.647	MT021	Lonna silt loam, 2 to 4 percent slopes	0.647
Steele City	MT	Dawson	168.439	168.702	0.263	MT021	Subwell-Bigsheep complex, 4 to 15 percent slopes	0.131
Steele City	MT	Dawson	168.702	168.783	0.081	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	0.045
Steele City	MT	Dawson	168.783	169.065	0.283	MT021	Lonna silt loam, 2 to 4 percent slopes	0.283
Steele City	MT	Dawson	169.065	169.268	0.202	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.192
Steele City	MT	Dawson	169.268	169.422	0.154	MT021	Kremlin loam, 2 to 4 percent slopes	0.154
Steele City	MT	Dawson	169.422	169.787	0.366	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.347
Steele City	MT	Dawson	169.787	169.829	0.042	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.040
Steele City	MT	Dawson	169.829	169.869	0.039	MT021	Kremlin loam, 2 to 4 percent slopes	0.039

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	Dawson	169.869	170.026	0.157	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.149
Steele City	MT	Dawson	170.026	171.243	1.217	MT021	Lonna silt loam, 2 to 4 percent slopes	1.217
Steele City	MT	Dawson	171.243	171.332	0.089	MT021	Lonna silt loam, 0 to 2 percent slopes	0.089
Steele City	MT	Dawson	171.332	172.217	0.885	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.840
Steele City	MT	Dawson	172.217	172.404	0.187	MT021	Lonna silt loam, 2 to 4 percent slopes	0.187
Steele City	MT	Dawson	172.404	172.642	0.238	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.226
Steele City	MT	Dawson	172.642	172.745	0.104	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.099
Steele City	MT	Dawson	172.745	174.224	1.479	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	1.405
Steele City	MT	Dawson	174.224	174.275	0.051	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.048
Steele City	MT	Dawson	174.275	174.296	0.021	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.020
Steele City	MT	Dawson	174.296	174.346	0.050	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.047
Steele City	MT	Dawson	174.346	174.427	0.082	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.078
Steele City	MT	Dawson	174.427	174.581	0.154	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.146
Steele City	MT	Dawson	174.581	174.801	0.220	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.209
Steele City	MT	Dawson	174.801	175.141	0.339	MT021	Lonna silt loam, 2 to 4 percent slopes	0.339
Steele City	MT	Dawson	175.141	175.180	0.039	MT021	Lonna silt loam, 0 to 2 percent slopes	0.039
Steele City	MT	Dawson	175.180	175.359	0.179	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.120
Steele City	MT	Dawson	175.359	175.596	0.238	MT021	Lonna silt loam, 0 to 2 percent slopes	0.238
Steele City	MT	Dawson	175.596	175.615	0.019	MT021	Lonna silt loam, 2 to 4 percent slopes	0.019
Steele City	MT	Dawson	175.615	175.621	0.006	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.004
Steele City	MT	Dawson	175.621	175.770	0.149	MT021	Lonna silt loam, 2 to 4 percent slopes	0.149
Steele City	MT	Dawson	175.770	176.196	0.425	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.404
Steele City	MT	Dawson	176.196	176.386	0.191	MT021	Lonna silt loam, 2 to 4 percent slopes	0.191
Steele City	MT	Dawson	176.386	176.417	0.030	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.029
Steele City	MT	Dawson	176.417	176.477	0.061	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.058
Steele City	MT	Dawson	176.477	176.893	0.416	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.395
Steele City	MT	Dawson	176.893	177.231	0.339	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.322
Steele City	MT	Dawson	177.231	177.333	0.101	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.058
Steele City	MT	Dawson	177.333	177.542	0.209	MT021	Lonna silt loam, 0 to 2 percent slopes	0.209
Steele City	MT	Dawson	177.542	177.596	0.054	MT021	Lonna silt loam, 2 to 4 percent slopes	0.054
Steele City	MT	Dawson	177.596	177.890	0.294	MT021	Lonna silt loam, 0 to 2 percent slopes	0.294
Steele City	MT	Dawson	177.890	178.056	0.167	MT021	Lonna silt loam, 2 to 4 percent slopes	0.167
Steele City	MT	Dawson	178.056	178.139	0.083	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.079
Steele City	MT	Dawson	178.139	178.413	0.274	MT021	Lonna silt loam, 2 to 4 percent slopes	0.274
Steele City	MT	Dawson	178.413	178.922	0.509	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.483
Steele City	MT	Dawson	178.922	178.956	0.034	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.032
Steele City	MT	Dawson	178.956	179.028	0.071	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.069
Steele City	MT	Dawson	179.028	179.055	0.028	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.026
Steele City	MT	Dawson	179.055	179.639	0.584	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.566
Steele City	MT	Dawson	179.639	179.997	0.358	MT021	Lonna silt loam, 2 to 4 percent slopes	0.358
Steele City	MT	Dawson	179.997	180.088	0.091	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.086
Steele City	MT	Dawson	180.088	180.296	0.208	MT021	Lonna silt loam, 2 to 4 percent slopes	0.208
Steele City	MT	Dawson	180.296	180.592	0.295	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.280
Steele City	MT	Dawson	180.592	180.938	0.346	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.336
Steele City	MT	Dawson	180.938	181.573	0.635	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.222
Steele City	MT	Dawson	181.573	181.584	0.012	MT021	Kremlin loam, 4 to 8 percent slopes	0.011
Steele City	MT	Dawson	181.584	182.056	0.472	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.165
Steele City	MT	Dawson	182.056	182.175	0.119	MT021	Kremlin loam, 4 to 8 percent slopes	0.116
Steele City	MT	Dawson	182.175	182.212	0.037	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.037
Steele City	MT	Dawson	182.212	182.342	0.129	MT021	Kremlin loam, 4 to 8 percent slopes	0.127
Steele City	MT	Dawson	182.342	183.606	1.265	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	1.265
Steele City	MT	Dawson	183.606	183.706	0.099	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.048
Steele City	MT	Dawson	183.706	183.734	0.028	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.028
Steele City	MT	Dawson	183.734	183.873	0.139	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.067
Steele City	MT	Dawson	183.873	183.996	0.123	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.123
Steele City	MT	Dawson	183.996	184.067	0.071	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.034
Steele City	MT	Dawson	184.067	184.505	0.438	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.438
Steele City	MT	Dawson	184.505	184.639	0.134	MT021	Attewan loam, 2 to 4 percent slopes	0.129
Steele City	MT	Dawson	184.639	185.103	0.464	MT021	Attewan, thin solum complex, 4 to 15 percent slopes	0.441
Steele City	MT	Dawson	185.103	185.562	0.459	MT021	Subwell-Bigsheep complex, 4 to 15 percent slopes	0.229
Steele City	MT	Dawson	185.562	185.706	0.144	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	0.079
Steele City	MT	Dawson	185.706	185.828	0.123	MT021	Subwell-Bigsheep complex, 4 to 15 percent slopes	0.061
Steele City	MT	Dawson	185.828	186.005	0.176	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	0.097
Steele City	MT	Dawson	186.005	186.253	0.249	MT021	Kremlin loam, 4 to 8 percent slopes	0.244
Steele City	MT	Dawson	186.253	187.054	0.800	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	0.440
Steele City	MT	Dawson	187.054	187.216	0.163	MT021	Attewan loam, 2 to 4 percent slopes	0.156
Steele City	MT	Dawson	187.216	187.275	0.058	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	0.032
Steele City	MT	Dawson	187.275	187.341	0.066	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.023
Steele City	MT	Dawson	187.341	187.710	0.369	MT021	Attewan loam, 2 to 4 percent slopes	0.355
Steele City	MT	Dawson	187.710	187.820	0.110	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.039

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	Dawson	187.820	187.864	0.043	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.021
Steele City	MT	Dawson	187.864	188.070	0.206	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	0.200
Steele City	MT	Dawson	188.070	188.198	0.128	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.086
Steele City	MT	Dawson	188.198	188.265	0.067	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	0.065
Steele City	MT	Dawson	188.265	188.340	0.074	MT021	Kremlin loam, 4 to 8 percent slopes	0.073
Steele City	MT	Dawson	188.340	188.449	0.109	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	0.106
Steele City	MT	Dawson	188.449	188.515	0.066	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.032
Steele City	MT	Dawson	188.515	188.843	0.328	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.328
Steele City	MT	Dawson	188.843	189.165	0.322	MT021	Attewan loam, 2 to 4 percent slopes	0.309
Steele City	MT	Dawson	189.165	189.183	0.018	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	0.017
Steele City	MT	Dawson	189.183	189.293	0.110	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.053
Steele City	MT	Dawson	189.293	189.406	0.113	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.113
Steele City	MT	Dawson	189.406	189.461	0.054	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.026
Steele City	MT	Dawson	189.461	189.611	0.150	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.150
Steele City	MT	Dawson	189.611	189.790	0.179	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.086
Steele City	MT	Dawson	189.790	189.832	0.043	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	0.042
Steele City	MT	Dawson	189.832	189.914	0.081	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.039
Steele City	MT	Dawson	189.914	189.944	0.030	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	0.030
Steele City	MT	Dawson	189.944	190.303	0.359	MT021	Attewan loam, 2 to 4 percent slopes	0.345
Steele City	MT	Dawson	190.303	190.862	0.559	MT021	Chinook fine sandy loam, 0 to 4 percent slopes	0.056
Steele City	MT	Dawson	190.862	191.407	0.545	MT021	Kremlin loam, 4 to 8 percent slopes	0.534
Steele City	MT	Dawson	191.407	192.038	0.632	MT021	Attewan loam, 2 to 4 percent slopes	0.606
Steele City	MT	Dawson	192.038	192.651	0.612	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.214
Steele City	MT	Dawson	192.651	192.767	0.116	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	0.064
Steele City	MT	Dawson	192.767	192.844	0.078	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	0.002
Steele City	MT	Dawson	192.844	192.850	0.005	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	0.003
Steele City	MT	Dawson	192.850	192.898	0.049	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	0.001
Steele City	MT	Dawson	192.898	192.945	0.047	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	0.026
Steele City	MT	Dawson	192.945	193.157	0.212	MT021	Twilight-Yetull complex, 8 to 25 percent slopes	0.004
Steele City	MT	Dawson	193.157	193.206	0.049	MT021	Lambert-Yetull complex, 15 to 65 percent slopes	0.027
Steele City	MT	Dawson	193.206	193.573	0.367	MT021	Twilight-Yetull complex, 2 to 8 percent slopes	0.007
Steele City	MT	Dawson	193.573	193.659	0.085	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.030
Steele City	MT	Dawson	193.659	193.664	0.005	MT021	Glendive loam, 0 to 2 percent slopes, occasionally flooded	0.001
Steele City	MT	Dawson	193.664	194.254	0.590	MT021	Cherry silty clay loam, noncalcareous, 0 to 2 percent slopes	0.590
Steele City	MT	Dawson	194.254	194.262	0.008	MT021	Glendive loam, 0 to 2 percent slopes, occasionally flooded	0.001
Steele City	MT	Dawson	194.262	194.552	0.290	MT021	Glendive fine sandy loam, 0 to 2 percent slopes, occasionally flooded	0.032
Steele City	MT	Dawson	194.552	194.653	0.102	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.099
Steele City	MT	Dawson	194.751	194.987	0.236	MT021	Saline land	0.236
Steele City	MT	Dawson	194.987	195.013	0.026	MT021	Havre silt loam, 0 to 2 percent slopes	0.025
Steele City	MT	Dawson	195.013	195.302	0.289	MT021	Glendive loam, 0 to 2 percent slopes, occasionally flooded	0.043
Steele City	MT	Dawson	195.302	195.643	0.341	MT021	Havre silt loam, 0 to 2 percent slopes	0.331
Steele City	MT	Dawson	195.643	195.682	0.040	MT021	Hanly soils, 0 to 4 percent slopes, occasionally flooded	0.002
Steele City	MT	Dawson	195.682	195.721	0.038	MT021	Glendive loam, 0 to 2 percent slopes, occasionally flooded	0.006
Steele City	MT	Dawson	195.721	195.910	0.189	MT021	Hanly soils, 0 to 4 percent slopes, occasionally flooded	0.008
Steele City	MT	Dawson	196.052	196.215	0.163	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	0.143
Steele City	MT	Dawson	196.215	196.290	0.075	MT021	Lonna silt loam, 0 to 2 percent slopes	0.075
Steele City	MT	Dawson	196.290	196.356	0.066	MT021	Lonna silt loam, 2 to 8 percent slopes	0.064
Steele City	MT	Dawson	196.356	196.477	0.121	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	0.106
Steele City	MT	Dawson	196.477	196.779	0.302	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.172
Steele City	MT	Dawson	196.779	197.009	0.231	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.081
Steele City	MT	Prairie	197.009	197.040	0.030	MT079	Lihen-Tinsley complex, 8 to 35 percent slopes	0.003
Steele City	MT	Prairie	197.536	197.631	0.095	MT079	Degrand loam, 0 to 4 percent slopes	0.086
Steele City	MT	Prairie	197.648	197.890	0.242	MT079	Degrand loam, 0 to 4 percent slopes	0.218
Steele City	MT	Prairie	198.248	198.314	0.067	MT079	Degrand loam, 0 to 4 percent slopes	0.060
Steele City	MT	Prairie	198.353	199.470	1.117	MT079	Degrand loam, 0 to 4 percent slopes	1.005
Steele City	MT	Prairie	199.606	199.762	0.156	MT079	Lihen-Tinsley complex, 8 to 35 percent slopes	0.016
Steele City	MT	Prairie	199.762	199.999	0.236	MT079	Busby-Twilight-Blackhall fine sandy loams, 4 to 15 percent slopes	0.012
Steele City	MT	Prairie	199.999	200.553	0.555	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.527
Steele City	MT	Prairie	200.586	200.925	0.339	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.322
Steele City	MT	Prairie	200.925	200.950	0.025	MT079	Yawdim-Cambeth, calcareous, complex, 2 to 8 percent slopes	0.025
Steele City	MT	Prairie	200.950	201.081	0.131	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.125
Steele City	MT	Prairie	201.254	201.339	0.085	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.080
Steele City	MT	Prairie	201.339	201.408	0.069	MT079	Kremlin loam, 0 to 2 percent slopes	0.066
Steele City	MT	Prairie	201.408	201.481	0.074	MT079	Glendive fine sandy loam, 0 to 2 percent slopes	0.006
Steele City	MT	Prairie	201.481	201.719	0.237	MT079	Busby fine sandy loam, 0 to 2 percent slopes	0.036
Steele City	MT	Prairie	201.719	201.908	0.189	MT079	Busby fine sandy loam, 2 to 8 percent slopes	0.009
Steele City	MT	Prairie	201.908	201.954	0.046	MT079	Busby fine sandy loam, 0 to 2 percent slopes	0.007

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	Prairie	201.954	202.306	0.352	MT079	Glendive fine sandy loam, 0 to 2 percent slopes	0.028
Steele City	MT	Prairie	202.306	202.373	0.067	MT079	Yamac loam, 0 to 2 percent slopes	0.064
Steele City	MT	Prairie	202.373	202.534	0.161	MT079	Lonna silt loam, 2 to 8 percent slopes	0.157
Steele City	MT	Prairie	202.534	202.560	0.027	MT079	Floweree silt loam, calcareous, 0 to 2 percent slopes	0.027
Steele City	MT	Prairie	202.560	202.687	0.127	MT079	Lonna silt loam, 2 to 8 percent slopes	0.124
Steele City	MT	Prairie	202.687	202.832	0.145	MT079	Floweree silt loam, calcareous, 0 to 2 percent slopes	0.145
Steele City	MT	Prairie	202.832	203.203	0.371	MT079	Yamac loam, 0 to 2 percent slopes	0.353
Steele City	MT	Prairie	203.203	203.783	0.580	MT079	Lonna silt loam, 2 to 8 percent slopes	0.568
Steele City	MT	Prairie	203.783	204.076	0.293	MT079	Busby-Twilight-Blackhall fine sandy loams, 4 to 15 percent slopes	0.015
Steele City	MT	Prairie	204.076	204.239	0.162	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.154
Steele City	MT	Prairie	204.239	204.278	0.039	MT079	Chinook-Kremlin complex, 2 to 6 percent slopes	0.017
Steele City	MT	Prairie	204.278	204.688	0.410	MT079	Lonna silt loam, 2 to 8 percent slopes	0.402
Steele City	MT	Prairie	204.688	204.806	0.118	MT079	Delpoint-Busby-Blackhall complex, 4 to 15 percent slopes	0.047
Steele City	MT	Prairie	204.806	205.075	0.270	MT079	Degrand loam, 0 to 4 percent slopes	0.243
Steele City	MT	Prairie	205.075	205.191	0.116	MT079	Chinook-Twilight-Blackhall fine sandy loams, 8 to 15 percent slopes	0.009
Steele City	MT	Prairie	205.191	205.305	0.114	MT079	Kremlin loam, 2 to 8 percent slopes	0.108
Steele City	MT	Prairie	205.305	205.353	0.048	MT079	Lonna silt loam, 0 to 2 percent slopes	0.048
Steele City	MT	Prairie	205.353	205.563	0.211	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.200
Steele City	MT	Prairie	205.563	205.588	0.025	MT079	Parshall fine sandy loam, 2 to 6 percent slopes	0.001
Steele City	MT	Prairie	205.588	205.691	0.103	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.098
Steele City	MT	Prairie	205.691	205.927	0.236	MT079	Lonna silt loam, 0 to 2 percent slopes	0.236
Steele City	MT	Prairie	205.927	205.989	0.062	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.059
Steele City	MT	Prairie	205.989	206.210	0.221	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.210
Steele City	MT	Prairie	206.210	206.262	0.053	MT079	Lonna silt loam, 2 to 8 percent slopes	0.051
Steele City	MT	Prairie	206.262	206.527	0.264	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.251
Steele City	MT	Prairie	206.527	206.595	0.068	MT079	Lonna silt loam, 2 to 8 percent slopes	0.067
Steele City	MT	Prairie	206.595	206.665	0.070	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.066
Steele City	MT	Prairie	206.665	206.820	0.156	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.145
Steele City	MT	Prairie	206.820	206.945	0.124	MT079	Cambeth, calcareous-Cabbart-Yawdim complex, 4 to 25 percent slopes	0.121
Steele City	MT	Prairie	206.945	207.398	0.453	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.422
Steele City	MT	Prairie	207.398	207.679	0.281	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.267
Steele City	MT	Prairie	207.679	207.746	0.067	MT079	Lonna silt loam, 2 to 8 percent slopes	0.066
Steele City	MT	Prairie	207.746	207.920	0.174	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.165
Steele City	MT	Prairie	207.920	207.932	0.012	MT079	Ustic Torriorthents-Ustic Torrifluvents-Rock outcrop complex, 0 to 35 percent slopes	0.001
Steele City	MT	Prairie	207.932	208.034	0.102	MT079	Ismay silty clay loam, 0 to 2 percent slopes	0.099
Steele City	MT	Prairie	208.034	208.158	0.124	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.116
Steele City	MT	Prairie	208.158	208.377	0.219	MT079	Chinook-Twilight-Blackhall fine sandy loams, 8 to 15 percent slopes	0.018
Steele City	MT	Prairie	208.377	208.537	0.160	MT079	Chinook-Twilight fine sandy loams, 2 to 8 percent slopes	0.016
Steele City	MT	Prairie	208.537	208.613	0.077	MT079	Lonna silt loam, 2 to 8 percent slopes	0.075
Steele City	MT	Prairie	208.613	208.668	0.055	MT079	Chinook-Twilight-Blackhall fine sandy loams, 8 to 15 percent slopes	0.004
Steele City	MT	Prairie	208.668	208.900	0.231	MT079	Lonna silt loam, 2 to 8 percent slopes	0.226
Steele City	MT	Prairie	208.900	208.922	0.023	MT079	Ismay silty clay loam, 0 to 2 percent slopes	0.022
Steele City	MT	Prairie	208.922	208.976	0.054	MT079	Lonna silt loam, 2 to 8 percent slopes	0.053
Steele City	MT	Prairie	208.976	209.069	0.093	MT079	Ismay silty clay loam, 0 to 2 percent slopes	0.091
Steele City	MT	Prairie	209.069	209.189	0.119	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.111
Steele City	MT	Prairie	209.189	209.297	0.108	MT079	Cambeth, calcareous-Cabbart-Yawdim complex, 4 to 25 percent slopes	0.105
Steele City	MT	Prairie	209.297	209.553	0.256	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.238
Steele City	MT	Prairie	209.553	209.892	0.339	MT079	Cambeth, calcareous-Cabbart-Yawdim complex, 4 to 25 percent slopes	0.329
Steele City	MT	Prairie	209.892	210.179	0.287	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.218
Steele City	MT	Prairie	210.179	210.475	0.296	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.281
Steele City	MT	Prairie	210.475	210.868	0.393	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.298
Steele City	MT	Prairie	210.868	210.924	0.057	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.053
Steele City	MT	Prairie	210.924	211.058	0.134	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.102
Steele City	MT	Prairie	211.058	211.135	0.076	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.073
Steele City	MT	Prairie	211.135	211.218	0.083	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.063
Steele City	MT	Prairie	211.218	211.269	0.051	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.049
Steele City	MT	Prairie	211.269	211.345	0.076	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.058
Steele City	MT	Prairie	211.345	211.844	0.500	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.465
Steele City	MT	Prairie	211.844	212.056	0.212	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.201
Steele City	MT	Prairie	212.056	212.265	0.208	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.194

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	Prairie	212.265	212.319	0.055	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.052
Steele City	MT	Prairie	212.319	212.447	0.128	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.119
Steele City	MT	Prairie	212.447	213.050	0.603	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.573
Steele City	MT	Prairie	213.050	213.245	0.195	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.148
Steele City	MT	Prairie	213.245	213.621	0.377	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.358
Steele City	MT	Prairie	213.621	213.936	0.315	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.293
Steele City	MT	Prairie	213.936	213.966	0.029	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.028
Steele City	MT	Prairie	213.966	214.217	0.252	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.234
Steele City	MT	Prairie	214.217	214.337	0.120	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.114
Steele City	MT	Prairie	214.337	214.382	0.046	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.042
Steele City	MT	Prairie	214.382	214.455	0.073	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.069
Steele City	MT	Prairie	214.455	214.553	0.098	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.091
Steele City	MT	Prairie	214.553	214.744	0.190	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.181
Steele City	MT	Prairie	214.744	214.907	0.163	MT079	Lonna silt loam, 0 to 2 percent slopes	0.163
Steele City	MT	Prairie	214.907	215.007	0.100	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.093
Steele City	MT	Prairie	215.007	215.852	0.845	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.803
Steele City	MT	Prairie	215.852	216.148	0.296	MT079	Lonna silt loam, 2 to 8 percent slopes	0.290
Steele City	MT	Prairie	216.148	216.270	0.122	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.114
Steele City	MT	Prairie	216.270	216.347	0.077	MT079	Lonna silt loam, 2 to 8 percent slopes	0.075
Steele City	MT	Prairie	216.347	216.468	0.121	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.115
Steele City	MT	Prairie	216.468	216.606	0.138	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.129
Steele City	MT	Prairie	216.606	217.096	0.490	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.466
Steele City	MT	Prairie	217.096	217.297	0.201	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.187
Steele City	MT	Prairie	217.297	217.367	0.070	MT079	Lonna silt loam, 2 to 8 percent slopes	0.068
Steele City	MT	Prairie	217.367	217.635	0.268	MT079	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	0.250
Steele City	MT	Prairie	217.635	217.832	0.196	MT079	Cambeth, calcareous-Cabbart-Lonna silt loams, 15 to 35 percent slopes	0.177
Steele City	MT	Prairie	217.832	217.908	0.076	MT079	Cabbart-Rock outcrop-Yawdim complex, 15 to 70 percent slopes	0.051
Steele City	MT	Prairie	217.908	218.143	0.235	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.223
Steele City	MT	Fallon	218.143	218.317	0.174	MT025	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.143
Steele City	MT	Fallon	218.317	218.403	0.087	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.065
Steele City	MT	Fallon	218.403	218.444	0.040	MT025	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.033
Steele City	MT	Fallon	218.444	218.596	0.152	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.114
Steele City	MT	Fallon	218.596	218.643	0.047	MT025	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.039
Steele City	MT	Fallon	218.643	219.205	0.562	MT025	Lonna-Cabbart silt loams, 2 to 8 percent slopes	0.422
Steele City	MT	Fallon	219.205	219.885	0.680	MT025	Kremlin loam, 2 to 8 percent slopes	0.659
Steele City	MT	Fallon	219.885	219.955	0.070	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.042
Steele City	MT	Fallon	219.955	220.041	0.086	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.064
Steele City	MT	Fallon	220.041	220.221	0.180	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.108
Steele City	MT	Fallon	220.221	220.663	0.442	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.332
Steele City	MT	Fallon	220.663	220.844	0.181	MT025	Yamacall loam, 8 to 15 percent slopes	0.181
Steele City	MT	Fallon	220.844	221.394	0.550	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.517
Steele City	MT	Fallon	221.394	221.663	0.269	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.161
Steele City	MT	Fallon	221.663	221.858	0.195	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.141
Steele City	MT	Fallon	221.858	221.971	0.113	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.070
Steele City	MT	Fallon	221.971	222.057	0.086	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.062
Steele City	MT	Fallon	222.057	222.173	0.116	MT025	Lonna silt loam, 2 to 8 percent slopes	0.112
Steele City	MT	Fallon	222.173	222.286	0.113	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.110
Steele City	MT	Fallon	222.286	222.341	0.055	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.033
Steele City	MT	Fallon	222.341	222.407	0.066	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.064
Steele City	MT	Fallon	222.407	222.440	0.033	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.020
Steele City	MT	Fallon	222.440	222.527	0.086	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.084
Steele City	MT	Fallon	222.527	223.145	0.618	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.371
Steele City	MT	Fallon	223.145	223.318	0.173	MT025	Lonna silt loam, 2 to 8 percent slopes	0.168
Steele City	MT	Fallon	223.318	223.478	0.161	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.069
Steele City	MT	Fallon	223.478	223.522	0.044	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.026
Steele City	MT	Fallon	223.522	223.566	0.044	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.019
Steele City	MT	Fallon	223.566	223.652	0.086	MT025	Lonna-Cabbart silt loams, 8 to 25 percent slopes	0.051
Steele City	MT	Fallon	223.652	223.732	0.080	MT025	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.066
Steele City	MT	Fallon	223.732	224.057	0.325	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.140
Steele City	MT	Fallon	224.057	224.148	0.091	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.005
Steele City	MT	Fallon	224.148	224.242	0.093	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.058
Steele City	MT	Fallon	224.242	224.365	0.124	MT025	Yamacall loam, 8 to 15 percent slopes	0.124
Steele City	MT	Fallon	224.365	224.558	0.193	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.145
Steele City	MT	Fallon	224.558	224.796	0.238	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.102

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	Fallon	224.796	224.856	0.060	MT025	Orinoco-Yawdim silty clay loams, 4 to 15 percent slopes	0.056
Steele City	MT	Fallon	224.856	224.866	0.010	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.004
Steele City	MT	Fallon	224.866	224.939	0.073	MT025	Floweree silt loam, 2 to 8 percent slopes	0.073
Steele City	MT	Fallon	224.939	224.958	0.018	MT025	Orinoco-Yawdim silty clay loams, 4 to 15 percent slopes	0.017
Steele City	MT	Fallon	224.958	225.137	0.179	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.169
Steele City	MT	Fallon	225.137	225.204	0.067	MT025	Kremlin loam, 2 to 8 percent slopes	0.065
Steele City	MT	Fallon	225.204	225.271	0.067	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.063
Steele City	MT	Fallon	225.271	225.757	0.487	MT025	Kremlin-Cabbart complex, 2 to 8 percent slopes	0.292
Steele City	MT	Fallon	225.757	225.950	0.192	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.181
Steele City	MT	Fallon	225.950	226.051	0.102	MT025	Yamacall loam, 2 to 8 percent slopes	0.096
Steele City	MT	Fallon	226.051	226.173	0.122	MT025	Kremlin loam, 2 to 8 percent slopes	0.119
Steele City	MT	Fallon	226.173	226.232	0.058	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.036
Steele City	MT	Fallon	226.232	226.281	0.050	MT025	Kremlin loam, 2 to 8 percent slopes	0.048
Steele City	MT	Fallon	226.281	226.342	0.061	MT025	Lonna silt loam, 0 to 2 percent slopes	0.060
Steele City	MT	Fallon	226.342	226.440	0.097	MT025	Delpoint loam, 2 to 8 percent slopes	0.091
Steele City	MT	Fallon	226.440	226.678	0.238	MT025	Lonna silt loam, 2 to 8 percent slopes	0.231
Steele City	MT	Fallon	226.678	226.837	0.159	MT025	Lonna silt loam, 0 to 2 percent slopes	0.156
Steele City	MT	Fallon	226.837	227.014	0.177	MT025	Havre loam, 0 to 2 percent slopes	0.166
Steele City	MT	Fallon	227.014	227.283	0.270	MT025	Lonna silt loam, 0 to 2 percent slopes	0.264
Steele City	MT	Fallon	227.283	227.816	0.533	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.517
Steele City	MT	Fallon	227.816	227.936	0.120	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.052
Steele City	MT	Fallon	227.936	227.972	0.036	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.027
Steele City	MT	Fallon	227.972	228.000	0.028	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.012
Steele City	MT	Fallon	228.000	228.038	0.038	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.037
Steele City	MT	Fallon	228.038	228.076	0.038	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.016
Steele City	MT	Fallon	228.076	228.234	0.158	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.153
Steele City	MT	Fallon	228.234	228.305	0.071	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.030
Steele City	MT	Fallon	228.305	228.533	0.228	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.221
Steele City	MT	Fallon	228.533	228.585	0.052	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.004
Steele City	MT	Fallon	228.585	228.870	0.285	MT025	Lonna silt loam, 2 to 8 percent slopes	0.277
Steele City	MT	Fallon	228.870	228.916	0.046	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.020
Steele City	MT	Fallon	228.916	228.935	0.019	MT025	Alona silt loam, 2 to 8 percent slopes	0.019
Steele City	MT	Fallon	228.935	229.500	0.565	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.034
Steele City	MT	Fallon	229.500	229.626	0.127	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.009
Steele City	MT	Fallon	229.626	229.738	0.112	MT025	Lonna silt loam, 2 to 8 percent slopes	0.108
Steele City	MT	Fallon	229.738	229.954	0.215	MT025	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.177
Steele City	MT	Fallon	229.954	230.155	0.201	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.125
Steele City	MT	Fallon	230.155	230.209	0.054	MT025	Lonna silt loam, 2 to 8 percent slopes	0.053
Steele City	MT	Fallon	230.209	230.393	0.185	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.114
Steele City	MT	Fallon	230.393	230.473	0.080	MT025	Kobase silty clay loam, 2 to 8 percent slopes	0.078
Steele City	MT	Fallon	230.473	230.531	0.058	MT025	Cabbart silt loam, 4 to 15 percent slopes	0.005
Steele City	MT	Fallon	230.531	230.601	0.069	MT025	Gerdrum clay loam, 2 to 8 percent slopes	0.067
Steele City	MT	Fallon	230.601	230.899	0.298	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.223
Steele City	MT	Fallon	230.899	230.975	0.076	MT025	Yamacall loam, 2 to 8 percent slopes	0.072
Steele City	MT	Fallon	230.975	231.393	0.418	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.313
Steele City	MT	Fallon	231.393	231.633	0.240	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.149
Steele City	MT	Fallon	231.633	231.798	0.165	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.010
Steele City	MT	Fallon	231.798	231.974	0.176	MT025	Kremlin loam, 2 to 8 percent slopes	0.170
Steele City	MT	Fallon	231.974	232.005	0.032	MT025	Lonna silt loam, 2 to 8 percent slopes	0.031
Steele City	MT	Fallon	232.030	232.071	0.041	MT025	Lonna silt loam, 2 to 8 percent slopes	0.040
Steele City	MT	Fallon	232.071	232.708	0.637	MT025	Eapa loam, 2 to 8 percent slopes	0.631
Steele City	MT	Fallon	232.708	232.719	0.011	MT025	Havre-Harlake complex, 0 to 2 percent slopes	0.010
Steele City	MT	Fallon	232.719	232.865	0.146	MT025	Archin loam, 2 to 8 percent slopes	0.138
Steele City	MT	Fallon	232.865	233.236	0.371	MT025	Gerdrum-Absher complex, 0 to 2 percent slopes	0.367
Steele City	MT	Fallon	233.236	233.364	0.128	MT025	Floweree silt loam, 0 to 2 percent slopes	0.128
Steele City	MT	Fallon	233.364	233.426	0.061	MT025	Archin-Absher complex, 0 to 2 percent slopes	0.061
Steele City	MT	Fallon	233.426	233.896	0.470	MT025	Floweree silt loam, 0 to 2 percent slopes	0.470
Steele City	MT	Fallon	233.896	234.282	0.387	MT025	Kremlin loam, 0 to 2 percent slopes	0.371
Steele City	MT	Fallon	234.282	234.389	0.106	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	0.105
Steele City	MT	Fallon	234.389	234.714	0.325	MT025	Havre-Harlake complex, 0 to 2 percent slopes	0.309
Steele City	MT	Fallon	234.714	234.832	0.119	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	0.117
Steele City	MT	Fallon	234.832	234.910	0.078	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	0.074
Steele City	MT	Fallon	234.910	234.979	0.069	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	0.068
Steele City	MT	Fallon	234.979	235.131	0.153	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	0.145
Steele City	MT	Fallon	235.131	235.337	0.205	MT025	Yamacall-Busby-Blacksheep complex, 4 to 15 percent slopes	0.090
Steele City	MT	Fallon	235.337	235.476	0.139	MT025	Archin loam, 2 to 8 percent slopes	0.131
Steele City	MT	Fallon	235.476	235.535	0.060	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	0.057

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	Fallon	235.535	235.637	0.101	MT025	Archin loam, 2 to 8 percent slopes	0.095
Steele City	MT	Fallon	235.637	235.729	0.093	MT025	Cambeth silt loam, 2 to 8 percent slopes	0.090
Steele City	MT	Fallon	235.729	235.905	0.176	MT025	Archin loam, 2 to 8 percent slopes	0.166
Steele City	MT	Fallon	235.905	235.980	0.075	MT025	Yamacall loam, 2 to 8 percent slopes	0.071
Steele City	MT	Fallon	235.980	236.089	0.108	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.067
Steele City	MT	Fallon	236.089	236.201	0.112	MT025	Yamacall loam, 2 to 8 percent slopes	0.106
Steele City	MT	Fallon	236.201	236.260	0.059	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.037
Steele City	MT	Fallon	236.260	236.503	0.243	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.017
Steele City	MT	Fallon	236.503	236.551	0.048	MT025	Yamacall loam, 2 to 8 percent slopes	0.045
Steele City	MT	Fallon	236.551	236.722	0.172	MT025	Eapa loam, 2 to 8 percent slopes	0.170
Steele City	MT	Fallon	236.722	236.998	0.276	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.014
Steele City	MT	Fallon	236.998	237.231	0.232	MT025	Kremlin loam, 2 to 8 percent slopes	0.225
Steele City	MT	Fallon	237.231	237.419	0.189	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.009
Steele City	MT	Fallon	237.419	237.489	0.069	MT025	Twilight fine sandy loam, 8 to 15 percent slopes	0.002
Steele City	MT	Fallon	237.489	237.538	0.050	MT025	Yamacall loam, 2 to 8 percent slopes	0.047
Steele City	MT	Fallon	237.538	237.583	0.044	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.002
Steele City	MT	Fallon	237.583	237.594	0.011	MT025	Yamacall loam, 2 to 8 percent slopes	0.010
Steele City	MT	Fallon	237.594	237.673	0.079	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.004
Steele City	MT	Fallon	237.673	238.275	0.603	MT025	Yamacall loam, 2 to 8 percent slopes	0.573
Steele City	MT	Fallon	238.275	238.405	0.130	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.005
Steele City	MT	Fallon	238.405	238.507	0.101	MT025	Yamacall loam, 2 to 8 percent slopes	0.096
Steele City	MT	Fallon	238.507	238.585	0.078	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.049
Steele City	MT	Fallon	238.585	238.679	0.094	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.007
Steele City	MT	Fallon	238.679	238.759	0.081	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.005
Steele City	MT	Fallon	238.759	238.818	0.059	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.004
Steele City	MT	Fallon	238.818	238.839	0.021	MT025	Eapa loam, 2 to 8 percent slopes	0.021
Steele City	MT	Fallon	238.839	238.886	0.047	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.003
Steele City	MT	Fallon	238.886	238.995	0.109	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.005
Steele City	MT	Fallon	238.995	239.047	0.052	MT025	Assinniboine sandy clay loam, 2 to 8 percent slopes	0.050
Steele City	MT	Fallon	239.047	239.318	0.271	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.016
Steele City	MT	Fallon	239.318	239.449	0.131	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.007
Steele City	MT	Fallon	239.449	239.633	0.184	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.011
Steele City	MT	Fallon	239.633	239.732	0.099	MT025	Assinniboine sandy clay loam, 2 to 8 percent slopes	0.096
Steele City	MT	Fallon	239.732	239.961	0.229	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.014
Steele City	MT	Fallon	239.961	240.193	0.232	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.014
Steele City	MT	Fallon	240.193	240.260	0.067	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.004
Steele City	MT	Fallon	240.260	240.531	0.271	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.016
Steele City	MT	Fallon	240.531	240.571	0.040	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.025
Steele City	MT	Fallon	240.571	240.783	0.212	MT025	Twilight-Delpoint complex, 2 to 8 percent slopes	0.089
Steele City	MT	Fallon	240.783	240.831	0.049	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.030
Steele City	MT	Fallon	240.831	241.218	0.387	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.027
Steele City	MT	Fallon	241.218	241.435	0.216	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.013
Steele City	MT	Fallon	241.435	241.450	0.016	MT025	Blacksheep-Rock outcrop complex, 25 to 50 percent	0.000
Steele City	MT	Fallon	241.450	241.758	0.308	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.018
Steele City	MT	Fallon	241.758	241.933	0.175	MT025	Bonfri loam, 8 to 15 percent slopes	0.168
Steele City	MT	Fallon	241.933	242.978	1.045	MT025	Gerdrum clay loam, 2 to 8 percent slopes	1.014
Steele City	MT	Fallon	242.978	243.043	0.065	MT025	Neldore-Bascovy clays, 4 to 15 percent slopes	0.063
Steele City	MT	Fallon	243.043	243.189	0.146	MT025	Gerdrum clay loam, 2 to 8 percent slopes	0.141
Steele City	MT	Fallon	243.189	243.487	0.298	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.184
Steele City	MT	Fallon	243.487	243.576	0.090	MT025	Marvan silty clay, 2 to 8 percent slopes	0.088
Steele City	MT	Fallon	243.576	243.628	0.051	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.030
Steele City	MT	Fallon	243.628	243.893	0.265	MT025	Bascovy clay, 2 to 8 percent slopes	0.255
Steele City	MT	Fallon	243.893	244.083	0.189	MT025	Eapa loam, 2 to 8 percent slopes	0.187
Steele City	MT	Fallon	244.083	244.256	0.174	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	0.172
Steele City	MT	Fallon	244.256	244.335	0.079	MT025	Havre loam, 0 to 2 percent slopes	0.074
Steele City	MT	Fallon	244.335	244.662	0.327	MT025	Bonfri loam, 2 to 8 percent slopes	0.318
Steele City	MT	Fallon	244.662	244.728	0.066	MT025	Bonfri-Cambeth complex, 2 to 8 percent slopes	0.063
Steele City	MT	Fallon	244.728	244.862	0.134	MT025	Eapa loam, 2 to 8 percent slopes	0.133
Steele City	MT	Fallon	244.862	245.398	0.536	MT025	Bonfri-Cambeth complex, 2 to 8 percent slopes	0.509
Steele City	MT	Fallon	245.398	245.474	0.076	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.045
Steele City	MT	Fallon	245.474	245.588	0.114	MT025	Eapa loam, 2 to 8 percent slopes	0.113
Steele City	MT	Fallon	245.588	245.666	0.078	MT025	Bonfri loam, 2 to 8 percent slopes	0.075
Steele City	MT	Fallon	245.666	246.111	0.445	MT025	Eapa loam, 2 to 8 percent slopes	0.441
Steele City	MT	Fallon	246.111	246.149	0.038	MT025	Tanna-Ethridge silty clay loams, 2 to 8 percent slopes	0.036
Steele City	MT	Fallon	246.149	246.160	0.011	MT025	Gerdrum clay loam, 2 to 8 percent slopes	0.011
Steele City	MT	Fallon	246.160	246.772	0.612	MT025	Tanna-Ethridge silty clay loams, 2 to 8 percent slopes	0.575
Steele City	MT	Fallon	246.772	247.326	0.554	MT025	Bonfri-Cambeth complex, 2 to 8 percent slopes	0.526
Steele City	MT	Fallon	247.326	247.402	0.076	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.005

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	Fallon	247.402	247.443	0.041	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.029
Steele City	MT	Fallon	247.443	247.667	0.224	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.096
Steele City	MT	Fallon	247.667	247.791	0.123	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.092
Steele City	MT	Fallon	247.791	248.107	0.316	MT025	Tanna-Ethridge silty clay loams, 2 to 8 percent slopes	0.297
Steele City	MT	Fallon	248.107	248.327	0.220	MT025	Tanna-Ethridge silty clay loams, 8 to 15 percent slopes	0.200
Steele City	MT	Fallon	248.327	248.405	0.078	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.059
Steele City	MT	Fallon	248.405	248.673	0.268	MT025	Tanna-Ethridge silty clay loams, 8 to 15 percent slopes	0.244
Steele City	MT	Fallon	248.673	248.800	0.127	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.095
Steele City	MT	Fallon	248.800	249.185	0.385	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.166
Steele City	MT	Fallon	249.185	249.521	0.336	MT025	Bonfri loam, 2 to 8 percent slopes	0.326
Steele City	MT	Fallon	249.521	249.586	0.064	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.038
Steele City	MT	Fallon	249.586	249.689	0.103	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.007
Steele City	MT	Fallon	249.689	249.712	0.023	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.014
Steele City	MT	Fallon	249.712	249.722	0.010	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.001
Steele City	MT	Fallon	249.722	249.729	0.007	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.004
Steele City	MT	Fallon	249.729	249.729	0.001	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.000
Steele City	MT	Fallon	249.729	249.896	0.167	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.098
Steele City	MT	Fallon	249.896	250.039	0.143	MT025	Havre loam, 0 to 2 percent slopes	0.135
Steele City	MT	Fallon	250.039	250.123	0.083	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.006
Steele City	MT	Fallon	250.123	250.227	0.104	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.062
Steele City	MT	Fallon	250.227	250.306	0.079	MT025	Gerdrum clay loam, 2 to 8 percent slopes	0.077
Steele City	MT	Fallon	250.306	250.401	0.095	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.056
Steele City	MT	Fallon	250.401	250.619	0.219	MT025	Gerdrum clay loam, 2 to 8 percent slopes	0.212
Steele City	MT	Fallon	250.619	250.713	0.093	MT025	Havre loam, 0 to 2 percent slopes	0.088
Steele City	MT	Fallon	250.713	250.820	0.107	MT025	Bonfri-Cambeth complex, 2 to 8 percent slopes	0.102
Steele City	MT	Fallon	250.820	251.051	0.231	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.173
Steele City	MT	Fallon	251.051	251.129	0.079	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.046
Steele City	MT	Fallon	251.129	251.234	0.104	MT025	Cabbart silt loam, 4 to 15 percent slopes	0.009
Steele City	MT	Fallon	251.234	251.612	0.378	MT025	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	0.163
Steele City	MT	Fallon	251.612	251.671	0.059	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.044
Steele City	MT	Fallon	251.671	251.755	0.084	MT025	Tanna-Ethridge silty clay loams, 2 to 8 percent slopes	0.079
Steele City	MT	Fallon	251.755	251.983	0.227	MT025	Gerdrum clay loam, 2 to 8 percent slopes	0.220
Steele City	MT	Fallon	251.983	252.017	0.034	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.020
Steele City	MT	Fallon	252.017	252.128	0.112	MT025	Gerdrum clay loam, 2 to 8 percent slopes	0.108
Steele City	MT	Fallon	252.128	252.213	0.085	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.064
Steele City	MT	Fallon	252.213	252.602	0.389	MT025	Twilight fine sandy loam, 8 to 15 percent slopes	0.012
Steele City	MT	Fallon	252.602	253.070	0.467	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.276
Steele City	MT	Fallon	253.070	253.118	0.048	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.036
Steele City	MT	Fallon	253.118	253.303	0.185	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.109
Steele City	MT	Fallon	253.303	253.344	0.041	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.031
Steele City	MT	Fallon	253.344	253.465	0.120	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.071
Steele City	MT	Fallon	253.465	254.648	1.184	MT025	Cabbart-Rock outcrop-Delpoint complex, 15 to 50 percent slopes	0.888
Steele City	MT	Fallon	254.648	254.831	0.182	MT025	Badland	0.027
Steele City	MT	Fallon	254.831	254.884	0.053	MT025	Yamacall-Delpoint loams, 2 to 8 percent slopes	0.050
Steele City	MT	Fallon	254.884	255.083	0.199	MT025	Badland	0.030
Steele City	MT	Fallon	255.083	255.160	0.077	MT025	Twilight fine sandy loam, 2 to 8 percent slopes	0.002
Steele City	MT	Fallon	255.160	255.191	0.031	MT025	Badland	0.005
Steele City	MT	Fallon	255.191	255.334	0.143	MT025	Twilight fine sandy loam, 2 to 8 percent slopes	0.004
Steele City	MT	Fallon	255.334	255.466	0.132	MT025	Badland	0.020
Steele City	MT	Fallon	255.466	255.622	0.156	MT025	Twilight fine sandy loam, 2 to 8 percent slopes	0.005
Steele City	MT	Fallon	255.622	255.762	0.140	MT025	Yamacall-Delpoint loams, 2 to 8 percent slopes	0.131
Steele City	MT	Fallon	255.762	255.887	0.126	MT025	Archin loam, 2 to 8 percent slopes	0.118
Steele City	MT	Fallon	255.887	255.978	0.091	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.006
Steele City	MT	Fallon	255.978	256.139	0.161	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.087
Steele City	MT	Fallon	256.139	256.239	0.100	MT025	Creed loam, 2 to 8 percent slopes	0.097
Steele City	MT	Fallon	256.239	256.580	0.341	MT025	Carfall-Assinniboine complex, 2 to 8 percent slopes	0.314
Steele City	MT	Fallon	256.580	256.713	0.132	MT025	Carfall-Assinniboine complex, 8 to 15 percent slopes	0.120
Steele City	MT	Fallon	256.713	256.832	0.119	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.004
Steele City	MT	Fallon	256.832	256.860	0.028	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.027
Steele City	MT	Fallon	256.860	257.010	0.150	MT025	Archin loam, 2 to 8 percent slopes	0.141
Steele City	MT	Fallon	257.010	257.324	0.314	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.169
Steele City	MT	Fallon	257.324	257.541	0.216	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.006
Steele City	MT	Fallon	257.541	257.754	0.213	MT025	Carfall-Assinniboine complex, 2 to 8 percent slopes	0.196
Steele City	MT	Fallon	257.754	257.834	0.080	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.002

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	Fallon	257.834	258.018	0.184	MT025	Carfall-Assinniboine complex, 8 to 15 percent slopes	0.168
Steele City	MT	Fallon	258.018	258.141	0.123	MT025	Archin loam, 2 to 8 percent slopes	0.116
Steele City	MT	Fallon	258.141	258.176	0.035	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.002
Steele City	MT	Fallon	258.176	258.248	0.072	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.069
Steele City	MT	Fallon	258.248	258.310	0.062	MT025	Archin loam, 2 to 8 percent slopes	0.059
Steele City	MT	Fallon	258.310	258.341	0.031	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.030
Steele City	MT	Fallon	258.341	258.458	0.117	MT025	Havre loam, saline, 0 to 2 percent slopes	0.108
Steele City	MT	Fallon	258.458	258.584	0.126	MT025	Archin-Absher complex, 0 to 2 percent slopes	0.126
Steele City	MT	Fallon	258.584	258.693	0.109	MT025	Archin loam, 2 to 8 percent slopes	0.102
Steele City	MT	Fallon	258.693	258.826	0.133	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.129
Steele City	MT	Fallon	258.826	258.887	0.061	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.033
Steele City	MT	Fallon	258.887	258.954	0.067	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.065
Steele City	MT	Fallon	258.954	259.115	0.162	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.152
Steele City	MT	Fallon	259.115	259.321	0.205	MT025	Twilight-Bonfri complex, 8 to 15 percent slopes	0.074
Steele City	MT	Fallon	259.321	259.509	0.188	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.102
Steele City	MT	Fallon	259.509	259.610	0.101	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.004
Steele City	MT	Fallon	259.610	259.643	0.032	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.017
Steele City	MT	Fallon	259.643	259.753	0.111	MT025	Archin loam, 2 to 8 percent slopes	0.104
Steele City	MT	Fallon	259.753	259.900	0.147	MT025	Twilight-Bonfri complex, 8 to 15 percent slopes	0.053
Steele City	MT	Fallon	259.900	260.338	0.438	MT025	Carfall-Assinniboine complex, 2 to 8 percent slopes	0.403
Steele City	MT	Fallon	260.338	260.419	0.082	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.079
Steele City	MT	Fallon	260.419	260.626	0.207	MT025	Carfall-Assinniboine complex, 8 to 15 percent slopes	0.188
Steele City	MT	Fallon	260.626	260.813	0.187	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.101
Steele City	MT	Fallon	260.813	260.937	0.124	MT025	Carfall loam, 2 to 8 percent slopes	0.116
Steele City	MT	Fallon	260.937	261.046	0.109	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.059
Steele City	MT	Fallon	261.046	261.114	0.069	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.067
Steele City	MT	Fallon	261.114	261.274	0.159	MT025	Archin loam, 2 to 8 percent slopes	0.150
Steele City	MT	Fallon	261.274	261.344	0.071	MT025	Eapa-Yamacall loams, 2 to 8 percent slopes	0.071
Steele City	MT	Fallon	261.344	261.565	0.221	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.007
Steele City	MT	Fallon	261.565	262.119	0.554	MT025	Ynot sandy loam, 0 to 2 percent slopes	0.028
Steele City	MT	Fallon	262.119	262.365	0.246	MT025	Carfall loam, 2 to 8 percent slopes	0.232
Steele City	MT	Fallon	262.365	262.711	0.346	MT025	Hanly-Ryell fine sandy loams, 0 to 4 percent slopes	0.017
Steele City	MT	Fallon	262.711	262.767	0.056	MT025	Yawdim-Blacksheep-Rock outcrop complex, 15 to 45 percent slopes	0.026
Steele City	MT	Fallon	262.767	263.041	0.274	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.008
Steele City	MT	Fallon	263.041	263.477	0.436	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.201
Steele City	MT	Fallon	263.477	263.540	0.063	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.002
Steele City	MT	Fallon	263.540	263.591	0.051	MT025	Chinook sandy loam, 8 to 15 percent slopes	0.004
Steele City	MT	Fallon	263.591	263.625	0.034	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.001
Steele City	MT	Fallon	263.625	263.650	0.024	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.011
Steele City	MT	Fallon	263.650	263.693	0.043	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.001
Steele City	MT	Fallon	263.693	264.101	0.408	MT025	Chinook-Assinniboine complex, 2 to 8 percent slopes	0.188
Steele City	MT	Fallon	264.101	264.192	0.091	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.042
Steele City	MT	Fallon	264.192	264.270	0.078	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.004
Steele City	MT	Fallon	264.270	264.502	0.232	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.107
Steele City	MT	Fallon	264.502	264.618	0.115	MT025	Badland	0.017
Steele City	MT	Fallon	264.618	265.019	0.401	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.184
Steele City	MT	Fallon	265.019	265.129	0.110	MT025	Badland	0.017
Steele City	MT	Fallon	265.129	265.179	0.050	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.023
Steele City	MT	Fallon	265.179	265.611	0.432	MT025	Zeona-Blacksheep-Rock outcrop complex, 4 to 15 percent slopes	0.035
Steele City	MT	Fallon	265.611	265.637	0.025	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.012
Steele City	MT	Fallon	265.637	265.745	0.108	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	0.107
Steele City	MT	Fallon	265.745	266.152	0.407	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.187
Steele City	MT	Fallon	266.152	266.681	0.529	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.513
Steele City	MT	Fallon	266.681	266.867	0.186	MT025	Chinook-Assinniboine complex, 2 to 8 percent slopes	0.086
Steele City	MT	Fallon	266.867	267.043	0.176	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.007
Steele City	MT	Fallon	267.043	267.341	0.298	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.137
Steele City	MT	Fallon	267.341	267.462	0.121	MT025	Archin, gullied-Delpoint complex, 4 to 15 percent slopes	0.114
Steele City	MT	Fallon	267.462	267.612	0.150	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.006
Steele City	MT	Fallon	267.612	267.837	0.225	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.011
Steele City	MT	Fallon	267.837	268.158	0.321	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.013
Steele City	MT	Fallon	268.158	268.247	0.089	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.004
Steele City	MT	Fallon	268.247	268.916	0.669	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.649
Steele City	MT	Fallon	268.916	268.945	0.030	MT025	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.029
Steele City	MT	Fallon	268.945	269.163	0.217	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.009
Steele City	MT	Fallon	269.163	269.358	0.195	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.090
Steele City	MT	Fallon	269.358	269.403	0.045	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.043

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	Fallon	269.403	269.418	0.016	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.007
Steele City	MT	Fallon	269.418	269.518	0.099	MT025	Blacksheep-Twilight fine sandy loams, 15 to 45 percent slopes	0.004
Steele City	MT	Fallon	269.518	269.609	0.091	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.004
Steele City	MT	Fallon	269.609	269.612	0.003	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.000
Steele City	MT	Fallon	269.612	269.623	0.011	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.000
Steele City	MT	Fallon	269.623	269.734	0.112	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.007
Steele City	MT	Fallon	269.734	269.815	0.081	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.006
Steele City	MT	Fallon	269.815	269.832	0.017	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.009
Steele City	MT	Fallon	269.832	269.885	0.053	MT025	Busby fine sandy loam, 8 to 15 percent slopes	0.004
Steele City	MT	Fallon	269.885	269.921	0.036	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.019
Steele City	MT	Fallon	269.921	270.025	0.104	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.004
Steele City	MT	Fallon	270.025	270.201	0.176	MT025	Busby fine sandy loam, 2 to 8 percent slopes	0.011
Steele City	MT	Fallon	270.201	270.243	0.042	MT025	Yawdim-Blacksheep-Rock outcrop complex, 15 to 45 percent slopes	0.020
Steele City	MT	Fallon	270.243	270.293	0.050	MT025	Blacksheep-Twilight fine sandy loams, 15 to 45 percent slopes	0.002
Steele City	MT	Fallon	270.293	270.374	0.081	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.079
Steele City	MT	Fallon	270.374	270.451	0.077	MT025	Archin loam, 2 to 8 percent slopes	0.073
Steele City	MT	Fallon	270.451	270.484	0.033	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.032
Steele City	MT	Fallon	270.484	270.599	0.114	MT025	Archin loam, 2 to 8 percent slopes	0.108
Steele City	MT	Fallon	270.599	270.680	0.081	MT025	Ynot sandy loam, 8 to 15 percent slopes	0.004
Steele City	MT	Fallon	270.680	270.866	0.186	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.007
Steele City	MT	Fallon	270.866	270.970	0.104	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.048
Steele City	MT	Fallon	270.970	271.071	0.101	MT025	Twilight-Delpoint complex, 2 to 8 percent slopes	0.042
Steele City	MT	Fallon	271.071	271.135	0.064	MT025	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	0.003
Steele City	MT	Fallon	271.135	271.242	0.107	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.049
Steele City	MT	Fallon	271.242	271.681	0.439	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.022
Steele City	MT	Fallon	271.681	271.776	0.096	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.044
Steele City	MT	Fallon	271.776	271.791	0.015	MT025	Badland	0.002
Steele City	MT	Fallon	271.791	271.978	0.187	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.086
Steele City	MT	Fallon	271.978	272.064	0.086	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.004
Steele City	MT	Fallon	272.064	272.204	0.140	MT025	Busby, gullied-Delpoint-Yawdim complex, 8 to 25 percent slopes	0.090
Steele City	MT	Fallon	272.204	272.237	0.033	MT025	Twilight fine sandy loam, 2 to 8 percent slopes	0.001
Steele City	MT	Fallon	272.237	272.435	0.198	MT025	Blacksheep-Twilight fine sandy loams, 8 to 15 percent slopes	0.012
Steele City	MT	Fallon	272.435	272.537	0.102	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.047
Steele City	MT	Fallon	272.537	272.722	0.185	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.009
Steele City	MT	Fallon	272.722	272.855	0.133	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.061
Steele City	MT	Fallon	272.855	272.982	0.127	MT025	Archin loam, 2 to 8 percent slopes	0.120
Steele City	MT	Fallon	272.982	273.086	0.104	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	0.103
Steele City	MT	Fallon	273.086	273.144	0.057	MT025	Twilight-Cabbart complex, 8 to 15 percent slopes	0.005
Steele City	MT	Fallon	273.144	273.286	0.142	MT025	Ynot sandy loam, 8 to 15 percent slopes	0.007
Steele City	MT	Fallon	273.286	273.346	0.060	MT025	Assinniboine-Ynot complex, 2 to 8 percent slopes	0.036
Steele City	MT	Fallon	273.346	273.421	0.075	MT025	Twilight-Cabbart complex, 8 to 15 percent slopes	0.007
Steele City	MT	Fallon	273.421	273.527	0.106	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	0.105
Steele City	MT	Fallon	273.527	273.624	0.097	MT025	Eapa loam, 2 to 8 percent slopes	0.096
Steele City	MT	Fallon	273.624	273.704	0.079	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	0.078
Steele City	MT	Fallon	273.704	273.734	0.030	MT025	Archin loam, 2 to 8 percent slopes	0.029
Steele City	MT	Fallon	273.734	273.945	0.211	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.152
Steele City	MT	Fallon	273.945	274.031	0.086	MT025	Eapa loam, 2 to 8 percent slopes	0.085
Steele City	MT	Fallon	274.031	274.092	0.062	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.045
Steele City	MT	Fallon	274.092	274.115	0.023	MT025	Eapa loam, 2 to 8 percent slopes	0.023
Steele City	MT	Fallon	274.115	274.187	0.071	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.051
Steele City	MT	Fallon	274.187	274.228	0.041	MT025	Eapa loam, 2 to 8 percent slopes	0.041
Steele City	MT	Fallon	274.228	274.276	0.048	MT025	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	0.034
Steele City	MT	Fallon	274.276	274.342	0.067	MT025	Eapa loam, 2 to 8 percent slopes	0.066
Steele City	MT	Fallon	274.342	274.662	0.320	MT025	Bonfri-Cabbart loams, 8 to 15 percent slopes	0.189
Steele City	MT	Fallon	274.662	274.777	0.115	MT025	Tanna-Ethridge silty clay loams, 2 to 8 percent slopes	0.108
Steele City	MT	Fallon	274.777	274.977	0.200	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	0.196
Steele City	MT	Fallon	274.977	275.036	0.059	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.057
Steele City	MT	Fallon	275.036	275.129	0.092	MT025	Chinook-Archin complex, 2 to 8 percent slopes	0.043
Steele City	MT	Fallon	275.129	275.177	0.048	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.046
Steele City	MT	Fallon	275.177	275.244	0.067	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.063
Steele City	MT	Fallon	275.244	275.265	0.021	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	0.020
Steele City	MT	Fallon	275.265	275.293	0.029	MT025	Eapa loam, 2 to 8 percent slopes	0.028
Steele City	MT	Fallon	275.293	275.377	0.084	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	0.082

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	MT	Fallon	275.377	275.396	0.018	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.017
Steele City	MT	Fallon	275.396	275.483	0.088	MT025	Carfall-Assinniboine complex, 2 to 8 percent slopes	0.081
Steele City	MT	Fallon	275.483	275.669	0.185	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	0.182
Steele City	MT	Fallon	275.669	276.200	0.532	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.500
Steele City	MT	Fallon	276.200	276.284	0.083	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	0.082
Steele City	MT	Fallon	276.284	276.372	0.089	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.083
Steele City	MT	Fallon	276.372	277.002	0.630	MT025	Gerdrum-Absher complex, 2 to 8 percent slopes	0.624
Steele City	MT	Fallon	277.002	277.041	0.039	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	0.038
Steele City	MT	Fallon	277.041	277.605	0.564	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.304
Steele City	MT	Fallon	277.605	277.705	0.100	MT025	Ynot sandy loam, 2 to 8 percent slopes	0.003
Steele City	MT	Fallon	277.705	277.992	0.287	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.155
Steele City	MT	Fallon	277.992	278.377	0.384	MT025	Archin-Absher complex, 0 to 2 percent slopes	0.384
Steele City	MT	Fallon	278.377	278.655	0.278	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.150
Steele City	MT	Fallon	278.655	278.802	0.147	MT025	Archin-Absher complex, 0 to 2 percent slopes	0.147
Steele City	MT	Fallon	278.802	278.805	0.003	MT025	Archin-Ynot complex, 2 to 8 percent slopes	0.002
Steele City	MT	Fallon	278.805	279.071	0.266	MT025	Archin-Absher complex, 0 to 2 percent slopes	0.266
Steele City	MT	Fallon	279.071	279.196	0.125	MT025	Gerdrum-Absher complex, 0 to 2 percent slopes	0.124
Steele City	MT	Fallon	279.196	279.393	0.197	MT025	Busby, gullied-Delpoint-Yawdim complex, 8 to 25 percent slopes	0.126
Steele City	MT	Fallon	279.393	279.424	0.031	MT025	Archin loam, 2 to 8 percent slopes	0.029
Steele City	MT	Fallon	279.424	279.593	0.170	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	0.166
Steele City	MT	Fallon	279.593	279.637	0.044	MT025	Archin loam, 2 to 8 percent slopes	0.041
Steele City	MT	Fallon	279.637	279.732	0.095	MT025	Eapa-Yamacall loams, 2 to 8 percent slopes	0.095
Steele City	MT	Fallon	279.732	279.808	0.076	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	0.072
Steele City	MT	Fallon	279.808	279.904	0.096	MT025	Eapa-Yamacall loams, 2 to 8 percent slopes	0.096
Steele City	MT	Fallon	279.904	280.036	0.132	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	0.125
Steele City	MT	Fallon	280.036	280.247	0.211	MT025	Archin loam, 2 to 8 percent slopes	0.198
Steele City	MT	Fallon	280.247	280.279	0.032	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.031
Steele City	MT	Fallon	280.279	280.462	0.184	MT025	Archin loam, 2 to 8 percent slopes	0.173
Steele City	MT	Fallon	280.462	280.512	0.050	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.048
Steele City	MT	Fallon	280.512	280.691	0.179	MT025	Delpoint-Cabbart complex, 8 to 15 percent slopes	0.111
Steele City	MT	Fallon	280.691	280.801	0.111	MT025	Archin-Absher complex, 2 to 8 percent slopes	0.107
Steele City	MT	Fallon	280.801	281.042	0.241	MT025	Creed-Gerdrum complex, 2 to 8 percent slopes	0.236
Steele City	MT	Fallon	281.042	281.102	0.060	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.056
Steele City	MT	Fallon	281.102	281.181	0.078	MT025	Archin loam, 2 to 8 percent slopes	0.074
Steele City	MT	Fallon	281.181	281.236	0.055	MT025	Assinniboine sandy clay loam, 0 to 2 percent slopes	0.055
Steele City	MT	Fallon	281.236	281.315	0.079	MT025	Archin loam, 2 to 8 percent slopes	0.075
Steele City	MT	Fallon	281.315	281.424	0.109	MT025	Glendive sandy loam, 0 to 2 percent slopes	0.007
Steele City	MT	Fallon	281.436	281.478	0.042	MT025	Glendive sandy loam, 0 to 2 percent slopes	0.003
Steele City	MT	Fallon	281.478	281.862	0.384	MT025	Eapa-Yamacall loams, 2 to 8 percent slopes	0.384
Steele City	MT	Fallon	281.862	281.980	0.118	MT025	Yamacall-Cabbart loams, 15 to 35 percent slopes	0.111
Steele City	MT	Fallon	281.980	282.070	0.090	MT025	Parchin-Bullock complex, 2 to 8 percent slopes	0.087
Steele City	MT	Fallon	282.070	282.176	0.106	MT025	Archin loam, 2 to 8 percent slopes	0.100
Steele City	MT	Fallon	282.176	282.403	0.227	MT025	Bonfri-Parchin complex, 2 to 8 percent slopes	0.216
Steele City	MT	Fallon	282.403	282.465	0.061	MT025	Parchin-Bullock complex, 2 to 8 percent slopes	0.060
Steele City	MT	Fallon	282.465	282.518	0.053	MT025	Twilight-Bonfri complex, 2 to 8 percent slopes	0.019
Steele City	SD	Harding	282.518	282.546	0.028	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.011
Steele City	SD	Harding	282.546	282.719	0.173	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.152
Steele City	SD	Harding	282.719	282.809	0.090	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.084
Steele City	SD	Harding	282.809	282.967	0.158	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.055
Steele City	SD	Harding	282.967	283.036	0.068	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.064
Steele City	SD	Harding	283.036	283.112	0.076	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.027
Steele City	SD	Harding	283.112	283.603	0.491	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.196
Steele City	SD	Harding	283.603	283.812	0.209	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.134
Steele City	SD	Harding	283.812	284.039	0.228	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.091
Steele City	SD	Harding	284.039	284.198	0.159	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.140
Steele City	SD	Harding	284.198	284.589	0.390	SD063	Badlands	0.043
Steele City	SD	Harding	284.589	284.944	0.356	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.313
Steele City	SD	Harding	284.944	284.965	0.021	SD063	Cabbart-Delridge loams, 15 to 40 percent slopes	0.019
Steele City	SD	Harding	284.965	285.059	0.094	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.083
Steele City	SD	Harding	285.059	285.108	0.049	SD063	Cabbart-Delridge loams, 15 to 40 percent slopes	0.043
Steele City	SD	Harding	285.108	285.194	0.086	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.076
Steele City	SD	Harding	285.194	285.220	0.027	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.025
Steele City	SD	Harding	285.220	285.575	0.355	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.312
Steele City	SD	Harding	285.575	285.681	0.105	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.098
Steele City	SD	Harding	285.681	285.742	0.061	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.024
Steele City	SD	Harding	285.742	285.763	0.022	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.019
Steele City	SD	Harding	285.763	285.829	0.066	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.026
Steele City	SD	Harding	285.829	286.215	0.385	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.339
Steele City	SD	Harding	286.215	286.276	0.061	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.057
Steele City	SD	Harding	286.276	286.323	0.048	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.042
Steele City	SD	Harding	286.323	286.346	0.022	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.021
Steele City	SD	Harding	286.346	286.464	0.118	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.104

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Harding	286.464	286.544	0.080	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.074
Steele City	SD	Harding	286.544	286.718	0.175	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.154
Steele City	SD	Harding	286.718	286.876	0.158	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	0.063
Steele City	SD	Harding	286.876	286.994	0.118	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.110
Steele City	SD	Harding	286.994	287.083	0.089	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	0.035
Steele City	SD	Harding	287.083	287.184	0.101	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.041
Steele City	SD	Harding	287.184	287.279	0.095	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	0.038
Steele City	SD	Harding	287.279	287.641	0.363	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.073
Steele City	SD	Harding	287.641	287.711	0.070	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	0.028
Steele City	SD	Harding	287.711	287.754	0.043	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.009
Steele City	SD	Harding	287.754	287.923	0.168	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.156
Steele City	SD	Harding	287.923	287.942	0.019	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.019
Steele City	SD	Harding	287.942	287.991	0.049	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.046
Steele City	SD	Harding	287.991	288.038	0.047	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.046
Steele City	SD	Harding	288.038	288.226	0.188	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.175
Steele City	SD	Harding	288.226	288.263	0.037	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.033
Steele City	SD	Harding	288.263	288.375	0.112	SD063	Delridge-Cabbart loams, 6 to 15 percent slopes	0.105
Steele City	SD	Harding	288.375	288.443	0.068	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.066
Steele City	SD	Harding	288.443	288.663	0.220	SD063	Delridge-Cabbart loams, 6 to 15 percent slopes	0.207
Steele City	SD	Harding	288.663	288.748	0.085	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.082
Steele City	SD	Harding	288.748	288.953	0.205	SD063	Gerdrum silt loam, 0 to 4 percent slopes	0.205
Steele City	SD	Harding	288.953	288.983	0.030	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.029
Steele City	SD	Harding	288.983	289.057	0.075	SD063	Gerdrum silt loam, 0 to 4 percent slopes	0.075
Steele City	SD	Harding	289.057	289.167	0.110	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.107
Steele City	SD	Harding	289.167	289.282	0.114	SD063	Gerdrum silt loam, 0 to 4 percent slopes	0.114
Steele City	SD	Harding	289.282	289.441	0.160	SD063	Eapa-Archin complex, 0 to 3 percent slopes	0.150
Steele City	SD	Harding	289.441	289.498	0.056	SD063	Sage loam	0.056
Steele City	SD	Harding	289.498	289.672	0.174	SD063	Korchea loam, channeled	0.167
Steele City	SD	Harding	289.672	289.923	0.252	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.161
Steele City	SD	Harding	289.923	289.955	0.032	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.030
Steele City	SD	Harding	289.955	289.973	0.018	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.006
Steele City	SD	Harding	289.973	290.024	0.051	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.047
Steele City	SD	Harding	290.024	290.206	0.181	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.063
Steele City	SD	Harding	290.206	290.675	0.470	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.437
Steele City	SD	Harding	290.675	290.755	0.079	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.028
Steele City	SD	Harding	290.755	290.907	0.153	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.142
Steele City	SD	Harding	290.907	290.931	0.024	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.009
Steele City	SD	Harding	290.931	291.031	0.100	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.093
Steele City	SD	Harding	291.031	291.187	0.156	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.137
Steele City	SD	Harding	291.187	291.271	0.084	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.034
Steele City	SD	Harding	291.271	291.414	0.143	SD063	Bullock-Slickspots complex, 0 to 4 percent slopes	0.137
Steele City	SD	Harding	291.414	291.722	0.308	SD063	Gerdrum silt loam, 0 to 4 percent slopes	0.308
Steele City	SD	Harding	291.722	291.883	0.161	SD063	Havre loam	0.156
Steele City	SD	Harding	291.883	292.058	0.174	SD063	Glendive fine sandy loam	0.174
Steele City	SD	Harding	292.093	292.122	0.029	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.019
Steele City	SD	Harding	292.122	292.438	0.316	SD063	Havre-Harlake complex	0.297
Steele City	SD	Harding	292.438	292.460	0.022	SD063	Glendive fine sandy loam	0.022
Steele City	SD	Harding	292.460	292.584	0.123	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.079
Steele City	SD	Harding	292.584	292.822	0.238	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.222
Steele City	SD	Harding	292.822	293.265	0.443	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.089
Steele City	SD	Harding	293.265	293.320	0.055	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.007
Steele City	SD	Harding	293.320	293.947	0.627	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.251
Steele City	SD	Harding	293.947	293.964	0.016	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.010
Steele City	SD	Harding	293.964	294.010	0.046	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.018
Steele City	SD	Harding	294.010	294.113	0.103	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.066
Steele City	SD	Harding	294.113	294.119	0.006	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.006
Steele City	SD	Harding	294.119	294.204	0.085	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.083
Steele City	SD	Harding	294.204	294.257	0.053	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.049
Steele City	SD	Harding	294.257	294.288	0.031	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.030
Steele City	SD	Harding	294.288	294.351	0.063	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.059
Steele City	SD	Harding	294.351	294.403	0.051	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.050
Steele City	SD	Harding	294.403	294.519	0.116	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.108
Steele City	SD	Harding	294.519	294.614	0.096	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.093
Steele City	SD	Harding	294.614	294.680	0.066	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.061
Steele City	SD	Harding	294.680	294.997	0.316	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.307
Steele City	SD	Harding	294.997	295.077	0.081	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.075
Steele City	SD	Harding	295.077	295.216	0.139	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.135
Steele City	SD	Harding	295.216	295.346	0.129	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.120
Steele City	SD	Harding	295.346	295.423	0.078	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.076

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Harding	295.423	295.545	0.121	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.107
Steele City	SD	Harding	295.545	295.602	0.057	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.053
Steele City	SD	Harding	295.602	295.757	0.156	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.137
Steele City	SD	Harding	295.757	296.084	0.326	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.284
Steele City	SD	Harding	296.084	296.384	0.300	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.279
Steele City	SD	Harding	296.384	296.734	0.350	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.140
Steele City	SD	Harding	296.734	297.013	0.279	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.271
Steele City	SD	Harding	297.013	297.255	0.242	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.225
Steele City	SD	Harding	297.255	297.605	0.349	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.339
Steele City	SD	Harding	297.605	297.834	0.229	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.215
Steele City	SD	Harding	297.834	297.962	0.129	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.052
Steele City	SD	Harding	297.962	298.037	0.075	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.015
Steele City	SD	Harding	298.037	298.200	0.163	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.065
Steele City	SD	Harding	298.200	298.274	0.074	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.064
Steele City	SD	Harding	298.274	298.488	0.214	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.086
Steele City	SD	Harding	298.488	299.094	0.605	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.563
Steele City	SD	Harding	299.094	299.175	0.082	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.029
Steele City	SD	Harding	299.175	299.605	0.429	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.399
Steele City	SD	Harding	299.605	299.736	0.132	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.053
Steele City	SD	Harding	299.736	299.782	0.046	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.009
Steele City	SD	Harding	299.782	299.829	0.047	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.019
Steele City	SD	Harding	299.829	299.926	0.098	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.034
Steele City	SD	Harding	299.926	299.979	0.052	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.048
Steele City	SD	Harding	299.979	300.010	0.031	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.011
Steele City	SD	Harding	300.010	300.053	0.043	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.040
Steele City	SD	Harding	300.053	300.174	0.121	SD063	Sage loam	0.121
Steele City	SD	Harding	300.174	300.235	0.061	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.024
Steele City	SD	Harding	300.235	300.359	0.125	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.110
Steele City	SD	Harding	300.359	300.441	0.082	SD063	Sage loam	0.082
Steele City	SD	Harding	300.441	300.744	0.303	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.121
Steele City	SD	Harding	300.744	300.826	0.082	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.076
Steele City	SD	Harding	300.826	300.993	0.167	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.033
Steele City	SD	Harding	300.993	301.214	0.221	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.088
Steele City	SD	Harding	301.214	301.276	0.062	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.060
Steele City	SD	Harding	301.276	301.450	0.175	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.162
Steele City	SD	Harding	301.450	301.538	0.088	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.085
Steele City	SD	Harding	301.538	301.797	0.258	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.227
Steele City	SD	Harding	301.797	302.019	0.222	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.078
Steele City	SD	Harding	302.019	302.214	0.195	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.039
Steele City	SD	Harding	302.214	302.696	0.482	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.309
Steele City	SD	Harding	302.696	302.726	0.029	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.027
Steele City	SD	Harding	302.726	303.245	0.520	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.208
Steele City	SD	Harding	303.245	303.396	0.151	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.147
Steele City	SD	Harding	303.396	303.805	0.409	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.082
Steele City	SD	Harding	303.805	303.893	0.088	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.035
Steele City	SD	Harding	303.893	304.121	0.228	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.146
Steele City	SD	Harding	304.121	304.251	0.130	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.126
Steele City	SD	Harding	304.251	304.431	0.179	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.167
Steele City	SD	Harding	304.431	304.601	0.170	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.170
Steele City	SD	Harding	304.601	304.668	0.067	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.059
Steele City	SD	Harding	304.668	304.869	0.201	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.195
Steele City	SD	Harding	304.869	305.174	0.305	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.268
Steele City	SD	Harding	305.174	305.283	0.109	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.044
Steele City	SD	Harding	305.283	305.360	0.078	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.009
Steele City	SD	Harding	305.360	305.474	0.114	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.040
Steele City	SD	Harding	305.474	305.729	0.255	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.031
Steele City	SD	Harding	305.729	306.062	0.333	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.116
Steele City	SD	Harding	306.062	306.512	0.451	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.424
Steele City	SD	Harding	306.512	306.541	0.028	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.028
Steele City	SD	Harding	306.541	306.717	0.176	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.171
Steele City	SD	Harding	306.717	307.079	0.361	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.126
Steele City	SD	Harding	307.079	307.185	0.106	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.043
Steele City	SD	Harding	307.185	307.379	0.194	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.180
Steele City	SD	Harding	307.379	307.494	0.116	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.112
Steele City	SD	Harding	307.494	307.601	0.106	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.099
Steele City	SD	Harding	307.601	307.830	0.229	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.201
Steele City	SD	Harding	307.830	307.947	0.118	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.047
Steele City	SD	Harding	307.947	308.031	0.084	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.078
Steele City	SD	Harding	308.031	308.108	0.076	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.015
Steele City	SD	Harding	308.108	308.620	0.512	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.451
Steele City	SD	Harding	308.620	308.670	0.051	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.032

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Harding	308.670	308.772	0.102	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.099
Steele City	SD	Harding	308.772	308.963	0.191	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.166
Steele City	SD	Harding	308.963	309.210	0.247	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.240
Steele City	SD	Harding	309.210	309.420	0.210	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.185
Steele City	SD	Harding	309.420	309.575	0.155	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.099
Steele City	SD	Harding	309.575	310.006	0.431	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.086
Steele City	SD	Harding	310.006	310.105	0.100	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.064
Steele City	SD	Harding	310.105	310.305	0.199	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.040
Steele City	SD	Harding	310.305	310.564	0.260	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.242
Steele City	SD	Harding	310.564	310.601	0.037	SD063	Badlands	0.004
Steele City	SD	Harding	310.601	310.648	0.047	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.041
Steele City	SD	Harding	310.648	310.838	0.191	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.076
Steele City	SD	Harding	310.838	311.140	0.301	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.193
Steele City	SD	Harding	311.140	311.419	0.279	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.112
Steele City	SD	Harding	311.419	311.600	0.181	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.168
Steele City	SD	Harding	311.600	311.884	0.284	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.114
Steele City	SD	Harding	311.884	312.030	0.145	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.135
Steele City	SD	Harding	312.030	312.666	0.636	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.255
Steele City	SD	Harding	312.666	312.866	0.200	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.186
Steele City	SD	Harding	312.866	313.152	0.286	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.252
Steele City	SD	Harding	313.152	313.314	0.161	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.024
Steele City	SD	Harding	313.314	313.372	0.059	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.052
Steele City	SD	Harding	313.372	313.514	0.142	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.057
Steele City	SD	Harding	313.514	313.673	0.159	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.032
Steele City	SD	Harding	313.673	313.773	0.100	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.035
Steele City	SD	Harding	313.773	313.869	0.096	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.011
Steele City	SD	Harding	313.869	313.970	0.101	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.035
Steele City	SD	Harding	313.970	314.278	0.308	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.123
Steele City	SD	Harding	314.278	314.406	0.128	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.015
Steele City	SD	Harding	314.406	314.696	0.291	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	0.049
Steele City	SD	Harding	314.696	314.781	0.085	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.034
Steele City	SD	Harding	314.781	314.879	0.098	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.020
Steele City	SD	Harding	314.879	314.912	0.033	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.004
Steele City	SD	Harding	314.912	315.098	0.186	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.028
Steele City	SD	Harding	315.098	315.284	0.186	SD063	Marmarth fine sandy loam, 2 to 6 percent slopes	0.174
Steele City	SD	Harding	315.284	315.342	0.058	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.020
Steele City	SD	Harding	315.342	315.462	0.121	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.018
Steele City	SD	Harding	315.462	315.579	0.117	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.041
Steele City	SD	Harding	315.579	315.866	0.287	SD063	Assinniboine fine sandy loam, 3 to 6 percent slopes	0.287
Steele City	SD	Harding	315.866	315.950	0.084	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.078
Steele City	SD	Harding	315.950	316.353	0.404	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.048
Steele City	SD	Harding	316.353	316.591	0.238	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.083
Steele City	SD	Harding	316.591	316.739	0.148	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.144
Steele City	SD	Harding	316.739	317.243	0.504	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.176
Steele City	SD	Harding	317.243	317.503	0.260	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.253
Steele City	SD	Harding	317.503	317.780	0.276	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.243
Steele City	SD	Harding	317.780	318.027	0.247	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.099
Steele City	SD	Harding	318.027	318.040	0.014	SD063	Hanly fine sandy loam	0.002
Steele City	SD	Harding	318.040	318.143	0.103	SD063	Hanly-Dogiecreek fine sandy loams	0.021
Steele City	SD	Harding	318.143	318.359	0.216	SD063	Trey-Parchin-Bullock complex, 2 to 9 percent slopes	0.099
Steele City	SD	Harding	318.359	318.420	0.060	SD063	Zeona-Blownout land complex, 2 to 15 percent slopes	0.003
Steele City	SD	Harding	318.420	318.544	0.124	SD063	Trey-Parchin-Bullock complex, 2 to 9 percent slopes	0.057
Steele City	SD	Harding	318.544	318.602	0.058	SD063	Zeona-Blownout land complex, 2 to 15 percent slopes	0.003
Steele City	SD	Harding	318.602	318.820	0.217	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	0.017
Steele City	SD	Harding	318.820	319.486	0.666	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	0.113
Steele City	SD	Harding	319.486	319.855	0.369	SD063	Zeona loamy fine sand, 9 to 25 percent slopes	0.037
Steele City	SD	Harding	319.855	319.928	0.072	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	0.012
Steele City	SD	Harding	319.928	320.009	0.081	SD063	Zeona loamy fine sand, 9 to 25 percent slopes	0.008
Steele City	SD	Harding	320.009	320.064	0.055	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	0.009
Steele City	SD	Harding	320.064	320.607	0.543	SD063	Zeona loamy fine sand, 9 to 25 percent slopes	0.054
Steele City	SD	Harding	320.607	320.725	0.118	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	0.009
Steele City	SD	Harding	320.725	321.763	1.037	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.124
Steele City	SD	Harding	321.763	321.809	0.047	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	0.004
Steele City	SD	Harding	321.809	321.875	0.066	SD063	Chinook fine sandy loam, 0 to 3 percent slopes	0.010
Steele City	SD	Harding	321.875	321.946	0.070	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	0.006
Steele City	SD	Harding	321.946	322.051	0.106	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.016
Steele City	SD	Harding	322.051	322.143	0.092	SD063	Chinook fine sandy loam, 0 to 3 percent slopes	0.014
Steele City	SD	Harding	322.143	322.637	0.494	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.074
Steele City	SD	Harding	322.637	322.797	0.160	SD063	Chinook-Archin fine sandy loams, 0 to 3 percent slopes	0.072
Steele City	SD	Harding	322.797	323.017	0.219	SD063	Chinook fine sandy loam, 0 to 3 percent slopes	0.033
Steele City	SD	Harding	323.017	323.108	0.092	SD063	Hanly-Dogiecreek fine sandy loams	0.018
Steele City	SD	Harding	323.108	323.209	0.100	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	0.008
Steele City	SD	Harding	323.209	323.250	0.042	SD063	Zeona-Blownout land complex, 2 to 15 percent slopes	0.002

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Harding	323.250	323.315	0.065	SD063	Trey-Parchin-Bullock complex, 2 to 9 percent slopes	0.030
Steele City	SD	Harding	323.315	323.478	0.162	SD063	Hanly-Slickspots complex	0.063
Steele City	SD	Harding	323.478	323.547	0.069	SD063	Zeona loamy fine sand, 2 to 9 percent slopes	0.006
Steele City	SD	Harding	323.547	323.740	0.193	SD063	Fleak-Trey-Rock outcrop complex, 15 to 50 percent slopes	0.019
Steele City	SD	Harding	323.740	324.028	0.288	SD063	Trey loamy fine sand, 2 to 9 percent slopes	0.023
Steele City	SD	Harding	324.028	324.561	0.534	SD063	Fleak-Trey-Rock outcrop complex, 15 to 50 percent slopes	0.053
Steele City	SD	Harding	324.561	324.956	0.395	SD063	Zeona-Blownout land complex, 2 to 15 percent slopes	0.020
Steele City	SD	Harding	324.956	325.176	0.220	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	0.037
Steele City	SD	Harding	325.176	325.481	0.305	SD063	Fleak-Trey-Rock outcrop complex, 15 to 50 percent slopes	0.030
Steele City	SD	Harding	325.481	325.567	0.086	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.010
Steele City	SD	Harding	325.567	325.619	0.052	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.018
Steele City	SD	Harding	325.619	325.663	0.044	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.005
Steele City	SD	Harding	325.663	326.001	0.339	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.118
Steele City	SD	Harding	326.001	326.301	0.300	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.045
Steele City	SD	Harding	326.301	326.416	0.114	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.014
Steele City	SD	Harding	326.416	326.663	0.248	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.248
Steele City	SD	Harding	326.663	326.702	0.039	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.014
Steele City	SD	Harding	326.702	326.875	0.172	SD063	Assinniboine fine sandy loam, 3 to 6 percent slopes	0.172
Steele City	SD	Harding	326.875	326.908	0.033	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.033
Steele City	SD	Harding	326.908	327.167	0.259	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.241
Steele City	SD	Harding	327.167	327.366	0.199	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.070
Steele City	SD	Harding	327.366	327.625	0.259	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.039
Steele City	SD	Harding	327.625	327.724	0.099	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.092
Steele City	SD	Harding	327.724	328.152	0.428	SD063	Rhame fine sandy loam, 2 to 6 percent slopes	0.064
Steele City	SD	Harding	328.152	328.202	0.050	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.047
Steele City	SD	Harding	328.202	328.373	0.170	SD063	Gerdrum silt loam, 0 to 4 percent slopes	0.170
Steele City	SD	Harding	328.373	328.390	0.018	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.017
Steele City	SD	Harding	328.390	328.397	0.007	SD063	Gerdrum silt loam, 0 to 4 percent slopes	0.007
Steele City	SD	Harding	328.397	328.514	0.117	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.113
Steele City	SD	Harding	328.514	328.581	0.067	SD063	Korchea loam	0.067
Steele City	SD	Harding	328.581	328.945	0.363	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.352
Steele City	SD	Harding	328.945	329.068	0.123	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.079
Steele City	SD	Harding	329.068	329.131	0.063	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.058
Steele City	SD	Harding	329.131	329.207	0.076	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.049
Steele City	SD	Harding	329.207	329.335	0.128	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.113
Steele City	SD	Harding	329.335	329.483	0.148	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.138
Steele City	SD	Harding	329.483	329.646	0.164	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.144
Steele City	SD	Harding	329.646	329.693	0.047	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.044
Steele City	SD	Harding	329.693	329.761	0.068	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.060
Steele City	SD	Harding	329.761	329.839	0.078	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.072
Steele City	SD	Harding	329.839	330.339	0.500	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.440
Steele City	SD	Harding	330.339	330.405	0.067	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.027
Steele City	SD	Harding	330.405	330.429	0.023	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.022
Steele City	SD	Harding	330.429	330.457	0.029	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.025
Steele City	SD	Harding	330.457	330.628	0.171	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.161
Steele City	SD	Harding	330.628	330.731	0.103	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.100
Steele City	SD	Harding	330.731	330.854	0.123	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.116
Steele City	SD	Harding	330.854	330.948	0.093	SD063	Cabbart loam, 6 to 60 percent slopes, extremely stony	0.086
Steele City	SD	Harding	330.948	331.053	0.105	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.091
Steele City	SD	Harding	331.053	331.539	0.486	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.428
Steele City	SD	Harding	331.539	331.846	0.308	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.298
Steele City	SD	Harding	331.846	332.259	0.412	SD063	Tanna-Rhoades complex, 2 to 9 percent slopes	0.412
Steele City	SD	Harding	332.259	332.524	0.265	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.246
Steele City	SD	Harding	332.524	332.577	0.053	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.052
Steele City	SD	Harding	332.577	333.068	0.491	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.432
Steele City	SD	Harding	333.068	333.101	0.033	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.031
Steele City	SD	Harding	333.101	333.131	0.031	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.027
Steele City	SD	Harding	333.131	333.339	0.208	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.193
Steele City	SD	Harding	333.339	333.589	0.249	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.217
Steele City	SD	Harding	333.589	333.659	0.071	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.062
Steele City	SD	Harding	333.659	333.745	0.086	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.075
Steele City	SD	Harding	333.745	333.901	0.155	SD063	Marmarth-Twilight fine sandy loams, 9 to 15 percent slopes	0.098
Steele City	SD	Harding	333.901	334.072	0.172	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.069
Steele City	SD	Harding	334.072	334.170	0.098	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.063
Steele City	SD	Harding	334.170	334.235	0.065	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.023
Steele City	SD	Harding	334.235	334.389	0.154	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.136
Steele City	SD	Harding	334.389	334.489	0.101	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.040
Steele City	SD	Harding	334.489	334.537	0.048	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.044
Steele City	SD	Harding	334.537	335.651	1.114	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.446
Steele City	SD	Harding	335.651	335.747	0.096	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.019
Steele City	SD	Harding	335.747	335.884	0.137	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.055

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Harding	335.884	336.030	0.146	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.029
Steele City	SD	Harding	336.030	336.193	0.162	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.065
Steele City	SD	Harding	336.193	336.348	0.156	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.145
Steele City	SD	Harding	336.348	336.526	0.178	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.156
Steele City	SD	Harding	336.526	336.626	0.100	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.020
Steele City	SD	Harding	336.626	336.792	0.165	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.066
Steele City	SD	Harding	336.792	336.958	0.167	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.155
Steele City	SD	Harding	336.958	337.122	0.164	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.033
Steele City	SD	Harding	337.122	337.207	0.084	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.073
Steele City	SD	Harding	337.207	337.346	0.140	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.130
Steele City	SD	Harding	337.346	337.425	0.079	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.069
Steele City	SD	Harding	337.425	337.546	0.120	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.112
Steele City	SD	Harding	337.546	337.973	0.427	SD063	Gerdrum silt loam, 0 to 4 percent slopes	0.427
Steele City	SD	Harding	337.973	338.069	0.096	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.038
Steele City	SD	Harding	338.069	338.237	0.168	SD063	Gerdrum silt loam, 0 to 4 percent slopes	0.168
Steele City	SD	Harding	338.237	338.405	0.168	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.156
Steele City	SD	Harding	338.405	338.544	0.139	SD063	Cabbart-Delridge loams, 15 to 40 percent slopes	0.124
Steele City	SD	Harding	338.544	338.714	0.171	SD063	Korchea loam, channeled	0.164
Steele City	SD	Harding	338.714	338.814	0.099	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.035
Steele City	SD	Harding	338.814	338.952	0.139	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.122
Steele City	SD	Harding	338.952	339.045	0.093	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.033
Steele City	SD	Harding	339.045	339.251	0.205	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.205
Steele City	SD	Harding	339.251	339.440	0.189	SD063	Gerdrum silt loam, 0 to 4 percent slopes	0.189
Steele City	SD	Harding	339.440	339.527	0.087	SD063	Assinniboine fine sandy loam, 0 to 3 percent slopes	0.087
Steele City	SD	Harding	339.527	339.630	0.103	SD063	Havre-Harlake complex	0.097
Steele City	SD	Harding	339.630	339.710	0.080	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.028
Steele City	SD	Harding	339.710	340.008	0.298	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.298
Steele City	SD	Harding	340.008	340.190	0.182	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.171
Steele City	SD	Harding	340.190	340.440	0.250	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.243
Steele City	SD	Harding	340.440	340.577	0.137	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.055
Steele City	SD	Harding	340.577	340.610	0.033	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.031
Steele City	SD	Harding	340.610	340.658	0.048	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.019
Steele City	SD	Harding	340.658	340.718	0.061	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.056
Steele City	SD	Harding	340.718	340.773	0.055	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.052
Steele City	SD	Harding	340.773	340.881	0.108	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.100
Steele City	SD	Harding	340.881	341.605	0.724	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.681
Steele City	SD	Harding	341.605	341.664	0.059	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.059
Steele City	SD	Harding	341.664	341.727	0.063	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.059
Steele City	SD	Harding	341.727	341.830	0.103	SD063	Assinniboine fine sandy loam, 0 to 3 percent slopes	0.103
Steele City	SD	Harding	341.830	341.993	0.163	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.153
Steele City	SD	Harding	341.993	342.073	0.080	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.070
Steele City	SD	Harding	342.073	342.156	0.083	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.078
Steele City	SD	Harding	342.156	342.271	0.116	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.112
Steele City	SD	Harding	342.271	342.380	0.108	SD063	Bullock-Slickspots complex, 0 to 4 percent slopes	0.104
Steele City	SD	Harding	342.380	342.570	0.190	SD063	Marmarth-Parchin fine sandy loams, 2 to 6 percent slopes	0.165
Steele City	SD	Harding	342.570	342.819	0.250	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.232
Steele City	SD	Harding	342.819	342.938	0.118	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.104
Steele City	SD	Harding	342.938	343.150	0.213	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.198
Steele City	SD	Harding	343.150	343.277	0.126	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.051
Steele City	SD	Harding	343.277	343.690	0.413	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.413
Steele City	SD	Harding	343.690	343.749	0.059	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.055
Steele City	SD	Harding	343.749	343.836	0.087	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.030
Steele City	SD	Harding	343.836	344.091	0.255	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.224
Steele City	SD	Harding	344.091	344.149	0.058	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.007
Steele City	SD	Harding	344.149	344.414	0.265	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.246
Steele City	SD	Harding	344.414	344.423	0.010	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.008
Steele City	SD	Harding	344.423	344.625	0.202	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.188
Steele City	SD	Harding	344.625	344.684	0.059	SD063	Twilight fine sandy loam, 6 to 9 percent slopes	0.007
Steele City	SD	Harding	344.684	344.917	0.233	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.217
Steele City	SD	Harding	344.917	344.999	0.082	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.029
Steele City	SD	Harding	344.999	345.192	0.193	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.077
Steele City	SD	Harding	345.192	345.338	0.146	SD063	Chinook fine sandy loam, 0 to 3 percent slopes	0.022
Steele City	SD	Harding	345.338	345.468	0.129	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.052
Steele City	SD	Harding	345.468	346.286	0.818	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.286
Steele City	SD	Harding	346.286	346.338	0.052	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.046
Steele City	SD	Harding	346.338	346.362	0.024	SD063	Bullock-Slickspots complex, 0 to 4 percent slopes	0.023
Steele City	SD	Harding	346.362	346.514	0.153	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.134
Steele City	SD	Harding	346.514	346.649	0.135	SD063	Bullock-Slickspots complex, 0 to 4 percent slopes	0.130
Steele City	SD	Harding	346.649	346.747	0.098	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.086

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Harding	346.747	346.791	0.044	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.017
Steele City	SD	Harding	346.791	346.863	0.072	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.025
Steele City	SD	Harding	346.863	346.884	0.021	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.008
Steele City	SD	Harding	346.884	347.000	0.117	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.113
Steele City	SD	Harding	347.000	347.062	0.062	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.012
Steele City	SD	Harding	347.062	347.140	0.078	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.031
Steele City	SD	Harding	347.140	347.158	0.018	SD063	Hanly loamy fine sand	0.002
Steele City	SD	Harding	347.158	347.352	0.195	SD063	Sage loam	0.195
Steele City	SD	Harding	347.352	347.456	0.103	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.021
Steele City	SD	Harding	347.456	347.780	0.324	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.314
Steele City	SD	Harding	347.780	347.899	0.120	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.024
Steele City	SD	Harding	347.899	347.969	0.069	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.067
Steele City	SD	Harding	347.969	348.051	0.082	SD063	Cabbart-Delridge loams, 15 to 40 percent slopes	0.073
Steele City	SD	Harding	348.051	348.225	0.175	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.112
Steele City	SD	Harding	348.225	348.371	0.146	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.137
Steele City	SD	Harding	348.371	348.383	0.012	SD063	Chinook-Archin fine sandy loams, 0 to 3 percent slopes	0.006
Steele City	SD	Harding	348.383	348.406	0.023	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.022
Steele City	SD	Harding	348.406	348.459	0.053	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.034
Steele City	SD	Harding	348.459	348.540	0.081	SD063	Chinook-Archin fine sandy loams, 0 to 3 percent slopes	0.036
Steele City	SD	Harding	348.540	348.828	0.288	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.270
Steele City	SD	Harding	348.828	349.028	0.200	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.186
Steele City	SD	Harding	349.028	349.099	0.071	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.014
Steele City	SD	Harding	349.099	349.446	0.347	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.323
Steele City	SD	Harding	349.446	349.469	0.023	SD063	Trey-Parchin-Bullock complex, 2 to 9 percent slopes	0.011
Steele City	SD	Harding	349.469	349.769	0.300	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.279
Steele City	SD	Harding	349.769	349.868	0.098	SD063	Bullock fine sandy loam, 6 to 20 percent slopes, extremely stony	0.092
Steele City	SD	Harding	349.868	349.906	0.038	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.015
Steele City	SD	Harding	349.906	349.954	0.048	SD063	Cabbart loam, 6 to 60 percent slopes, extremely stony	0.044
Steele City	SD	Harding	349.954	350.429	0.476	SD063	Twilight-Parchin fine sandy loams, 6 to 15 percent slopes	0.190
Steele City	SD	Harding	350.429	350.538	0.109	SD063	Korchea-Archin complex	0.109
Steele City	SD	Harding	350.538	350.569	0.031	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.020
Steele City	SD	Harding	350.569	350.586	0.016	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.003
Steele City	SD	Harding	350.586	350.760	0.175	SD063	Rhoades-Daglum loams, 2 to 9 percent slopes	0.169
Steele City	SD	Harding	350.760	351.132	0.371	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.327
Steele City	SD	Harding	351.132	351.303	0.171	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.060
Steele City	SD	Harding	351.303	351.485	0.182	SD063	Bullock-Slickspots complex, 0 to 4 percent slopes	0.174
Steele City	SD	Harding	351.485	351.517	0.033	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.030
Steele City	SD	Harding	351.517	351.645	0.128	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.045
Steele City	SD	Harding	351.645	351.807	0.162	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.143
Steele City	SD	Harding	351.807	351.835	0.027	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.025
Steele City	SD	Harding	351.835	351.912	0.077	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.068
Steele City	SD	Harding	351.912	352.351	0.439	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.154
Steele City	SD	Harding	352.351	352.392	0.041	SD063	Parchin-Bullock fine sandy loams, 2 to 9 percent slopes	0.038
Steele City	SD	Harding	352.392	352.459	0.067	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.023
Steele City	SD	Harding	352.459	352.533	0.074	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.015
Steele City	SD	Harding	352.533	352.599	0.066	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.042
Steele City	SD	Harding	352.599	352.751	0.152	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.053
Steele City	SD	Harding	352.751	352.787	0.036	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.031
Steele City	SD	Harding	352.787	352.937	0.150	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.052
Steele City	SD	Harding	352.937	352.961	0.024	SD063	Bullock-Parchin-Slickspots complex, 2 to 9 percent slopes	0.021
Steele City	SD	Harding	352.961	353.254	0.293	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.103
Steele City	SD	Harding	353.254	353.409	0.155	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.150
Steele City	SD	Harding	353.409	353.466	0.057	SD063	Trey-Fleak loamy fine sands, 2 to 15 percent slopes	0.010
Steele City	SD	Harding	353.466	353.540	0.074	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.072
Steele City	SD	Harding	353.540	353.575	0.035	SD063	Twilight-Blackhall fine sandy loams, 9 to 25 percent slopes	0.007
Steele City	SD	Harding	353.575	353.612	0.038	SD063	Bullock-Cabbart complex, 6 to 25 percent slopes	0.037
Steele City	SD	Harding	353.612	353.858	0.246	SD063	Rhame-Parchin fine sandy loams, 2 to 6 percent slopes	0.086
Steele City	SD	Harding	353.858	353.883	0.025	SD063	Archin-Bullock fine sandy loams, 0 to 4 percent slopes	0.024
Steele City	SD	Harding	353.883	353.905	0.022	SD063	Bullock-Slickspots complex, 0 to 4 percent slopes	0.021
Steele City	SD	Butte	353.905	353.975	0.070	SD019	Absher-Slickspots complex, 0 to 9 percent slopes	0.067
Steele City	SD	Butte	353.975	354.096	0.121	SD019	Zeona loamy fine sand, 0 to 6 percent slopes	0.024
Steele City	SD	Butte	354.096	354.294	0.198	SD019	Absher-Slickspots complex, 0 to 9 percent slopes	0.190
Steele City	SD	Butte	354.294	354.321	0.027	SD019	Zeona loamy fine sand, 0 to 6 percent slopes	0.005
Steele City	SD	Butte	354.321	354.370	0.049	SD019	Absher-Slickspots complex, 0 to 9 percent slopes	0.047
Steele City	SD	Butte	354.370	354.616	0.246	SD019	Zeona loamy fine sand, 0 to 6 percent slopes	0.049
Steele City	SD	Butte	354.616	354.759	0.143	SD019	Badland	0.024
Steele City	SD	Butte	354.759	354.948	0.189	SD019	Twilight fine sandy loam, 3 to 25 percent slopes	0.038
Steele City	SD	Butte	354.948	355.240	0.292	SD019	Badland	0.050
Steele City	SD	Butte	355.240	355.653	0.412	SD019	Sorum fine sandy loam, 0 to 6 percent slopes	0.371
Steele City	SD	Butte	355.653	355.716	0.063	SD019	Archin-Slickspots complex, 0 to 3 percent slopes	0.061
Steele City	SD	Butte	355.716	355.913	0.197	SD019	Twilight fine sandy loam, 3 to 25 percent slopes	0.039
Steele City	SD	Butte	355.913	356.233	0.320	SD019	Sorum fine sandy loam, 0 to 6 percent slopes	0.288

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Butte	356.233	356.292	0.059	SD019	Twilight-Blackhall fine sandy loams, 6 to 18 percent slopes	0.009
Steele City	SD	Butte	356.292	356.408	0.116	SD019	Sorum fine sandy loam, 0 to 6 percent slopes	0.104
Steele City	SD	Butte	356.408	356.505	0.097	SD019	Hanly loamy fine sand,	0.010
Steele City	SD	Butte	356.505	357.481	0.976	SD019	Zeona loamy fine sand, 0 to 6 percent slopes	0.195
Steele City	SD	Butte	357.481	357.542	0.061	SD019	Archin-Slickspots complex, 0 to 3 percent slopes	0.059
Steele City	SD	Butte	357.542	357.607	0.065	SD019	Badland	0.011
Steele City	SD	Butte	357.607	357.638	0.030	SD019	Twilight fine sandy loam, 3 to 25 percent slopes	0.006
Steele City	SD	Perkins	357.638	357.669	0.032	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.018
Steele City	SD	Perkins	357.669	357.762	0.093	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.086
Steele City	SD	Perkins	357.762	358.199	0.436	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.253
Steele City	SD	Perkins	358.199	358.378	0.180	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.167
Steele City	SD	Perkins	358.378	358.416	0.037	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.022
Steele City	SD	Perkins	358.416	358.454	0.038	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.036
Steele City	SD	Perkins	358.454	358.570	0.116	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.067
Steele City	SD	Perkins	358.570	359.498	0.928	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.863
Steele City	SD	Perkins	359.498	359.763	0.266	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.154
Steele City	SD	Perkins	359.763	359.836	0.073	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.067
Steele City	SD	Perkins	359.836	360.034	0.198	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.198
Steele City	SD	Perkins	360.034	360.063	0.029	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.017
Steele City	SD	Perkins	360.063	360.154	0.091	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.091
Steele City	SD	Perkins	360.154	360.563	0.409	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.237
Steele City	SD	Perkins	360.563	360.647	0.083	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.083
Steele City	SD	Perkins	360.647	360.656	0.009	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.005
Steele City	SD	Perkins	360.656	360.695	0.039	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.039
Steele City	SD	Perkins	360.695	360.930	0.235	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.136
Steele City	SD	Perkins	360.930	360.958	0.028	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.028
Steele City	SD	Perkins	360.958	361.115	0.157	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.091
Steele City	SD	Perkins	361.115	361.370	0.256	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.256
Steele City	SD	Perkins	361.370	361.398	0.028	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.016
Steele City	SD	Perkins	361.398	361.510	0.112	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.112
Steele City	SD	Perkins	361.510	361.532	0.021	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.020
Steele City	SD	Perkins	361.532	361.577	0.045	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.045
Steele City	SD	Perkins	361.577	361.685	0.108	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.100
Steele City	SD	Perkins	361.685	361.834	0.149	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.149
Steele City	SD	Perkins	361.834	361.974	0.140	SD105	Shambo loam, channeled	0.010
Steele City	SD	Perkins	361.974	362.248	0.274	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.274
Steele City	SD	Perkins	362.248	362.433	0.185	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.107
Steele City	SD	Perkins	362.433	362.660	0.227	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.227
Steele City	SD	Perkins	362.660	362.759	0.099	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.092
Steele City	SD	Perkins	362.759	362.849	0.089	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.089
Steele City	SD	Perkins	362.849	362.889	0.041	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.038
Steele City	SD	Perkins	362.889	363.097	0.208	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.208
Steele City	SD	Perkins	363.097	363.340	0.243	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.226
Steele City	SD	Perkins	363.340	363.836	0.497	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.497
Steele City	SD	Perkins	364.060	364.295	0.235	SD105	Lohler-Trembles complex	0.164
Steele City	SD	Perkins	364.519	364.677	0.159	SD105	Lohler-Trembles complex	0.111
Steele City	SD	Perkins	364.677	365.087	0.410	SD105	Blackhall-Cabbart complex, 15 to 40 percent slopes	0.225
Steele City	SD	Perkins	365.087	365.175	0.088	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.088
Steele City	SD	Perkins	365.175	365.254	0.079	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.074
Steele City	SD	Perkins	365.254	365.340	0.086	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.086
Steele City	SD	Perkins	365.340	365.397	0.057	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.053
Steele City	SD	Perkins	365.397	365.600	0.203	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.203
Steele City	SD	Perkins	365.600	365.612	0.012	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.011
Steele City	SD	Perkins	365.612	365.633	0.021	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.021
Steele City	SD	Perkins	365.633	365.929	0.297	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.276
Steele City	SD	Perkins	365.929	365.930	0.001	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.001
Steele City	SD	Perkins	365.930	366.072	0.142	SD105	Trembles soils, channeled	0.006
Steele City	SD	Perkins	366.072	366.237	0.165	SD105	Shambo loam	0.155
Steele City	SD	Perkins	366.237	366.469	0.231	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.215
Steele City	SD	Perkins	366.469	366.542	0.074	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.043
Steele City	SD	Perkins	366.542	366.602	0.059	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.055
Steele City	SD	Perkins	366.602	366.665	0.064	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.037
Steele City	SD	Perkins	366.665	366.700	0.035	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.032
Steele City	SD	Perkins	366.700	366.720	0.019	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.011
Steele City	SD	Perkins	366.720	367.155	0.436	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.405
Steele City	SD	Perkins	367.155	367.273	0.118	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.068
Steele City	SD	Perkins	367.273	367.586	0.313	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.291
Steele City	SD	Perkins	367.586	367.856	0.270	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.157
Steele City	SD	Perkins	367.856	367.893	0.038	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.035
Steele City	SD	Perkins	367.893	368.101	0.208	SD105	Rhoades-Rock outcrop complex, 6 to 20 percent slopes	0.123
Steele City	SD	Perkins	368.101	368.135	0.034	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.034
Steele City	SD	Perkins	368.135	368.178	0.044	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.041
Steele City	SD	Perkins	368.178	368.268	0.090	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.090

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Perkins	368.268	368.463	0.195	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.181
Steele City	SD	Perkins	368.463	368.545	0.082	SD105	Rhoades-Rock outcrop complex, 6 to 20 percent slopes	0.048
Steele City	SD	Perkins	368.545	369.044	0.499	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.464
Steele City	SD	Perkins	369.044	369.161	0.118	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.068
Steele City	SD	Perkins	369.161	369.240	0.079	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.079
Steele City	SD	Perkins	369.240	369.368	0.128	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.119
Steele City	SD	Perkins	369.368	369.809	0.441	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.441
Steele City	SD	Perkins	369.809	369.953	0.144	SD105	Blackhall-Cabbart complex, 15 to 40 percent slopes	0.079
Steele City	SD	Perkins	369.953	370.050	0.098	SD105	Bullock-Slickspots complex, 0 to 15 percent slopes	0.091
Steele City	SD	Perkins	370.050	370.237	0.187	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.108
Steele City	SD	Perkins	370.237	370.509	0.272	SD105	Rhoades-Rock outcrop complex, 6 to 20 percent slopes	0.160
Steele City	SD	Perkins	370.509	370.566	0.057	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.057
Steele City	SD	Perkins	370.566	370.744	0.179	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.104
Steele City	SD	Perkins	370.744	370.960	0.215	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.215
Steele City	SD	Perkins	370.960	370.970	0.010	SD105	Blackhall-Cabbart complex, 15 to 40 percent slopes	0.006
Steele City	SD	Perkins	370.970	371.185	0.215	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.125
Steele City	SD	Perkins	371.185	371.272	0.087	SD105	Blackhall-Cabbart complex, 15 to 40 percent slopes	0.048
Steele City	SD	Perkins	371.272	371.285	0.013	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.013
Steele City	SD	Perkins	371.285	371.337	0.052	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.030
Steele City	SD	Perkins	371.337	371.413	0.076	SD105	Bullock-Parchin loams, 0 to 9 percent slopes	0.076
Steele City	SD	Perkins	371.413	371.804	0.390	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.226
Steele City	SD	Perkins	371.804	372.137	0.333	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	0.333
Steele City	SD	Perkins	372.137	372.261	0.123	SD105	Twilight-Marmarth-Parchin association, gently rolling	0.072
Steele City	SD	Perkins	372.261	372.572	0.312	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	0.312
Steele City	SD	Perkins	372.572	372.636	0.064	SD105	Marmarth loam, 2 to 6 percent slopes	0.059
Steele City	SD	Perkins	372.636	372.740	0.104	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	0.104
Steele City	SD	Perkins	372.740	372.857	0.117	SD105	Marmarth loam, 2 to 6 percent slopes	0.108
Steele City	SD	Perkins	372.857	372.883	0.026	SD105	Regent-Savage silty clay loams, 2 to 6 percent slopes	0.026
Steele City	SD	Meade	372.883	372.910	0.028	SD601	Tanna-Savo complex, 2 to 6 percent slopes	0.028
Steele City	SD	Meade	372.910	373.043	0.132	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.132
Steele City	SD	Meade	373.043	373.233	0.190	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.179
Steele City	SD	Meade	373.233	373.524	0.291	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.151
Steele City	SD	Meade	373.524	373.762	0.238	SD601	Eapa-Delridge loams, 2 to 6 percent slopes	0.238
Steele City	SD	Meade	373.762	373.865	0.103	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.103
Steele City	SD	Meade	373.865	373.994	0.129	SD601	Gerdrum loam, 0 to 4 percent slopes	0.125
Steele City	SD	Meade	373.994	374.293	0.299	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.299
Steele City	SD	Meade	374.293	374.347	0.055	SD601	Gerdrum loam, 0 to 4 percent slopes	0.053
Steele City	SD	Meade	374.347	374.558	0.211	SD601	Eapa-Delridge loams, 2 to 6 percent slopes	0.211
Steele City	SD	Meade	374.558	374.765	0.207	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.186
Steele City	SD	Meade	374.765	374.856	0.091	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.091
Steele City	SD	Meade	374.856	374.905	0.049	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.044
Steele City	SD	Meade	374.905	375.027	0.122	SD601	Tanna-Savo complex, 6 to 9 percent slopes	0.122
Steele City	SD	Meade	375.027	375.248	0.221	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.221
Steele City	SD	Meade	375.248	375.551	0.303	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.273
Steele City	SD	Meade	375.551	375.579	0.028	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.014
Steele City	SD	Meade	375.579	375.610	0.031	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.030
Steele City	SD	Meade	375.610	376.150	0.540	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.281
Steele City	SD	Meade	376.150	376.397	0.247	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.232
Steele City	SD	Meade	376.397	376.422	0.025	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.023
Steele City	SD	Meade	376.422	376.469	0.048	SD601	Bullock-Slickspots complex, 0 to 4 percent slopes	0.047
Steele City	SD	Meade	376.469	376.986	0.516	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.464
Steele City	SD	Meade	376.986	377.048	0.063	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.059
Steele City	SD	Meade	377.048	377.141	0.093	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.084
Steele City	SD	Meade	377.141	377.217	0.076	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.071
Steele City	SD	Meade	377.217	377.376	0.159	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.143
Steele City	SD	Meade	377.376	377.479	0.103	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.097
Steele City	SD	Meade	377.479	377.715	0.236	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.212
Steele City	SD	Meade	377.715	377.794	0.079	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.075
Steele City	SD	Meade	377.794	377.930	0.136	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.071
Steele City	SD	Meade	377.930	377.983	0.053	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.050
Steele City	SD	Meade	377.983	378.060	0.077	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.040
Steele City	SD	Meade	378.060	378.216	0.156	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.147
Steele City	SD	Meade	378.216	378.371	0.155	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.139
Steele City	SD	Meade	378.371	378.716	0.345	SD601	Bullock-Slickspots complex, 0 to 4 percent slopes	0.338
Steele City	SD	Meade	378.716	378.907	0.191	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.099
Steele City	SD	Meade	378.907	379.033	0.125	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.113

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Meade	379.033	379.059	0.026	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.014
Steele City	SD	Meade	379.059	379.163	0.104	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.098
Steele City	SD	Meade	379.163	379.316	0.153	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.137
Steele City	SD	Meade	379.316	379.570	0.254	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.239
Steele City	SD	Meade	379.570	379.796	0.226	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.204
Steele City	SD	Meade	379.796	379.981	0.185	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.173
Steele City	SD	Meade	379.981	380.099	0.119	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.062
Steele City	SD	Meade	380.099	380.137	0.037	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.035
Steele City	SD	Meade	380.137	380.175	0.038	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.034
Steele City	SD	Meade	380.175	380.240	0.065	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.061
Steele City	SD	Meade	380.240	380.316	0.076	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.069
Steele City	SD	Meade	380.316	380.514	0.197	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.185
Steele City	SD	Meade	380.514	380.526	0.013	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.011
Steele City	SD	Meade	380.526	380.559	0.033	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.031
Steele City	SD	Meade	380.559	380.624	0.064	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.058
Steele City	SD	Meade	380.624	380.764	0.140	SD601	Bullock-Slickspots complex, 0 to 4 percent slopes	0.138
Steele City	SD	Meade	380.764	380.912	0.148	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.139
Steele City	SD	Meade	380.912	381.401	0.488	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.440
Steele City	SD	Meade	381.401	382.182	0.781	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.734
Steele City	SD	Meade	382.182	382.264	0.082	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.074
Steele City	SD	Meade	382.264	382.818	0.554	SD601	Gerdrum loam, 0 to 4 percent slopes	0.538
Steele City	SD	Meade	382.818	383.023	0.205	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.127
Steele City	SD	Meade	383.023	383.168	0.144	SD601	Gerdrum loam, 0 to 4 percent slopes	0.140
Steele City	SD	Meade	383.168	383.290	0.123	SD601	Havre loam, channeled	0.123
Steele City	SD	Meade	383.290	383.567	0.277	SD601	Gerdrum loam, 0 to 4 percent slopes	0.269
Steele City	SD	Meade	383.567	383.848	0.281	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	0.281
Steele City	SD	Meade	383.848	383.904	0.055	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.055
Steele City	SD	Meade	383.904	384.034	0.130	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	0.130
Steele City	SD	Meade	384.034	384.532	0.498	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.468
Steele City	SD	Meade	384.532	384.664	0.132	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	0.132
Steele City	SD	Meade	384.664	384.866	0.202	SD601	Gerdrum loam, 0 to 4 percent slopes	0.196
Steele City	SD	Meade	384.866	384.995	0.128	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.067
Steele City	SD	Meade	384.995	385.008	0.014	SD601	Gerdrum loam, 0 to 4 percent slopes	0.013
Steele City	SD	Meade	385.008	385.209	0.200	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.188
Steele City	SD	Meade	385.209	385.350	0.142	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.074
Steele City	SD	Meade	385.350	385.395	0.045	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.042
Steele City	SD	Meade	385.395	385.486	0.091	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.047
Steele City	SD	Meade	385.486	385.560	0.074	SD601	Parchin-Bullock fine sandy loams, 2 to 6 percent slopes	0.066
Steele City	SD	Meade	385.560	385.627	0.067	SD601	Bullock-Slickspots complex, 0 to 4 percent slopes	0.065
Steele City	SD	Meade	385.627	385.728	0.101	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.053
Steele City	SD	Meade	385.728	385.866	0.138	SD601	Gerdrum loam, 0 to 4 percent slopes	0.134
Steele City	SD	Meade	385.866	385.949	0.083	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	0.083
Steele City	SD	Meade	385.949	385.994	0.045	SD601	Gerdrum loam, 0 to 4 percent slopes	0.044
Steele City	SD	Meade	385.994	386.053	0.059	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.055
Steele City	SD	Meade	386.053	386.134	0.081	SD601	Eapa loam, 2 to 6 percent slopes	0.081
Steele City	SD	Meade	386.134	386.257	0.123	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.115
Steele City	SD	Meade	386.257	386.318	0.062	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.032
Steele City	SD	Meade	386.318	386.525	0.206	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	0.206
Steele City	SD	Meade	386.525	386.578	0.053	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.028
Steele City	SD	Meade	386.578	386.661	0.083	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	0.083
Steele City	SD	Meade	386.661	387.211	0.550	SD601	Eapa-Delridge loams, 2 to 6 percent slopes	0.550
Steele City	SD	Meade	387.211	387.223	0.012	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.006
Steele City	SD	Meade	387.223	387.398	0.174	SD601	Grail silt loam	0.174
Steele City	SD	Meade	387.398	387.440	0.042	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.022
Steele City	SD	Meade	387.440	387.476	0.036	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	0.036
Steele City	SD	Meade	387.476	387.523	0.047	SD601	Grail silt loam	0.047
Steele City	SD	Meade	387.523	387.829	0.306	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	0.306
Steele City	SD	Meade	387.829	388.547	0.718	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.718
Steele City	SD	Meade	388.547	388.743	0.197	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.102
Steele City	SD	Meade	388.743	388.798	0.054	SD601	Loburn-Gerdrum loams, 0 to 3 percent slopes	0.054

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Meade	388.798	388.853	0.055	SD601	Twilight-Marmarth-Parchin fine sandy loams, 4 to 9 percent slopes	0.029
Steele City	SD	Meade	388.853	389.599	0.746	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.746
Steele City	SD	Meade	389.599	389.738	0.139	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.086
Steele City	SD	Meade	389.738	389.993	0.255	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.255
Steele City	SD	Meade	389.993	390.200	0.207	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.017
Steele City	SD	Meade	390.200	390.366	0.166	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.166
Steele City	SD	Meade	390.366	390.400	0.035	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.003
Steele City	SD	Meade	390.400	390.510	0.109	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.109
Steele City	SD	Meade	390.510	390.552	0.042	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.026
Steele City	SD	Meade	390.552	390.588	0.035	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.035
Steele City	SD	Meade	390.588	390.658	0.071	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.044
Steele City	SD	Meade	390.658	390.880	0.221	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.221
Steele City	SD	Meade	390.880	391.240	0.360	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.223
Steele City	SD	Meade	391.240	391.752	0.512	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.512
Steele City	SD	Meade	391.752	391.758	0.006	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.004
Steele City	SD	Meade	391.758	391.821	0.062	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.062
Steele City	SD	Meade	391.821	391.970	0.149	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.092
Steele City	SD	Meade	391.970	392.168	0.199	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.016
Steele City	SD	Meade	392.168	392.441	0.272	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.272
Steele City	SD	Meade	392.441	392.533	0.092	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.007
Steele City	SD	Meade	392.533	392.626	0.093	SD601	Cabbart loam, 9 to 40 percent slopes	0.093
Steele City	SD	Meade	392.626	392.664	0.038	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.003
Steele City	SD	Meade	392.664	392.784	0.120	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.074
Steele City	SD	Meade	392.784	392.915	0.132	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.011
Steele City	SD	Meade	392.915	393.075	0.160	SD601	Assinniboine fine sandy loam, 6 to 9 percent slopes	0.152
Steele City	SD	Meade	393.075	393.268	0.193	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.015
Steele City	SD	Meade	393.268	393.556	0.287	SD601	Assinniboine fine sandy loam, 6 to 9 percent slopes	0.273
Steele City	SD	Meade	393.556	393.785	0.229	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.229
Steele City	SD	Meade	393.785	393.904	0.119	SD601	Assinniboine fine sandy loam, 6 to 9 percent slopes	0.113
Steele City	SD	Meade	393.904	394.064	0.160	SD601	Cabbart loam, 9 to 40 percent slopes	0.160
Steele City	SD	Meade	394.064	394.201	0.137	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.137
Steele City	SD	Meade	394.201	394.444	0.243	SD601	Cabbart loam, 9 to 40 percent slopes	0.243
Steele City	SD	Meade	394.444	394.532	0.088	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.088
Steele City	SD	Meade	394.532	394.548	0.016	SD601	Cabbart loam, 9 to 40 percent slopes	0.016
Steele City	SD	Meade	394.548	394.643	0.095	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.095
Steele City	SD	Meade	394.643	394.680	0.037	SD601	Cabbart loam, 9 to 40 percent slopes	0.037
Steele City	SD	Meade	394.680	394.818	0.138	SD601	Assinniboine fine sandy loam, 2 to 6 percent slopes	0.138
Steele City	SD	Meade	394.818	394.879	0.061	SD601	Cabbart loam, 9 to 40 percent slopes	0.061
Steele City	SD	Meade	394.879	395.003	0.124	SD601	Assinniboine-Twilight fine sandy loams, 6 to 9 percent slopes	0.077
Steele City	SD	Meade	395.003	395.496	0.493	SD601	Cabbart loam, 9 to 40 percent slopes	0.493
Steele City	SD	Meade	395.496	395.661	0.166	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.013
Steele City	SD	Meade	395.750	395.888	0.137	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.011
Steele City	SD	Meade	395.888	396.090	0.202	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.202
Steele City	SD	Meade	396.090	396.244	0.154	SD601	Eapa loam, 6 to 9 percent slopes	0.154
Steele City	SD	Meade	396.244	396.709	0.465	SD601	Cabbart loam, 9 to 40 percent slopes	0.465
Steele City	SD	Meade	396.709	396.767	0.058	SD601	Eapa-Delridge loams, 6 to 9 percent slopes	0.058
Steele City	SD	Meade	396.767	397.368	0.600	SD601	Cabbart loam, 9 to 40 percent slopes	0.600
Steele City	SD	Meade	397.368	397.390	0.022	SD601	Gerdrum loam, 0 to 4 percent slopes	0.022
Steele City	SD	Meade	397.390	397.419	0.029	SD601	Cabbart loam, 9 to 40 percent slopes	0.029
Steele City	SD	Meade	397.419	397.775	0.356	SD601	Gerdrum loam, 0 to 4 percent slopes	0.346
Steele City	SD	Meade	397.775	397.907	0.132	SD601	Cabbart loam, 9 to 40 percent slopes	0.132
Steele City	SD	Meade	397.907	398.233	0.326	SD601	Gerdrum loam, 0 to 4 percent slopes	0.317
Steele City	SD	Meade	398.233	398.258	0.025	SD601	Lohmiller silty clay loam	0.023
Steele City	SD	Meade	398.258	398.287	0.029	SD601	Gerdrum loam, 0 to 4 percent slopes	0.029
Steele City	SD	Meade	398.287	398.533	0.246	SD601	Lohmiller silty clay loam	0.231
Steele City	SD	Meade	398.533	398.913	0.380	SD601	Abor silty clay, 2 to 6 percent slopes	0.380
Steele City	SD	Meade	398.913	399.072	0.159	SD601	Lohmiller silty clay loam	0.150
Steele City	SD	Meade	399.072	399.429	0.357	SD601	Havre loam	0.357
Steele City	SD	Meade	399.429	399.586	0.157	SD601	Havre loam, channeled	0.157
Steele City	SD	Meade	399.586	400.054	0.468	SD601	Lawther silty clay, 2 to 6 percent slopes	0.468
Steele City	SD	Meade	400.054	400.113	0.060	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.056
Steele City	SD	Meade	400.113	400.155	0.042	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.042
Steele City	SD	Meade	400.155	400.182	0.027	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.025
Steele City	SD	Meade	400.182	400.409	0.227	SD601	Cabbart loam, 9 to 40 percent slopes	0.227

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Meade	400.409	400.596	0.188	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.188
Steele City	SD	Meade	400.596	400.658	0.062	SD601	Cabbart loam, 9 to 40 percent slopes	0.062
Steele City	SD	Meade	400.658	400.668	0.010	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.010
Steele City	SD	Meade	400.668	401.150	0.482	SD601	Cabbart loam, 9 to 40 percent slopes	0.482
Steele City	SD	Meade	401.150	401.887	0.737	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.737
Steele City	SD	Meade	401.887	401.895	0.008	SD601	Eapa loam, 2 to 6 percent slopes	0.008
Steele City	SD	Meade	401.895	403.352	1.458	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	1.458
Steele City	SD	Meade	403.352	403.611	0.259	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.259
Steele City	SD	Meade	403.611	403.639	0.028	SD601	Eapa-Grail complex, 6 to 9 percent slopes	0.028
Steele City	SD	Meade	403.639	403.702	0.063	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.063
Steele City	SD	Meade	403.702	403.993	0.291	SD601	Eapa-Grail complex, 6 to 9 percent slopes	0.291
Steele City	SD	Meade	403.993	404.732	0.739	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.739
Steele City	SD	Meade	404.732	404.846	0.114	SD601	Eapa-Grail complex, 6 to 9 percent slopes	0.114
Steele City	SD	Meade	404.846	404.882	0.036	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.036
Steele City	SD	Meade	404.882	404.982	0.100	SD601	Eapa-Grail complex, 6 to 9 percent slopes	0.100
Steele City	SD	Meade	404.982	405.046	0.064	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.064
Steele City	SD	Meade	405.046	405.264	0.218	SD601	Eapa-Grail complex, 6 to 9 percent slopes	0.218
Steele City	SD	Meade	405.264	406.002	0.738	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.738
Steele City	SD	Meade	406.002	406.010	0.008	SD601	Cabbart loam, 9 to 40 percent slopes	0.008
Steele City	SD	Meade	406.010	406.037	0.026	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.026
Steele City	SD	Meade	406.037	406.099	0.062	SD601	Cabbart loam, 9 to 40 percent slopes	0.062
Steele City	SD	Meade	406.099	406.135	0.036	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.036
Steele City	SD	Meade	406.135	406.336	0.202	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.202
Steele City	SD	Meade	406.336	406.650	0.314	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.314
Steele City	SD	Meade	406.650	406.840	0.190	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.190
Steele City	SD	Meade	406.840	407.032	0.192	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.192
Steele City	SD	Meade	407.032	407.055	0.024	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.024
Steele City	SD	Meade	407.055	407.143	0.087	SD601	Eapa loam, 2 to 6 percent slopes	0.087
Steele City	SD	Meade	407.143	407.840	0.697	SD601	Eapa loam, 0 to 2 percent slopes	0.697
Steele City	SD	Meade	407.840	407.889	0.049	SD601	Nihill-Attewan complex, 4 to 20 percent slopes	0.046
Steele City	SD	Meade	407.889	407.954	0.064	SD601	Gerdrum loam, 0 to 4 percent slopes	0.063
Steele City	SD	Meade	407.954	408.006	0.052	SD601	Havre loam, channeled	0.052
Steele City	SD	Meade	408.006	408.313	0.307	SD601	Havre loam	0.307
Steele City	SD	Meade	408.313	408.510	0.197	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.197
Steele City	SD	Meade	408.510	408.571	0.060	SD601	Bullock-Parchin fine sandy loams, 0 to 4 percent slopes	0.057
Steele City	SD	Meade	408.571	408.612	0.041	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.041
Steele City	SD	Meade	408.612	408.799	0.187	SD601	Tanna-Savo complex, 2 to 6 percent slopes	0.187
Steele City	SD	Meade	408.799	409.090	0.291	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.291
Steele City	SD	Meade	409.090	409.189	0.099	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.099
Steele City	SD	Meade	409.189	409.537	0.348	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.348
Steele City	SD	Meade	409.537	409.709	0.172	SD601	Cabbart loam, 9 to 40 percent slopes	0.172
Steele City	SD	Meade	409.709	410.035	0.326	SD601	Gerdrum loam, 0 to 4 percent slopes	0.316
Steele City	SD	Meade	410.035	410.267	0.232	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.232
Steele City	SD	Meade	410.267	410.472	0.205	SD601	Tanna-Savo complex, 2 to 6 percent slopes	0.205
Steele City	SD	Meade	410.472	410.685	0.213	SD601	Eapa-Grail complex, 2 to 6 percent slopes	0.213
Steele City	SD	Meade	410.685	410.732	0.047	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.047
Steele City	SD	Meade	410.732	410.908	0.176	SD601	Tanna-Savo complex, 2 to 6 percent slopes	0.176
Steele City	SD	Meade	410.908	411.160	0.252	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.252
Steele City	SD	Meade	411.160	411.273	0.113	SD601	Abor silty clay, 6 to 9 percent slopes	0.113
Steele City	SD	Meade	411.273	411.365	0.092	SD601	Lawther silty clay, 2 to 6 percent slopes	0.092
Steele City	SD	Meade	411.365	411.568	0.203	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.203
Steele City	SD	Meade	411.568	411.626	0.058	SD601	Abor silty clay, 2 to 6 percent slopes	0.058
Steele City	SD	Meade	411.626	411.744	0.118	SD601	Lawther silty clay, 2 to 6 percent slopes	0.118
Steele City	SD	Meade	411.744	411.750	0.006	SD601	Abor silty clay, 2 to 6 percent slopes	0.006
Steele City	SD	Meade	411.750	411.816	0.066	SD601	Lawther silty clay, 2 to 6 percent slopes	0.066
Steele City	SD	Meade	411.816	411.894	0.078	SD601	Abor silty clay, 2 to 6 percent slopes	0.078
Steele City	SD	Meade	411.894	411.922	0.028	SD601	Lawther silty clay, 2 to 6 percent slopes	0.028
Steele City	SD	Meade	411.922	412.136	0.214	SD601	Abor silty clay, 2 to 6 percent slopes	0.214
Steele City	SD	Meade	412.136	412.178	0.042	SD601	Lawther silty clay, 2 to 6 percent slopes	0.042
Steele City	SD	Meade	412.178	412.220	0.042	SD601	Abor silty clay, 2 to 6 percent slopes	0.042
Steele City	SD	Meade	412.220	412.346	0.126	SD601	Lawther silty clay, 2 to 6 percent slopes	0.126
Steele City	SD	Meade	412.346	412.379	0.033	SD601	Abor silty clay, 2 to 6 percent slopes	0.033
Steele City	SD	Meade	412.379	413.151	0.771	SD601	Abor silty clay, 6 to 9 percent slopes	0.771
Steele City	SD	Meade	413.151	413.263	0.112	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.112
Steele City	SD	Meade	413.263	413.461	0.198	SD601	Abor silty clay, 6 to 9 percent slopes	0.198
Steele City	SD	Meade	413.461	413.495	0.034	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.034
Steele City	SD	Meade	413.495	413.736	0.241	SD601	Abor silty clay, 6 to 9 percent slopes	0.241
Steele City	SD	Meade	413.736	413.839	0.103	SD601	Abor silty clay, 2 to 6 percent slopes	0.103
Steele City	SD	Meade	413.839	414.759	0.919	SD601	Abor silty clay, 6 to 9 percent slopes	0.919
Steele City	SD	Meade	414.759	414.887	0.128	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.128
Steele City	SD	Meade	414.887	415.020	0.133	SD601	Lawther silty clay, 2 to 6 percent slopes	0.133
Steele City	SD	Meade	415.020	415.177	0.157	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.157
Steele City	SD	Meade	415.177	415.210	0.033	SD601	Abor silty clay, 6 to 9 percent slopes	0.033

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Meade	415.210	415.392	0.182	SD601	Gerdrum loam, 0 to 4 percent slopes	0.177
Steele City	SD	Meade	415.392	415.477	0.085	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.085
Steele City	SD	Meade	415.477	415.512	0.036	SD601	Gerdrum loam, 0 to 4 percent slopes	0.035
Steele City	SD	Meade	415.512	415.526	0.013	SD601	Tanna-Savo complex, 6 to 9 percent slopes	0.013
Steele City	SD	Meade	415.526	415.566	0.040	SD601	Gerdrum loam, 0 to 4 percent slopes	0.039
Steele City	SD	Meade	415.566	415.897	0.332	SD601	Tanna-Savo complex, 6 to 9 percent slopes	0.332
Steele City	SD	Meade	415.897	416.086	0.188	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.188
Steele City	SD	Meade	416.086	416.154	0.069	SD601	Delridge-Cabbart loams, 6 to 15 percent slopes	0.069
Steele City	SD	Meade	416.154	416.189	0.035	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.035
Steele City	SD	Meade	416.189	416.478	0.289	SD601	Abor silty clay, 2 to 6 percent slopes	0.289
Steele City	SD	Meade	416.478	416.487	0.009	SD601	Samsil clay, 6 to 25 percent slopes	0.009
Steele City	SD	Meade	416.487	416.828	0.341	SD601	Abor silty clay, 2 to 6 percent slopes	0.341
Steele City	SD	Meade	416.828	416.975	0.147	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.147
Steele City	SD	Meade	416.975	417.147	0.172	SD601	Nunn clay loam, 2 to 6 percent slopes	0.172
Steele City	SD	Meade	417.147	417.386	0.240	SD601	Samsil clay, 6 to 25 percent slopes	0.233
Steele City	SD	Meade	417.386	417.467	0.081	SD601	Tanna-Delridge complex, 2 to 6 percent slopes	0.081
Steele City	SD	Meade	417.467	417.650	0.182	SD601	Nunn clay loam, 2 to 6 percent slopes	0.182
Steele City	SD	Meade	417.650	418.021	0.372	SD601	Pierre-Samsil clays, 6 to 15 percent slopes	0.353
Steele City	SD	Meade	418.021	418.123	0.102	SD601	Nunn clay loam, 2 to 6 percent slopes	0.102
Steele City	SD	Meade	418.123	418.324	0.201	SD601	Tanna-Savo complex, 2 to 6 percent slopes	0.201
Steele City	SD	Meade	418.324	419.074	0.750	SD601	Samsil clay, 6 to 25 percent slopes	0.727
Steele City	SD	Meade	419.074	419.117	0.043	SD601	Stetter clay	0.043
Steele City	SD	Meade	419.117	419.466	0.349	SD601	Samsil clay, 6 to 25 percent slopes	0.338
Steele City	SD	Meade	419.466	419.573	0.107	SD601	Samsil-Rock outcrop complex, 15 to 40 percent slopes	0.064
Steele City	SD	Meade	419.573	419.904	0.331	SD601	Stetter clay	0.331
Steele City	SD	Meade	419.904	420.223	0.320	SD601	Samsil clay, 6 to 25 percent slopes	0.310
Steele City	SD	Meade	420.223	420.314	0.091	SD601	Stetter clay	0.091
Steele City	SD	Meade	420.314	420.494	0.179	SD601	Samsil-Rock outcrop complex, 15 to 40 percent slopes	0.108
Steele City	SD	Meade	420.494	420.739	0.245	SD601	Samsil clay, 6 to 25 percent slopes	0.238
Steele City	SD	Meade	420.739	420.780	0.041	SD601	Samsil-Rock outcrop complex, 15 to 40 percent slopes	0.025
Steele City	SD	Meade	420.780	420.901	0.121	SD601	Samsil clay, 6 to 25 percent slopes	0.117
Steele City	SD	Meade	420.901	420.942	0.042	SD601	Pierre-Samsil clays, 6 to 15 percent slopes	0.039
Steele City	SD	Meade	420.942	421.677	0.734	SD601	Samsil clay, 6 to 25 percent slopes	0.712
Steele City	SD	Meade	421.677	421.760	0.083	SD601	Lohmiller silty clay loam, channeled	0.083
Steele City	SD	Meade	421.760	421.852	0.093	SD601	Samsil clay, 6 to 25 percent slopes	0.090
Steele City	SD	Meade	421.852	422.104	0.251	SD601	Lohmiller silty clay loam, channeled	0.251
Steele City	SD	Meade	422.104	422.267	0.163	SD601	Lohmiller silty clay loam	0.153
Steele City	SD	Meade	422.267	422.658	0.392	SD601	Samsil clay, 6 to 25 percent slopes	0.380
Steele City	SD	Meade	422.658	422.750	0.092	SD601	Lohmiller silty clay loam, channeled	0.092
Steele City	SD	Meade	422.750	422.952	0.202	SD601	Lohmiller silty clay loam	0.190
Steele City	SD	Meade	422.952	423.283	0.331	SD601	Lohmiller silty clay loam, channeled	0.331
Steele City	SD	Meade	423.283	423.329	0.046	SD601	Samsil clay, 6 to 25 percent slopes	0.045
Steele City	SD	Meade	423.329	423.607	0.278	SD601	Lohmiller silty clay loam, channeled	0.278
Steele City	SD	Meade	423.607	423.667	0.059	SD601	Pierre-Samsil clays, 6 to 15 percent slopes	0.056
Steele City	SD	Meade	423.667	423.878	0.211	SD601	Kyle clay, 0 to 2 percent slopes	0.211
Steele City	SD	Meade	423.878	424.155	0.277	SD601	Kyle clay, 2 to 6 percent slopes	0.277
Steele City	SD	Meade	424.155	424.431	0.277	SD601	Pierre-Samsil clays, 6 to 15 percent slopes	0.263
Steele City	SD	Meade	424.431	424.496	0.064	SD601	Pierre clay, 2 to 6 percent slopes	0.064
Steele City	SD	Meade	424.496	424.655	0.160	SD601	Lohmiller silty clay loam, channeled	0.160
Steele City	SD	Meade	424.655	424.670	0.015	SD601	Lohmiller silty clay loam	0.014
Steele City	SD	Meade	424.670	424.695	0.025	SD601	Swanboy clay	0.025
Steele City	SD	Meade	424.695	424.769	0.074	SD601	Lohmiller silty clay loam	0.069
Steele City	SD	Meade	424.769	424.852	0.083	SD601	Swanboy clay	0.083
Steele City	SD	Meade	424.852	424.912	0.060	SD601	Lohmiller silty clay loam	0.057
Steele City	SD	Meade	424.912	425.058	0.146	SD601	Kyle clay, 2 to 6 percent slopes	0.146
Steele City	SD	Meade	425.058	425.177	0.119	SD601	Lohmiller silty clay loam	0.112
Steele City	SD	Meade	425.177	425.422	0.244	SD601	Glenberg fine sandy loam	0.017
Steele City	SD	Meade	425.422	425.544	0.122	SD601	Bankard loamy fine sand	0.006
Steele City	SD	Pennington	425.927	425.987	0.059	SD605	Lohmiller silty clay	0.059
Steele City	SD	Haakon	426.056	426.340	0.285	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.265
Steele City	SD	Haakon	426.340	426.443	0.102	SD055	Samsil clay, 25 to 60 percent slopes	0.095
Steele City	SD	Haakon	426.443	426.500	0.057	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.053
Steele City	SD	Haakon	426.500	426.746	0.246	SD055	Samsil clay, 25 to 60 percent slopes	0.228
Steele City	SD	Haakon	426.746	426.819	0.073	SD055	Schamber-Samsil complex, 6 to 60 percent slopes	0.034
Steele City	SD	Haakon	426.819	427.701	0.882	SD055	Kirley clay loam, 0 to 2 percent slopes	0.882
Steele City	SD	Haakon	427.701	428.047	0.347	SD055	Ree-Vivian complex, 6 to 15 percent slopes	0.243
Steele City	SD	Haakon	428.047	428.092	0.045	SD055	Ree loam, 0 to 2 percent slopes	0.045
Steele City	SD	Haakon	428.092	428.216	0.124	SD055	Schamber-Samsil complex, 6 to 60 percent slopes	0.057
Steele City	SD	Haakon	428.216	428.466	0.251	SD055	Samsil clay, 25 to 60 percent slopes	0.233
Steele City	SD	Haakon	428.466	428.684	0.218	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.202
Steele City	SD	Haakon	428.684	428.730	0.046	SD055	Kyle clay, 3 to 6 percent slopes	0.046
Steele City	SD	Haakon	428.730	428.735	0.005	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.005
Steele City	SD	Haakon	428.735	428.864	0.129	SD055	Kyle clay, 3 to 6 percent slopes	0.129

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Haakon	428.864	428.949	0.085	SD055	Lohmiller silty clay, channeled	0.085
Steele City	SD	Haakon	428.949	429.076	0.127	SD055	Kyle clay, 3 to 6 percent slopes	0.127
Steele City	SD	Haakon	429.076	429.101	0.025	SD055	Lohmiller silty clay, channeled	0.025
Steele City	SD	Haakon	429.101	429.141	0.040	SD055	Kyle clay, 3 to 6 percent slopes	0.040
Steele City	SD	Haakon	429.141	429.562	0.421	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.392
Steele City	SD	Haakon	429.562	429.707	0.145	SD055	Samsil-Rock outcrop complex, 15 to 60 percent slopes	0.090
Steele City	SD	Haakon	429.707	429.863	0.155	SD055	Schamber-Samsil complex, 6 to 60 percent slopes	0.071
Steele City	SD	Haakon	429.863	430.008	0.145	SD055	Ree-Hoven complex	0.145
Steele City	SD	Haakon	430.008	431.762	1.754	SD055	Ree loam, 0 to 2 percent slopes	1.754
Steele City	SD	Haakon	431.762	431.951	0.189	SD055	Ree-Canning loams, 6 to 9 percent slopes	0.170
Steele City	SD	Haakon	431.951	432.158	0.207	SD055	Ree loam, 2 to 6 percent slopes	0.207
Steele City	SD	Haakon	432.158	432.975	0.817	SD055	Ree loam, 0 to 2 percent slopes	0.817
Steele City	SD	Haakon	432.975	435.130	2.155	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	2.155
Steele City	SD	Haakon	435.130	435.164	0.034	SD055	Samsil clay, 25 to 60 percent slopes	0.031
Steele City	SD	Haakon	435.164	435.574	0.411	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.411
Steele City	SD	Haakon	435.574	435.696	0.122	SD055	Kirley clay loam, 2 to 6 percent slopes	0.122
Steele City	SD	Haakon	435.696	435.815	0.118	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.118
Steele City	SD	Haakon	435.815	436.760	0.945	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.945
Steele City	SD	Haakon	436.760	436.934	0.174	SD055	Capa silt loam, 0 to 6 percent slopes	0.174
Steele City	SD	Haakon	436.934	437.152	0.218	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.218
Steele City	SD	Haakon	437.152	437.237	0.085	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.085
Steele City	SD	Haakon	437.237	437.329	0.092	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.092
Steele City	SD	Haakon	437.329	437.595	0.266	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.266
Steele City	SD	Haakon	437.595	437.821	0.227	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.227
Steele City	SD	Haakon	437.821	437.922	0.101	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.101
Steele City	SD	Haakon	437.922	438.008	0.085	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.085
Steele City	SD	Haakon	438.008	438.368	0.360	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.360
Steele City	SD	Haakon	438.368	438.583	0.215	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.215
Steele City	SD	Haakon	438.583	438.952	0.369	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.369
Steele City	SD	Haakon	438.952	439.293	0.341	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.341
Steele City	SD	Haakon	439.293	440.256	0.963	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.963
Steele City	SD	Haakon	440.256	440.611	0.355	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.355
Steele City	SD	Haakon	440.611	440.876	0.266	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.266
Steele City	SD	Haakon	440.876	440.906	0.030	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.030
Steele City	SD	Haakon	440.906	441.016	0.110	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.110
Steele City	SD	Haakon	441.016	441.056	0.041	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.041
Steele City	SD	Haakon	441.056	441.149	0.092	SD055	Wendte-Herdcamp silty clays, channeled	0.092
Steele City	SD	Haakon	441.149	441.181	0.032	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.032
Steele City	SD	Haakon	441.181	441.230	0.049	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.049
Steele City	SD	Haakon	441.230	442.739	1.510	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	1.510
Steele City	SD	Haakon	442.739	442.800	0.060	SD055	Kolls clay	0.060
Steele City	SD	Haakon	442.800	443.255	0.455	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.455
Steele City	SD	Haakon	443.255	443.399	0.144	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.144
Steele City	SD	Haakon	443.399	443.582	0.183	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.183
Steele City	SD	Haakon	443.582	443.694	0.112	SD055	Wendte-Herdcamp silty clays, channeled	0.112
Steele City	SD	Haakon	443.694	443.805	0.111	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.103
Steele City	SD	Haakon	443.805	443.999	0.194	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.194
Steele City	SD	Haakon	443.999	444.019	0.020	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.020
Steele City	SD	Haakon	444.019	444.039	0.020	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.020
Steele City	SD	Haakon	444.039	444.353	0.314	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.314
Steele City	SD	Haakon	444.353	444.781	0.428	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.428
Steele City	SD	Haakon	444.781	444.993	0.212	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.212
Steele City	SD	Haakon	444.993	445.091	0.098	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.098
Steele City	SD	Haakon	445.091	446.243	1.152	SD055	Ottumwa silty clay, 3 to 6 percent slopes	1.152
Steele City	SD	Haakon	446.243	446.282	0.040	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.040
Steele City	SD	Haakon	446.282	446.773	0.491	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.491
Steele City	SD	Haakon	446.773	447.229	0.456	SD055	Ottumwa-Razor-Savo complex, 6 to 15 percent slopes	0.456
Steele City	SD	Haakon	447.229	447.348	0.119	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.119
Steele City	SD	Haakon	447.348	447.417	0.069	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.069
Steele City	SD	Haakon	447.417	447.628	0.211	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.211
Steele City	SD	Haakon	447.628	447.881	0.253	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.253
Steele City	SD	Haakon	447.881	448.154	0.274	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.274
Steele City	SD	Haakon	448.154	448.206	0.051	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.051
Steele City	SD	Haakon	448.206	448.271	0.065	SD055	Capa-Wendte, channeled, complex	0.065
Steele City	SD	Haakon	448.271	448.344	0.073	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.073
Steele City	SD	Haakon	448.344	448.622	0.278	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.278
Steele City	SD	Haakon	448.622	448.642	0.019	SD055	Opal-Promise clays, 6 to 9 percent slopes	0.019
Steele City	SD	Haakon	448.642	448.783	0.141	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.141
Steele City	SD	Haakon	448.783	448.861	0.078	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.078
Steele City	SD	Haakon	448.861	449.136	0.275	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.275
Steele City	SD	Haakon	449.136	449.247	0.110	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.110
Steele City	SD	Haakon	449.247	449.425	0.179	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.179
Steele City	SD	Haakon	449.425	449.529	0.104	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.104

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Haakon	449.529	449.701	0.172	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.172
Steele City	SD	Haakon	449.701	449.906	0.204	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.204
Steele City	SD	Haakon	449.906	449.963	0.058	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.058
Steele City	SD	Haakon	449.963	450.451	0.487	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.487
Steele City	SD	Haakon	450.451	450.692	0.242	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.242
Steele City	SD	Haakon	450.692	450.752	0.060	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.060
Steele City	SD	Haakon	450.752	451.187	0.434	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.434
Steele City	SD	Haakon	451.187	451.565	0.379	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.379
Steele City	SD	Haakon	451.565	451.619	0.053	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.053
Steele City	SD	Haakon	451.619	451.760	0.142	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.142
Steele City	SD	Haakon	451.760	452.046	0.286	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.286
Steele City	SD	Haakon	452.046	452.499	0.453	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.453
Steele City	SD	Haakon	452.499	452.591	0.092	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.092
Steele City	SD	Haakon	452.591	453.578	0.987	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.987
Steele City	SD	Haakon	453.578	453.754	0.175	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.175
Steele City	SD	Haakon	453.754	453.857	0.103	SD055	Kirley-Ottumwa complex, 2 to 6 percent slopes	0.103
Steele City	SD	Haakon	453.857	454.055	0.198	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.198
Steele City	SD	Haakon	454.055	454.520	0.465	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.465
Steele City	SD	Haakon	454.520	454.690	0.170	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.170
Steele City	SD	Haakon	454.690	454.957	0.267	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.267
Steele City	SD	Haakon	454.957	455.131	0.173	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.173
Steele City	SD	Haakon	455.131	455.247	0.116	SD055	Capa-Wendte, channeled, complex	0.116
Steele City	SD	Haakon	455.247	455.285	0.039	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.039
Steele City	SD	Haakon	455.285	455.370	0.085	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.085
Steele City	SD	Haakon	455.370	455.700	0.330	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.330
Steele City	SD	Haakon	455.700	455.803	0.103	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.103
Steele City	SD	Haakon	455.803	456.026	0.224	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.224
Steele City	SD	Haakon	456.026	456.148	0.122	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.122
Steele City	SD	Haakon	456.148	456.248	0.100	SD055	Opal-Promise clays, 3 to 6 percent slopes	0.100
Steele City	SD	Haakon	456.248	456.329	0.082	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.082
Steele City	SD	Haakon	456.329	456.515	0.186	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.186
Steele City	SD	Haakon	456.515	456.566	0.051	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.051
Steele City	SD	Haakon	456.566	456.626	0.060	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.060
Steele City	SD	Haakon	456.626	456.850	0.223	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.223
Steele City	SD	Haakon	456.850	457.073	0.223	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.223
Steele City	SD	Haakon	457.073	457.387	0.314	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.314
Steele City	SD	Haakon	457.387	457.536	0.150	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.150
Steele City	SD	Haakon	457.536	457.663	0.126	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.126
Steele City	SD	Haakon	457.663	457.718	0.055	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.055
Steele City	SD	Haakon	457.718	457.946	0.228	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.228
Steele City	SD	Haakon	457.946	457.989	0.043	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.043
Steele City	SD	Haakon	457.989	458.237	0.248	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.248
Steele City	SD	Haakon	458.237	458.380	0.144	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.144
Steele City	SD	Haakon	458.380	458.462	0.082	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.082
Steele City	SD	Haakon	458.462	458.485	0.022	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.022
Steele City	SD	Haakon	458.485	458.527	0.043	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.043
Steele City	SD	Haakon	458.527	458.580	0.053	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.053
Steele City	SD	Haakon	458.580	459.000	0.420	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.420
Steele City	SD	Haakon	459.016	459.321	0.304	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.304
Steele City	SD	Haakon	459.321	459.425	0.104	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.104
Steele City	SD	Haakon	459.425	459.789	0.364	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.364
Steele City	SD	Haakon	459.789	460.285	0.496	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.496
Steele City	SD	Haakon	460.285	460.660	0.374	SD055	Kirley clay loam, 0 to 2 percent slopes	0.374
Steele City	SD	Haakon	460.660	460.708	0.049	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.034
Steele City	SD	Haakon	460.708	460.766	0.058	SD055	Capa-Wendte, channeled, complex	0.058
Steele City	SD	Haakon	460.766	461.005	0.239	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.239
Steele City	SD	Haakon	461.005	461.034	0.029	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.029
Steele City	SD	Haakon	461.034	461.101	0.067	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.047
Steele City	SD	Haakon	461.101	461.208	0.107	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.107
Steele City	SD	Haakon	461.208	461.259	0.051	SD055	Kirley clay loam, 0 to 2 percent slopes	0.051
Steele City	SD	Haakon	461.259	461.375	0.116	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.116
Steele City	SD	Haakon	461.375	461.493	0.119	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.119
Steele City	SD	Haakon	461.493	461.573	0.079	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.079
Steele City	SD	Haakon	461.573	461.584	0.011	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.011
Steele City	SD	Haakon	461.584	461.958	0.374	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.374
Steele City	SD	Haakon	461.958	462.120	0.162	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.162
Steele City	SD	Haakon	462.120	462.149	0.029	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.029
Steele City	SD	Haakon	462.149	462.199	0.050	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.050
Steele City	SD	Haakon	462.199	462.432	0.233	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.233
Steele City	SD	Haakon	462.432	462.655	0.224	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.224
Steele City	SD	Haakon	462.655	462.694	0.038	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.038
Steele City	SD	Haakon	462.694	462.766	0.072	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.072
Steele City	SD	Haakon	462.766	462.912	0.146	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.146

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Haakon	462.912	462.943	0.031	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.031
Steele City	SD	Haakon	462.943	463.485	0.542	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.542
Steele City	SD	Haakon	463.485	463.747	0.261	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.261
Steele City	SD	Haakon	463.747	463.997	0.250	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.250
Steele City	SD	Haakon	463.997	464.418	0.421	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.421
Steele City	SD	Haakon	464.418	464.617	0.199	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.199
Steele City	SD	Haakon	464.617	464.779	0.163	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.163
Steele City	SD	Haakon	464.779	464.916	0.136	SD055	Egas silty clay loam	0.136
Steele City	SD	Haakon	464.916	465.086	0.171	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.171
Steele City	SD	Haakon	465.086	465.211	0.125	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.125
Steele City	SD	Haakon	465.211	465.372	0.160	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.160
Steele City	SD	Haakon	465.372	465.501	0.130	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.130
Steele City	SD	Haakon	465.501	465.564	0.063	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.063
Steele City	SD	Haakon	465.564	465.787	0.223	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.223
Steele City	SD	Haakon	465.787	465.853	0.066	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.066
Steele City	SD	Haakon	465.853	466.503	0.651	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.651
Steele City	SD	Haakon	466.503	466.567	0.064	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.064
Steele City	SD	Haakon	466.567	466.644	0.077	SD055	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	0.077
Steele City	SD	Haakon	466.644	466.992	0.349	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.349
Steele City	SD	Haakon	466.992	468.096	1.104	SD055	Ottumwa silty clay, 3 to 6 percent slopes	1.104
Steele City	SD	Haakon	468.096	468.110	0.014	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.014
Steele City	SD	Haakon	468.110	468.233	0.123	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.123
Steele City	SD	Haakon	468.233	468.272	0.039	SD055	Capa-Wendte, channeled, complex	0.039
Steele City	SD	Haakon	468.272	468.461	0.189	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.189
Steele City	SD	Haakon	468.461	468.705	0.244	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.171
Steele City	SD	Haakon	468.705	468.959	0.254	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.254
Steele City	SD	Haakon	468.959	469.013	0.054	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.054
Steele City	SD	Haakon	469.013	469.220	0.207	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.207
Steele City	SD	Haakon	469.220	469.289	0.069	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.069
Steele City	SD	Haakon	469.289	469.584	0.294	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.294
Steele City	SD	Haakon	469.584	469.915	0.331	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.331
Steele City	SD	Haakon	469.915	469.976	0.061	SD055	Ottumwa silty clay, 0 to 3 percent slopes	0.061
Steele City	SD	Haakon	469.976	470.216	0.240	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.240
Steele City	SD	Haakon	470.216	470.500	0.284	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.284
Steele City	SD	Haakon	470.500	470.613	0.113	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.113
Steele City	SD	Haakon	470.613	470.710	0.097	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.097
Steele City	SD	Haakon	470.710	470.870	0.160	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.160
Steele City	SD	Haakon	470.870	471.050	0.180	SD055	Lakoma silty clay, 6 to 9 percent slopes	0.180
Steele City	SD	Haakon	471.050	471.325	0.275	SD055	Ottumwa silty clay, 3 to 6 percent slopes	0.275
Steele City	SD	Haakon	471.325	471.401	0.076	SD055	Kirley-Ottumwa complex, 6 to 9 percent slopes	0.076
Steele City	SD	Haakon	471.401	471.673	0.272	SD055	Kirley clay loam, 2 to 6 percent slopes	0.272
Steele City	SD	Haakon	471.673	471.851	0.178	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.173
Steele City	SD	Haakon	471.851	471.874	0.023	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.016
Steele City	SD	Haakon	471.874	472.128	0.254	SD055	Kirley clay loam, 2 to 6 percent slopes	0.254
Steele City	SD	Haakon	472.128	472.257	0.129	SD055	Kirley clay loam, 0 to 2 percent slopes	0.129
Steele City	SD	Haakon	472.257	472.333	0.076	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.053
Steele City	SD	Haakon	472.333	472.514	0.181	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.181
Steele City	SD	Haakon	472.514	472.562	0.048	SD055	Capa-Wendte, channeled, complex	0.048
Steele City	SD	Haakon	472.562	472.594	0.032	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.032
Steele City	SD	Haakon	472.594	472.649	0.055	SD055	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	0.055
Steele City	SD	Haakon	472.649	472.926	0.277	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.277
Steele City	SD	Haakon	472.926	473.050	0.124	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.087
Steele City	SD	Haakon	473.050	473.137	0.087	SD055	Kirley clay loam, 2 to 6 percent slopes	0.087
Steele City	SD	Haakon	473.137	473.550	0.413	SD055	Kirley clay loam, 0 to 2 percent slopes	0.413
Steele City	SD	Haakon	473.550	473.774	0.224	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.157
Steele City	SD	Haakon	473.774	473.928	0.154	SD055	Pierre clay, 6 to 9 percent slopes	0.154
Steele City	SD	Haakon	473.928	474.150	0.222	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.222
Steele City	SD	Haakon	474.150	474.207	0.057	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.040
Steele City	SD	Haakon	474.207	474.414	0.207	SD055	Kirley clay loam, 2 to 6 percent slopes	0.207
Steele City	SD	Haakon	474.414	474.677	0.263	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.255
Steele City	SD	Haakon	474.677	474.889	0.212	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.202
Steele City	SD	Haakon	474.889	474.922	0.033	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.032
Steele City	SD	Haakon	474.922	475.420	0.497	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.473
Steele City	SD	Haakon	475.420	476.205	0.785	SD055	Kirley clay loam, 0 to 2 percent slopes	0.785
Steele City	SD	Haakon	476.205	476.279	0.074	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.070
Steele City	SD	Haakon	476.279	476.421	0.143	SD055	Kirley clay loam, 0 to 2 percent slopes	0.143
Steele City	SD	Haakon	476.421	476.515	0.094	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.089
Steele City	SD	Haakon	476.515	476.606	0.090	SD055	Kirley clay loam, 0 to 2 percent slopes	0.090
Steele City	SD	Haakon	476.606	476.885	0.280	SD055	Kirley-Mosher complex, 0 to 2 percent slopes	0.280
Steele City	SD	Haakon	476.885	477.028	0.142	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.135
Steele City	SD	Haakon	477.028	477.169	0.142	SD055	Kirley clay loam, 0 to 2 percent slopes	0.142
Steele City	SD	Haakon	477.169	477.347	0.178	SD055	Mosher silt loam	0.178
Steele City	SD	Haakon	477.347	477.478	0.131	SD055	Kirley clay loam, 0 to 2 percent slopes	0.131

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Haakon	477.478	477.613	0.135	SD055	Hoven silt loam	0.135
Steele City	SD	Haakon	477.613	478.012	0.400	SD055	Kirley clay loam, 0 to 2 percent slopes	0.400
Steele City	SD	Haakon	478.012	478.324	0.312	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.218
Steele City	SD	Haakon	478.324	478.621	0.297	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.208
Steele City	SD	Haakon	478.621	478.798	0.177	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.177
Steele City	SD	Haakon	478.798	478.908	0.110	SD055	Ottumwa-Capa complex, 0 to 3 percent slopes	0.110
Steele City	SD	Haakon	478.908	479.091	0.183	SD055	Nimbro silty clay loam, channeled	0.183
Steele City	SD	Haakon	479.091	479.126	0.036	SD055	Nimbro silty clay loam	0.036
Steele City	SD	Haakon	479.126	479.260	0.133	SD055	Promise clay, 3 to 6 percent slopes	0.133
Steele City	SD	Haakon	479.260	479.554	0.294	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.286
Steele City	SD	Haakon	479.554	479.690	0.137	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.096
Steele City	SD	Haakon	479.690	480.065	0.375	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.262
Steele City	SD	Haakon	480.065	480.275	0.209	SD055	Schamber-Samsil complex, 6 to 60 percent slopes	0.096
Steele City	SD	Haakon	480.275	480.702	0.427	SD055	Sansarc-0pal clays, 9 to 40 percent slopes	0.427
Steele City	SD	Haakon	480.702	480.756	0.054	SD055	Albaton silty clay, depressional	0.054
Steele City	SD	Haakon	480.756	480.858	0.102	SD055	Nimbro silty clay loam, channeled	0.102
Steele City	SD	Haakon	480.858	481.289	0.430	SD055	Nimbro silty clay loam	0.430
Steele City	SD	Haakon	481.289	481.348	0.059	SD055	Nimbro silty clay loam, channeled	0.059
Steele City	SD	Haakon	481.348	481.544	0.196	SD055	Bullcreek clay, 0 to 6 percent slopes	0.196
Steele City	SD	Haakon	481.544	482.009	0.465	SD055	Sansarc-0pal clays, 9 to 40 percent slopes	0.465
Steele City	SD	Haakon	482.009	482.386	0.377	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.366
Steele City	SD	Haakon	482.386	482.486	0.100	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.095
Steele City	SD	Haakon	482.486	482.604	0.118	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.114
Steele City	SD	Haakon	482.604	482.690	0.086	SD055	Lakoma silty clay, 6 to 15 percent slopes	0.086
Steele City	SD	Haakon	482.690	482.701	0.011	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.011
Steele City	SD	Haakon	482.701	482.797	0.096	SD055	Sansarc-0pal clays, 9 to 40 percent slopes	0.096
Steele City	SD	Haakon	482.797	483.033	0.236	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.229
Steele City	SD	Haakon	483.033	483.396	0.363	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.363
Steele City	SD	Haakon	483.396	483.427	0.030	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.029
Steele City	SD	Haakon	483.427	484.135	0.709	SD055	Lakoma silty clay, 3 to 6 percent slopes	0.709
Steele City	SD	Haakon	484.135	484.245	0.110	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.077
Steele City	SD	Haakon	484.245	484.300	0.055	SD055	Kirley clay loam, 2 to 6 percent slopes	0.055
Steele City	SD	Haakon	484.300	484.353	0.052	SD055	Kirley clay loam, 6 to 15 percent slopes	0.052
Steele City	SD	Haakon	484.353	484.484	0.131	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.092
Steele City	SD	Haakon	484.484	484.797	0.313	SD055	Kirley clay loam, 2 to 6 percent slopes	0.313
Steele City	SD	Haakon	484.797	484.874	0.076	SD055	Kirley clay loam, 6 to 15 percent slopes	0.076
Steele City	SD	Haakon	484.874	484.931	0.057	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.040
Steele City	SD	Jones	484.931	484.953	0.023	SD075	Kirley-Vivian complex, 9 to 25 percent slopes	0.016
Steele City	SD	Jones	484.953	485.092	0.139	SD075	Kirley-Mosher complex, 0 to 6 percent slopes	0.139
Steele City	SD	Jones	485.092	485.132	0.040	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.039
Steele City	SD	Jones	485.132	485.208	0.075	SD075	Kirley-Mosher complex, 0 to 6 percent slopes	0.075
Steele City	SD	Jones	485.208	485.647	0.439	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.417
Steele City	SD	Jones	485.647	485.708	0.061	SD075	Kirley-Vivian complex, 9 to 25 percent slopes	0.043
Steele City	SD	Jones	485.708	485.848	0.140	SD075	Kirley-Mosher complex, 0 to 6 percent slopes	0.140
Steele City	SD	Jones	485.848	485.957	0.109	SD075	Kirley clay loam, 9 to 15 percent slopes	0.107
Steele City	SD	Jones	485.957	486.066	0.109	SD075	Kirley-Mosher complex, 0 to 6 percent slopes	0.109
Steele City	SD	Jones	486.066	486.238	0.172	SD075	Kirley clay loam, 9 to 15 percent slopes	0.169
Steele City	SD	Jones	486.238	486.684	0.445	SD075	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	0.445
Steele City	SD	Jones	486.684	486.830	0.146	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.139
Steele City	SD	Jones	486.830	486.944	0.114	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.114
Steele City	SD	Jones	486.944	487.234	0.291	SD075	Kirley clay loam, 2 to 6 percent slopes	0.291
Steele City	SD	Jones	487.234	487.261	0.027	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.027
Steele City	SD	Jones	487.261	487.431	0.170	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.170
Steele City	SD	Jones	487.431	487.592	0.161	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.156
Steele City	SD	Jones	487.592	487.715	0.123	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.117
Steele City	SD	Jones	487.715	488.243	0.527	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.512
Steele City	SD	Jones	488.243	489.163	0.921	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.875
Steele City	SD	Jones	489.163	489.293	0.130	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.130
Steele City	SD	Jones	489.293	489.463	0.170	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.161
Steele City	SD	Jones	489.463	489.720	0.257	SD075	Kirley clay loam, 2 to 6 percent slopes	0.257
Steele City	SD	Jones	489.720	489.736	0.016	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.016
Steele City	SD	Jones	489.736	489.935	0.199	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.189
Steele City	SD	Jones	489.935	490.138	0.203	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.197
Steele City	SD	Jones	490.138	490.543	0.405	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.385
Steele City	SD	Jones	490.543	490.788	0.245	SD075	Kirley clay loam, 2 to 6 percent slopes	0.245
Steele City	SD	Jones	490.788	490.866	0.078	SD075	Ree loam, 2 to 6 percent slopes	0.078
Steele City	SD	Jones	490.866	491.004	0.138	SD075	Ree loam, 0 to 2 percent slopes	0.138
Steele City	SD	Jones	491.004	491.210	0.206	SD075	Ree loam, 2 to 6 percent slopes	0.206
Steele City	SD	Jones	491.210	491.220	0.010	SD075	Kirley-Vivian complex, 9 to 25 percent slopes	0.007
Steele City	SD	Jones	491.220	491.263	0.043	SD075	Ree loam, 2 to 6 percent slopes	0.043
Steele City	SD	Jones	491.263	491.457	0.194	SD075	Kirley-Vivian complex, 9 to 25 percent slopes	0.136
Steele City	SD	Jones	491.457	491.847	0.390	SD075	Kirley clay loam, 9 to 15 percent slopes	0.382
Steele City	SD	Jones	491.847	492.153	0.306	SD075	Opal clay loam, 6 to 15 percent slopes	0.306

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Jones	492.153	492.271	0.119	SD075	Opal clay loam, 6 to 9 percent slopes	0.119
Steele City	SD	Jones	492.271	492.364	0.093	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.088
Steele City	SD	Jones	492.364	492.454	0.091	SD075	Lakoma-Vivian complex, 9 to 25 percent slopes	0.064
Steele City	SD	Jones	492.454	492.480	0.026	SD075	Opal clay loam, 6 to 9 percent slopes	0.026
Steele City	SD	Jones	492.480	493.177	0.697	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.662
Steele City	SD	Jones	493.177	493.468	0.291	SD075	Kirley clay loam, 0 to 2 percent slopes	0.291
Steele City	SD	Jones	493.468	493.589	0.120	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.114
Steele City	SD	Jones	493.589	493.634	0.045	SD075	Promise-Capa complex	0.045
Steele City	SD	Jones	493.634	493.850	0.216	SD075	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	0.216
Steele City	SD	Jones	493.850	493.959	0.108	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.103
Steele City	SD	Jones	493.959	493.987	0.028	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.027
Steele City	SD	Jones	493.987	494.156	0.170	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.161
Steele City	SD	Jones	494.156	494.262	0.106	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.106
Steele City	SD	Jones	494.262	494.347	0.084	SD075	Mosher silt loam	0.084
Steele City	SD	Jones	494.347	494.420	0.073	SD075	Kirley clay loam, 0 to 2 percent slopes	0.073
Steele City	SD	Jones	494.420	494.555	0.135	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.128
Steele City	SD	Jones	494.555	494.935	0.380	SD075	Kirley clay loam, 2 to 6 percent slopes	0.380
Steele City	SD	Jones	494.935	495.225	0.290	SD075	Mosher-Capa silt loams	0.290
Steele City	SD	Jones	495.225	495.355	0.129	SD075	Promise clay, 0 to 3 percent slopes	0.129
Steele City	SD	Jones	495.355	495.373	0.018	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.018
Steele City	SD	Jones	495.373	495.556	0.183	SD075	Promise clay, 0 to 3 percent slopes	0.183
Steele City	SD	Jones	495.556	496.233	0.677	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.643
Steele City	SD	Jones	496.233	496.312	0.079	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.079
Steele City	SD	Jones	496.312	496.341	0.029	SD075	Promise clay, 3 to 6 percent slopes	0.029
Steele City	SD	Jones	496.341	496.346	0.006	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.006
Steele City	SD	Jones	496.346	496.668	0.322	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.306
Steele City	SD	Jones	496.668	496.782	0.114	SD075	Kirley clay loam, 2 to 6 percent slopes	0.114
Steele City	SD	Jones	496.782	497.126	0.344	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.344
Steele City	SD	Jones	497.126	497.274	0.148	SD075	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	0.148
Steele City	SD	Jones	497.274	497.346	0.072	SD075	Kirley clay loam, 9 to 15 percent slopes	0.071
Steele City	SD	Jones	497.346	497.746	0.399	SD075	Kirley-Vivian complex, 9 to 25 percent slopes	0.280
Steele City	SD	Jones	497.746	497.754	0.008	SD075	Kirley clay loam, 2 to 6 percent slopes	0.008
Steele City	SD	Jones	497.754	498.290	0.535	SD075	Promise clay, 3 to 6 percent slopes	0.535
Steele City	SD	Jones	498.290	498.454	0.165	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.156
Steele City	SD	Jones	498.454	498.595	0.140	SD075	Kirley clay loam, 2 to 6 percent slopes	0.140
Steele City	SD	Jones	498.595	498.771	0.176	SD075	Promise clay, 6 to 9 percent slopes	0.176
Steele City	SD	Jones	498.771	498.811	0.040	SD075	Ree loam, 2 to 6 percent slopes	0.040
Steele City	SD	Jones	498.811	499.044	0.233	SD075	Mosher silt loam	0.233
Steele City	SD	Jones	499.044	499.132	0.088	SD075	Promise clay, 3 to 6 percent slopes	0.088
Steele City	SD	Jones	499.132	499.414	0.282	SD075	Opal clay, 3 to 6 percent slopes	0.282
Steele City	SD	Jones	499.414	499.741	0.327	SD075	Kirley clay loam, 2 to 6 percent slopes	0.327
Steele City	SD	Jones	499.741	499.838	0.097	SD075	Witten silty clay	0.097
Steele City	SD	Jones	499.838	500.242	0.405	SD075	Promise clay, 3 to 6 percent slopes	0.405
Steele City	SD	Jones	500.242	500.348	0.106	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.101
Steele City	SD	Jones	500.348	500.499	0.151	SD075	Promise clay, 3 to 6 percent slopes	0.151
Steele City	SD	Jones	500.499	500.939	0.439	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.417
Steele City	SD	Jones	500.939	501.052	0.113	SD075	Promise clay, 3 to 6 percent slopes	0.113
Steele City	SD	Jones	501.052	501.238	0.186	SD075	Promise clay, 0 to 3 percent slopes	0.186
Steele City	SD	Jones	501.238	501.386	0.149	SD075	Opal clay, 6 to 15 percent slopes	0.149
Steele City	SD	Jones	501.386	501.484	0.098	SD075	Promise clay, 3 to 6 percent slopes	0.098
Steele City	SD	Jones	501.484	501.614	0.130	SD075	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	0.130
Steele City	SD	Jones	501.614	501.816	0.202	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.192
Steele City	SD	Jones	501.816	501.978	0.163	SD075	Promise clay, 6 to 9 percent slopes	0.163
Steele City	SD	Jones	501.978	502.067	0.089	SD075	Promise clay, 3 to 6 percent slopes	0.089
Steele City	SD	Jones	502.067	502.162	0.095	SD075	Sansarc-Opal clays, 9 to 40 percent slopes	0.093
Steele City	SD	Jones	502.194	502.241	0.046	SD075	Sansarc-Opal clays, 9 to 40 percent slopes	0.045
Steele City	SD	Jones	502.241	502.306	0.065	SD075	Promise clay, 0 to 3 percent slopes	0.065
Steele City	SD	Jones	502.306	502.725	0.419	SD075	Promise clay, 3 to 6 percent slopes	0.419
Steele City	SD	Jones	502.725	502.799	0.074	SD075	Opal clay, 6 to 15 percent slopes	0.074
Steele City	SD	Jones	502.799	503.905	1.106	SD075	Lakoma silty clay, 6 to 15 percent slopes	1.051
Steele City	SD	Jones	503.905	504.024	0.119	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.119
Steele City	SD	Jones	504.024	504.880	0.856	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.813
Steele City	SD	Jones	504.880	504.953	0.072	SD075	Opal clay, 6 to 15 percent slopes	0.072
Steele City	SD	Jones	504.953	505.127	0.174	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.165
Steele City	SD	Jones	505.127	505.397	0.271	SD075	Opal clay, 6 to 15 percent slopes	0.271
Steele City	SD	Jones	505.397	505.422	0.024	SD075	Opal clay, 6 to 9 percent slopes	0.024
Steele City	SD	Jones	505.422	505.686	0.264	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.264
Steele City	SD	Jones	505.686	505.783	0.097	SD075	Opal clay, 6 to 15 percent slopes	0.097
Steele City	SD	Jones	505.783	506.138	0.355	SD075	Opal clay, 6 to 9 percent slopes	0.355
Steele City	SD	Jones	506.138	506.185	0.047	SD075	Opal clay, 6 to 15 percent slopes	0.047
Steele City	SD	Jones	506.185	506.221	0.036	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.034
Steele City	SD	Jones	506.221	506.245	0.024	SD075	Opal clay, 6 to 15 percent slopes	0.024
Steele City	SD	Jones	506.245	506.409	0.164	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.156

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Jones	506.409	506.574	0.165	SD075	Promise clay, 3 to 6 percent slopes	0.165
Steele City	SD	Jones	506.574	506.628	0.054	SD075	Wendte silty clay, channeled	0.054
Steele City	SD	Jones	506.628	506.678	0.050	SD075	Opal clay, 6 to 15 percent slopes	0.050
Steele City	SD	Jones	506.678	506.882	0.203	SD075	Opal clay, 6 to 9 percent slopes	0.203
Steele City	SD	Jones	506.882	507.177	0.296	SD075	Promise clay, 3 to 6 percent slopes	0.296
Steele City	SD	Jones	507.177	507.274	0.097	SD075	Opal clay, 3 to 6 percent slopes	0.097
Steele City	SD	Jones	507.274	507.381	0.106	SD075	Opal clay, 6 to 15 percent slopes	0.106
Steele City	SD	Jones	507.381	507.504	0.124	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.117
Steele City	SD	Jones	507.504	507.606	0.102	SD075	Opal clay, 3 to 6 percent slopes	0.102
Steele City	SD	Jones	507.606	507.649	0.043	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.042
Steele City	SD	Jones	507.649	507.700	0.051	SD075	Herdcamp-Bullcreek complex	0.051
Steele City	SD	Jones	507.700	507.752	0.052	SD075	Opal clay, 6 to 15 percent slopes	0.052
Steele City	SD	Jones	507.752	507.822	0.070	SD075	Opal clay, 3 to 6 percent slopes	0.070
Steele City	SD	Jones	507.822	507.929	0.107	SD075	Opal clay, 6 to 15 percent slopes	0.107
Steele City	SD	Jones	507.929	508.104	0.175	SD075	Opal clay, 6 to 9 percent slopes	0.175
Steele City	SD	Jones	508.104	508.177	0.074	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.074
Steele City	SD	Jones	508.177	508.276	0.099	SD075	Opal clay, 6 to 9 percent slopes	0.099
Steele City	SD	Jones	508.276	508.452	0.176	SD075	Opal clay, 3 to 6 percent slopes	0.176
Steele City	SD	Jones	508.452	508.527	0.075	SD075	Opal clay, 6 to 9 percent slopes	0.075
Steele City	SD	Jones	508.527	508.856	0.329	SD075	Opal clay, 6 to 15 percent slopes	0.329
Steele City	SD	Jones	508.856	509.331	0.476	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.452
Steele City	SD	Jones	509.331	509.613	0.282	SD075	Opal clay, 3 to 6 percent slopes	0.282
Steele City	SD	Jones	509.613	509.865	0.252	SD075	Opal clay, 6 to 9 percent slopes	0.252
Steele City	SD	Jones	509.865	509.925	0.060	SD075	Opal clay, 3 to 6 percent slopes	0.060
Steele City	SD	Jones	509.925	510.334	0.409	SD075	Opal clay, 6 to 15 percent slopes	0.409
Steele City	SD	Jones	510.334	510.433	0.099	SD075	Opal clay, 6 to 9 percent slopes	0.099
Steele City	SD	Jones	510.433	510.851	0.418	SD075	Opal clay, 6 to 15 percent slopes	0.418
Steele City	SD	Jones	510.851	511.965	1.114	SD075	Lakoma silty clay, 6 to 15 percent slopes	1.059
Steele City	SD	Jones	511.965	512.007	0.042	SD075	Promise clay, 3 to 6 percent slopes	0.042
Steele City	SD	Jones	512.007	512.093	0.086	SD075	Opal clay, 6 to 9 percent slopes	0.086
Steele City	SD	Jones	512.093	512.283	0.190	SD075	Promise clay, 3 to 6 percent slopes	0.190
Steele City	SD	Jones	512.283	512.362	0.079	SD075	Opal clay, 3 to 6 percent slopes	0.079
Steele City	SD	Jones	512.362	512.501	0.139	SD075	Promise clay, 3 to 6 percent slopes	0.139
Steele City	SD	Jones	512.501	512.641	0.140	SD075	Opal clay, 3 to 6 percent slopes	0.140
Steele City	SD	Jones	512.641	512.854	0.213	SD075	Promise clay, 3 to 6 percent slopes	0.213
Steele City	SD	Jones	512.854	512.915	0.061	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.061
Steele City	SD	Jones	512.915	512.990	0.075	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.071
Steele City	SD	Jones	512.990	513.364	0.374	SD075	Opal clay, 6 to 15 percent slopes	0.374
Steele City	SD	Jones	513.364	513.548	0.184	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.184
Steele City	SD	Jones	513.548	513.671	0.124	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.117
Steele City	SD	Jones	513.671	513.769	0.098	SD075	Promise clay, 3 to 6 percent slopes	0.098
Steele City	SD	Jones	513.769	513.885	0.116	SD075	Opal clay, 6 to 9 percent slopes	0.116
Steele City	SD	Jones	513.885	514.299	0.414	SD075	Opal clay, 6 to 15 percent slopes	0.414
Steele City	SD	Jones	514.299	515.328	1.029	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.977
Steele City	SD	Jones	515.328	515.677	0.349	SD075	Opal clay, 3 to 6 percent slopes	0.349
Steele City	SD	Jones	515.677	515.789	0.112	SD075	Promise-Bullcreek clays	0.112
Steele City	SD	Jones	515.789	516.066	0.277	SD075	Opal clay, 3 to 6 percent slopes	0.277
Steele City	SD	Jones	516.066	516.122	0.055	SD075	Promise clay, 0 to 3 percent slopes	0.055
Steele City	SD	Jones	516.122	516.176	0.055	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.055
Steele City	SD	Jones	516.176	516.323	0.147	SD075	Opal clay, 3 to 6 percent slopes	0.147
Steele City	SD	Jones	516.323	516.402	0.079	SD075	Promise clay, 0 to 3 percent slopes	0.079
Steele City	SD	Jones	516.402	516.523	0.120	SD075	Opal clay, 3 to 6 percent slopes	0.120
Steele City	SD	Jones	516.523	516.726	0.203	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.203
Steele City	SD	Jones	516.726	516.983	0.257	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.257
Steele City	SD	Jones	516.983	517.233	0.250	SD075	Opal clay, 3 to 6 percent slopes	0.250
Steele City	SD	Jones	517.233	517.277	0.045	SD075	Herdcamp-Bullcreek complex	0.045
Steele City	SD	Jones	517.277	517.367	0.090	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.085
Steele City	SD	Jones	517.367	517.513	0.146	SD075	Opal clay, 6 to 9 percent slopes	0.146
Steele City	SD	Jones	517.513	517.984	0.470	SD075	Opal clay, 3 to 6 percent slopes	0.470
Steele City	SD	Jones	517.984	518.088	0.104	SD075	Promise clay, 3 to 6 percent slopes	0.104
Steele City	SD	Jones	518.088	518.181	0.094	SD075	Opal clay, 3 to 6 percent slopes	0.094
Steele City	SD	Jones	518.181	518.270	0.088	SD075	Lakoma silty clay, 6 to 9 percent slopes	0.088
Steele City	SD	Jones	518.270	518.874	0.604	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.574
Steele City	SD	Jones	518.874	518.898	0.024	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.024
Steele City	SD	Jones	518.898	519.378	0.480	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.456
Steele City	SD	Jones	519.378	519.604	0.226	SD075	Opal clay loam, 6 to 15 percent slopes	0.226
Steele City	SD	Jones	519.604	519.944	0.340	SD075	Opal clay loam, 6 to 9 percent slopes	0.340
Steele City	SD	Jones	519.944	520.041	0.098	SD075	Bullcreek clay, 0 to 6 percent slopes	0.098
Steele City	SD	Jones	520.041	520.135	0.093	SD075	Promise clay, 0 to 3 percent slopes	0.093
Steele City	SD	Jones	520.135	520.307	0.173	SD075	Opal clay loam, 6 to 9 percent slopes	0.173
Steele City	SD	Jones	520.307	520.325	0.018	SD075	Promise clay, 0 to 3 percent slopes	0.018
Steele City	SD	Jones	520.325	520.422	0.097	SD075	Promise-Bullcreek clays	0.097
Steele City	SD	Jones	520.422	520.706	0.284	SD075	Promise clay, 0 to 3 percent slopes	0.284

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Jones	520.706	520.807	0.101	SD075	Bullcreek clay, 0 to 6 percent slopes	0.101
Steele City	SD	Jones	520.807	521.198	0.391	SD075	Promise clay, 0 to 3 percent slopes	0.391
Steele City	SD	Jones	521.198	521.429	0.231	SD075	Millboro silty clay loam, 3 to 6 percent slopes	0.231
Steele City	SD	Jones	521.429	521.793	0.364	SD075	Millboro silty clay loam, 0 to 3 percent slopes	0.364
Steele City	SD	Jones	521.793	522.003	0.210	SD075	Promise-Bullcreek clays	0.210
Steele City	SD	Jones	522.003	522.085	0.083	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.083
Steele City	SD	Jones	522.085	522.305	0.219	SD075	Bullcreek clay, 0 to 6 percent slopes	0.219
Steele City	SD	Jones	522.305	522.539	0.235	SD075	Promise clay, 0 to 3 percent slopes	0.235
Steele City	SD	Jones	522.539	522.593	0.053	SD075	Bullcreek clay, 0 to 6 percent slopes	0.053
Steele City	SD	Jones	522.593	522.868	0.275	SD075	Millboro silty clay loam, 0 to 3 percent slopes	0.275
Steele City	SD	Jones	522.868	523.008	0.140	SD075	Promise-Bullcreek clays	0.140
Steele City	SD	Jones	523.008	523.089	0.082	SD075	Millboro silty clay loam, 0 to 3 percent slopes	0.082
Steele City	SD	Jones	523.089	523.203	0.114	SD075	Lakoma silty clay, 3 to 6 percent slopes	0.114
Steele City	SD	Jones	523.203	523.371	0.168	SD075	Millboro silty clay loam, 3 to 6 percent slopes	0.168
Steele City	SD	Jones	523.371	523.392	0.021	SD075	Millboro silty clay loam, 0 to 3 percent slopes	0.021
Steele City	SD	Jones	523.392	523.769	0.378	SD075	Witten silty clay	0.378
Steele City	SD	Jones	523.769	523.887	0.118	SD075	Millboro silty clay loam, 3 to 6 percent slopes	0.118
Steele City	SD	Jones	523.887	524.126	0.239	SD075	Millboro silty clay loam, 6 to 9 percent slopes	0.239
Steele City	SD	Jones	524.126	524.605	0.480	SD075	Millboro silty clay loam, 3 to 6 percent slopes	0.480
Steele City	SD	Jones	524.605	525.017	0.412	SD075	Promise clay, 0 to 3 percent slopes	0.412
Steele City	SD	Lyman	525.017	525.662	0.645	SD085	Promise clay, 0 to 3 percent slopes	0.645
Steele City	SD	Lyman	525.662	525.718	0.056	SD085	Millboro silty clay, 3 to 6 percent slopes	0.056
Steele City	SD	Lyman	525.718	526.245	0.527	SD085	Millboro silty clay, 0 to 3 percent slopes	0.527
Steele City	SD	Lyman	526.245	526.300	0.054	SD085	Millboro silty clay, 3 to 6 percent slopes	0.054
Steele City	SD	Lyman	526.300	526.380	0.080	SD085	Millboro silty clay, 0 to 3 percent slopes	0.080
Steele City	SD	Lyman	526.380	526.487	0.108	SD085	Millboro silty clay, 3 to 6 percent slopes	0.108
Steele City	SD	Lyman	526.487	526.488	0.000	SD085	Witten silty clay	0.000
Steele City	SD	Lyman	526.488	526.600	0.113	SD085	Kolls silty clay	0.113
Steele City	SD	Lyman	526.600	526.714	0.114	SD085	Millboro silty clay, 3 to 6 percent slopes	0.114
Steele City	SD	Lyman	526.714	527.008	0.294	SD085	Witten silty clay	0.294
Steele City	SD	Lyman	527.008	527.250	0.242	SD085	Millboro silty clay, 3 to 6 percent slopes	0.242
Steele City	SD	Lyman	527.250	527.525	0.274	SD085	Witten silty clay	0.274
Steele City	SD	Lyman	527.525	528.156	0.631	SD085	Millboro silty clay, 3 to 6 percent slopes	0.631
Steele City	SD	Lyman	528.156	528.234	0.079	SD085	Promise clay, 0 to 3 percent slopes	0.079
Steele City	SD	Lyman	528.234	528.245	0.011	SD085	Witten silty clay	0.011
Steele City	SD	Lyman	528.245	528.644	0.399	SD085	Millboro silty clay, 3 to 6 percent slopes	0.399
Steele City	SD	Lyman	528.644	528.796	0.151	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	0.151
Steele City	SD	Lyman	528.796	529.697	0.901	SD085	Millboro silty clay, 3 to 6 percent slopes	0.901
Steele City	SD	Lyman	529.697	529.832	0.135	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	0.135
Steele City	SD	Lyman	529.832	529.948	0.116	SD085	Bullcreek clay, 0 to 6 percent slopes	0.116
Steele City	SD	Lyman	529.948	530.611	0.662	SD085	Millboro silty clay, 3 to 6 percent slopes	0.662
Steele City	SD	Lyman	530.611	530.721	0.111	SD085	Bullcreek clay, 0 to 6 percent slopes	0.111
Steele City	SD	Lyman	530.721	530.752	0.031	SD085	Lakoma silty clay, 6 to 9 percent slopes	0.031
Steele City	SD	Lyman	530.752	531.321	0.569	SD085	Millboro silty clay, 3 to 6 percent slopes	0.569
Steele City	SD	Lyman	531.321	531.536	0.215	SD085	Millboro silty clay, 0 to 3 percent slopes	0.215
Steele City	SD	Lyman	531.536	532.026	0.490	SD085	Millboro silty clay, 3 to 6 percent slopes	0.490
Steele City	SD	Lyman	532.026	532.419	0.393	SD085	Millboro silty clay, 0 to 3 percent slopes	0.393
Steele City	SD	Lyman	532.419	532.556	0.137	SD085	Millboro silty clay, 3 to 6 percent slopes	0.137
Steele City	SD	Lyman	532.556	532.786	0.229	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	0.229
Steele City	SD	Lyman	532.786	532.965	0.179	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.174
Steele City	SD	Lyman	532.965	533.041	0.077	SD085	Bullcreek clay, 0 to 6 percent slopes	0.077
Steele City	SD	Lyman	533.041	533.216	0.174	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.169
Steele City	SD	Lyman	533.216	533.443	0.228	SD085	Lakoma-Okaton silty clays, 6 to 15 percent slopes	0.228
Steele City	SD	Lyman	533.443	533.681	0.238	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	0.238
Steele City	SD	Lyman	533.681	533.738	0.057	SD085	Millboro silty clay, 3 to 6 percent slopes	0.057
Steele City	SD	Lyman	533.738	533.863	0.125	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.121
Steele City	SD	Lyman	533.863	533.995	0.133	SD085	Lakoma-Okaton silty clays, 6 to 15 percent slopes	0.133
Steele City	SD	Lyman	533.995	534.124	0.128	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	0.128
Steele City	SD	Lyman	534.124	534.283	0.159	SD085	Lakoma-Okaton silty clays, 6 to 15 percent slopes	0.159
Steele City	SD	Lyman	534.283	534.651	0.368	SD085	Millboro-Boro silty clays, 6 to 9 percent slopes	0.368
Steele City	SD	Lyman	534.651	535.246	0.595	SD085	Millboro silty clay, 3 to 6 percent slopes	0.595
Steele City	SD	Lyman	535.246	535.500	0.254	SD085	Capa silt loam, 0 to 6 percent slopes	0.254
Steele City	SD	Lyman	535.500	535.586	0.086	SD085	Millboro silty clay, 3 to 6 percent slopes	0.086
Steele City	SD	Lyman	535.586	535.774	0.188	SD085	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.179
Steele City	SD	Lyman	535.774	535.821	0.047	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.046
Steele City	SD	Lyman	535.821	535.834	0.013	SD085	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.013
Steele City	SD	Lyman	535.834	535.926	0.092	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.089
Steele City	SD	Lyman	535.926	536.025	0.099	SD085	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.094
Steele City	SD	Lyman	536.025	536.612	0.587	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.570
Steele City	SD	Lyman	536.612	536.668	0.055	SD085	Bullcreek clay, 0 to 6 percent slopes	0.055
Steele City	SD	Lyman	536.668	536.749	0.081	SD085	Promise clay, 0 to 3 percent slopes	0.081
Steele City	SD	Lyman	536.749	536.814	0.065	SD085	Hilmoe silty clay	0.063
Steele City	SD	Lyman	536.814	536.845	0.031	SD085	Bigbend silt loam	0.028

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Lyman	536.845	536.875	0.030	SD085	Munjor fine sandy loam	0.003
Steele City	SD	Tripp	536.971	537.160	0.188	SD123	Munjor fine sandy loam	0.009
Steele City	SD	Tripp	537.160	537.326	0.167	SD123	Bigbend soils	0.152
Steele City	SD	Tripp	537.326	537.349	0.022	SD123	Hilmoe clay, 0 to 2 percent slopes	0.022
Steele City	SD	Tripp	537.349	537.614	0.266	SD123	Opal-Sansarc clays, 9 to 25 percent slopes	0.266
Steele City	SD	Tripp	537.614	537.759	0.145	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.135
Steele City	SD	Tripp	537.759	537.784	0.025	SD123	Westover loam, 9 to 25 percent slopes	0.002
Steele City	SD	Tripp	537.784	537.925	0.141	SD123	Lowry silt loam, 0 to 4 percent slopes	0.014
Steele City	SD	Tripp	537.925	538.019	0.094	SD123	Westover loam, 9 to 25 percent slopes	0.008
Steele City	SD	Tripp	538.019	538.176	0.157	SD123	Ree loam, 3 to 6 percent slopes	0.157
Steele City	SD	Tripp	538.176	538.211	0.035	SD123	Westover loam, 9 to 25 percent slopes	0.003
Steele City	SD	Tripp	538.211	538.253	0.042	SD123	Ree loam, 3 to 6 percent slopes	0.042
Steele City	SD	Tripp	538.253	538.429	0.176	SD123	Lowry silt loam, 0 to 4 percent slopes	0.018
Steele City	SD	Tripp	538.429	538.767	0.339	SD123	Ree loam, 3 to 6 percent slopes	0.339
Steele City	SD	Tripp	538.767	538.926	0.159	SD123	Westover loam, 9 to 25 percent slopes	0.014
Steele City	SD	Tripp	538.926	538.965	0.039	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.038
Steele City	SD	Tripp	538.965	539.067	0.102	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.095
Steele City	SD	Tripp	539.067	539.184	0.117	SD123	Bullcreek clay	0.117
Steele City	SD	Tripp	539.184	539.990	0.806	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.749
Steele City	SD	Tripp	539.990	540.226	0.236	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.232
Steele City	SD	Tripp	540.226	540.307	0.081	SD123	Schamber-Murdo complex, 15 to 40 percent slopes	0.044
Steele City	SD	Tripp	540.307	540.345	0.038	SD123	Westover loam, 9 to 25 percent slopes	0.003
Steele City	SD	Tripp	540.345	541.045	0.700	SD123	Ree loam, 0 to 3 percent slopes	0.700
Steele City	SD	Tripp	541.045	541.091	0.046	SD123	Westover loam, 9 to 25 percent slopes	0.004
Steele City	SD	Tripp	541.091	541.630	0.540	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.529
Steele City	SD	Tripp	541.630	542.136	0.505	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.470
Steele City	SD	Tripp	542.136	542.188	0.052	SD123	Bullcreek clay	0.052
Steele City	SD	Tripp	542.188	542.334	0.146	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.136
Steele City	SD	Tripp	542.334	542.397	0.063	SD123	Bullcreek clay	0.063
Steele City	SD	Tripp	542.397	542.671	0.275	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.255
Steele City	SD	Tripp	542.671	542.970	0.299	SD123	Bullcreek clay	0.299
Steele City	SD	Tripp	542.970	543.060	0.090	SD123	Opal clay, 3 to 9 percent slopes	0.090
Steele City	SD	Tripp	543.060	543.197	0.137	SD123	Bullcreek clay	0.137
Steele City	SD	Tripp	543.197	543.460	0.264	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.245
Steele City	SD	Tripp	543.460	543.916	0.455	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.446
Steele City	SD	Tripp	543.916	544.067	0.151	SD123	Ree loam, 6 to 9 percent slopes	0.151
Steele City	SD	Tripp	544.067	544.211	0.144	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.141
Steele City	SD	Tripp	544.211	544.758	0.547	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.525
Steele City	SD	Tripp	544.758	544.863	0.105	SD123	Ree loam, 6 to 9 percent slopes	0.105
Steele City	SD	Tripp	544.863	544.923	0.060	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.058
Steele City	SD	Tripp	544.923	545.100	0.177	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.174
Steele City	SD	Tripp	545.100	545.209	0.109	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.105
Steele City	SD	Tripp	545.209	546.009	0.799	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.783
Steele City	SD	Tripp	546.009	546.049	0.040	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.040
Steele City	SD	Tripp	546.049	546.050	0.001	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.001
Steele City	SD	Tripp	546.050	546.619	0.569	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.569
Steele City	SD	Tripp	546.619	546.811	0.191	SD123	Millboro silty clay, 3 to 6 percent slopes	0.190
Steele City	SD	Tripp	546.811	546.961	0.150	SD123	Mosher silt loam	0.150
Steele City	SD	Tripp	546.961	547.088	0.127	SD123	Millboro silty clay, 0 to 3 percent slopes	0.127
Steele City	SD	Tripp	547.088	547.204	0.116	SD123	Mosher silt loam	0.116
Steele City	SD	Tripp	547.204	547.442	0.239	SD123	Millboro silty clay, 0 to 3 percent slopes	0.239
Steele City	SD	Tripp	547.442	547.540	0.098	SD123	Millboro silty clay, 3 to 6 percent slopes	0.097
Steele City	SD	Tripp	547.540	547.646	0.106	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.106
Steele City	SD	Tripp	547.646	548.179	0.533	SD123	Millboro silty clay, 3 to 6 percent slopes	0.527
Steele City	SD	Tripp	548.179	548.271	0.092	SD123	Witten silty clay	0.092
Steele City	SD	Tripp	548.271	548.400	0.129	SD123	Millboro silty clay, 3 to 6 percent slopes	0.128
Steele City	SD	Tripp	548.400	548.417	0.017	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.017
Steele City	SD	Tripp	548.417	548.420	0.003	SD123	Ree loam, 3 to 6 percent slopes	0.003
Steele City	SD	Tripp	548.420	548.598	0.177	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.177
Steele City	SD	Tripp	548.598	548.634	0.036	SD123	Ree loam, 3 to 6 percent slopes	0.036
Steele City	SD	Tripp	548.634	548.816	0.182	SD123	Reliance silty clay loam, 3 to 6 percent slopes	0.177
Steele City	SD	Tripp	548.816	549.399	0.583	SD123	Reliance silty clay loam, 6 to 9 percent slopes	0.578
Steele City	SD	Tripp	549.399	549.660	0.260	SD123	Reliance silty clay loam, 3 to 6 percent slopes	0.253
Steele City	SD	Tripp	549.660	549.807	0.148	SD123	Onita silt loam	0.148
Steele City	SD	Tripp	549.807	550.186	0.379	SD123	Reliance silty clay loam, 3 to 6 percent slopes	0.368
Steele City	SD	Tripp	550.186	550.288	0.102	SD123	Kolls clay	0.102
Steele City	SD	Tripp	550.288	550.852	0.563	SD123	Reliance silty clay loam, 3 to 6 percent slopes	0.546
Steele City	SD	Tripp	550.852	551.015	0.163	SD123	Millboro silty clay, 6 to 9 percent slopes	0.160
Steele City	SD	Tripp	551.015	551.076	0.062	SD123	Millboro silty clay, 3 to 6 percent slopes	0.061
Steele City	SD	Tripp	551.076	551.296	0.220	SD123	Carter silty clay loam	0.220
Steele City	SD	Tripp	551.296	551.355	0.058	SD123	Millboro silty clay, 0 to 3 percent slopes	0.058
Steele City	SD	Tripp	551.355	551.512	0.157	SD123	Carter silty clay loam	0.157
Steele City	SD	Tripp	551.512	551.602	0.090	SD123	Millboro silty clay, 3 to 6 percent slopes	0.089

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Tripp	551.602	551.783	0.181	SD123	Millboro silty clay, 0 to 3 percent slopes	0.181
Steele City	SD	Tripp	551.783	551.962	0.180	SD123	Millboro silty clay, 3 to 6 percent slopes	0.178
Steele City	SD	Tripp	551.962	552.160	0.198	SD123	Millboro silty clay, 0 to 3 percent slopes	0.198
Steele City	SD	Tripp	552.160	552.404	0.245	SD123	Millboro silty clay, 3 to 6 percent slopes	0.242
Steele City	SD	Tripp	552.404	552.442	0.038	SD123	Witten silty clay	0.038
Steele City	SD	Tripp	552.442	552.573	0.131	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.131
Steele City	SD	Tripp	552.573	552.629	0.056	SD123	Millboro silty clay, 3 to 6 percent slopes	0.056
Steele City	SD	Tripp	552.629	553.029	0.399	SD123	Boro-Millboro silty clays, 5 to 9 percent slopes	0.399
Steele City	SD	Tripp	553.029	553.107	0.078	SD123	Carter silty clay loam	0.078
Steele City	SD	Tripp	553.107	554.369	1.262	SD123	Millboro silty clay, 3 to 6 percent slopes	1.250
Steele City	SD	Tripp	554.369	554.588	0.219	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.219
Steele City	SD	Tripp	554.588	554.649	0.061	SD123	Millboro silty clay, 3 to 6 percent slopes	0.061
Steele City	SD	Tripp	554.649	554.800	0.151	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.151
Steele City	SD	Tripp	554.800	554.934	0.134	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.126
Steele City	SD	Tripp	554.934	555.024	0.090	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.090
Steele City	SD	Tripp	555.024	555.042	0.018	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.017
Steele City	SD	Tripp	555.042	555.191	0.149	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.149
Steele City	SD	Tripp	555.191	555.320	0.130	SD123	Millboro silty clay, 3 to 6 percent slopes	0.129
Steele City	SD	Tripp	555.320	555.487	0.166	SD123	Witten silty clay	0.166
Steele City	SD	Tripp	555.487	556.311	0.825	SD123	Millboro silty clay, 3 to 6 percent slopes	0.816
Steele City	SD	Tripp	556.311	556.659	0.348	SD123	Witten silty clay	0.348
Steele City	SD	Tripp	556.659	556.985	0.326	SD123	Millboro silty clay, 0 to 3 percent slopes	0.326
Steele City	SD	Tripp	556.985	557.033	0.048	SD123	Witten silty clay	0.048
Steele City	SD	Tripp	557.033	557.142	0.109	SD123	Erd clay	0.109
Steele City	SD	Tripp	557.142	557.348	0.206	SD123	Erd-Capa complex	0.204
Steele City	SD	Tripp	557.348	557.662	0.314	SD123	Millboro silty clay, 3 to 6 percent slopes	0.311
Steele City	SD	Tripp	557.662	557.721	0.058	SD123	Carter silty clay loam	0.058
Steele City	SD	Tripp	557.721	557.875	0.154	SD123	Millboro silty clay, 3 to 6 percent slopes	0.153
Steele City	SD	Tripp	557.875	558.003	0.128	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.128
Steele City	SD	Tripp	558.003	558.300	0.297	SD123	Millboro silty clay, 0 to 3 percent slopes	0.297
Steele City	SD	Tripp	558.300	558.367	0.066	SD123	Millboro silty clay, 3 to 6 percent slopes	0.066
Steele City	SD	Tripp	558.367	558.460	0.093	SD123	Witten silty clay	0.093
Steele City	SD	Tripp	558.460	558.649	0.189	SD123	Millboro silty clay, 0 to 3 percent slopes	0.189
Steele City	SD	Tripp	558.649	558.716	0.068	SD123	Witten silty clay	0.068
Steele City	SD	Tripp	558.716	559.080	0.364	SD123	Millboro silty clay, 0 to 3 percent slopes	0.364
Steele City	SD	Tripp	559.080	559.229	0.148	SD123	Witten silty clay	0.148
Steele City	SD	Tripp	559.229	560.120	0.891	SD123	Millboro silty clay, 0 to 3 percent slopes	0.891
Steele City	SD	Tripp	560.120	560.250	0.131	SD123	Erd-Capa complex	0.129
Steele City	SD	Tripp	560.250	560.341	0.091	SD123	Millboro silty clay, 0 to 3 percent slopes	0.091
Steele City	SD	Tripp	560.341	560.441	0.099	SD123	Erd-Capa complex	0.098
Steele City	SD	Tripp	560.441	560.938	0.497	SD123	Millboro silty clay, 0 to 3 percent slopes	0.497
Steele City	SD	Tripp	560.938	561.033	0.094	SD123	Millboro silty clay, 3 to 6 percent slopes	0.093
Steele City	SD	Tripp	561.033	561.213	0.180	SD123	Millboro silty clay, 6 to 9 percent slopes	0.176
Steele City	SD	Tripp	561.213	561.424	0.211	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.203
Steele City	SD	Tripp	561.424	561.628	0.205	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.205
Steele City	SD	Tripp	561.628	561.970	0.342	SD123	Millboro silty clay, 6 to 9 percent slopes	0.335
Steele City	SD	Tripp	561.970	562.041	0.071	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.071
Steele City	SD	Tripp	562.041	562.503	0.462	SD123	Millboro silty clay, 6 to 9 percent slopes	0.453
Steele City	SD	Tripp	562.503	562.624	0.121	SD123	Witten silty clay	0.121
Steele City	SD	Tripp	562.624	562.833	0.209	SD123	Millboro silty clay, 3 to 6 percent slopes	0.207
Steele City	SD	Tripp	562.833	563.021	0.188	SD123	Millboro silty clay, 0 to 3 percent slopes	0.188
Steele City	SD	Tripp	563.021	563.105	0.084	SD123	Witten silty clay	0.084
Steele City	SD	Tripp	563.105	563.260	0.155	SD123	Millboro silty clay, 0 to 3 percent slopes	0.155
Steele City	SD	Tripp	563.260	563.483	0.223	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.223
Steele City	SD	Tripp	563.537	563.649	0.112	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.112
Steele City	SD	Tripp	563.649	563.778	0.129	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.124
Steele City	SD	Tripp	563.778	563.879	0.101	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.095
Steele City	SD	Tripp	563.879	563.954	0.075	SD123	Canning loam, 2 to 5 percent slopes	0.074
Steele City	SD	Tripp	563.954	563.962	0.008	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.008
Steele City	SD	Tripp	563.962	563.983	0.021	SD123	Canning loam, 2 to 5 percent slopes	0.021
Steele City	SD	Tripp	563.983	564.051	0.068	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.064
Steele City	SD	Tripp	564.051	564.303	0.252	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.242
Steele City	SD	Tripp	564.303	564.535	0.232	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.232
Steele City	SD	Tripp	564.535	564.567	0.033	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.031
Steele City	SD	Tripp	564.567	564.619	0.051	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.048
Steele City	SD	Tripp	564.619	564.759	0.140	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.135
Steele City	SD	Tripp	564.759	564.858	0.099	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.099
Steele City	SD	Tripp	564.858	565.049	0.191	SD123	Millboro silty clay, 3 to 6 percent slopes	0.189
Steele City	SD	Tripp	565.049	565.299	0.250	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.250
Steele City	SD	Tripp	565.299	565.395	0.096	SD123	Millboro silty clay, 3 to 6 percent slopes	0.095
Steele City	SD	Tripp	565.395	565.452	0.058	SD123	Millboro silty clay, 0 to 3 percent slopes	0.058
Steele City	SD	Tripp	565.452	565.554	0.101	SD123	Millboro silty clay, 3 to 6 percent slopes	0.100
Steele City	SD	Tripp	565.554	565.623	0.070	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.070

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Tripp	565.623	565.721	0.098	SD123	Inavale complex, channeled	0.008
Steele City	SD	Tripp	565.721	566.083	0.362	SD123	Bridgeport complex	0.355
Steele City	SD	Tripp	566.083	566.108	0.025	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.001
Steele City	SD	Tripp	566.108	566.245	0.136	SD123	Bridgeport complex	0.134
Steele City	SD	Tripp	566.245	566.534	0.289	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.006
Steele City	SD	Tripp	566.534	566.659	0.126	SD123	Bridgeport complex	0.123
Steele City	SD	Tripp	566.659	566.965	0.305	SD123	Witten silty clay	0.305
Steele City	SD	Tripp	566.965	567.171	0.206	SD123	Millboro silty clay, 0 to 3 percent slopes	0.206
Steele City	SD	Tripp	567.171	567.255	0.084	SD123	Witten silty clay	0.084
Steele City	SD	Tripp	567.255	567.418	0.163	SD123	Millboro silty clay, 0 to 3 percent slopes	0.163
Steele City	SD	Tripp	567.418	567.689	0.271	SD123	Millboro silty clay, 3 to 6 percent slopes	0.269
Steele City	SD	Tripp	567.689	567.847	0.157	SD123	Millboro silty clay, 0 to 3 percent slopes	0.157
Steele City	SD	Tripp	567.847	567.860	0.013	SD123	Millboro silty clay, 3 to 6 percent slopes	0.013
Steele City	SD	Tripp	567.860	567.930	0.071	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.071
Steele City	SD	Tripp	567.930	568.619	0.689	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.662
Steele City	SD	Tripp	568.619	568.894	0.274	SD123	Ree loam, 6 to 9 percent slopes	0.274
Steele City	SD	Tripp	568.894	568.913	0.020	SD123	Millboro silty clay, 6 to 9 percent slopes	0.019
Steele City	SD	Tripp	568.913	569.279	0.365	SD123	Ree loam, 6 to 9 percent slopes	0.365
Steele City	SD	Tripp	569.279	569.361	0.082	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.082
Steele City	SD	Tripp	569.361	569.546	0.185	SD123	Ree loam, 6 to 9 percent slopes	0.185
Steele City	SD	Tripp	569.546	569.647	0.101	SD123	Ree loam, 9 to 15 percent slopes	0.092
Steele City	SD	Tripp	569.647	569.801	0.154	SD123	Ree loam, 6 to 9 percent slopes	0.154
Steele City	SD	Tripp	569.801	569.944	0.143	SD123	Promise clay, 6 to 9 percent slopes	0.143
Steele City	SD	Tripp	569.944	570.016	0.073	SD123	Millboro silty clay, 6 to 9 percent slopes	0.071
Steele City	SD	Tripp	570.101	570.518	0.418	SD123	Ree loam, 6 to 9 percent slopes	0.418
Steele City	SD	Tripp	570.518	570.641	0.123	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.001
Steele City	SD	Tripp	570.641	570.732	0.092	SD123	Manter fine sandy loam, 0 to 3 percent slopes	0.001
Steele City	SD	Tripp	570.732	570.882	0.150	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.002
Steele City	SD	Tripp	571.093	571.197	0.104	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	571.197	571.326	0.129	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	571.329	571.390	0.062	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	572.182	572.241	0.060	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	572.354	572.542	0.187	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.006
Steele City	SD	Tripp	572.542	572.657	0.116	SD123	Lakoma-Millboro silty clays, 5 to 9 percent slopes	0.116
Steele City	SD	Tripp	572.657	573.083	0.426	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.387
Steele City	SD	Tripp	573.238	573.837	0.599	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.018
Steele City	SD	Tripp	573.935	574.070	0.135	SD123	Elsmere fine sandy loam	0.007
Steele City	SD	Tripp	574.244	574.315	0.071	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	574.387	574.547	0.160	SD123	Elsmere fine sandy loam	0.008
Steele City	SD	Tripp	574.613	574.686	0.073	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	575.748	575.953	0.205	SD123	Ronson-Longpine fine sandy loams, 0 to 6 percent slopes	0.002
Steele City	SD	Tripp	576.224	576.406	0.182	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.005
Steele City	SD	Tripp	576.406	576.444	0.038	SD123	Elsmere fine sandy loam	0.002
Steele City	SD	Tripp	576.444	576.542	0.098	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.003
Steele City	SD	Tripp	576.542	576.619	0.077	SD123	Elsmere fine sandy loam	0.004
Steele City	SD	Tripp	576.619	576.778	0.159	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.005
Steele City	SD	Tripp	576.882	577.017	0.135	SD123	Ronson fine sandy loam, 0 to 4 percent slopes	0.004
Steele City	SD	Tripp	577.194	577.287	0.092	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	577.375	577.592	0.217	SD123	Elsmere fine sandy loam	0.011
Steele City	SD	Tripp	577.592	577.634	0.041	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.000
Steele City	SD	Tripp	577.874	577.917	0.043	SD123	Vetal fine sandy loam	0.002
Steele City	SD	Tripp	577.917	578.044	0.127	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	578.791	578.884	0.093	SD123	Whitelake fine sandy loam	0.084
Steele City	SD	Tripp	578.884	579.007	0.122	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	579.007	579.189	0.182	SD123	Whitelake fine sandy loam	0.166
Steele City	SD	Tripp	579.189	579.335	0.146	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	579.335	579.403	0.069	SD123	Whitelake-Lute fine sandy loams	0.055
Steele City	SD	Tripp	579.776	579.993	0.217	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.198
Steele City	SD	Tripp	579.993	580.051	0.058	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.001
Steele City	SD	Tripp	580.051	580.294	0.243	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.221
Steele City	SD	Tripp	580.294	580.447	0.153	SD123	Wewela fine sandy loam, 0 to 3 percent slopes	0.136
Steele City	SD	Tripp	580.447	580.479	0.032	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.029
Steele City	SD	Tripp	580.531	580.642	0.111	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	580.642	580.828	0.186	SD123	Whitelake fine sandy loam	0.169
Steele City	SD	Tripp	580.828	580.972	0.144	SD123	Whitelake-Lute fine sandy loams	0.115
Steele City	SD	Tripp	580.972	581.009	0.037	SD123	Whitelake fine sandy loam	0.033
Steele City	SD	Tripp	581.009	581.035	0.026	SD123	Whitelake-Lute fine sandy loams	0.021
Steele City	SD	Tripp	581.035	581.237	0.202	SD123	Whitelake fine sandy loam	0.184
Steele City	SD	Tripp	581.237	581.330	0.093	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	581.853	581.938	0.084	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	581.982	582.097	0.114	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	582.215	582.267	0.052	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	582.644	582.681	0.037	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.001

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	SD	Tripp	582.764	582.852	0.088	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.003
Steele City	SD	Tripp	583.013	583.032	0.019	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.000
Steele City	SD	Tripp	583.108	583.281	0.173	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.002
Steele City	SD	Tripp	583.564	583.646	0.082	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	583.850	583.894	0.044	SD123	Ronson fine sandy loam, 0 to 4 percent slopes	0.001
Steele City	SD	Tripp	583.898	584.292	0.394	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.004
Steele City	SD	Tripp	584.292	584.411	0.119	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.004
Steele City	SD	Tripp	584.675	584.854	0.178	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.002
Steele City	SD	Tripp	585.017	585.305	0.289	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.263
Steele City	SD	Tripp	585.305	585.308	0.002	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.000
Steele City	SD	Tripp	585.409	585.410	0.002	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.000
Steele City	SD	Tripp	585.543	585.646	0.103	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	585.646	585.715	0.069	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	586.175	586.380	0.205	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.002
Steele City	SD	Tripp	586.633	587.126	0.492	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.005
Steele City	SD	Tripp	588.197	588.215	0.018	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.000
Steele City	SD	Tripp	588.215	588.331	0.115	SD123	Doger-Elsmere complex, 0 to 3 percent slopes	0.003
Steele City	SD	Tripp	588.418	588.626	0.208	SD123	Ronson-Longpine fine sandy loams, 0 to 6 percent slopes	0.002
Steele City	SD	Tripp	588.626	588.750	0.124	SD123	Ronson fine sandy loam, 0 to 4 percent slopes	0.004
Steele City	SD	Tripp	588.789	589.051	0.262	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.029
Steele City	SD	Tripp	589.554	590.019	0.464	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.005
Steele City	SD	Tripp	590.189	590.334	0.144	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.001
Steele City	SD	Tripp	590.334	590.495	0.161	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.147
Steele City	SD	Tripp	590.495	590.561	0.066	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.007
Steele City	SD	Tripp	590.561	590.756	0.195	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.002
Steele City	SD	Tripp	590.756	590.867	0.110	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.012
Steele City	SD	Tripp	590.867	590.922	0.055	SD123	Wann fine sandy loam	0.047
Steele City	SD	Tripp	590.922	591.106	0.185	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.168
Steele City	SD	Tripp	591.106	591.180	0.074	SD123	Boyd clay, 5 to 9 percent slopes	0.072
Steele City	SD	Tripp	591.180	591.222	0.042	SD123	Wann fine sandy loam	0.036
Steele City	SD	Tripp	591.222	591.487	0.264	SD123	Boyd clay, 5 to 9 percent slopes	0.257
Steele City	SD	Tripp	591.487	591.541	0.054	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.006
Steele City	SD	Tripp	591.541	591.728	0.188	SD123	Manter fine sandy loam, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	591.728	591.847	0.119	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.013
Steele City	SD	Tripp	591.847	592.307	0.459	SD123	Boyd-Okaton association, 9 to 25 percent slopes	0.427
Steele City	SD	Tripp	592.712	592.731	0.019	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.002
Steele City	SD	Tripp	592.839	592.921	0.081	SD123	Boyd-Okaton association, 9 to 25 percent slopes	0.076
Steele City	SD	Tripp	593.113	593.227	0.114	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.013
Steele City	SD	Tripp	593.329	593.451	0.123	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.013
Steele City	SD	Tripp	593.490	593.646	0.156	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.017
Steele City	SD	Tripp	594.197	594.433	0.236	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.026
Steele City	SD	Tripp	594.433	594.533	0.101	SD123	Ree loam, 3 to 6 percent slopes	0.101
Steele City	SD	Tripp	594.533	594.649	0.116	SD123	Manter fine sandy loam, 0 to 3 percent slopes	0.001
Steele City	SD	Tripp	594.649	594.655	0.005	SD123	Ree loam, 3 to 6 percent slopes	0.005
Steele City	SD	Tripp	594.655	594.679	0.024	SD123	Manter fine sandy loam, 0 to 3 percent slopes	0.000
Steele City	SD	Tripp	594.679	594.715	0.037	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.004
Steele City	SD	Tripp	594.715	595.143	0.428	SD123	Boyd-Okaton association, 9 to 25 percent slopes	0.398
Steele City	SD	Tripp	595.143	595.286	0.143	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.016
Steele City	SD	Tripp	595.286	595.511	0.225	SD123	Boyd-Okaton association, 9 to 25 percent slopes	0.209
Steele City	SD	Tripp	595.511	595.588	0.078	SD123	Promise clay, 3 to 6 percent slopes	0.078
Steele City	SD	Tripp	595.588	595.722	0.133	SD123	Bridgeport complex, channeled	0.108
Steele City	SD	Tripp	595.722	595.860	0.138	SD123	Bridgeport complex	0.135
Steele City	SD	Tripp	595.860	595.923	0.063	SD123	Promise clay, 3 to 6 percent slopes	0.063
Steele City	SD	Tripp	596.079	596.202	0.124	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	596.232	596.490	0.258	SD123	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	0.005
Steele City	SD	Tripp	596.490	596.610	0.120	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.013
Steele City	SD	Tripp	596.610	596.645	0.035	SD123	Boyd-Okaton association, 9 to 25 percent slopes	0.033
Steele City	NE	Keyapaha	596.645	596.745	0.100	NE103	Labu silty clay, 6 to 11 percent slopes	0.099
Steele City	NE	Keyapaha	596.745	596.780	0.035	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.035
Steele City	NE	Keyapaha	596.780	596.851	0.071	NE103	Labu silty clay, 6 to 11 percent slopes	0.070
Steele City	NE	Keyapaha	596.851	596.892	0.040	NE103	Verdel silty clay loam, 1 to 3 percent slopes	0.040
Steele City	NE	Keyapaha	596.892	596.918	0.027	NE103	Labu silty clay, 6 to 11 percent slopes	0.026
Steele City	NE	Keyapaha	596.918	596.959	0.041	NE103	Verdel silty clay loam, 1 to 3 percent slopes	0.041
Steele City	NE	Keyapaha	596.959	596.961	0.002	NE103	Labu silty clay, 6 to 11 percent slopes	0.002
Steele City	NE	Keyapaha	596.961	597.032	0.071	NE103	Verdel silty clay loam, 1 to 3 percent slopes	0.071
Steele City	NE	Keyapaha	597.032	597.039	0.006	NE103	Labu silty clay, 6 to 11 percent slopes	0.006
Steele City	NE	Keyapaha	597.039	597.373	0.335	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.335
Steele City	NE	Keyapaha	597.373	597.414	0.041	NE103	Labu silty clay, 6 to 11 percent slopes	0.040
Steele City	NE	Keyapaha	597.469	597.525	0.056	NE103	Labu silty clay, 6 to 11 percent slopes	0.055
Steele City	NE	Keyapaha	597.525	597.750	0.225	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.225
Steele City	NE	Keyapaha	597.790	597.834	0.043	NE103	Verdel silty clay loam, 0 to 1 percent slopes	0.043
Steele City	NE	Keyapaha	597.834	597.982	0.149	NE103	Labu silty clay, 6 to 11 percent slopes	0.147
Steele City	NE	Keyapaha	597.982	598.025	0.043	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.043

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	NE	Keyapaha	598.025	598.111	0.085	NE103	Labu silty clay, 6 to 11 percent slopes	0.084
Steele City	NE	Keyapaha	598.111	598.145	0.035	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.035
Steele City	NE	Keyapaha	598.145	598.192	0.046	NE103	Labu silty clay, 6 to 11 percent slopes	0.046
Steele City	NE	Keyapaha	598.192	598.830	0.638	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.638
Steele City	NE	Keyapaha	598.830	598.993	0.162	NE103	Labu silty clay, 6 to 11 percent slopes	0.161
Steele City	NE	Keyapaha	598.993	599.072	0.079	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.079
Steele City	NE	Keyapaha	599.072	599.120	0.048	NE103	Labu silty clay, 6 to 11 percent slopes	0.048
Steele City	NE	Keyapaha	599.120	599.197	0.077	NE103	Verdel silty clay loam, 1 to 3 percent slopes	0.077
Steele City	NE	Keyapaha	599.939	600.023	0.084	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.050
Steele City	NE	Keyapaha	600.925	601.008	0.083	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.049
Steele City	NE	Keyapaha	601.226	601.294	0.067	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.040
Steele City	NE	Keyapaha	601.616	601.678	0.063	NE103	Wewela fine sandy loam, 3 to 6 percent slopes	0.063
Steele City	NE	Keyapaha	601.678	601.802	0.124	NE103	Wewela fine sandy loam, 0 to 3 percent slopes	0.123
Steele City	NE	Keyapaha	601.802	601.873	0.070	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.042
Steele City	NE	Keyapaha	602.326	602.459	0.134	NE103	Wewela fine sandy loam, 0 to 3 percent slopes	0.132
Steele City	NE	Keyapaha	602.459	602.496	0.037	NE103	Wewela fine sandy loam, 3 to 6 percent slopes	0.037
Steele City	NE	Keyapaha	602.496	602.541	0.045	NE103	Wewela fine sandy loam, 0 to 3 percent slopes	0.044
Steele City	NE	Keyapaha	603.938	603.985	0.047	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.028
Steele City	NE	Keyapaha	604.035	604.067	0.032	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.019
Steele City	NE	Keyapaha	604.316	604.360	0.044	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.026
Steele City	NE	Keyapaha	614.239	614.371	0.132	NE103	Valentine-Wewela loamy fine sands, 3 to 6 percent slopes	0.078
Steele City	NE	Keyapaha	614.371	614.493	0.123	NE103	Labu-Sansarc silty clays, 11 to 30 percent slopes	0.123
Steele City	NE	Keyapaha	614.588	614.645	0.057	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.034
Steele City	NE	Rock	615.388	615.492	0.104	NE149	Labu-Sansarc silty clays, 11 to 40 percent slopes	0.103
Steele City	NE	Rock	617.686	617.839	0.153	NE149	Wewela fine sandy loam, 2 to 6 percent slopes	0.153
Steele City	NE	Holt	626.478	626.594	0.115	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.114
Steele City	NE	Holt	626.639	626.691	0.052	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.052
Steele City	NE	Holt	626.758	626.789	0.031	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.031
Steele City	NE	Holt	626.948	627.046	0.098	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.097
Steele City	NE	Holt	627.126	627.567	0.441	NE089	Boelus loamy sand, 0 to 3 percent slopes	0.437
Steele City	NE	Holt	628.515	628.538	0.023	NE089	Barney-Boel-Calamus complex, channeled	0.001
Steele City	NE	Holt	628.631	628.667	0.036	NE089	Barney-Boel-Calamus complex, channeled	0.001
Steele City	NE	Holt	629.294	629.376	0.082	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.033
Steele City	NE	Holt	629.595	629.652	0.057	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.023
Steele City	NE	Holt	629.853	629.944	0.090	NE089	Barney-Boel-Calamus complex, channeled	0.003
Steele City	NE	Holt	630.171	630.207	0.037	NE089	Barney-Boel-Calamus complex, channeled	0.001
Steele City	NE	Holt	630.265	630.344	0.079	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.031
Steele City	NE	Holt	630.381	630.430	0.049	NE089	Barney-Boel-Calamus complex, channeled	0.001
Steele City	NE	Holt	630.454	630.531	0.077	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.031
Steele City	NE	Holt	630.557	630.662	0.104	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.042
Steele City	NE	Holt	630.739	630.776	0.037	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.015
Steele City	NE	Holt	630.986	631.309	0.323	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.129
Steele City	NE	Holt	631.330	631.387	0.057	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.023
Steele City	NE	Holt	631.449	631.555	0.106	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.042
Steele City	NE	Holt	631.656	631.690	0.034	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.014
Steele City	NE	Holt	631.722	631.824	0.102	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.041
Steele City	NE	Holt	631.929	632.042	0.113	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.045
Steele City	NE	Holt	632.137	632.162	0.025	NE089	Libory loamy fine sand, 0 to 3 percent slopes	0.025
Steele City	NE	Holt	632.207	632.218	0.010	NE089	Libory loamy fine sand, 0 to 3 percent slopes	0.010
Steele City	NE	Holt	633.270	633.545	0.276	NE089	Ord-Lute fine sandy loams, 0 to 2 percent slopes	0.110
Steele City	NE	Holt	636.029	636.077	0.048	NE089	Barney-Boel-Calamus complex, channeled	0.001
Steele City	NE	Holt	636.833	636.887	0.054	NE089	Libory loamy fine sand, 0 to 3 percent slopes	0.054
Steele City	NE	Holt	646.986	647.274	0.288	NE089	Barney-Boel-Calamus complex, channeled	0.009
Steele City	NE	Wheeler	679.791	679.851	0.060	NE183	Loretto loam, 0 to 2 percent slopes	0.060
Steele City	NE	Wheeler	679.991	680.097	0.106	NE183	Boelus loamy sand, 0 to 3 percent slopes	0.106
Steele City	NE	Wheeler	692.216	692.336	0.119	NE183	Boelus loamy sand, 0 to 3 percent slopes	0.119
Steele City	NE	Wheeler	693.098	693.198	0.101	NE183	Boelus loamy sand, 0 to 3 percent slopes	0.101
Steele City	NE	Wheeler	696.615	696.870	0.255	NE183	Libory loamy fine sand, 0 to 3 percent slopes	0.255
Steele City	NE	Greeley	708.938	708.972	0.034	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.014
Steele City	NE	Greeley	709.007	709.242	0.235	NE077	Hord silt loam, terrace, 1 to 3 percent slopes	0.232
Steele City	NE	Greeley	709.242	709.383	0.141	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.056
Steele City	NE	Greeley	709.383	709.472	0.089	NE077	Hord silt loam, terrace, 1 to 3 percent slopes	0.088
Steele City	NE	Greeley	709.472	709.521	0.049	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.029
Steele City	NE	Greeley	709.521	709.644	0.124	NE077	Hord silt loam, terrace, 1 to 3 percent slopes	0.122
Steele City	NE	Greeley	709.694	709.723	0.029	NE077	Hord silt loam, terrace, 1 to 3 percent slopes	0.029
Steele City	NE	Greeley	709.723	709.994	0.270	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.108
Steele City	NE	Greeley	709.994	710.165	0.171	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.103
Steele City	NE	Greeley	710.165	710.225	0.060	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.024
Steele City	NE	Greeley	710.225	710.273	0.048	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.026
Steele City	NE	Greeley	710.273	710.293	0.020	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.008
Steele City	NE	Greeley	710.293	710.323	0.030	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.018
Steele City	NE	Greeley	710.323	710.334	0.011	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.004
Steele City	NE	Greeley	710.334	710.393	0.059	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.033

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	NE	Greeley	710.393	710.584	0.191	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.115
Steele City	NE	Greeley	710.584	710.618	0.033	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.018
Steele City	NE	Greeley	710.618	710.627	0.009	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.006
Steele City	NE	Greeley	710.627	710.818	0.191	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.105
Steele City	NE	Greeley	710.818	711.218	0.400	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.240
Steele City	NE	Greeley	711.218	711.316	0.098	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.039
Steele City	NE	Greeley	711.316	711.418	0.102	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.056
Steele City	NE	Greeley	711.418	711.488	0.070	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.042
Steele City	NE	Greeley	711.488	711.546	0.058	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.032
Steele City	NE	Greeley	711.546	711.560	0.014	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.009
Steele City	NE	Greeley	711.560	711.590	0.030	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.016
Steele City	NE	Greeley	711.590	711.646	0.056	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.034
Steele City	NE	Greeley	711.646	711.723	0.077	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.042
Steele City	NE	Greeley	711.723	711.759	0.035	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.021
Steele City	NE	Greeley	711.759	712.115	0.356	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.196
Steele City	NE	Greeley	712.115	712.195	0.081	NE077	Holdrege silty clay loam, 3 to 6 percent slopes, eroded	0.081
Steele City	NE	Greeley	712.195	712.227	0.032	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.018
Steele City	NE	Greeley	712.227	712.298	0.071	NE077	Holdrege silty clay loam, 3 to 6 percent slopes, eroded	0.071
Steele City	NE	Greeley	712.298	712.361	0.063	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.035
Steele City	NE	Greeley	712.361	712.461	0.099	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.040
Steele City	NE	Greeley	712.461	712.477	0.016	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.009
Steele City	NE	Greeley	712.477	712.531	0.054	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.022
Steele City	NE	Greeley	712.531	712.872	0.341	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.188
Steele City	NE	Greeley	712.872	712.945	0.073	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.029
Steele City	NE	Greeley	712.945	713.183	0.238	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.131
Steele City	NE	Greeley	713.183	713.263	0.080	NE077	Uly silt loam, 6 to 11 percent slopes	0.080
Steele City	NE	Greeley	713.263	713.265	0.003	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.001
Steele City	NE	Greeley	713.265	713.326	0.060	NE077	Uly silt loam, 6 to 11 percent slopes	0.060
Steele City	NE	Greeley	713.326	713.524	0.199	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.109
Steele City	NE	Greeley	713.524	713.648	0.124	NE077	Uly silt loam, 6 to 11 percent slopes	0.124
Steele City	NE	Greeley	713.648	713.781	0.132	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.073
Steele City	NE	Greeley	713.781	713.854	0.073	NE077	Uly silt loam, 6 to 11 percent slopes	0.073
Steele City	NE	Greeley	713.854	714.084	0.230	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.127
Steele City	NE	Greeley	714.084	714.144	0.059	NE077	Uly silt loam, 6 to 11 percent slopes	0.059
Steele City	NE	Greeley	714.144	714.204	0.060	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.033
Steele City	NE	Greeley	714.204	714.382	0.178	NE077	Hall silt loam, 1 to 3 percent slopes	0.178
Steele City	NE	Greeley	714.382	714.435	0.053	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.029
Steele City	NE	Greeley	714.435	714.484	0.049	NE077	Uly silt loam, 6 to 11 percent slopes	0.049
Steele City	NE	Greeley	714.484	714.648	0.163	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.090
Steele City	NE	Greeley	714.648	714.683	0.035	NE077	Uly silt loam, 6 to 11 percent slopes	0.035
Steele City	NE	Greeley	714.683	714.719	0.036	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.020
Steele City	NE	Greeley	714.719	714.764	0.044	NE077	Uly silt loam, 6 to 11 percent slopes	0.044
Steele City	NE	Greeley	714.764	714.883	0.120	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.066
Steele City	NE	Greeley	714.883	715.058	0.174	NE077	Uly silt loam, 6 to 11 percent slopes	0.174
Steele City	NE	Greeley	715.058	715.107	0.049	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.027
Steele City	NE	Greeley	715.107	715.177	0.070	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.042
Steele City	NE	Greeley	715.177	715.290	0.113	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.045
Steele City	NE	Greeley	715.290	715.333	0.042	NE077	Uly silt loam, 6 to 11 percent slopes	0.042
Steele City	NE	Greeley	715.333	715.413	0.080	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.044
Steele City	NE	Greeley	715.413	715.458	0.045	NE077	Uly silt loam, 6 to 11 percent slopes	0.045
Steele City	NE	Greeley	715.458	715.554	0.095	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.053
Steele City	NE	Greeley	715.554	715.628	0.074	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.044
Steele City	NE	Greeley	715.628	715.658	0.030	NE077	Hall silt loam, 1 to 3 percent slopes	0.030
Steele City	NE	Greeley	715.658	715.687	0.029	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.017
Steele City	NE	Greeley	715.687	715.739	0.052	NE077	Uly silt loam, 11 to 17 percent slopes	0.052
Steele City	NE	Greeley	715.739	715.817	0.078	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.043
Steele City	NE	Greeley	715.817	715.830	0.013	NE077	Holdrege silt loam, 3 to 6 percent slopes	0.013
Steele City	NE	Greeley	715.830	715.851	0.021	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.012
Steele City	NE	Greeley	715.851	715.927	0.076	NE077	Holdrege silt loam, 3 to 6 percent slopes	0.076
Steele City	NE	Greeley	715.927	715.994	0.067	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.037
Steele City	NE	Greeley	715.994	715.997	0.003	NE077	Holdrege silty clay loam, 3 to 6 percent slopes, eroded	0.003
Steele City	NE	Greeley	715.997	716.059	0.062	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.034
Steele City	NE	Greeley	716.059	716.081	0.021	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.009
Steele City	NE	Greeley	716.081	716.155	0.074	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.041
Steele City	NE	Greeley	716.155	716.247	0.092	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.037
Steele City	NE	Greeley	716.247	716.346	0.099	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.054
Steele City	NE	Greeley	716.346	716.399	0.054	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.022
Steele City	NE	Greeley	716.399	716.451	0.052	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.029
Steele City	NE	Greeley	716.451	716.491	0.040	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.024
Steele City	NE	Greeley	716.491	716.526	0.035	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.019
Steele City	NE	Greeley	716.526	716.555	0.029	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.018
Steele City	NE	Greeley	716.555	716.610	0.055	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.030
Steele City	NE	Greeley	716.610	716.657	0.047	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.028

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	NE	Greeley	716.657	716.726	0.069	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.038
Steele City	NE	Greeley	716.726	716.810	0.084	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.034
Steele City	NE	Greeley	716.810	716.881	0.071	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.039
Steele City	NE	Greeley	716.881	716.911	0.031	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.012
Steele City	NE	Greeley	716.911	716.959	0.048	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.026
Steele City	NE	Greeley	716.959	717.010	0.050	NE077	Uly silt loam, 11 to 17 percent slopes	0.050
Steele City	NE	Greeley	717.010	717.046	0.036	NE077	Uly silt loam, 6 to 11 percent slopes	0.036
Steele City	NE	Greeley	717.046	717.127	0.081	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.044
Steele City	NE	Greeley	717.127	717.220	0.093	NE077	Uly silt loam, 6 to 11 percent slopes	0.093
Steele City	NE	Greeley	717.220	717.365	0.145	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.080
Steele City	NE	Greeley	717.365	717.457	0.092	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.037
Steele City	NE	Greeley	717.457	717.512	0.055	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.033
Steele City	NE	Greeley	717.512	717.700	0.189	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.075
Steele City	NE	Greeley	717.700	717.800	0.100	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.060
Steele City	NE	Greeley	717.887	718.010	0.124	NE077	Uly silt loam, 6 to 11 percent slopes	0.124
Steele City	NE	Greeley	718.010	718.043	0.032	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.013
Steele City	NE	Greeley	718.043	718.140	0.097	NE077	Uly silt loam, 6 to 11 percent slopes	0.097
Steele City	NE	Greeley	718.140	718.234	0.094	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.038
Steele City	NE	Greeley	718.234	718.271	0.037	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.022
Steele City	NE	Greeley	718.271	718.346	0.076	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.030
Steele City	NE	Greeley	718.346	718.398	0.052	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.031
Steele City	NE	Greeley	718.398	718.460	0.062	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.025
Steele City	NE	Greeley	718.460	718.508	0.048	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.029
Steele City	NE	Greeley	718.508	718.560	0.052	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.021
Steele City	NE	Greeley	718.560	718.611	0.051	NE077	Uly silt loam, 6 to 11 percent slopes	0.051
Steele City	NE	Greeley	718.611	718.717	0.106	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.042
Steele City	NE	Greeley	718.717	718.765	0.048	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.029
Steele City	NE	Greeley	718.765	718.825	0.060	NE077	Holdrege silty clay loam, 3 to 6 percent slopes, eroded	0.060
Steele City	NE	Greeley	718.825	718.900	0.074	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.045
Steele City	NE	Greeley	718.900	718.935	0.036	NE077	Holdrege silty clay loam, 3 to 6 percent slopes, eroded	0.036
Steele City	NE	Greeley	718.935	719.107	0.171	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.103
Steele City	NE	Greeley	719.107	719.411	0.304	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.122
Steele City	NE	Greeley	719.411	719.575	0.164	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.099
Steele City	NE	Greeley	719.575	719.670	0.094	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.052
Steele City	NE	Greeley	719.670	719.871	0.201	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.121
Steele City	NE	Greeley	719.871	719.896	0.025	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.010
Steele City	NE	Greeley	719.896	720.382	0.485	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.291
Steele City	NE	Greeley	720.382	720.544	0.163	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.065
Steele City	NE	Greeley	720.544	720.626	0.081	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.045
Steele City	NE	Greeley	720.643	720.662	0.020	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.011
Steele City	NE	Greeley	720.662	720.770	0.108	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.043
Steele City	NE	Greeley	720.770	720.919	0.149	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.082
Steele City	NE	Greeley	720.919	721.021	0.103	NE077	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	0.041
Steele City	NE	Greeley	721.021	721.060	0.039	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.024
Steele City	NE	Greeley	721.060	721.084	0.024	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.013
Steele City	NE	Greeley	721.084	721.128	0.044	NE077	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	0.026
Steele City	NE	Greeley	721.128	721.359	0.231	NE077	Uly-Coly silt loams, 15 to 30 percent slopes	0.127
Steele City	NE	Boone	721.374	721.438	0.064	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.064
Steele City	NE	Boone	721.438	721.491	0.053	NE011	Crofton-Nora silt loams, 17 to 30 percent slopes	0.021
Steele City	NE	Boone	721.491	721.562	0.072	NE011	Nora silt loam, 7 to 12 percent slopes	0.072
Steele City	NE	Boone	721.562	721.641	0.079	NE011	Crofton-Nora silt loams, 17 to 30 percent slopes	0.031
Steele City	NE	Boone	721.641	721.806	0.165	NE011	Nora silt loam, 7 to 12 percent slopes	0.165
Steele City	NE	Boone	721.806	721.806	0.000	NE011	Crofton-Nora silt loams, 17 to 30 percent slopes	0.000
Steele City	NE	Boone	721.806	721.860	0.054	NE011	Nora silt loam, 7 to 12 percent slopes	0.054
Steele City	NE	Boone	721.860	721.958	0.098	NE011	Crofton-Nora silt loams, 17 to 30 percent slopes	0.039
Steele City	NE	Boone	721.958	722.082	0.124	NE011	Nora silt loam, 7 to 12 percent slopes	0.124
Steele City	NE	Boone	722.082	722.350	0.268	NE011	Moody silty clay loam, 3 to 7 percent slopes, eroded	0.268
Steele City	NE	Boone	722.350	722.421	0.071	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.071
Steele City	NE	Boone	722.421	722.458	0.037	NE011	Crofton-Nora silt loams, 12 to 17 percent slopes, eroded	0.015
Steele City	NE	Boone	722.458	722.509	0.051	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.051
Steele City	NE	Boone	722.509	722.528	0.019	NE011	Crofton-Nora silt loams, 12 to 17 percent slopes, eroded	0.008
Steele City	NE	Boone	722.528	722.554	0.026	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.026
Steele City	NE	Boone	722.554	722.579	0.025	NE011	Crofton-Nora silt loams, 12 to 17 percent slopes, eroded	0.010
Steele City	NE	Boone	722.579	722.596	0.017	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.017
Steele City	NE	Boone	722.596	722.616	0.020	NE011	Crofton-Nora silt loams, 12 to 17 percent slopes, eroded	0.008
Steele City	NE	Boone	722.663	722.688	0.025	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.025
Steele City	NE	Boone	722.773	722.827	0.055	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.055
Steele City	NE	Boone	722.876	722.922	0.046	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.046
Steele City	NE	Boone	722.922	722.944	0.022	NE011	Moody silty clay loam, 3 to 7 percent slopes, eroded	0.022
Steele City	NE	Boone	722.944	722.977	0.033	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.033
Steele City	NE	Boone	722.977	723.163	0.186	NE011	Crofton-Nora silt loams, 17 to 30 percent slopes	0.074
Steele City	NE	Boone	723.231	723.312	0.081	NE011	Crofton-Nora silt loams, 7 to 12 percent slopes, eroded	0.032
Steele City	NE	Boone	723.312	723.511	0.199	NE011	Hord silt loam, 1 to 3 percent slopes	0.197

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	NE	Boone	723.511	723.564	0.053	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.053
Steele City	NE	Boone	723.564	723.632	0.068	NE011	Hord silt loam, 1 to 3 percent slopes	0.067
Steele City	NE	Boone	723.632	723.953	0.321	NE011	Hord silt loam, 0 to 1 percent slopes	0.318
Steele City	NE	Boone	723.953	723.978	0.024	NE011	Nora silt loam, 7 to 12 percent slopes	0.024
Steele City	NE	Boone	723.978	724.032	0.054	NE011	Crofton-Nora silt loams, 17 to 30 percent slopes	0.022
Steele City	NE	Boone	724.032	724.053	0.022	NE011	Nora silt loam, 7 to 12 percent slopes	0.022
Steele City	NE	Boone	724.053	724.168	0.115	NE011	Hord silt loam, 0 to 1 percent slopes	0.114
Steele City	NE	Boone	724.168	724.201	0.032	NE011	Nora silt loam, 7 to 12 percent slopes, eroded	0.032
Steele City	NE	Boone	724.201	724.482	0.281	NE011	Crofton-Nora silt loams, 17 to 30 percent slopes	0.112
Steele City	NE	Boone	724.482	724.503	0.021	NE011	Crofton-Nora silt loams, 7 to 12 percent slopes, eroded	0.008
Steele City	NE	Boone	724.503	724.566	0.064	NE011	Hord silt loam, 0 to 1 percent slopes	0.063
Steele City	NE	Boone	724.566	724.610	0.044	NE011	Crofton-Nora silt loams, 7 to 12 percent slopes, eroded	0.018
Steele City	NE	Boone	724.610	724.616	0.006	NE011	Hord silt loam, 0 to 1 percent slopes	0.006
Steele City	NE	Boone	724.616	724.651	0.035	NE011	Crofton-Nora silt loams, 7 to 12 percent slopes, eroded	0.014
Steele City	NE	Boone	724.697	724.702	0.005	NE011	Crofton-Nora silt loams, 7 to 12 percent slopes, eroded	0.002
Steele City	NE	Nance	724.768	724.771	0.002	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.002
Steele City	NE	Nance	724.948	724.972	0.024	NE125	Belfore silt loam, 0 to 1 percent slopes	0.024
Steele City	NE	Nance	724.979	724.991	0.012	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.012
Steele City	NE	Nance	724.991	725.085	0.094	NE125	Belfore silt loam, 0 to 1 percent slopes	0.094
Steele City	NE	Nance	725.115	725.301	0.186	NE125	Belfore silt loam, 0 to 1 percent slopes	0.186
Steele City	NE	Nance	725.301	725.316	0.014	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.014
Steele City	NE	Nance	725.316	725.335	0.020	NE125	Belfore silt loam, 0 to 1 percent slopes	0.020
Steele City	NE	Nance	725.335	725.350	0.014	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.014
Steele City	NE	Nance	725.374	725.421	0.047	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.047
Steele City	NE	Nance	725.439	725.453	0.013	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.013
Steele City	NE	Nance	725.453	725.864	0.412	NE125	Belfore silt loam, 1 to 3 percent slopes	0.412
Steele City	NE	Nance	725.864	725.883	0.019	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.019
Steele City	NE	Nance	725.917	726.050	0.134	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.134
Steele City	NE	Nance	726.083	726.138	0.054	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.054
Steele City	NE	Nance	726.138	726.300	0.162	NE125	Moody-Nora silt loams, 3 to 7 percent slopes, eroded	0.162
Steele City	NE	Nance	726.300	726.452	0.152	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.152
Steele City	NE	Nance	726.507	726.639	0.132	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.132
Steele City	NE	Nance	726.748	726.918	0.170	NE125	Nora silt loam, 7 to 12 percent slopes	0.170
Steele City	NE	Nance	727.066	727.182	0.116	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.116
Steele City	NE	Nance	727.182	727.346	0.164	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.164
Steele City	NE	Nance	727.346	727.361	0.015	NE125	Moody-Nora silt loams, 3 to 7 percent slopes, eroded	0.015
Steele City	NE	Nance	727.361	727.421	0.061	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.061
Steele City	NE	Nance	727.421	727.475	0.054	NE125	Hall silt loam, 0 to 1 percent slopes	0.054
Steele City	NE	Nance	727.475	727.513	0.038	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.038
Steele City	NE	Nance	727.513	727.554	0.041	NE125	Hall silt loam, 0 to 1 percent slopes	0.041
Steele City	NE	Nance	727.554	727.674	0.120	NE125	Silty alluvial land	0.119
Steele City	NE	Nance	727.674	727.702	0.028	NE125	Hall silt loam, 1 to 3 percent slopes	0.028
Steele City	NE	Nance	727.702	727.740	0.038	NE125	Silty alluvial land	0.038
Steele City	NE	Nance	727.740	727.762	0.022	NE125	Hall silt loam, 1 to 3 percent slopes	0.022
Steele City	NE	Nance	727.762	727.837	0.074	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.074
Steele City	NE	Nance	727.837	727.881	0.044	NE125	Hall silt loam, 1 to 3 percent slopes	0.044
Steele City	NE	Nance	727.881	727.932	0.051	NE125	Silty alluvial land	0.051
Steele City	NE	Nance	727.932	728.077	0.145	NE125	Hall silt loam, 0 to 1 percent slopes	0.145
Steele City	NE	Nance	728.077	728.113	0.035	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.035
Steele City	NE	Nance	728.113	728.263	0.150	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.150
Steele City	NE	Nance	728.263	728.312	0.049	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.049
Steele City	NE	Nance	728.392	728.418	0.026	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.026
Steele City	NE	Nance	728.551	728.574	0.023	NE125	Nora silt loam, 7 to 12 percent slopes	0.023
Steele City	NE	Nance	728.574	728.584	0.011	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.011
Steele City	NE	Nance	728.584	728.609	0.025	NE125	Nora silt loam, 7 to 12 percent slopes	0.025
Steele City	NE	Nance	728.664	728.729	0.065	NE125	Nora silt loam, 7 to 12 percent slopes	0.065
Steele City	NE	Nance	728.871	729.001	0.130	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.130
Steele City	NE	Nance	729.067	729.228	0.161	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.161
Steele City	NE	Nance	729.228	729.268	0.040	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.040
Steele City	NE	Nance	729.322	729.397	0.075	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.075
Steele City	NE	Nance	729.405	729.463	0.058	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.058
Steele City	NE	Nance	729.828	729.858	0.031	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.031
Steele City	NE	Nance	729.875	730.069	0.194	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.194
Steele City	NE	Nance	730.331	730.379	0.048	NE125	Nora silt loam, 7 to 12 percent slopes	0.048
Steele City	NE	Nance	730.621	730.693	0.072	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.072
Steele City	NE	Nance	730.705	730.845	0.140	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.140
Steele City	NE	Nance	730.934	730.952	0.017	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.017
Steele City	NE	Nance	731.078	731.123	0.045	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.045
Steele City	NE	Nance	731.277	731.310	0.033	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.033
Steele City	NE	Nance	731.310	731.335	0.024	NE125	Moody-Nora silt loams, 3 to 7 percent slopes, eroded	0.024
Steele City	NE	Nance	731.335	731.355	0.020	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.020
Steele City	NE	Nance	731.375	731.697	0.322	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.322
Steele City	NE	Nance	731.724	731.751	0.027	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.027

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	NE	Nance	731.751	731.972	0.221	NE125	Belfore silt loam, 0 to 1 percent slopes	0.221
Steele City	NE	Nance	732.149	732.272	0.123	NE125	Belfore silt loam, 0 to 1 percent slopes	0.123
Steele City	NE	Nance	732.870	732.948	0.079	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.079
Steele City	NE	Nance	733.071	733.236	0.165	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.165
Steele City	NE	Nance	733.289	733.365	0.075	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.075
Steele City	NE	Nance	733.387	733.744	0.357	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.357
Steele City	NE	Nance	733.744	733.812	0.067	NE125	Nora-Crofton silt loams, 12 to 17 percent slopes, severely eroded	0.040
Steele City	NE	Nance	733.812	733.835	0.023	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.023
Steele City	NE	Nance	733.835	733.859	0.024	NE125	Nora-Crofton silt loams, 12 to 17 percent slopes, severely eroded	0.014
Steele City	NE	Nance	733.859	733.868	0.009	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.009
Steele City	NE	Nance	733.868	733.991	0.123	NE125	Belfore silt loam, 1 to 3 percent slopes	0.123
Steele City	NE	Nance	733.991	734.018	0.028	NE125	Nora silt loam, 7 to 12 percent slopes, severely eroded	0.028
Steele City	NE	Nance	734.797	735.211	0.414	NE125	Belfore silt loam, 0 to 1 percent slopes	0.414
Steele City	NE	Nance	735.317	735.329	0.013	NE125	Belfore silt loam, 0 to 1 percent slopes	0.013
Steele City	NE	Nance	735.374	735.480	0.106	NE125	Belfore silt loam, 0 to 1 percent slopes	0.106
Steele City	NE	Nance	735.729	735.899	0.170	NE125	Belfore silt loam, 0 to 1 percent slopes	0.170
Steele City	NE	Nance	735.936	736.469	0.534	NE125	Belfore silt loam, 0 to 1 percent slopes	0.534
Steele City	NE	Nance	736.504	736.534	0.030	NE125	Belfore silt loam, 0 to 1 percent slopes	0.030
Steele City	NE	Nance	736.563	736.611	0.048	NE125	Belfore silt loam, 0 to 1 percent slopes	0.048
Steele City	NE	Nance	736.621	736.756	0.135	NE125	Belfore silt loam, 0 to 1 percent slopes	0.135
Steele City	NE	Nance	737.309	737.343	0.034	NE125	Nora silt loam, 7 to 12 percent slopes	0.034
Steele City	NE	Nance	737.419	737.594	0.174	NE125	Nora silt loam, 7 to 12 percent slopes	0.174
Steele City	NE	Nance	737.594	737.686	0.092	NE125	Nora silt loam, 7 to 12 percent slopes, eroded	0.092
Steele City	NE	Nance	737.686	737.800	0.114	NE125	Belfore silt loam, 1 to 3 percent slopes	0.114
Steele City	NE	Nance	737.800	737.943	0.144	NE125	Hall silt loam, 0 to 1 percent slopes	0.144
Steele City	NE	Nance	738.267	739.555	1.287	NE125	Hall silt loam, 0 to 1 percent slopes	1.287
Steele City	NE	Nance	740.910	740.977	0.068	NE125	Rauville soils	0.068
Steele City	NE	Nance	741.294	741.698	0.403	NE125	Hord very fine sandy loam, imperfectly drained, 0 to 1 percent slopes	0.399
Steele City	NE	Nance	741.758	741.900	0.142	NE125	Hord very fine sandy loam, imperfectly drained, 0 to 1 percent slopes	0.141
Steele City	NE	Merrick	741.900	742.547	0.647	NE121	Lamo silt loam, wet, 0 to 1 percent slopes	0.647
Steele City	NE	Merrick	742.547	742.631	0.085	NE121	Wann loam, 0 to 1 percent slopes	0.084
Steele City	NE	Merrick	742.833	742.989	0.156	NE121	Valentine-Boelus loamy fine sands, 3 to 9 percent slopes	0.047
Steele City	NE	Merrick	742.989	743.514	0.525	NE121	Valentine-Boelus loamy fine sands, 0 to 3 percent slopes	0.236
Steele City	NE	Merrick	743.514	743.548	0.034	NE121	Valentine-Boelus loamy fine sands, 3 to 9 percent slopes	0.010
Steele City	NE	Merrick	743.548	743.669	0.122	NE121	Valentine-Boelus loamy fine sands, 0 to 3 percent slopes	0.055
Steele City	NE	Merrick	743.669	744.358	0.689	NE121	Valentine-Boelus loamy fine sands, 3 to 9 percent slopes	0.207
Steele City	NE	Merrick	744.541	744.877	0.336	NE121	Valentine-Boelus loamy fine sands, 3 to 9 percent slopes	0.101
Steele City	NE	Merrick	745.118	745.232	0.114	NE121	Valentine-Boelus loamy fine sands, 3 to 9 percent slopes	0.034
Steele City	NE	Merrick	745.314	745.491	0.178	NE121	Valentine-Boelus loamy fine sands, 3 to 9 percent slopes	0.053
Steele City	NE	Merrick	745.491	745.770	0.278	NE121	Libory loamy fine sand, 0 to 3 percent slopes	0.275
Steele City	NE	Merrick	745.803	745.889	0.087	NE121	Libory loamy fine sand, 0 to 3 percent slopes	0.086
Steele City	NE	Merrick	746.229	746.289	0.060	NE121	Wann loam, 0 to 1 percent slopes	0.059
Steele City	NE	Merrick	746.689	746.733	0.044	NE121	Lex clay loam, 0 to 1 percent slopes	0.043
Steele City	NE	Merrick	748.661	748.907	0.246	NE121	Wann loam, 0 to 1 percent slopes	0.244
Steele City	NE	Merrick	748.907	749.033	0.126	NE121	Gibbon loam, 0 to 2 percent slopes	0.120
Steele City	NE	Merrick	749.033	749.064	0.030	NE121	Lamo-Saltine complex, 0 to 1 percent slopes	0.030
Steele City	NE	Merrick	749.064	749.174	0.110	NE121	Gayville-Caruso complex, 0 to 1 percent slopes	0.109
Steele City	NE	Merrick	749.174	749.176	0.002	NE121	Caruso-Gayville complex, 0 to 1 percent slopes	0.002
Steele City	NE	Merrick	749.380	749.550	0.170	NE121	Gibbon loam, 0 to 2 percent slopes	0.162
Steele City	NE	Merrick	749.550	749.647	0.096	NE121	Caruso-Gayville complex, 0 to 1 percent slopes	0.095
Steele City	NE	Merrick	749.647	749.659	0.013	NE121	Gibbon loam, 0 to 2 percent slopes	0.012
Steele City	NE	Merrick	749.771	749.771	0.001	NE121	Gibbon loam, 0 to 2 percent slopes	0.001
Steele City	NE	Merrick	749.915	749.971	0.055	NE121	Caruso-Gayville complex, 0 to 1 percent slopes	0.055
Steele City	NE	Merrick	749.971	750.267	0.297	NE121	Gibbon loam, 0 to 2 percent slopes	0.282
Steele City	NE	Merrick	750.267	750.490	0.223	NE121	Lamo clay loam, sandy substratum, 0 to 1 percent slopes	0.221
Steele City	NE	Merrick	750.879	750.934	0.055	NE121	Lex clay loam, 0 to 1 percent slopes	0.055
Steele City	NE	Merrick	752.861	753.247	0.386	NE121	Lawet variant fine sandy loam, 0 to 1 percent slopes	0.386
Steele City	NE	Merrick	753.862	753.951	0.090	NE121	Gibbon loam, 0 to 2 percent slopes	0.085
Steele City	NE	Merrick	753.951	754.415	0.464	NE121	Lamo clay loam, sandy substratum, 0 to 1 percent slopes	0.459
Steele City	NE	Merrick	756.345	756.349	0.004	NE121	Wann sandy loam, 0 to 2 percent slopes	0.004
Steele City	NE	Merrick	756.349	756.457	0.108	NE121	Lex loam, 0 to 1 percent slopes	0.107
Steele City	NE	Hamilton	757.735	758.060	0.325	NE081	Hord silt loam, 0 to 1 percent slopes	0.325
Steele City	NE	Hamilton	758.261	758.314	0.054	NE081	Uly silt loam, 3 to 6 percent slopes	0.054
Steele City	NE	Hamilton	758.472	758.503	0.030	NE081	Uly silt loam, 3 to 6 percent slopes	0.030
Steele City	NE	Hamilton	758.503	758.585	0.083	NE081	Holder silt loam, 0 to 1 percent slopes	0.083
Steele City	NE	Hamilton	758.585	758.593	0.007	NE081	Uly silt loam, 3 to 6 percent slopes	0.007
Steele City	NE	Hamilton	758.593	758.632	0.040	NE081	Holder silt loam, 0 to 1 percent slopes	0.040
Steele City	NE	Hamilton	758.632	758.659	0.027	NE081	Uly silt loam, 3 to 6 percent slopes	0.027
Steele City	NE	Hamilton	758.715	758.733	0.019	NE081	Uly silt loam, 3 to 6 percent slopes	0.019

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	NE	Hamilton	758.733	758.784	0.051	NE081	Holder silt loam, 0 to 1 percent slopes	0.051
Steele City	NE	Hamilton	758.845	758.893	0.047	NE081	Holder silt loam, 0 to 1 percent slopes	0.047
Steele City	NE	Hamilton	758.931	759.464	0.533	NE081	Holder silt loam, 0 to 1 percent slopes	0.533
Steele City	NE	Hamilton	759.464	759.480	0.016	NE081	Holder silt loam, 1 to 3 percent slopes	0.016
Steele City	NE	Hamilton	759.480	760.587	1.107	NE081	Holder silt loam, 0 to 1 percent slopes	1.107
Steele City	NE	Hamilton	760.587	760.920	0.333	NE081	Butler silt loam, 0 to 1 percent slopes	0.333
Steele City	NE	Hamilton	760.920	760.986	0.066	NE081	Holder silt loam, 1 to 3 percent slopes	0.066
Steele City	NE	Hamilton	760.986	762.199	1.213	NE081	Holder silt loam, 0 to 1 percent slopes	1.213
Steele City	NE	Hamilton	762.199	762.469	0.270	NE081	Hastings silt loam, 0 to 1 percent slopes	0.270
Steele City	NE	Hamilton	762.469	763.408	0.939	NE081	Holder silt loam, 0 to 1 percent slopes	0.939
Steele City	NE	Hamilton	763.408	763.502	0.094	NE081	Holder silt loam, 1 to 3 percent slopes	0.094
Steele City	NE	Hamilton	763.502	763.813	0.311	NE081	Holder silty clay loam, 3 to 6 percent slopes, eroded	0.311
Steele City	NE	Hamilton	763.813	763.825	0.012	NE081	Holder silt loam, 3 to 6 percent slopes	0.012
Steele City	NE	Hamilton	763.825	763.929	0.104	NE081	Hord silt loam, 0 to 1 percent slopes	0.104
Steele City	NE	Hamilton	763.929	764.018	0.089	NE081	Holder silt loam, 3 to 6 percent slopes	0.089
Steele City	NE	Hamilton	764.018	764.103	0.084	NE081	Holder silt loam, 1 to 3 percent slopes	0.084
Steele City	NE	York	764.103	764.282	0.179	NE185	Holder silt loam, 1 to 3 percent slopes	0.179
Steele City	NE	York	764.282	764.393	0.112	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.112
Steele City	NE	York	764.393	764.419	0.025	NE185	Silty alluvial land	0.025
Steele City	NE	York	764.419	764.621	0.202	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.202
Steele City	NE	York	764.621	764.673	0.053	NE185	Silty alluvial land	0.052
Steele City	NE	York	764.673	764.781	0.108	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.108
Steele City	NE	York	764.781	764.912	0.131	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.131
Steele City	NE	York	764.912	766.138	1.226	NE185	Holder silt loam, 0 to 1 percent slopes	1.226
Steele City	NE	York	766.138	766.254	0.116	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.116
Steele City	NE	York	766.335	766.395	0.060	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.060
Steele City	NE	York	766.395	766.628	0.233	NE185	Holder silt loam, 0 to 1 percent slopes	0.233
Steele City	NE	York	766.628	766.977	0.348	NE185	Holder silt loam, 1 to 3 percent slopes	0.348
Steele City	NE	York	766.977	767.155	0.179	NE185	Holder silt loam, 0 to 1 percent slopes	0.179
Steele City	NE	York	767.155	767.359	0.204	NE185	Holder silt loam, 1 to 3 percent slopes	0.204
Steele City	NE	York	767.359	767.393	0.034	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.034
Steele City	NE	York	767.393	767.474	0.081	NE185	Holder silt loam, 0 to 1 percent slopes	0.081
Steele City	NE	York	767.474	767.577	0.103	NE185	Holder silt loam, 1 to 3 percent slopes	0.103
Steele City	NE	York	767.577	767.679	0.102	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.102
Steele City	NE	York	767.679	767.990	0.312	NE185	Holder silt loam, 1 to 3 percent slopes	0.312
Steele City	NE	York	767.990	768.096	0.106	NE185	Hastings silt loam, 3 to 6 percent slopes	0.106
Steele City	NE	York	768.096	768.196	0.100	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.100
Steele City	NE	York	768.196	768.535	0.339	NE185	Butler silt loam, 0 to 1 percent slopes	0.339
Steele City	NE	York	768.535	768.900	0.365	NE185	Crete silt loam, 0 to 1 percent slopes	0.365
Steele City	NE	York	768.900	768.975	0.076	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.076
Steele City	NE	York	768.975	769.118	0.143	NE185	Crete silt loam, 0 to 1 percent slopes	0.143
Steele City	NE	York	769.118	769.216	0.098	NE185	Holder silt loam, 1 to 3 percent slopes	0.098
Steele City	NE	York	769.216	769.285	0.069	NE185	Crete silt loam, 0 to 1 percent slopes	0.069
Steele City	NE	York	769.285	769.300	0.014	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.014
Steele City	NE	York	769.300	769.396	0.096	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.096
Steele City	NE	York	769.396	769.541	0.146	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.146
Steele City	NE	York	769.541	769.710	0.169	NE185	Holder silt loam, 1 to 3 percent slopes	0.169
Steele City	NE	York	769.710	770.286	0.576	NE185	Hastings silt loam, 0 to 1 percent slopes	0.576
Steele City	NE	York	770.286	770.475	0.189	NE185	Holder silt loam, 1 to 3 percent slopes	0.189
Steele City	NE	York	770.475	770.650	0.175	NE185	Hastings silt loam, 0 to 1 percent slopes	0.175
Steele City	NE	York	770.650	770.752	0.101	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.101
Steele City	NE	York	770.752	770.852	0.100	NE185	Hastings silt loam, 0 to 1 percent slopes	0.100
Steele City	NE	York	770.852	770.970	0.118	NE185	Hastings silt loam, 1 to 3 percent slopes	0.118
Steele City	NE	York	770.970	772.442	1.472	NE185	Hastings silt loam, 0 to 1 percent slopes	1.472
Steele City	NE	York	772.442	772.481	0.039	NE185	Butler silt loam, 0 to 1 percent slopes	0.039
Steele City	NE	York	772.481	773.526	1.045	NE185	Hastings silt loam, 0 to 1 percent slopes	1.045
Steele City	NE	York	773.526	773.553	0.027	NE185	Hastings silt loam, 1 to 3 percent slopes	0.027
Steele City	NE	York	773.553	773.726	0.173	NE185	Hastings silt loam, 3 to 6 percent slopes	0.173
Steele City	NE	York	773.726	773.839	0.113	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.113
Steele City	NE	York	773.839	774.032	0.193	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.193
Steele City	NE	York	774.032	774.181	0.149	NE185	Silty alluvial land	0.147
Steele City	NE	York	774.181	774.300	0.119	NE185	Hastings silt loam, 3 to 6 percent slopes	0.119
Steele City	NE	York	774.300	774.424	0.125	NE185	Uly-Hobbs silt loams, 11 to 30 percent slopes	0.069
Steele City	NE	York	774.424	774.491	0.067	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.067
Steele City	NE	York	774.491	774.546	0.055	NE185	Hastings silt loam, 0 to 1 percent slopes	0.055
Steele City	NE	York	774.546	774.583	0.038	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.038
Steele City	NE	York	774.583	774.630	0.046	NE185	Hastings silt loam, 0 to 1 percent slopes	0.046
Steele City	NE	York	774.630	774.656	0.027	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.027
Steele City	NE	York	774.656	774.912	0.256	NE185	Hastings silt loam, 0 to 1 percent slopes	0.256
Steele City	NE	York	774.912	775.033	0.120	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.120
Steele City	NE	York	775.033	775.139	0.106	NE185	Hastings silt loam, 0 to 1 percent slopes	0.106
Steele City	NE	York	775.139	775.213	0.075	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.075
Steele City	NE	York	775.213	775.330	0.117	NE185	Hastings silt loam, 0 to 1 percent slopes	0.117

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	NE	York	775.330	775.399	0.069	NE185	Hastings silt loam, 1 to 3 percent slopes	0.069
Steele City	NE	York	775.399	777.031	1.632	NE185	Hastings silt loam, 0 to 1 percent slopes	1.632
Steele City	NE	York	777.031	777.079	0.048	NE185	Hastings silt loam, 3 to 6 percent slopes	0.048
Steele City	NE	York	777.079	777.117	0.038	NE185	Hastings silt loam, 6 to 11 percent slopes	0.038
Steele City	NE	York	777.117	777.164	0.047	NE185	Silty alluvial land	0.046
Steele City	NE	York	777.164	777.206	0.042	NE185	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.042
Steele City	NE	York	777.206	777.433	0.227	NE185	Hastings silt loam, 0 to 1 percent slopes	0.227
Steele City	NE	York	777.433	777.569	0.136	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.136
Steele City	NE	York	777.569	778.425	0.857	NE185	Hastings silt loam, 0 to 1 percent slopes	0.857
Steele City	NE	York	778.425	778.497	0.071	NE185	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.071
Steele City	NE	York	778.497	778.682	0.185	NE185	Hastings silt loam, 0 to 1 percent slopes	0.185
Steele City	NE	York	778.682	778.795	0.114	NE185	Hastings silt loam, 3 to 6 percent slopes	0.114
Steele City	NE	York	778.795	778.980	0.184	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.184
Steele City	NE	York	778.980	779.281	0.301	NE185	Crete silt loam, 0 to 1 percent slopes	0.301
Steele City	NE	York	779.281	779.310	0.029	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.029
Steele City	NE	York	779.310	779.393	0.083	NE185	Silty alluvial land	0.082
Steele City	NE	York	779.393	779.471	0.077	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.077
Steele City	NE	York	779.471	779.538	0.067	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.067
Steele City	NE	York	779.538	779.905	0.368	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.368
Steele City	NE	York	779.905	780.922	1.017	NE185	Hastings silt loam, 0 to 1 percent slopes	1.017
Steele City	NE	York	780.922	780.981	0.059	NE185	Hastings silt loam, 3 to 6 percent slopes	0.059
Steele City	NE	York	780.981	781.051	0.069	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.069
Steele City	NE	York	781.051	781.182	0.131	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.131
Steele City	NE	York	781.182	781.254	0.073	NE185	Scott silt loam, 0 to 1 percent slopes	0.073
Steele City	NE	York	781.254	781.285	0.031	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.031
Steele City	NE	York	781.285	781.351	0.066	NE185	Hastings silt loam, 3 to 6 percent slopes	0.066
Steele City	NE	York	781.351	781.479	0.128	NE185	Hastings silt loam, 0 to 1 percent slopes	0.128
Steele City	NE	York	781.479	781.508	0.029	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.029
Steele City	NE	York	781.508	781.532	0.024	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.024
Steele City	NE	York	781.532	781.628	0.096	NE185	Hastings silt loam, 1 to 3 percent slopes	0.096
Steele City	NE	York	781.628	781.656	0.028	NE185	Hastings silt loam, 0 to 1 percent slopes	0.028
Steele City	NE	York	781.656	781.702	0.046	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.046
Steele City	NE	York	781.702	781.718	0.015	NE185	Hastings silt loam, 0 to 1 percent slopes	0.015
Steele City	NE	York	781.718	781.807	0.089	NE185	Hastings silt loam, 1 to 3 percent slopes	0.089
Steele City	NE	York	781.807	781.877	0.070	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.070
Steele City	NE	York	781.877	781.936	0.059	NE185	Hastings silt loam, 0 to 1 percent slopes	0.059
Steele City	NE	York	781.936	781.959	0.023	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.023
Steele City	NE	York	781.959	782.021	0.062	NE185	Fillmore silt loam, 0 to 1 percent slopes	0.062
Steele City	NE	York	782.021	782.052	0.031	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.031
Steele City	NE	York	782.052	782.123	0.071	NE185	Crete silt loam, 0 to 1 percent slopes	0.071
Steele City	NE	York	782.123	782.209	0.086	NE185	Hastings silt loam, 0 to 1 percent slopes	0.086
Steele City	NE	York	782.209	782.385	0.176	NE185	Hastings silt loam, 3 to 6 percent slopes	0.176
Steele City	NE	York	782.385	782.424	0.040	NE185	Hastings silt loam, 1 to 3 percent slopes	0.040
Steele City	NE	York	782.424	782.819	0.394	NE185	Hastings silt loam, 0 to 1 percent slopes	0.394
Steele City	NE	York	782.819	782.925	0.107	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.107
Steele City	NE	York	782.925	783.689	0.764	NE185	Hastings silt loam, 0 to 1 percent slopes	0.764
Steele City	NE	York	783.689	783.778	0.088	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.088
Steele City	NE	York	783.778	783.819	0.041	NE185	Hastings silt loam, 0 to 1 percent slopes	0.041
Steele City	NE	York	783.819	783.895	0.076	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.076
Steele City	NE	York	783.895	784.545	0.650	NE185	Hastings silt loam, 0 to 1 percent slopes	0.650
Steele City	NE	York	784.545	784.622	0.077	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.077
Steele City	NE	York	784.622	785.196	0.574	NE185	Hastings silt loam, 0 to 1 percent slopes	0.574
Steele City	NE	York	785.196	785.234	0.038	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.038
Steele City	NE	York	785.234	785.291	0.057	NE185	Uly-Hobbs silt loams, 11 to 30 percent slopes	0.031
Steele City	NE	York	785.291	785.329	0.037	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.037
Steele City	NE	York	785.329	785.421	0.093	NE185	Uly-Hobbs silt loams, 11 to 30 percent slopes	0.051
Steele City	NE	York	785.421	785.492	0.070	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.070
Steele City	NE	York	785.492	785.548	0.056	NE185	Hastings silt loam, 1 to 3 percent slopes	0.056
Steele City	NE	York	785.548	785.631	0.083	NE185	Hastings silt loam, 0 to 1 percent slopes	0.083
Steele City	NE	York	785.631	785.691	0.060	NE185	Hastings silt loam, 1 to 3 percent slopes	0.060
Steele City	NE	York	785.691	785.987	0.296	NE185	Hastings silt loam, 0 to 1 percent slopes	0.296
Steele City	NE	York	785.987	786.067	0.080	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.080
Steele City	NE	York	786.067	786.117	0.050	NE185	Uly-Hobbs silt loams, 11 to 30 percent slopes	0.027
Steele City	NE	York	786.117	786.261	0.144	NE185	Geary-Hobbs silt loams, 11 to 30 percent slopes	0.072
Steele City	NE	York	786.261	786.399	0.138	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.138
Steele City	NE	York	786.399	786.532	0.132	NE185	Geary-Hobbs silt loams, 11 to 30 percent slopes	0.066
Steele City	NE	York	786.532	786.538	0.007	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.007
Steele City	NE	York	786.538	786.608	0.070	NE185	Geary-Hobbs silt loams, 11 to 30 percent slopes	0.035
Steele City	NE	York	786.608	786.645	0.037	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.037
Steele City	NE	York	786.645	786.801	0.156	NE185	Hastings silt loam, 0 to 1 percent slopes	0.156
Steele City	NE	York	786.801	786.853	0.052	NE185	Geary-Hobbs silt loams, 11 to 30 percent slopes	0.026
Steele City	NE	York	786.853	787.107	0.253	NE185	Hastings silt loam, 0 to 1 percent slopes	0.253
Steele City	NE	York	787.107	787.129	0.023	NE185	Hastings silt loam, 3 to 6 percent slopes	0.023

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	NE	York	787.129	787.330	0.201	NE185	Geary-Hobbs silt loams, 11 to 30 percent slopes	0.100
Steele City	NE	York	787.330	787.475	0.145	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.145
Steele City	NE	York	787.475	787.660	0.185	NE185	Hastings silt loam, 0 to 1 percent slopes	0.185
Steele City	NE	York	787.660	787.766	0.105	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.105
Steele City	NE	York	787.766	787.883	0.117	NE185	Hastings silt loam, 0 to 1 percent slopes	0.117
Steele City	NE	York	787.883	787.927	0.044	NE185	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.044
Steele City	NE	York	787.927	787.952	0.026	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.026
Steele City	NE	York	787.952	788.115	0.163	NE185	Geary-Hobbs silt loams, 11 to 30 percent slopes	0.081
Steele City	NE	York	788.115	788.344	0.229	NE185	Geary silty clay loam, 3 to 6 percent slopes, eroded	0.229
Steele City	NE	York	788.344	788.488	0.144	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.144
Steele City	NE	York	788.488	788.605	0.116	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.116
Steele City	NE	York	788.659	788.677	0.018	NE185	Silty alluvial land	0.018
Steele City	NE	York	788.692	788.764	0.072	NE185	Silty alluvial land	0.071
Steele City	NE	York	788.824	788.911	0.087	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.087
Steele City	NE	York	788.911	789.006	0.095	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.095
Steele City	NE	York	789.006	789.118	0.112	NE185	Hord silt loam, terrace, 0 to 1 percent slopes	0.112
Steele City	NE	York	789.118	789.173	0.055	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.055
Steele City	NE	York	789.173	789.342	0.169	NE185	Crete silt loam, 0 to 1 percent slopes	0.169
Steele City	NE	York	789.342	789.421	0.079	NE185	Butler silt loam, 0 to 1 percent slopes	0.079
Steele City	NE	York	789.421	789.521	0.099	NE185	Crete silt loam, 0 to 1 percent slopes	0.099
Steele City	NE	York	789.521	789.570	0.049	NE185	Butler silt loam, 0 to 1 percent slopes	0.049
Steele City	NE	York	789.570	789.627	0.057	NE185	Hastings silt loam, 0 to 1 percent slopes	0.057
Steele City	NE	York	789.627	789.661	0.035	NE185	Hastings silt loam, 1 to 3 percent slopes	0.035
Steele City	NE	York	789.661	789.760	0.098	NE185	Hastings silt loam, 0 to 1 percent slopes	0.098
Steele City	NE	York	789.760	789.878	0.118	NE185	Butler silt loam, 0 to 1 percent slopes	0.118
Steele City	NE	York	789.878	789.886	0.009	NE185	Hastings silt loam, 0 to 1 percent slopes	0.009
Steele City	NE	York	789.886	790.012	0.126	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.126
Steele City	NE	York	790.012	790.130	0.117	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.117
Steele City	NE	York	790.130	790.288	0.158	NE185	Hastings silt loam, 0 to 1 percent slopes	0.158
Steele City	NE	York	790.288	790.600	0.312	NE185	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.312
Steele City	NE	York	790.600	790.619	0.019	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.019
Steele City	NE	York	790.619	790.640	0.022	NE185	Hastings silt loam, 1 to 3 percent slopes	0.022
Steele City	NE	York	790.640	790.675	0.034	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.034
Steele City	NE	York	790.675	790.851	0.177	NE185	Hastings silt loam, 1 to 3 percent slopes	0.177
Steele City	NE	York	790.851	790.912	0.061	NE185	Hastings silt loam, 3 to 6 percent slopes	0.061
Steele City	NE	York	790.912	790.976	0.064	NE185	Hastings silt loam, 1 to 3 percent slopes	0.064
Steele City	NE	York	790.976	791.013	0.037	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.037
Steele City	NE	York	791.013	791.060	0.047	NE185	Hastings silt loam, 1 to 3 percent slopes	0.047
Steele City	NE	York	791.060	791.126	0.066	NE185	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.066
Steele City	NE	York	791.126	791.160	0.035	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.035
Steele City	NE	York	791.160	791.187	0.026	NE185	Hastings silt loam, 1 to 3 percent slopes	0.026
Steele City	NE	York	791.187	791.227	0.040	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.040
Steele City	NE	York	791.227	791.242	0.016	NE185	Hastings silt loam, 1 to 3 percent slopes	0.016
Steele City	NE	York	791.242	791.301	0.059	NE185	Hastings silt loam, 3 to 6 percent slopes	0.059
Steele City	NE	York	791.301	791.344	0.043	NE185	Hastings silt loam, 1 to 3 percent slopes	0.043
Steele City	NE	York	791.344	791.400	0.056	NE185	Hastings silt loam, 3 to 6 percent slopes	0.056
Steele City	NE	York	791.400	791.445	0.045	NE185	Hastings silt loam, 1 to 3 percent slopes	0.045
Steele City	NE	York	791.445	791.574	0.130	NE185	Hastings silt loam, 3 to 6 percent slopes	0.130
Steele City	NE	York	791.574	791.717	0.142	NE185	Hastings silt loam, 1 to 3 percent slopes	0.142
Steele City	NE	York	791.717	791.839	0.122	NE185	Butler silt loam, 0 to 1 percent slopes	0.122
Steele City	NE	York	791.839	791.993	0.154	NE185	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.154
Steele City	NE	York	791.993	792.165	0.172	NE185	Fillmore silt loam, drained, 0 to 1 percent slopes	0.172
Steele City	NE	York	792.165	792.184	0.019	NE185	Hastings silt loam, 3 to 6 percent slopes	0.019
Steele City	NE	York	792.184	792.398	0.214	NE185	Hastings silt loam, 1 to 3 percent slopes	0.214
Steele City	NE	York	792.398	792.735	0.337	NE185	Hastings silt loam, 3 to 6 percent slopes	0.337
Steele City	NE	York	792.735	792.755	0.021	NE185	Hastings silt loam, 1 to 3 percent slopes	0.021
Steele City	NE	York	792.755	792.815	0.060	NE185	Butler silt loam, 0 to 1 percent slopes	0.060
Steele City	NE	York	792.815	792.852	0.037	NE185	Hastings silt loam, 1 to 3 percent slopes	0.037
Steele City	NE	York	792.852	793.127	0.275	NE185	Hastings silt loam, 3 to 6 percent slopes	0.275
Steele City	NE	York	793.127	793.164	0.037	NE185	Hord silt loam, terrace, 1 to 3 percent slopes	0.037
Steele City	NE	York	793.164	793.293	0.129	NE185	Hastings silt loam, 3 to 6 percent slopes	0.129
Steele City	NE	York	793.293	793.363	0.071	NE185	Hastings silt loam, 1 to 3 percent slopes	0.071
Steele City	NE	York	793.363	793.511	0.148	NE185	Butler silt loam, 0 to 1 percent slopes	0.148
Steele City	NE	York	793.511	793.542	0.031	NE185	Hastings silt loam, 3 to 6 percent slopes	0.031
Steele City	NE	York	793.542	793.604	0.061	NE185	Hastings silt loam, 1 to 3 percent slopes	0.061
Steele City	NE	Fillmore	793.604	793.614	0.010	NE059	Hastings silt loam, 1 to 3 percent slopes	0.010
Steele City	NE	Fillmore	793.614	793.679	0.066	NE059	Fillmore silt loam, 0 to 1 percent slopes	0.066
Steele City	NE	Fillmore	793.679	794.023	0.344	NE059	Hastings silt loam, 3 to 6 percent slopes	0.344
Steele City	NE	Fillmore	794.023	794.112	0.089	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.089
Steele City	NE	Fillmore	794.112	794.217	0.105	NE059	Hobbs silt loam, 0 to 2 percent slopes	0.104
Steele City	NE	Fillmore	794.217	794.278	0.061	NE059	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.061
Steele City	NE	Fillmore	794.278	794.286	0.008	NE059	Hastings silt loam, 1 to 3 percent slopes	0.008
Steele City	NE	Fillmore	794.286	794.490	0.204	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.204

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	NE	Fillmore	794.490	794.528	0.038	NE059	Hastings silt loam, 1 to 3 percent slopes	0.038
Steele City	NE	Fillmore	794.528	794.671	0.143	NE059	Crete silt loam, 0 to 1 percent slopes	0.143
Steele City	NE	Fillmore	794.671	794.971	0.300	NE059	Butler silt loam, 0 to 1 percent slopes	0.300
Steele City	NE	Fillmore	794.971	795.040	0.069	NE059	Crete silt loam, 0 to 1 percent slopes	0.069
Steele City	NE	Fillmore	795.040	795.095	0.055	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.055
Steele City	NE	Fillmore	795.095	795.410	0.315	NE059	Hastings silt loam, 1 to 3 percent slopes	0.315
Steele City	NE	Fillmore	795.410	795.458	0.048	NE059	Crete silt loam, 0 to 1 percent slopes	0.048
Steele City	NE	Fillmore	795.458	795.520	0.063	NE059	Butler silt loam, 0 to 1 percent slopes	0.063
Steele City	NE	Fillmore	795.520	795.798	0.277	NE059	Crete silt loam, 0 to 1 percent slopes	0.277
Steele City	NE	Fillmore	795.798	795.936	0.138	NE059	Butler silt loam, 0 to 1 percent slopes	0.138
Steele City	NE	Fillmore	795.936	795.978	0.043	NE059	Crete silt loam, 0 to 1 percent slopes	0.043
Steele City	NE	Fillmore	795.978	796.051	0.073	NE059	Butler silt loam, 0 to 1 percent slopes	0.073
Steele City	NE	Fillmore	796.051	796.398	0.347	NE059	Crete silt loam, 0 to 1 percent slopes	0.347
Steele City	NE	Fillmore	796.398	796.457	0.059	NE059	Hastings silt loam, 1 to 3 percent slopes	0.059
Steele City	NE	Fillmore	796.457	796.530	0.074	NE059	Crete silt loam, 0 to 1 percent slopes	0.074
Steele City	NE	Fillmore	796.530	796.579	0.048	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.048
Steele City	NE	Fillmore	796.579	796.733	0.154	NE059	Hastings silt loam, 1 to 3 percent slopes	0.154
Steele City	NE	Fillmore	796.733	796.737	0.004	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.004
Steele City	NE	Fillmore	796.737	796.822	0.085	NE059	Hastings silt loam, 1 to 3 percent slopes	0.085
Steele City	NE	Fillmore	796.822	796.883	0.061	NE059	Crete silt loam, 0 to 1 percent slopes	0.061
Steele City	NE	Fillmore	796.883	797.073	0.190	NE059	Butler silt loam, 0 to 1 percent slopes	0.190
Steele City	NE	Fillmore	797.073	797.148	0.075	NE059	Fillmore silt loam, 0 to 1 percent slopes	0.075
Steele City	NE	Fillmore	797.148	797.221	0.073	NE059	Butler silt loam, 0 to 1 percent slopes	0.073
Steele City	NE	Fillmore	797.221	797.442	0.222	NE059	Crete silt loam, 0 to 1 percent slopes	0.222
Steele City	NE	Fillmore	797.442	797.525	0.083	NE059	Fillmore silt loam, 0 to 1 percent slopes	0.083
Steele City	NE	Fillmore	797.525	797.560	0.036	NE059	Crete silt loam, 1 to 3 percent slopes	0.036
Steele City	NE	Fillmore	797.560	797.914	0.353	NE059	Crete silt loam, 0 to 1 percent slopes	0.353
Steele City	NE	Fillmore	797.914	798.196	0.282	NE059	Butler silt loam, 0 to 1 percent slopes	0.282
Steele City	NE	Fillmore	798.196	798.361	0.165	NE059	Crete silt loam, 0 to 1 percent slopes	0.165
Steele City	NE	Fillmore	798.361	798.570	0.209	NE059	Butler silt loam, 0 to 1 percent slopes	0.209
Steele City	NE	Fillmore	798.570	798.706	0.135	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	0.135
Steele City	NE	Fillmore	798.706	798.776	0.070	NE059	Fillmore silt loam, 0 to 1 percent slopes	0.070
Steele City	NE	Fillmore	798.776	798.859	0.083	NE059	Crete silt loam, 0 to 1 percent slopes	0.083
Steele City	NE	Fillmore	798.859	798.942	0.083	NE059	Fillmore silt loam, 0 to 1 percent slopes	0.083
Steele City	NE	Fillmore	798.942	799.040	0.097	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	0.097
Steele City	NE	Fillmore	799.040	799.081	0.042	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.042
Steele City	NE	Fillmore	799.081	799.165	0.084	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	0.084
Steele City	NE	Fillmore	799.165	799.258	0.093	NE059	Crete silt loam, 0 to 1 percent slopes	0.093
Steele City	NE	Fillmore	799.258	799.325	0.066	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.066
Steele City	NE	Fillmore	799.325	799.467	0.142	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	0.142
Steele City	NE	Fillmore	799.467	799.600	0.133	NE059	Crete silt loam, 0 to 1 percent slopes	0.133
Steele City	NE	Fillmore	799.600	800.371	0.771	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	0.771
Steele City	NE	Fillmore	800.371	800.579	0.208	NE059	Scott silty clay loam, drained, 0 to 1 percent slopes	0.208
Steele City	NE	Fillmore	800.579	800.691	0.112	NE059	Olbut-Butler silt loams, 0 to 1 percent slopes	0.112
Steele City	NE	Fillmore	800.691	800.736	0.045	NE059	Crete silt loam, 0 to 1 percent slopes	0.045
Steele City	NE	Fillmore	800.736	800.775	0.039	NE059	Scott silty clay loam, drained, 0 to 1 percent slopes	0.039
Steele City	NE	Fillmore	800.775	800.884	0.109	NE059	Butler silt loam, 0 to 1 percent slopes	0.109
Steele City	NE	Fillmore	800.884	800.951	0.067	NE059	Scott silty clay loam, drained, 0 to 1 percent slopes	0.067
Steele City	NE	Fillmore	800.951	800.992	0.041	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.041
Steele City	NE	Fillmore	800.992	801.080	0.088	NE059	Crete silt loam, 1 to 3 percent slopes	0.088
Steele City	NE	Fillmore	801.080	801.428	0.348	NE059	Butler silt loam, 0 to 1 percent slopes	0.348
Steele City	NE	Fillmore	801.428	801.517	0.089	NE059	Crete silty clay loam, 1 to 3 percent slopes	0.089
Steele City	NE	Fillmore	801.517	801.613	0.096	NE059	Crete silt loam, 0 to 1 percent slopes	0.096
Steele City	NE	Fillmore	801.613	801.725	0.112	NE059	Crete silty clay loam, 1 to 3 percent slopes	0.112
Steele City	NE	Fillmore	801.725	801.899	0.174	NE059	Crete silt loam, 0 to 1 percent slopes	0.174
Steele City	NE	Fillmore	801.899	801.950	0.052	NE059	Crete silty clay loam, 1 to 3 percent slopes	0.052
Steele City	NE	Fillmore	801.950	802.023	0.073	NE059	Crete silt loam, 0 to 1 percent slopes	0.073
Steele City	NE	Fillmore	802.023	802.089	0.066	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.066
Steele City	NE	Fillmore	802.089	802.238	0.149	NE059	Crete silt loam, 0 to 1 percent slopes	0.149
Steele City	NE	Fillmore	802.238	802.284	0.046	NE059	Crete silty clay loam, 1 to 3 percent slopes	0.046
Steele City	NE	Fillmore	802.284	802.353	0.069	NE059	Crete silt loam, 0 to 1 percent slopes	0.069
Steele City	NE	Fillmore	802.353	802.460	0.106	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.106
Steele City	NE	Fillmore	802.460	802.571	0.111	NE059	Crete silt loam, 0 to 1 percent slopes	0.111
Steele City	NE	Fillmore	802.571	802.632	0.061	NE059	Fillmore silt loam, 0 to 1 percent slopes	0.061
Steele City	NE	Fillmore	802.632	802.665	0.033	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.033
Steele City	NE	Fillmore	802.665	802.714	0.049	NE059	Crete silt loam, 0 to 1 percent slopes	0.049
Steele City	NE	Fillmore	802.714	802.856	0.142	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.142
Steele City	NE	Fillmore	802.856	803.110	0.255	NE059	Crete silt loam, 0 to 1 percent slopes	0.255
Steele City	NE	Fillmore	803.110	803.154	0.044	NE059	Butler silt loam, 0 to 1 percent slopes	0.044
Steele City	NE	Fillmore	803.154	803.235	0.081	NE059	Crete silt loam, 0 to 1 percent slopes	0.081
Steele City	NE	Fillmore	803.235	803.331	0.096	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.096
Steele City	NE	Fillmore	803.331	803.368	0.037	NE059	Crete silt loam, 0 to 1 percent slopes	0.037
Steele City	NE	Fillmore	803.368	803.468	0.100	NE059	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.100

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	NE	Fillmore	803.468	803.495	0.027	NE059	Crete silt loam, 0 to 1 percent slopes	0.027
Steele City	NE	Fillmore	803.495	803.555	0.061	NE059	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.061
Steele City	NE	Fillmore	803.555	803.641	0.086	NE059	Crete silt loam, 0 to 1 percent slopes	0.086
Steele City	NE	Fillmore	803.641	803.734	0.093	NE059	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.093
Steele City	NE	Fillmore	803.734	803.744	0.010	NE059	Crete silt loam, 0 to 1 percent slopes	0.010
Steele City	NE	Fillmore	803.744	803.788	0.044	NE059	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.044
Steele City	NE	Fillmore	803.788	804.027	0.239	NE059	Crete silt loam, 0 to 1 percent slopes	0.239
Steele City	NE	Fillmore	804.027	804.100	0.073	NE059	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.073
Steele City	NE	Fillmore	804.100	804.148	0.048	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.048
Steele City	NE	Fillmore	804.148	804.340	0.191	NE059	Crete silt loam, 0 to 1 percent slopes	0.191
Steele City	NE	Fillmore	804.340	804.430	0.091	NE059	Fillmore silt loam, drained, 0 to 1 percent slopes	0.091
Steele City	NE	Fillmore	804.430	804.597	0.167	NE059	Crete silt loam, 0 to 1 percent slopes	0.167
Steele City	NE	Fillmore	804.597	804.632	0.035	NE059	Crete silt loam, 1 to 3 percent slopes	0.035
Steele City	NE	Fillmore	804.632	804.733	0.101	NE059	Crete silt loam, 0 to 1 percent slopes	0.101
Steele City	NE	Fillmore	804.733	804.840	0.108	NE059	Crete silt loam, 1 to 3 percent slopes	0.108
Steele City	NE	Fillmore	804.840	804.963	0.122	NE059	Crete silt loam, 0 to 1 percent slopes	0.122
Steele City	NE	Fillmore	804.963	805.116	0.153	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.153
Steele City	NE	Fillmore	805.116	805.273	0.157	NE059	Crete silt loam, 1 to 3 percent slopes	0.157
Steele City	NE	Fillmore	805.273	805.353	0.080	NE059	Uly-Hobbs silt loams, 0 to 30 percent slopes	0.080
Steele City	NE	Fillmore	805.353	805.440	0.087	NE059	Crete silt loam, 1 to 3 percent slopes	0.087
Steele City	NE	Fillmore	805.440	805.656	0.216	NE059	Crete silt loam, 0 to 1 percent slopes	0.216
Steele City	NE	Fillmore	805.656	805.670	0.014	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.014
Steele City	NE	Fillmore	805.670	806.138	0.467	NE059	Crete silt loam, 0 to 1 percent slopes	0.467
Steele City	NE	Fillmore	806.138	806.225	0.088	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.088
Steele City	NE	Fillmore	806.225	806.292	0.067	NE059	Geary-Hobbs silt loams, 0 to 30 percent slopes	0.067
Steele City	NE	Fillmore	806.292	806.385	0.094	NE059	Geary silty clay loam, 6 to 11 percent slopes, eroded	0.094
Steele City	NE	Fillmore	806.385	806.506	0.121	NE059	Hobbs silt loam, channeled	0.121
Steele City	NE	Fillmore	806.506	806.508	0.002	NE059	Geary silty clay loam, 6 to 11 percent slopes, eroded	0.002
Steele City	NE	Fillmore	806.508	806.545	0.036	NE059	Geary silty clay loam, 3 to 6 percent slopes, eroded	0.036
Steele City	NE	Fillmore	806.545	806.578	0.033	NE059	Geary silty clay loam, 6 to 11 percent slopes, eroded	0.033
Steele City	NE	Fillmore	806.578	806.637	0.059	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.059
Steele City	NE	Fillmore	806.637	806.789	0.152	NE059	Geary silty clay loam, 6 to 11 percent slopes, eroded	0.152
Steele City	NE	Fillmore	806.789	806.856	0.067	NE059	Muir silt loam, 1 to 3 percent slopes	0.067
Steele City	NE	Fillmore	806.856	807.067	0.210	NE059	Muir silt loam, 0 to 1 percent slopes	0.208
Steele City	NE	Fillmore	807.067	807.205	0.138	NE059	Butler silt loam, 0 to 1 percent slopes	0.138
Steele City	NE	Fillmore	807.205	807.380	0.175	NE059	Muir silt loam, 0 to 1 percent slopes	0.173
Steele City	NE	Fillmore	807.380	807.419	0.040	NE059	Muir silt loam, 3 to 6 percent slopes	0.040
Steele City	NE	Fillmore	807.419	807.459	0.040	NE059	Hobbs silt loam, 0 to 2 percent slopes	0.039
Steele City	NE	Fillmore	807.459	807.572	0.113	NE059	Hobbs silt loam, channeled	0.113
Steele City	NE	Fillmore	807.572	807.695	0.123	NE059	Muir silt loam, 0 to 1 percent slopes	0.122
Steele City	NE	Fillmore	807.695	807.776	0.082	NE059	Geary silty clay loam, 6 to 11 percent slopes, eroded	0.082
Steele City	NE	Fillmore	807.776	807.893	0.117	NE059	Geary-Hobbs silt loams, 0 to 30 percent slopes	0.117
Steele City	NE	Fillmore	807.893	807.967	0.074	NE059	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.074
Steele City	NE	Fillmore	807.967	808.178	0.211	NE059	Crete silt loam, 1 to 3 percent slopes	0.211
Steele City	NE	Saline	808.178	808.188	0.010	NE151	Crete silt loam, 1 to 3 percent slopes	0.010
Steele City	NE	Saline	808.188	808.254	0.066	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.066
Steele City	NE	Saline	808.254	808.390	0.136	NE151	Crete silt loam, 1 to 3 percent slopes	0.136
Steele City	NE	Saline	808.390	808.432	0.042	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.042
Steele City	NE	Saline	808.432	808.491	0.059	NE151	Crete silt loam, 1 to 3 percent slopes	0.059
Steele City	NE	Saline	808.491	808.607	0.116	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.116
Steele City	NE	Saline	808.607	808.705	0.098	NE151	Crete silt loam, 1 to 3 percent slopes	0.098
Steele City	NE	Saline	808.705	808.926	0.221	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.221
Steele City	NE	Saline	808.926	809.055	0.129	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.129
Steele City	NE	Saline	809.055	809.079	0.025	NE151	Hobbs silt loam, channeled	0.024
Steele City	NE	Saline	809.079	809.113	0.034	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.034
Steele City	NE	Saline	809.113	809.192	0.079	NE151	Hobbs silt loam, channeled	0.078
Steele City	NE	Saline	809.192	809.254	0.062	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.062
Steele City	NE	Saline	809.254	809.356	0.101	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.101
Steele City	NE	Saline	809.356	809.383	0.027	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.027
Steele City	NE	Saline	809.383	809.513	0.130	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.130
Steele City	NE	Saline	809.513	809.692	0.179	NE151	Crete silt loam, 1 to 3 percent slopes	0.179
Steele City	NE	Saline	809.692	809.974	0.282	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.282
Steele City	NE	Saline	809.974	809.987	0.013	NE151	Crete silt loam, 1 to 3 percent slopes	0.013
Steele City	NE	Saline	809.987	810.102	0.115	NE151	Crete silt loam, 0 to 1 percent slopes	0.115
Steele City	NE	Saline	810.102	810.317	0.216	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.216
Steele City	NE	Saline	810.317	810.381	0.064	NE151	Crete silt loam, 1 to 3 percent slopes	0.064
Steele City	NE	Saline	810.381	810.523	0.142	NE151	Crete silt loam, 0 to 1 percent slopes	0.142
Steele City	NE	Saline	810.523	810.579	0.057	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.057
Steele City	NE	Saline	810.579	810.707	0.127	NE151	Crete silt loam, 0 to 1 percent slopes	0.127
Steele City	NE	Saline	810.707	810.907	0.200	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.200
Steele City	NE	Saline	810.907	810.971	0.064	NE151	Crete silt loam, 0 to 1 percent slopes	0.064
Steele City	NE	Saline	810.971	811.138	0.167	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.167
Steele City	NE	Saline	811.138	811.386	0.248	NE151	Crete silt loam, 0 to 1 percent slopes	0.248

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	NE	Saline	811.386	811.568	0.182	NE151	Butler silt loam, 0 to 1 percent slopes	0.182
Steele City	NE	Saline	811.568	812.075	0.507	NE151	Crete silt loam, 0 to 1 percent slopes	0.507
Steele City	NE	Saline	812.075	812.170	0.095	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.095
Steele City	NE	Saline	812.170	812.349	0.180	NE151	Crete silt loam, 1 to 3 percent slopes	0.180
Steele City	NE	Saline	812.349	812.426	0.077	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.077
Steele City	NE	Saline	812.426	812.488	0.062	NE151	Crete silt loam, 0 to 1 percent slopes	0.062
Steele City	NE	Saline	812.488	812.708	0.220	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.220
Steele City	NE	Saline	812.708	812.850	0.141	NE151	Crete silt loam, 1 to 3 percent slopes	0.141
Steele City	NE	Saline	812.850	812.982	0.132	NE151	Crete silt loam, 0 to 1 percent slopes	0.132
Steele City	NE	Saline	812.982	813.018	0.036	NE151	Crete silt loam, 1 to 3 percent slopes	0.036
Steele City	NE	Saline	813.018	813.051	0.034	NE151	Crete silt loam, 0 to 1 percent slopes	0.034
Steele City	NE	Saline	813.051	813.093	0.042	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.042
Steele City	NE	Saline	813.093	813.164	0.071	NE151	Crete silt loam, 0 to 1 percent slopes	0.071
Steele City	NE	Saline	813.164	813.227	0.063	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.063
Steele City	NE	Saline	813.227	813.295	0.068	NE151	Crete silt loam, 1 to 3 percent slopes	0.068
Steele City	NE	Saline	813.295	813.382	0.087	NE151	Crete silt loam, 0 to 1 percent slopes	0.087
Steele City	NE	Saline	813.382	813.422	0.041	NE151	Crete silt loam, 1 to 3 percent slopes	0.041
Steele City	NE	Saline	813.422	813.463	0.040	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.040
Steele City	NE	Saline	813.463	813.511	0.048	NE151	Crete silt loam, 1 to 3 percent slopes	0.048
Steele City	NE	Saline	813.511	813.552	0.041	NE151	Crete silt loam, 0 to 1 percent slopes	0.041
Steele City	NE	Saline	813.552	813.582	0.030	NE151	Crete silt loam, 1 to 3 percent slopes	0.030
Steele City	NE	Saline	813.582	813.627	0.045	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.045
Steele City	NE	Saline	813.627	813.830	0.203	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.203
Steele City	NE	Saline	813.830	814.069	0.239	NE151	Malmo silty clay loam, 6 to 11 percent slopes, eroded	0.239
Steele City	NE	Saline	814.069	814.180	0.112	NE151	Hobbs silt loam, channeled	0.110
Steele City	NE	Saline	814.180	814.325	0.145	NE151	Malmo silty clay loam, 6 to 11 percent slopes, eroded	0.145
Steele City	NE	Saline	814.325	814.404	0.079	NE151	Burchard clay loam, 6 to 11 percent slopes, eroded	0.079
Steele City	NE	Saline	814.404	814.464	0.060	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.060
Steele City	NE	Saline	814.464	814.496	0.032	NE151	Burchard clay loam, 6 to 11 percent slopes, eroded	0.032
Steele City	NE	Saline	814.496	814.560	0.064	NE151	Burchard-Steinauer clay loams, 11 to 30 percent slopes	0.064
Steele City	NE	Saline	814.560	814.567	0.007	NE151	Burchard clay loam, 6 to 11 percent slopes, eroded	0.007
Steele City	NE	Saline	814.567	814.605	0.037	NE151	Malmo silty clay loam, 3 to 6 percent slopes, eroded	0.037
Steele City	NE	Saline	814.605	814.717	0.113	NE151	Crete silt loam, 1 to 3 percent slopes	0.113
Steele City	NE	Saline	814.717	814.746	0.029	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.029
Steele City	NE	Saline	814.746	814.810	0.064	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.064
Steele City	NE	Saline	814.810	814.920	0.110	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.110
Steele City	NE	Saline	814.920	815.030	0.110	NE151	Crete silt loam, 1 to 3 percent slopes	0.110
Steele City	NE	Saline	815.030	815.115	0.085	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.085
Steele City	NE	Saline	815.115	815.150	0.035	NE151	Burchard clay loam, 6 to 11 percent slopes	0.035
Steele City	NE	Saline	815.150	815.254	0.105	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.105
Steele City	NE	Saline	815.254	815.285	0.031	NE151	Burchard clay loam, 6 to 11 percent slopes	0.031
Steele City	NE	Saline	815.285	815.436	0.151	NE151	Burchard-Steinauer clay loams, 11 to 30 percent slopes	0.151
Steele City	NE	Saline	815.436	815.547	0.112	NE151	Malmo silty clay loam, 3 to 6 percent slopes, eroded	0.112
Steele City	NE	Saline	815.547	815.752	0.205	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.205
Steele City	NE	Saline	815.752	815.786	0.034	NE151	Crete silt loam, 1 to 3 percent slopes	0.034
Steele City	NE	Saline	815.786	815.854	0.068	NE151	Crete silt loam, 0 to 1 percent slopes	0.068
Steele City	NE	Saline	815.854	815.867	0.013	NE151	Crete silt loam, 1 to 3 percent slopes	0.013
Steele City	NE	Saline	815.867	816.168	0.301	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.301
Steele City	NE	Saline	816.168	816.230	0.062	NE151	Crete silt loam, 0 to 1 percent slopes	0.062
Steele City	NE	Saline	816.230	816.310	0.079	NE151	Crete silt loam, 1 to 3 percent slopes	0.079
Steele City	NE	Saline	816.310	816.332	0.023	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.023
Steele City	NE	Saline	816.332	816.460	0.128	NE151	Crete silt loam, 1 to 3 percent slopes	0.128
Steele City	NE	Saline	816.460	816.650	0.190	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.190
Steele City	NE	Saline	816.650	816.815	0.165	NE151	Crete silt loam, 1 to 3 percent slopes	0.165
Steele City	NE	Saline	816.815	816.862	0.047	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.047
Steele City	NE	Saline	816.862	817.052	0.190	NE151	Crete silt loam, 1 to 3 percent slopes	0.190
Steele City	NE	Saline	817.052	817.112	0.061	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.061
Steele City	NE	Saline	817.112	817.148	0.036	NE151	Crete silt loam, 0 to 1 percent slopes	0.036
Steele City	NE	Saline	817.148	817.177	0.029	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.029
Steele City	NE	Saline	817.177	817.247	0.070	NE151	Crete silt loam, 0 to 1 percent slopes	0.070
Steele City	NE	Saline	817.247	817.284	0.037	NE151	Butler silt loam, 0 to 1 percent slopes	0.037
Steele City	NE	Saline	817.284	817.454	0.170	NE151	Crete silt loam, 0 to 1 percent slopes	0.170
Steele City	NE	Saline	817.454	817.494	0.040	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.040
Steele City	NE	Saline	817.494	817.558	0.064	NE151	Longford silty clay loam, 6 to 11 percent slopes, eroded	0.064
Steele City	NE	Saline	817.558	817.674	0.116	NE151	Hastings silt loam, 3 to 6 percent slopes	0.116
Steele City	NE	Saline	817.674	817.707	0.033	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.033
Steele City	NE	Saline	817.707	817.779	0.072	NE151	Hastings silt loam, 3 to 6 percent slopes	0.072
Steele City	NE	Saline	817.779	817.891	0.111	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.111
Steele City	NE	Saline	817.891	817.963	0.072	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.072
Steele City	NE	Saline	817.963	818.023	0.060	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.060
Steele City	NE	Saline	818.023	818.075	0.052	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.052
Steele City	NE	Saline	818.075	818.135	0.060	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.060
Steele City	NE	Saline	818.135	818.259	0.124	NE151	Longford silty clay loam, 6 to 11 percent slopes, eroded	0.124

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	NE	Saline	818.259	818.391	0.131	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.131
Steele City	NE	Saline	818.391	818.446	0.056	NE151	Crete silt loam, 1 to 3 percent slopes	0.056
Steele City	NE	Saline	818.446	818.512	0.065	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.065
Steele City	NE	Saline	818.512	818.584	0.073	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.073
Steele City	NE	Saline	818.584	818.624	0.039	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.039
Steele City	NE	Saline	818.624	818.666	0.042	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.042
Steele City	NE	Saline	818.666	818.730	0.064	NE151	Malmo silty clay loam, 6 to 11 percent slopes, eroded	0.064
Steele City	NE	Saline	818.730	818.830	0.100	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.100
Steele City	NE	Saline	818.830	818.902	0.072	NE151	Malmo silty clay loam, 6 to 11 percent slopes, eroded	0.072
Steele City	NE	Saline	818.902	818.944	0.042	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.042
Steele City	NE	Saline	818.944	819.080	0.136	NE151	Crete silt loam, 0 to 1 percent slopes	0.136
Steele City	NE	Saline	819.080	819.115	0.035	NE151	Butler silt loam, 0 to 1 percent slopes	0.035
Steele City	NE	Saline	819.115	819.170	0.055	NE151	Crete silt loam, 0 to 1 percent slopes	0.055
Steele City	NE	Saline	819.170	819.333	0.163	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.163
Steele City	NE	Saline	819.333	819.412	0.080	NE151	Crete silt loam, 1 to 3 percent slopes	0.080
Steele City	NE	Saline	819.412	819.494	0.082	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.082
Steele City	NE	Saline	819.494	819.685	0.191	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.191
Steele City	NE	Saline	819.685	819.734	0.049	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.049
Steele City	NE	Saline	819.734	819.891	0.157	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.157
Steele City	NE	Saline	819.891	819.999	0.107	NE151	Malmo silty clay loam, 6 to 11 percent slopes, eroded	0.107
Steele City	NE	Saline	819.999	820.060	0.061	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.061
Steele City	NE	Saline	820.060	820.083	0.023	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.023
Steele City	NE	Saline	820.083	820.185	0.102	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.102
Steele City	NE	Saline	820.185	820.305	0.120	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.120
Steele City	NE	Saline	820.305	820.501	0.197	NE151	Crete silt loam, 1 to 3 percent slopes	0.197
Steele City	NE	Saline	820.501	820.716	0.215	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.215
Steele City	NE	Saline	820.716	820.768	0.052	NE151	Hastings silty clay loam, 6 to 11 percent slopes, eroded	0.052
Steele City	NE	Saline	820.768	820.858	0.090	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.090
Steele City	NE	Saline	820.858	820.862	0.004	NE151	Crete silt loam, 1 to 3 percent slopes	0.004
Steele City	NE	Saline	820.862	821.027	0.165	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.165
Steele City	NE	Saline	821.027	821.185	0.157	NE151	Longford silty clay loam, 6 to 11 percent slopes, eroded	0.157
Steele City	NE	Saline	821.185	821.243	0.058	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.058
Steele City	NE	Saline	821.243	821.412	0.169	NE151	Crete silt loam, 1 to 3 percent slopes	0.169
Steele City	NE	Saline	821.412	821.552	0.140	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.140
Steele City	NE	Saline	821.552	821.612	0.060	NE151	Crete silt loam, 1 to 3 percent slopes	0.060
Steele City	NE	Saline	821.612	821.665	0.052	NE151	Crete silt loam, 0 to 1 percent slopes	0.052
Steele City	NE	Saline	821.665	821.710	0.045	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.045
Steele City	NE	Saline	821.710	821.739	0.029	NE151	Crete silt loam, 1 to 3 percent slopes	0.029
Steele City	NE	Saline	821.739	821.809	0.070	NE151	Crete silt loam, 0 to 1 percent slopes	0.070
Steele City	NE	Saline	821.809	822.084	0.275	NE151	Crete silt loam, 1 to 3 percent slopes	0.275
Steele City	NE	Saline	822.084	822.333	0.250	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.250
Steele City	NE	Saline	822.333	822.404	0.071	NE151	Longford silty clay loam, 6 to 11 percent slopes, eroded	0.071
Steele City	NE	Saline	822.404	822.457	0.053	NE151	Hobbs silt loam, channeled	0.053
Steele City	NE	Saline	822.457	822.505	0.048	NE151	Geary silty clay loam, 11 to 30 percent slopes	0.048
Steele City	NE	Saline	822.505	822.595	0.090	NE151	Hobbs silt loam, channeled	0.089
Steele City	NE	Saline	822.595	822.645	0.051	NE151	Geary silty clay loam, 11 to 30 percent slopes	0.051
Steele City	NE	Saline	822.645	822.708	0.063	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.063
Steele City	NE	Saline	822.708	822.982	0.274	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.274
Steele City	NE	Saline	822.982	823.250	0.267	NE151	Crete silt loam, 1 to 3 percent slopes	0.267
Steele City	NE	Saline	823.250	823.461	0.211	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.211
Steele City	NE	Saline	823.461	823.511	0.050	NE151	Crete silt loam, 1 to 3 percent slopes	0.050
Steele City	NE	Saline	823.511	823.841	0.331	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.331
Steele City	NE	Saline	823.841	823.912	0.071	NE151	Longford silty clay loam, 3 to 6 percent slopes	0.071
Steele City	NE	Saline	823.912	823.960	0.047	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.047
Steele City	NE	Saline	823.960	824.000	0.040	NE151	Geary silty clay loam, 11 to 30 percent slopes	0.040
Steele City	NE	Saline	824.000	824.049	0.049	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.049
Steele City	NE	Saline	824.049	824.068	0.019	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.019
Steele City	NE	Saline	824.068	824.098	0.030	NE151	Crete silt loam, 1 to 3 percent slopes	0.030
Steele City	NE	Saline	824.098	824.138	0.040	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.040
Steele City	NE	Saline	824.138	824.167	0.030	NE151	Longford silty clay loam, 6 to 11 percent slopes, eroded	0.030
Steele City	NE	Saline	824.167	824.226	0.059	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.059
Steele City	NE	Saline	824.226	824.256	0.030	NE151	Crete silt loam, 1 to 3 percent slopes	0.030
Steele City	NE	Saline	824.256	824.350	0.094	NE151	Crete silty clay loam, 3 to 6 percent slopes, eroded	0.094
Steele City	NE	Saline	824.350	824.444	0.093	NE151	Muir silt loam, 1 to 3 percent slopes	0.093
Steele City	NE	Saline	824.444	824.545	0.101	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.101
Steele City	NE	Saline	824.545	824.681	0.136	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.136
Steele City	NE	Saline	824.681	824.737	0.056	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.056
Steele City	NE	Saline	824.737	824.814	0.077	NE151	Hastings silty clay loam, 3 to 6 percent slopes, eroded	0.077
Steele City	NE	Saline	824.814	824.910	0.096	NE151	Deroin silty clay loam, 6 to 11 percent slopes, eroded	0.096
Steele City	NE	Saline	824.910	824.960	0.050	NE151	Longford silty clay loam, 3 to 6 percent slopes, eroded	0.050
Steele City	NE	Jefferson	824.960	824.985	0.024	NE095	Geary silty clay loam, 3 to 7 percent slopes, eroded	0.024
Steele City	NE	Jefferson	824.985	825.214	0.230	NE095	Kennebec silt loam, rarely flooded, cool	0.230
Steele City	NE	Jefferson	825.214	825.231	0.017	NE095	Nodaway silt loam, channeled, occasionally flooded	0.017

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	NE	Jefferson	825.231	825.265	0.034	NE095	Nodaway silt loam, occasionally flooded	0.034
Steele City	NE	Jefferson	825.265	825.321	0.056	NE095	Kennebec silt loam, rarely flooded, cool	0.056
Steele City	NE	Jefferson	825.321	825.452	0.130	NE095	Judson silt loam, 2 to 5 percent slopes	0.130
Steele City	NE	Jefferson	825.452	825.655	0.204	NE095	Geary and Jansen soils, 5 to 11 percent slopes, severely eroded	0.204
Steele City	NE	Jefferson	825.655	825.714	0.059	NE095	Morrill clay loam, 7 to 11 percent slopes	0.059
Steele City	NE	Jefferson	825.714	825.795	0.081	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.081
Steele City	NE	Jefferson	825.795	825.834	0.039	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.039
Steele City	NE	Jefferson	825.834	825.987	0.153	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.153
Steele City	NE	Jefferson	825.987	826.020	0.034	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.034
Steele City	NE	Jefferson	826.020	826.118	0.097	NE095	Morrill clay loam, 11 to 30 percent slopes	0.097
Steele City	NE	Jefferson	826.118	826.179	0.061	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.061
Steele City	NE	Jefferson	826.179	826.213	0.034	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.034
Steele City	NE	Jefferson	826.213	826.403	0.190	NE095	Crete silt loam, 0 to 1 percent slopes	0.190
Steele City	NE	Jefferson	826.403	826.425	0.022	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.022
Steele City	NE	Jefferson	826.425	826.486	0.061	NE095	Crete silt loam, 0 to 1 percent slopes	0.061
Steele City	NE	Jefferson	826.486	826.592	0.105	NE095	Crete silt loam, 1 to 3 percent slopes	0.104
Steele City	NE	Jefferson	826.592	826.672	0.080	NE095	Crete silt loam, 0 to 1 percent slopes	0.080
Steele City	NE	Jefferson	826.672	826.890	0.219	NE095	Crete silt loam, 1 to 3 percent slopes	0.216
Steele City	NE	Jefferson	826.890	826.969	0.079	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.079
Steele City	NE	Jefferson	826.969	827.106	0.137	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.137
Steele City	NE	Jefferson	827.106	827.159	0.053	NE095	Morrill clay loam, 11 to 30 percent slopes	0.053
Steele City	NE	Jefferson	827.159	827.209	0.049	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.049
Steele City	NE	Jefferson	827.209	827.332	0.123	NE095	Morrill clay loam, 11 to 30 percent slopes	0.123
Steele City	NE	Jefferson	827.332	827.370	0.038	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.038
Steele City	NE	Jefferson	827.370	827.473	0.103	NE095	Morrill clay loam, 11 to 30 percent slopes	0.103
Steele City	NE	Jefferson	827.473	827.535	0.063	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.063
Steele City	NE	Jefferson	827.535	827.584	0.049	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.049
Steele City	NE	Jefferson	827.584	827.673	0.089	NE095	Crete silt loam, 1 to 3 percent slopes	0.088
Steele City	NE	Jefferson	827.673	827.772	0.098	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.098
Steele City	NE	Jefferson	827.772	827.824	0.052	NE095	Hastings silty clay loam, 3 to 11 percent slopes, severely eroded	0.052
Steele City	NE	Jefferson	827.824	827.869	0.045	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.045
Steele City	NE	Jefferson	827.869	828.004	0.134	NE095	Crete silt loam, 1 to 3 percent slopes	0.133
Steele City	NE	Jefferson	828.004	828.102	0.098	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.098
Steele City	NE	Jefferson	828.102	828.180	0.078	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.078
Steele City	NE	Jefferson	828.180	828.196	0.016	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.016
Steele City	NE	Jefferson	828.196	828.363	0.167	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.167
Steele City	NE	Jefferson	828.363	828.460	0.097	NE095	Nodaway silt loam, channeled, occasionally flooded	0.097
Steele City	NE	Jefferson	828.460	828.511	0.052	NE095	Judson silt loam, 2 to 5 percent slopes	0.052
Steele City	NE	Jefferson	828.511	828.564	0.053	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.053
Steele City	NE	Jefferson	828.564	828.709	0.145	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.145
Steele City	NE	Jefferson	828.709	828.767	0.058	NE095	Burchard clay loam, 11 to 30 percent slopes	0.058
Steele City	NE	Jefferson	828.767	828.801	0.033	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.033
Steele City	NE	Jefferson	828.801	828.969	0.169	NE095	Burchard clay loam, 11 to 30 percent slopes	0.169
Steele City	NE	Jefferson	828.969	829.006	0.037	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.037
Steele City	NE	Jefferson	829.006	829.083	0.077	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.077
Steele City	NE	Jefferson	829.083	829.311	0.228	NE095	Crete silt loam, 0 to 1 percent slopes	0.228
Steele City	NE	Jefferson	829.311	829.349	0.038	NE095	Crete silt loam, 1 to 3 percent slopes	0.038
Steele City	NE	Jefferson	829.349	829.432	0.083	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.083
Steele City	NE	Jefferson	829.432	829.503	0.072	NE095	Crete silt loam, 1 to 3 percent slopes	0.071
Steele City	NE	Jefferson	829.503	829.593	0.090	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.090
Steele City	NE	Jefferson	829.593	829.657	0.064	NE095	Crete silt loam, 1 to 3 percent slopes	0.063
Steele City	NE	Jefferson	829.657	829.725	0.068	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.068
Steele City	NE	Jefferson	829.725	829.770	0.045	NE095	Crete silt loam, 1 to 3 percent slopes	0.044
Steele City	NE	Jefferson	829.770	830.109	0.339	NE095	Crete silt loam, 0 to 1 percent slopes	0.339
Steele City	NE	Jefferson	830.109	830.249	0.140	NE095	Crete silt loam, 1 to 3 percent slopes	0.139
Steele City	NE	Jefferson	830.249	830.320	0.071	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.071
Steele City	NE	Jefferson	830.320	830.504	0.183	NE095	Crete silt loam, 1 to 3 percent slopes	0.182
Steele City	NE	Jefferson	830.504	830.563	0.059	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.059
Steele City	NE	Jefferson	830.563	830.599	0.036	NE095	Crete silt loam, 1 to 3 percent slopes	0.035
Steele City	NE	Jefferson	830.599	830.687	0.088	NE095	Crete silt loam, 0 to 1 percent slopes	0.088
Steele City	NE	Jefferson	830.687	830.738	0.051	NE095	Butler silt loam	0.051
Steele City	NE	Jefferson	830.738	830.976	0.238	NE095	Crete silt loam, 0 to 1 percent slopes	0.238
Steele City	NE	Jefferson	830.976	831.122	0.146	NE095	Crete silt loam, 1 to 3 percent slopes	0.144
Steele City	NE	Jefferson	831.122	831.160	0.038	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.038
Steele City	NE	Jefferson	831.160	831.226	0.066	NE095	Crete silt loam, 1 to 3 percent slopes	0.066
Steele City	NE	Jefferson	831.226	831.317	0.091	NE095	Crete silt loam, 0 to 1 percent slopes	0.091
Steele City	NE	Jefferson	831.317	831.412	0.095	NE095	Crete silt loam, 1 to 3 percent slopes	0.094
Steele City	NE	Jefferson	831.412	831.467	0.055	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.055
Steele City	NE	Jefferson	831.467	831.598	0.132	NE095	Crete silt loam, 1 to 3 percent slopes	0.130
Steele City	NE	Jefferson	831.598	831.661	0.063	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.063
Steele City	NE	Jefferson	831.661	831.723	0.062	NE095	Mayberry silty clay loam, 7 to 11 percent slopes	0.062

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	NE	Jefferson	831.723	831.798	0.075	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.075
Steele City	NE	Jefferson	831.798	831.872	0.074	NE095	Crete silt loam, 1 to 3 percent slopes	0.073
Steele City	NE	Jefferson	831.872	832.104	0.232	NE095	Crete silt loam, 0 to 1 percent slopes	0.232
Steele City	NE	Jefferson	832.104	832.157	0.053	NE095	Crete silt loam, 1 to 3 percent slopes	0.053
Steele City	NE	Jefferson	832.157	832.167	0.010	NE095	Mayberry silty clay loam, 7 to 11 percent slopes	0.010
Steele City	NE	Jefferson	832.167	832.196	0.028	NE095	Crete silt loam, 1 to 3 percent slopes	0.028
Steele City	NE	Jefferson	832.196	832.324	0.128	NE095	Crete silt loam, 0 to 1 percent slopes	0.128
Steele City	NE	Jefferson	832.324	832.338	0.014	NE095	Crete silt loam, 1 to 3 percent slopes	0.014
Steele City	NE	Jefferson	832.338	832.526	0.188	NE095	Crete silt loam, 0 to 1 percent slopes	0.188
Steele City	NE	Jefferson	832.526	832.572	0.046	NE095	Crete silt loam, 1 to 3 percent slopes	0.046
Steele City	NE	Jefferson	832.572	832.631	0.059	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.059
Steele City	NE	Jefferson	832.631	832.778	0.146	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.146
Steele City	NE	Jefferson	832.778	832.850	0.072	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.072
Steele City	NE	Jefferson	832.850	832.896	0.046	NE095	Nodaway silt loam, occasionally flooded	0.046
Steele City	NE	Jefferson	832.896	832.915	0.019	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.019
Steele City	NE	Jefferson	832.915	832.962	0.047	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.047
Steele City	NE	Jefferson	832.962	833.006	0.044	NE095	Crete silt loam, 1 to 3 percent slopes	0.043
Steele City	NE	Jefferson	833.006	833.102	0.096	NE095	Crete silt loam, 0 to 1 percent slopes	0.096
Steele City	NE	Jefferson	833.102	833.393	0.291	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.291
Steele City	NE	Jefferson	833.393	833.502	0.109	NE095	Crete silt loam, 1 to 3 percent slopes	0.108
Steele City	NE	Jefferson	833.502	833.561	0.059	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.059
Steele City	NE	Jefferson	833.561	833.706	0.144	NE095	Crete silt loam, 1 to 3 percent slopes	0.143
Steele City	NE	Jefferson	833.706	833.839	0.134	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.134
Steele City	NE	Jefferson	833.839	833.887	0.048	NE095	Morrill clay loam, 3 to 7 percent slopes, eroded	0.048
Steele City	NE	Jefferson	833.887	833.934	0.047	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.047
Steele City	NE	Jefferson	833.934	833.964	0.030	NE095	Judson silt loam, 2 to 5 percent slopes	0.030
Steele City	NE	Jefferson	833.964	834.226	0.262	NE095	Kennebec silt loam, rarely flooded, cool	0.262
Steele City	NE	Jefferson	834.226	834.241	0.015	NE095	Nodaway silt loam, occasionally flooded	0.015
Steele City	NE	Jefferson	834.241	834.260	0.019	NE095	Nodaway silt loam, channeled, occasionally flooded	0.019
Steele City	NE	Jefferson	834.260	834.275	0.015	NE095	Nodaway silt loam, occasionally flooded	0.015
Steele City	NE	Jefferson	834.275	834.325	0.050	NE095	Kennebec silt loam, rarely flooded, cool	0.050
Steele City	NE	Jefferson	834.325	834.487	0.163	NE095	Malcolm silt loam, 7 to 11 percent slopes, eroded	0.163
Steele City	NE	Jefferson	834.487	834.530	0.043	NE095	Burchard clay loam, 3 to 7 percent slopes	0.043
Steele City	NE	Jefferson	834.530	834.580	0.050	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.050
Steele City	NE	Jefferson	834.580	834.626	0.046	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.046
Steele City	NE	Jefferson	834.626	834.672	0.046	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.046
Steele City	NE	Jefferson	834.672	834.875	0.203	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.203
Steele City	NE	Jefferson	834.875	834.938	0.063	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.063
Steele City	NE	Jefferson	834.938	834.994	0.056	NE095	Judson silt loam, 2 to 5 percent slopes	0.056
Steele City	NE	Jefferson	834.994	835.125	0.131	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.131
Steele City	NE	Jefferson	835.125	835.171	0.046	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.046
Steele City	NE	Jefferson	835.171	835.245	0.074	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.074
Steele City	NE	Jefferson	835.245	835.460	0.215	NE095	Nodaway silt loam, occasionally flooded	0.215
Steele City	NE	Jefferson	835.460	835.464	0.005	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.005
Steele City	NE	Jefferson	835.464	835.592	0.128	NE095	Burchard clay loam, 3 to 7 percent slopes	0.128
Steele City	NE	Jefferson	835.592	835.878	0.285	NE095	Nodaway silt loam, occasionally flooded	0.285
Steele City	NE	Jefferson	835.878	835.940	0.062	NE095	Nodaway silt loam, channeled, occasionally flooded	0.062
Steele City	NE	Jefferson	835.940	835.976	0.036	NE095	Malcolm silt loam, 7 to 11 percent slopes, eroded	0.036
Steele City	NE	Jefferson	835.976	836.050	0.074	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.074
Steele City	NE	Jefferson	836.050	836.087	0.037	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.037
Steele City	NE	Jefferson	836.087	836.130	0.043	NE095	Crete silt loam, 1 to 3 percent slopes	0.043
Steele City	NE	Jefferson	836.130	836.160	0.029	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.029
Steele City	NE	Jefferson	836.160	836.311	0.152	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.152
Steele City	NE	Jefferson	836.311	836.376	0.065	NE095	Burchard clay loam, 7 to 11 percent slopes, severely eroded	0.065
Steele City	NE	Jefferson	836.376	836.399	0.023	NE095	Nodaway silt loam, occasionally flooded	0.023
Steele City	NE	Jefferson	836.399	836.421	0.023	NE095	Nodaway silt loam, channeled, occasionally flooded	0.023
Steele City	NE	Jefferson	836.421	836.482	0.060	NE095	Nodaway silt loam, occasionally flooded	0.060
Steele City	NE	Jefferson	836.482	836.501	0.019	NE095	Nodaway silt loam, channeled, occasionally flooded	0.019
Steele City	NE	Jefferson	836.501	836.517	0.016	NE095	Nodaway silt loam, occasionally flooded	0.016
Steele City	NE	Jefferson	836.517	836.579	0.061	NE095	Burchard clay loam, 7 to 11 percent slopes, severely eroded	0.061
Steele City	NE	Jefferson	836.579	836.710	0.131	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.131
Steele City	NE	Jefferson	836.710	836.729	0.020	NE095	Burchard clay loam, 7 to 11 percent slopes, severely eroded	0.020
Steele City	NE	Jefferson	836.729	836.790	0.060	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.060
Steele City	NE	Jefferson	836.790	837.014	0.225	NE095	Burchard clay loam, 7 to 11 percent slopes, severely eroded	0.225
Steele City	NE	Jefferson	837.014	837.086	0.072	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.072
Steele City	NE	Jefferson	837.086	837.211	0.125	NE095	Crete silt loam, 1 to 3 percent slopes	0.124
Steele City	NE	Jefferson	837.211	837.316	0.104	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.104
Steele City	NE	Jefferson	837.316	837.448	0.133	NE095	Crete silt loam, 0 to 1 percent slopes	0.133
Steele City	NE	Jefferson	837.448	837.502	0.053	NE095	Butler silt loam	0.053

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	NE	Jefferson	837.502	837.552	0.050	NE095	Crete silt loam, 1 to 3 percent slopes	0.049
Steele City	NE	Jefferson	837.552	837.619	0.067	NE095	Burchard clay loam, 11 to 30 percent slopes	0.067
Steele City	NE	Jefferson	837.619	837.672	0.053	NE095	Crete silt loam, 0 to 1 percent slopes	0.053
Steele City	NE	Jefferson	837.672	837.791	0.119	NE095	Burchard clay loam, 11 to 30 percent slopes	0.119
Steele City	NE	Jefferson	837.791	837.848	0.057	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.057
Steele City	NE	Jefferson	837.848	837.966	0.118	NE095	Crete silt loam, 1 to 3 percent slopes	0.117
Steele City	NE	Jefferson	837.966	838.241	0.275	NE095	Crete silt loam, 0 to 1 percent slopes	0.275
Steele City	NE	Jefferson	838.241	838.334	0.093	NE095	Crete silt loam, 1 to 3 percent slopes	0.092
Steele City	NE	Jefferson	838.334	838.736	0.402	NE095	Crete silt loam, 0 to 1 percent slopes	0.402
Steele City	NE	Jefferson	838.736	838.803	0.067	NE095	Crete silt loam, 1 to 3 percent slopes	0.067
Steele City	NE	Jefferson	838.803	838.919	0.116	NE095	Crete silt loam, 0 to 1 percent slopes	0.116
Steele City	NE	Jefferson	838.919	838.981	0.062	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.062
Steele City	NE	Jefferson	838.981	839.184	0.203	NE095	Crete silt loam, 0 to 1 percent slopes	0.203
Steele City	NE	Jefferson	839.184	839.317	0.133	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.133
Steele City	NE	Jefferson	839.317	839.351	0.034	NE095	Crete silt loam, 1 to 3 percent slopes	0.033
Steele City	NE	Jefferson	839.351	839.429	0.078	NE095	Crete silt loam, 0 to 1 percent slopes	0.078
Steele City	NE	Jefferson	839.429	839.511	0.082	NE095	Crete silt loam, 1 to 3 percent slopes	0.081
Steele City	NE	Jefferson	839.511	839.593	0.082	NE095	Burchard clay loam, 7 to 11 percent slopes	0.082
Steele City	NE	Jefferson	839.593	839.716	0.123	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.123
Steele City	NE	Jefferson	839.716	839.786	0.070	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.070
Steele City	NE	Jefferson	839.786	839.908	0.122	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.122
Steele City	NE	Jefferson	839.908	840.011	0.102	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.102
Steele City	NE	Jefferson	840.011	840.065	0.054	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.054
Steele City	NE	Jefferson	840.065	840.131	0.066	NE095	Crete silt loam, 1 to 3 percent slopes	0.066
Steele City	NE	Jefferson	840.131	840.347	0.216	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.216
Steele City	NE	Jefferson	840.347	840.383	0.036	NE095	Crete silt loam, 1 to 3 percent slopes	0.036
Steele City	NE	Jefferson	840.383	840.474	0.090	NE095	Crete silt loam, 0 to 1 percent slopes	0.090
Steele City	NE	Jefferson	840.474	840.503	0.029	NE095	Crete silt loam, 1 to 3 percent slopes	0.028
Steele City	NE	Jefferson	840.503	840.602	0.099	NE095	Crete silt loam, 0 to 1 percent slopes	0.099
Steele City	NE	Jefferson	840.602	840.624	0.022	NE095	Crete silt loam, 1 to 3 percent slopes	0.022
Steele City	NE	Jefferson	840.624	840.642	0.018	NE095	Hastings silty clay loam, 3 to 11 percent slopes, severely eroded	0.018
Steele City	NE	Jefferson	840.642	840.691	0.049	NE095	Crete silt loam, 1 to 3 percent slopes	0.049
Steele City	NE	Jefferson	840.691	840.726	0.035	NE095	Crete silt loam, 0 to 1 percent slopes	0.035
Steele City	NE	Jefferson	840.726	840.771	0.044	NE095	Crete silt loam, 1 to 3 percent slopes	0.044
Steele City	NE	Jefferson	840.771	840.813	0.042	NE095	Hastings silty clay loam, 3 to 11 percent slopes, severely eroded	0.042
Steele City	NE	Jefferson	840.813	840.916	0.104	NE095	Crete silt loam, 1 to 3 percent slopes	0.103
Steele City	NE	Jefferson	840.916	840.996	0.079	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.079
Steele City	NE	Jefferson	840.996	841.063	0.067	NE095	Crete silt loam, 1 to 3 percent slopes	0.067
Steele City	NE	Jefferson	841.063	841.176	0.113	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.113
Steele City	NE	Jefferson	841.176	841.389	0.213	NE095	Crete silt loam, 1 to 3 percent slopes	0.211
Steele City	NE	Jefferson	841.389	841.480	0.091	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.091
Steele City	NE	Jefferson	841.480	841.670	0.190	NE095	Crete silt loam, 1 to 3 percent slopes	0.188
Steele City	NE	Jefferson	841.670	841.887	0.217	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.217
Steele City	NE	Jefferson	841.887	841.956	0.068	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.068
Steele City	NE	Jefferson	841.956	842.017	0.061	NE095	Nodaway silt loam, occasionally flooded	0.061
Steele City	NE	Jefferson	842.017	842.056	0.039	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.039
Steele City	NE	Jefferson	842.056	842.180	0.123	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.123
Steele City	NE	Jefferson	842.180	842.217	0.037	NE095	Hastings silty clay loam, 3 to 11 percent slopes, severely eroded	0.037
Steele City	NE	Jefferson	842.217	842.240	0.023	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.023
Steele City	NE	Jefferson	842.240	842.325	0.085	NE095	Crete silt loam, 1 to 3 percent slopes	0.084
Steele City	NE	Jefferson	842.325	842.487	0.161	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.161
Steele City	NE	Jefferson	842.487	842.663	0.176	NE095	Morrill clay loam, 11 to 30 percent slopes	0.176
Steele City	NE	Jefferson	842.663	842.778	0.115	NE095	Crete silt loam, 1 to 3 percent slopes	0.114
Steele City	NE	Jefferson	842.778	843.103	0.325	NE095	Crete silt loam, 0 to 1 percent slopes	0.325
Steele City	NE	Jefferson	843.103	843.351	0.249	NE095	Crete silt loam, 1 to 3 percent slopes	0.246
Steele City	NE	Jefferson	843.351	843.481	0.130	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.130
Steele City	NE	Jefferson	843.481	843.520	0.039	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.039
Steele City	NE	Jefferson	843.520	843.763	0.243	NE095	Nodaway silt loam, occasionally flooded	0.243
Steele City	NE	Jefferson	843.763	843.873	0.110	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.110
Steele City	NE	Jefferson	843.873	843.898	0.025	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.025
Steele City	NE	Jefferson	843.898	843.922	0.024	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.024
Steele City	NE	Jefferson	843.922	844.011	0.090	NE095	Nodaway silt loam, occasionally flooded	0.090
Steele City	NE	Jefferson	844.011	844.059	0.048	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.048
Steele City	NE	Jefferson	844.059	844.266	0.207	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.207
Steele City	NE	Jefferson	844.266	844.335	0.069	NE095	Crete silt loam, 1 to 3 percent slopes	0.069
Steele City	NE	Jefferson	844.335	844.940	0.605	NE095	Crete silt loam, 0 to 1 percent slopes	0.605
Steele City	NE	Jefferson	844.940	844.991	0.051	NE095	Crete silt loam, 1 to 3 percent slopes	0.051
Steele City	NE	Jefferson	844.991	845.208	0.217	NE095	Crete silt loam, 0 to 1 percent slopes	0.217
Steele City	NE	Jefferson	845.208	845.476	0.268	NE095	Crete silt loam, 1 to 3 percent slopes	0.266
Steele City	NE	Jefferson	845.476	845.585	0.109	NE095	Crete silt loam, 0 to 1 percent slopes	0.109

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Steele City	NE	Jefferson	845.585	845.639	0.053	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.053
Steele City	NE	Jefferson	845.639	845.694	0.056	NE095	Hastings silty clay loam, 3 to 11 percent slopes, severely eroded	0.056
Steele City	NE	Jefferson	845.694	845.755	0.060	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.060
Steele City	NE	Jefferson	845.755	845.841	0.086	NE095	Crete silt loam, 0 to 1 percent slopes	0.086
Steele City	NE	Jefferson	845.841	846.091	0.250	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.250
Steele City	NE	Jefferson	846.091	846.266	0.175	NE095	Nodaway silt loam, occasionally flooded	0.175
Steele City	NE	Jefferson	846.266	846.328	0.062	NE095	Nodaway silt loam, channeled, occasionally flooded	0.062
Steele City	NE	Jefferson	846.328	846.447	0.119	NE095	Nodaway silt loam, occasionally flooded	0.119
Steele City	NE	Jefferson	846.447	846.518	0.071	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.071
Steele City	NE	Jefferson	846.518	846.608	0.090	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.090
Steele City	NE	Jefferson	846.608	846.675	0.067	NE095	Crete silt loam, 1 to 3 percent slopes	0.066
Steele City	NE	Jefferson	846.675	846.756	0.081	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.081
Steele City	NE	Jefferson	846.756	846.826	0.070	NE095	Malmo clay, 3 to 11 percent slopes, eroded	0.070
Steele City	NE	Jefferson	846.826	846.899	0.073	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.073
Steele City	NE	Jefferson	846.899	846.995	0.096	NE095	Crete silt loam, 1 to 3 percent slopes	0.095
Steele City	NE	Jefferson	846.995	847.072	0.076	NE095	Crete silt loam, 0 to 1 percent slopes	0.076
Steele City	NE	Jefferson	847.072	847.192	0.121	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.121
Steele City	NE	Jefferson	847.192	847.272	0.080	NE095	Crete silt loam, 1 to 3 percent slopes	0.079
Steele City	NE	Jefferson	847.272	847.325	0.052	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.052
Steele City	NE	Jefferson	847.325	847.488	0.163	NE095	Morrill clay loam, 11 to 30 percent slopes	0.163
Steele City	NE	Jefferson	847.488	847.577	0.089	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.089
Steele City	NE	Jefferson	847.577	847.648	0.071	NE095	Morrill clay loam, 11 to 30 percent slopes	0.071
Steele City	NE	Jefferson	847.648	847.866	0.217	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.217
Steele City	NE	Jefferson	847.866	847.939	0.073	NE095	Hastings silty clay loam, 3 to 11 percent slopes, severely eroded	0.073
Steele City	NE	Jefferson	847.939	848.006	0.067	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.067
Steele City	NE	Jefferson	848.006	848.131	0.125	NE095	Crete silt loam, 1 to 3 percent slopes	0.124
Steele City	NE	Jefferson	848.131	848.485	0.354	NE095	Crete silt loam, 0 to 1 percent slopes	0.354
Steele City	NE	Jefferson	848.485	848.603	0.118	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.118
Steele City	NE	Jefferson	848.603	848.649	0.045	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.045
Steele City	NE	Jefferson	848.659	848.745	0.086	NE095	Mayberry silty clay loam, 3 to 7 percent slopes, eroded	0.086
Steele City	NE	Jefferson	848.844	849.034	0.190	NE095	Mayberry silty clay loam, 7 to 11 percent slopes	0.190
Steele City	NE	Jefferson	849.034	849.165	0.131	NE095	Lancaster and Edalgo soils, 11 to 30 percent slopes	0.131
Steele City	NE	Jefferson	849.165	849.196	0.031	NE095	Edalgo silty clay loam, 7 to 11 percent slopes	0.031
Steele City	NE	Jefferson	849.196	849.222	0.026	NE095	Lancaster and Edalgo soils, 11 to 30 percent slopes	0.026
Steele City	NE	Jefferson	849.351	849.407	0.056	NE095	Edalgo silty clay loam, 7 to 11 percent slopes	0.056
Steele City	NE	Jefferson	849.407	849.425	0.017	NE095	Lancaster and Edalgo soils, 11 to 30 percent slopes	0.017
Steele City	NE	Jefferson	849.506	849.619	0.113	NE095	Lancaster and Edalgo soils, 11 to 30 percent slopes	0.113
Steele City	NE	Jefferson	849.619	849.724	0.106	NE095	Lancaster loam, 7 to 11 percent slopes	0.106
Steele City	NE	Jefferson	849.724	850.215	0.491	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.491
Steele City	NE	Jefferson	850.215	850.289	0.074	NE095	Geary and Jansen soils, 5 to 11 percent slopes, severely eroded	0.074
Steele City	NE	Jefferson	850.289	850.545	0.255	NE095	Geary and Jansen soils, 5 to 11 percent slopes	0.255
Steele City	NE	Jefferson	850.545	850.655	0.110	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.110
Steele City	NE	Jefferson	850.655	850.681	0.027	NE095	Geary and Jansen soils, 5 to 11 percent slopes	0.027
Steele City	NE	Jefferson	850.681	850.726	0.045	NE095	Crete silty clay loam, 3 to 7 percent slopes, eroded	0.045
GULF COAST SEGMENT								
Gulf Coast	OK	Lincoln	0.000	0.038	0.0385	OK081	Seminole loam, 1 to 3 percent slopes	0.038
Gulf Coast	OK	Lincoln	0.038	0.098	0.0590	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.059
Gulf Coast	OK	Lincoln	0.098	0.231	0.1333	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.087
Gulf Coast	OK	Lincoln	0.231	0.416	0.1854	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.185
Gulf Coast	OK	Lincoln	0.416	0.476	0.0596	OK081	Seminole loam, 3 to 5 percent slopes	0.060
Gulf Coast	OK	Lincoln	0.476	0.633	0.1575	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.157
Gulf Coast	OK	Lincoln	0.633	0.930	0.2971	OK081	Seminole loam, 3 to 5 percent slopes	0.297
Gulf Coast	OK	Lincoln	0.930	1.015	0.0843	OK081	Teller loam, 3 to 5 percent slopes, eroded	0.084
Gulf Coast	OK	Lincoln	1.015	1.039	0.0245	OK081	Easpur loam, 0 to 1 percent slopes, occasionally flooded	0.001
Gulf Coast	OK	Lincoln	1.039	1.115	0.0758	OK081	Teller loam, 3 to 5 percent slopes, eroded	0.076
Gulf Coast	OK	Lincoln	1.115	1.295	0.1795	OK081	Easpur loam, 0 to 1 percent slopes, occasionally flooded	0.009
Gulf Coast	OK	Lincoln	1.295	1.422	0.1271	OK081	Ashport, Port, and Pulaski soils, 0 to 1 percent slopes, frequently	0.086
Gulf Coast	OK	Lincoln	1.422	1.730	0.3084	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.200
Gulf Coast	OK	Lincoln	1.730	1.866	0.1363	OK081	Stephenville fine sandy loam, 1 to 3 percent slopes	0.129
Gulf Coast	OK	Lincoln	1.866	2.026	0.1600	OK081	Renthin silty clay loam, 3 to 5 percent slopes, eroded	0.160
Gulf Coast	OK	Lincoln	2.026	2.214	0.1875	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.187
Gulf Coast	OK	Lincoln	2.214	2.431	0.2174	OK081	Zaneis loam, 3 to 5 percent slopes	0.217
Gulf Coast	OK	Lincoln	2.431	2.529	0.0978	OK081	Lawrie silt loam, 0 to 1 percent slopes, rarely flooded	0.093
Gulf Coast	OK	Lincoln	2.529	2.585	0.0560	OK081	Ashport, Port, and Pulaski soils, 0 to 1 percent slopes, frequently	0.038
Gulf Coast	OK	Lincoln	2.585	2.648	0.0631	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.025
Gulf Coast	OK	Lincoln	2.648	2.735	0.0864	OK081	Stephenville fine sandy loam, 3 to 5 percent slopes	0.082
Gulf Coast	OK	Lincoln	2.735	2.853	0.1187	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.119
Gulf Coast	OK	Lincoln	2.853	2.986	0.1329	OK081	Seminole loam, 1 to 3 percent slopes	0.133
Gulf Coast	OK	Lincoln	2.986	3.036	0.0498	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.050
Gulf Coast	OK	Lincoln	3.036	3.154	0.1176	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.118

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	OK	Lincoln	3.154	3.262	0.1086	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.071
Gulf Coast	OK	Lincoln	3.262	3.333	0.0703	OK081	Lawrie silt loam, 0 to 1 percent slopes, rarely flooded	0.067
Gulf Coast	OK	Lincoln	3.333	3.387	0.0546	OK081	Ashport, Port, and Pulaski soils, 0 to 1 percent slopes, frequentl	0.037
Gulf Coast	OK	Lincoln	3.387	3.404	0.0166	OK081	Lawrie silt loam, 0 to 1 percent slopes, rarely flooded	0.016
Gulf Coast	OK	Lincoln	3.404	3.456	0.0518	OK081	Ashport, Port, and Pulaski soils, 0 to 1 percent slopes, frequentl	0.035
Gulf Coast	OK	Lincoln	3.456	3.599	0.1436	OK081	Lawrie silt loam, 0 to 1 percent slopes, rarely flooded	0.136
Gulf Coast	OK	Lincoln	3.599	3.712	0.1132	OK081	Seminole loam, 3 to 5 percent slopes	0.113
Gulf Coast	OK	Lincoln	3.712	3.742	0.0298	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.012
Gulf Coast	OK	Lincoln	3.742	3.970	0.2274	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.148
Gulf Coast	OK	Lincoln	3.970	4.103	0.1336	OK081	Coyle loam, 3 to 5 percent slopes	0.134
Gulf Coast	OK	Lincoln	4.103	4.552	0.4487	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.292
Gulf Coast	OK	Lincoln	4.552	4.630	0.0785	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.031
Gulf Coast	OK	Lincoln	4.630	5.064	0.4333	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.282
Gulf Coast	OK	Lincoln	5.064	5.130	0.0667	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.027
Gulf Coast	OK	Lincoln	5.130	5.131	0.0005	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000
Gulf Coast	OK	Lincoln	5.131	5.366	0.2346	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.235
Gulf Coast	OK	Lincoln	5.366	5.452	0.0862	OK081	Seminole loam, 3 to 5 percent slopes	0.086
Gulf Coast	OK	Lincoln	5.452	5.494	0.0426	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.028
Gulf Coast	OK	Lincoln	5.494	5.648	0.1537	OK081	Seminole loam, 3 to 5 percent slopes	0.154
Gulf Coast	OK	Lincoln	5.648	5.761	0.1132	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.074
Gulf Coast	OK	Lincoln	5.761	5.816	0.0551	OK081	Seminole loam, 3 to 5 percent slopes	0.055
Gulf Coast	OK	Lincoln	5.816	5.855	0.0386	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.025
Gulf Coast	OK	Lincoln	5.855	5.911	0.0564	OK081	Seminole loam, 3 to 5 percent slopes	0.056
Gulf Coast	OK	Lincoln	5.911	6.198	0.2867	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.287
Gulf Coast	OK	Lincoln	6.198	6.482	0.2837	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.284
Gulf Coast	OK	Lincoln	6.482	6.532	0.0508	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.033
Gulf Coast	OK	Lincoln	6.532	6.713	0.1804	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.180
Gulf Coast	OK	Lincoln	6.713	6.865	0.1524	OK081	Seminole loam, 3 to 5 percent slopes	0.152
Gulf Coast	OK	Lincoln	6.865	6.909	0.0441	OK081	Seminole loam, 1 to 3 percent slopes	0.044
Gulf Coast	OK	Lincoln	6.909	6.944	0.0348	OK081	Seminole loam, 3 to 5 percent slopes	0.035
Gulf Coast	OK	Lincoln	6.944	7.674	0.7301	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.475
Gulf Coast	OK	Lincoln	7.674	7.727	0.0526	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.053
Gulf Coast	OK	Lincoln	7.727	7.862	0.1347	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.135
Gulf Coast	OK	Lincoln	7.862	7.921	0.0598	OK081	Lawrie silt loam, 0 to 1 percent slopes, rarely flooded	0.057
Gulf Coast	OK	Lincoln	7.921	7.951	0.0298	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.019
Gulf Coast	OK	Lincoln	7.951	7.973	0.0219	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.009
Gulf Coast	OK	Lincoln	7.973	8.022	0.0486	OK081	Coyle loam, 3 to 5 percent slopes	0.049
Gulf Coast	OK	Lincoln	8.022	8.111	0.0892	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.036
Gulf Coast	OK	Lincoln	8.111	8.222	0.1113	OK081	Coyle loam, 3 to 5 percent slopes	0.111
Gulf Coast	OK	Lincoln	8.222	8.335	0.1125	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.112
Gulf Coast	OK	Lincoln	8.335	8.387	0.0523	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.021
Gulf Coast	OK	Lincoln	8.387	8.456	0.0695	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.069
Gulf Coast	OK	Lincoln	8.456	8.532	0.0751	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.030
Gulf Coast	OK	Lincoln	8.532	8.731	0.1991	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.199
Gulf Coast	OK	Lincoln	8.731	8.795	0.0647	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.065
Gulf Coast	OK	Lincoln	8.795	8.892	0.0963	OK081	Seminole loam, 3 to 5 percent slopes	0.096
Gulf Coast	OK	Lincoln	8.892	8.930	0.0379	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.038
Gulf Coast	OK	Lincoln	8.930	9.001	0.0710	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.071
Gulf Coast	OK	Lincoln	9.001	9.037	0.0363	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.036
Gulf Coast	OK	Lincoln	9.037	9.175	0.1379	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.138
Gulf Coast	OK	Lincoln	9.175	9.370	0.1956	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.196
Gulf Coast	OK	Lincoln	9.370	9.452	0.0816	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.053
Gulf Coast	OK	Lincoln	9.452	9.469	0.0172	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.017
Gulf Coast	OK	Lincoln	9.469	9.550	0.0805	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.052
Gulf Coast	OK	Lincoln	9.550	9.748	0.1980	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.198
Gulf Coast	OK	Lincoln	9.748	9.847	0.0994	OK081	Renthin-Grainola complex, 3 to 5 percent slopes, severely erode	0.094
Gulf Coast	OK	Lincoln	9.847	10.102	0.2549	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.255
Gulf Coast	OK	Lincoln	10.102	10.139	0.0370	OK081	Seminole loam, 1 to 3 percent slopes	0.037
Gulf Coast	OK	Lincoln	10.139	10.375	0.2364	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.236
Gulf Coast	OK	Lincoln	10.375	10.477	0.1013	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.101
Gulf Coast	OK	Lincoln	10.477	10.572	0.0951	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.095
Gulf Coast	OK	Lincoln	10.572	10.638	0.0666	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.067
Gulf Coast	OK	Lincoln	10.638	10.753	0.1141	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.114
Gulf Coast	OK	Lincoln	10.753	11.278	0.5250	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.525
Gulf Coast	OK	Lincoln	11.278	11.356	0.0788	OK081	Ashport, Port, and Pulaski soils, 0 to 1 percent slopes, frequentl	0.054
Gulf Coast	OK	Lincoln	11.356	11.614	0.2579	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.258
Gulf Coast	OK	Lincoln	11.614	11.651	0.0366	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.037
Gulf Coast	OK	Lincoln	11.651	11.693	0.0422	OK081	Seminole loam, 1 to 3 percent slopes	0.042
Gulf Coast	OK	Lincoln	11.693	11.833	0.1400	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.140
Gulf Coast	OK	Lincoln	11.833	11.909	0.0754	OK081	Seminole loam, 1 to 3 percent slopes	0.075
Gulf Coast	OK	Lincoln	11.909	11.958	0.0494	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.049
Gulf Coast	OK	Lincoln	11.958	12.186	0.2280	OK081	Seminole loam, 1 to 3 percent slopes	0.228
Gulf Coast	OK	Lincoln	12.186	12.640	0.4542	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.454

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	OK	Lincoln	12.640	12.693	0.0530	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.053
Gulf Coast	OK	Lincoln	12.693	12.823	0.1297	OK081	Seminole loam, 3 to 5 percent slopes	0.130
Gulf Coast	OK	Lincoln	12.823	12.880	0.0575	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.058
Gulf Coast	OK	Lincoln	12.880	13.108	0.2281	OK081	Seminole loam, 3 to 5 percent slopes	0.228
Gulf Coast	OK	Lincoln	13.108	13.325	0.2164	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.216
Gulf Coast	OK	Lincoln	13.325	13.500	0.1749	OK081	Coyle loam, 3 to 5 percent slopes, eroded	0.175
Gulf Coast	OK	Lincoln	13.500	13.513	0.0131	OK081	Stephenville fine sandy loam, 3 to 5 percent slopes	0.012
Gulf Coast	OK	Lincoln	13.513	13.579	0.0664	OK081	Ashport, Port, and Pulaski soils, 0 to 1 percent slopes, frequentl	0.045
Gulf Coast	OK	Lincoln	13.579	13.589	0.0100	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.010
Gulf Coast	OK	Lincoln	13.589	13.666	0.0765	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.076
Gulf Coast	OK	Lincoln	13.666	13.901	0.2357	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.236
Gulf Coast	OK	Lincoln	13.901	13.982	0.0809	OK081	Teller loam, 3 to 5 percent slopes	0.081
Gulf Coast	OK	Lincoln	13.982	14.147	0.1647	OK081	Lawrie silt loam, 0 to 1 percent slopes, rarely flooded	0.156
Gulf Coast	OK	Lincoln	14.147	14.211	0.0638	OK081	Ashport, Port, and Pulaski soils, 0 to 1 percent slopes, frequentl	0.043
Gulf Coast	OK	Lincoln	14.211	14.255	0.0438	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.018
Gulf Coast	OK	Lincoln	14.255	14.326	0.0710	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.046
Gulf Coast	OK	Lincoln	14.326	14.406	0.0801	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.032
Gulf Coast	OK	Lincoln	14.406	14.422	0.0163	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.011
Gulf Coast	OK	Lincoln	14.422	14.498	0.0764	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.031
Gulf Coast	OK	Lincoln	14.498	14.521	0.0225	OK081	Stephenville fine sandy loam, 3 to 5 percent slopes	0.021
Gulf Coast	OK	Lincoln	14.521	14.610	0.0894	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.089
Gulf Coast	OK	Lincoln	14.610	14.648	0.0381	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.015
Gulf Coast	OK	Lincoln	14.648	14.670	0.0221	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.022
Gulf Coast	OK	Lincoln	14.670	14.703	0.0329	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.013
Gulf Coast	OK	Lincoln	14.703	14.856	0.1528	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.153
Gulf Coast	OK	Lincoln	14.856	15.033	0.1772	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.071
Gulf Coast	OK	Lincoln	15.033	15.310	0.2770	OK081	Stephenville fine sandy loam, 3 to 5 percent slopes	0.263
Gulf Coast	OK	Lincoln	15.310	15.411	0.1012	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.040
Gulf Coast	OK	Lincoln	15.411	15.534	0.1228	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.123
Gulf Coast	OK	Lincoln	15.534	15.585	0.0509	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.051
Gulf Coast	OK	Lincoln	15.585	15.690	0.1048	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.105
Gulf Coast	OK	Lincoln	15.690	15.737	0.0470	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.047
Gulf Coast	OK	Lincoln	15.737	15.841	0.1044	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.104
Gulf Coast	OK	Lincoln	15.841	15.934	0.0925	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.093
Gulf Coast	OK	Lincoln	15.934	16.250	0.3161	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.316
Gulf Coast	OK	Lincoln	16.250	16.332	0.0822	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.082
Gulf Coast	OK	Lincoln	16.332	16.524	0.1918	OK081	Seminole loam, 1 to 3 percent slopes	0.192
Gulf Coast	OK	Lincoln	16.524	16.545	0.0208	OK081	Stephenville fine sandy loam, 1 to 3 percent slopes	0.020
Gulf Coast	OK	Lincoln	16.545	16.961	0.4167	OK081	Seminole loam, 1 to 3 percent slopes	0.417
Gulf Coast	OK	Lincoln	16.961	16.992	0.0302	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.030
Gulf Coast	OK	Lincoln	16.992	17.079	0.0876	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.088
Gulf Coast	OK	Lincoln	17.079	17.164	0.0844	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.084
Gulf Coast	OK	Lincoln	17.164	17.192	0.0287	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.029
Gulf Coast	OK	Lincoln	17.192	17.314	0.1218	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely erode	0.122
Gulf Coast	OK	Lincoln	17.314	17.419	0.1051	OK081	Seminole loam, 3 to 5 percent slopes	0.105
Gulf Coast	OK	Creek	17.419	17.996	0.5763	OK037	Dennis and Okemah soils, 1 to 3 percent slopes	0.519
Gulf Coast	OK	Creek	17.996	18.065	0.0696	OK037	Collinsville and Talihina soils, 5 to 12 percent slopes	0.024
Gulf Coast	OK	Creek	18.065	18.299	0.2338	OK037	Coyle fine sandy loam, 3 to 5 percent slopes	0.215
Gulf Coast	OK	Creek	18.299	18.466	0.1672	OK037	Coyle fine sandy loam, 1 to 3 percent slopes	0.150
Gulf Coast	OK	Creek	18.466	18.523	0.0573	OK037	Oil waste land-Huska complex, 1 to 8 percent slopes	0.017
Gulf Coast	OK	Creek	18.523	18.536	0.0124	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.004
Gulf Coast	OK	Creek	18.536	18.837	0.3007	OK037	Konawa and Gasil soils, 1 to 3 percent slopes	0.283
Gulf Coast	OK	Creek	18.837	18.960	0.1234	OK037	Konawa and Gasil soils, 3 to 5 percent slopes	0.116
Gulf Coast	OK	Creek	18.960	18.987	0.0269	OK037	Konawa-Gullied land complex, 3 to 8 percent slopes	0.018
Gulf Coast	OK	Creek	18.987	19.030	0.0429	OK037	Konawa and Gasil soils, 5 to 8 percent slopes	0.039
Gulf Coast	OK	Creek	19.030	19.078	0.0484	OK037	Konawa-Gullied land complex, 3 to 8 percent slopes	0.032
Gulf Coast	OK	Creek	19.078	19.147	0.0686	OK037	Stephenville-Darnell complex, 5 to 8 percent slopes, severely er	0.033
Gulf Coast	OK	Creek	19.147	19.231	0.0843	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.030
Gulf Coast	OK	Creek	19.231	19.299	0.0675	OK037	Stephenville-Darnell complex, 5 to 8 percent slopes	0.037
Gulf Coast	OK	Creek	19.299	19.496	0.1974	OK037	Konawa and Gasil soils, 5 to 8 percent slopes	0.182
Gulf Coast	OK	Creek	19.678	19.694	0.0163	OK037	Darnell-Niotaze complex, 12 to 20 percent slopes	0.006
Gulf Coast	OK	Creek	19.694	19.719	0.0247	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.009
Gulf Coast	OK	Creek	19.719	19.923	0.2034	OK037	Stephenville-Darnell complex, 3 to 5 percent slopes	0.128
Gulf Coast	OK	Creek	19.923	19.985	0.0625	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.022
Gulf Coast	OK	Creek	19.985	20.017	0.0323	OK037	Stephenville-Darnell complex, 3 to 5 percent slopes	0.020
Gulf Coast	OK	Creek	20.017	20.095	0.0776	OK037	Stephenville-Darnell complex, 5 to 8 percent slopes, severely er	0.037
Gulf Coast	OK	Creek	20.106	20.156	0.0495	OK037	Ashport silt loam, 0 to 1 percent slopes, frequently flooded	0.044
Gulf Coast	OK	Creek	20.156	20.325	0.1689	OK037	Darnell-Niotaze complex, 12 to 20 percent slopes	0.059
Gulf Coast	OK	Creek	20.325	20.445	0.1203	OK037	Collinsville and Talihina soils, 5 to 12 percent slopes	0.042
Gulf Coast	OK	Creek	20.445	20.512	0.0665	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.023
Gulf Coast	OK	Creek	20.512	20.608	0.0967	OK037	Stephenville-Darnell complex, 5 to 8 percent slopes	0.053
Gulf Coast	OK	Creek	20.608	20.849	0.2411	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.084
Gulf Coast	OK	Creek	20.849	21.061	0.2114	OK037	Darnell-Niotaze complex, 12 to 20 percent slopes	0.074

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	OK	Creek	21.061	21.128	0.0668	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.023
Gulf Coast	OK	Creek	21.128	21.208	0.0808	OK037	Darnell-Niotaze complex, 12 to 20 percent slopes	0.028
Gulf Coast	OK	Creek	21.208	21.363	0.1549	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.054
Gulf Coast	OK	Creek	21.363	21.384	0.0203	OK037	Darnell-Niotaze complex, 12 to 20 percent slopes	0.007
Gulf Coast	OK	Creek	21.384	21.451	0.0673	OK037	Dougherty and Stidham soils, 3 to 8 percent slopes	0.063
Gulf Coast	OK	Creek	21.451	21.462	0.0108	OK037	Ustibuck clay, 0 to 1 percent slopes, frequently flooded	0.010
Gulf Coast	OK	Creek	21.462	21.579	0.1175	OK037	Port fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.105
Gulf Coast	OK	Creek	21.579	21.616	0.0372	OK037	Ustibuck clay, 0 to 1 percent slopes, frequently flooded	0.035
Gulf Coast	OK	Creek	21.616	21.709	0.0931	OK037	Konawa-Gullied land complex, 3 to 8 percent slopes	0.062
Gulf Coast	OK	Creek	21.709	21.776	0.0669	OK037	Konawa and Gasil soils, 5 to 8 percent slopes	0.062
Gulf Coast	OK	Creek	21.776	21.809	0.0324	OK037	Ustibuck clay, 0 to 1 percent slopes, frequently flooded	0.031
Gulf Coast	OK	Creek	21.809	21.826	0.0172	OK037	Konawa and Gasil soils, 5 to 8 percent slopes	0.016
Gulf Coast	OK	Creek	22.043	22.265	0.2224	OK037	Ustibuck clay, 0 to 1 percent slopes, frequently flooded	0.209
Gulf Coast	OK	Creek	22.294	23.150	0.8564	OK037	Ustibuck clay, 0 to 1 percent slopes, frequently flooded	0.805
Gulf Coast	OK	Creek	23.150	23.176	0.0262	OK037	Konawa-Gullied land complex, 3 to 8 percent slopes	0.018
Gulf Coast	OK	Okfuskee	23.176	23.224	0.0476	OK107	Teller fine sandy loam, 1 to 3 percent slopes	0.048
Gulf Coast	OK	Okfuskee	23.224	23.593	0.3691	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.207
Gulf Coast	OK	Okfuskee	23.593	23.609	0.0156	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.005
Gulf Coast	OK	Okfuskee	23.609	24.784	1.1747	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.059
Gulf Coast	OK	Okfuskee	24.784	24.945	0.1611	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.056
Gulf Coast	OK	Okfuskee	24.945	25.105	0.1599	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.090
Gulf Coast	OK	Okfuskee	25.105	25.242	0.1379	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.048
Gulf Coast	OK	Okfuskee	25.242	25.351	0.1086	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.061
Gulf Coast	OK	Okfuskee	25.351	25.485	0.1340	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.047
Gulf Coast	OK	Okfuskee	25.485	25.547	0.0623	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.003
Gulf Coast	OK	Okfuskee	25.547	25.664	0.1162	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.041
Gulf Coast	OK	Okfuskee	25.664	25.686	0.0224	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.013
Gulf Coast	OK	Okfuskee	25.686	25.955	0.2695	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.094
Gulf Coast	OK	Okfuskee	25.955	26.465	0.5100	OK107	Renfrow silt loam, 3 to 5 percent slopes	0.495
Gulf Coast	OK	Okfuskee	26.465	26.580	0.1141	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.040
Gulf Coast	OK	Okfuskee	26.580	26.968	0.3882	OK107	Darsil-Stephenville complex, 3 to 5 percent slopes	0.175
Gulf Coast	OK	Okfuskee	26.968	27.014	0.0461	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.016
Gulf Coast	OK	Okfuskee	27.014	27.635	0.6209	OK107	Darsil-Stephenville complex, 3 to 5 percent slopes	0.279
Gulf Coast	OK	Okfuskee	27.635	27.651	0.0165	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.009
Gulf Coast	OK	Okfuskee	27.651	27.677	0.0258	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.009
Gulf Coast	OK	Okfuskee	27.677	27.915	0.2378	OK107	Darsil-Stephenville complex, 3 to 5 percent slopes	0.107
Gulf Coast	OK	Okfuskee	27.915	28.160	0.2451	OK107	Masham silty clay loam, 3 to 8 percent slopes	0.221
Gulf Coast	OK	Okfuskee	28.160	28.410	0.2501	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.140
Gulf Coast	OK	Okfuskee	28.410	28.592	0.1821	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.009
Gulf Coast	OK	Okfuskee	28.592	28.654	0.0617	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.022
Gulf Coast	OK	Okfuskee	28.654	28.742	0.0884	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.050
Gulf Coast	OK	Okfuskee	28.742	28.794	0.0514	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.018
Gulf Coast	OK	Okfuskee	28.794	28.928	0.1340	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.007
Gulf Coast	OK	Okfuskee	28.928	28.990	0.0624	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.044
Gulf Coast	OK	Okfuskee	28.990	29.056	0.0659	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.023
Gulf Coast	OK	Okfuskee	29.056	29.272	0.2157	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.151
Gulf Coast	OK	Okfuskee	29.272	29.619	0.3479	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.122
Gulf Coast	OK	Okfuskee	29.619	29.873	0.2533	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.177
Gulf Coast	OK	Okfuskee	29.873	30.084	0.2110	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.074
Gulf Coast	OK	Okfuskee	30.084	30.124	0.0403	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.028
Gulf Coast	OK	Okfuskee	30.124	30.268	0.1441	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.050
Gulf Coast	OK	Okfuskee	30.268	30.395	0.1268	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.089
Gulf Coast	OK	Okfuskee	30.395	30.455	0.0602	OK107	Teller fine sandy loam, 1 to 3 percent slopes	0.060
Gulf Coast	OK	Okfuskee	30.455	30.605	0.1501	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.008
Gulf Coast	OK	Okfuskee	30.605	30.674	0.0685	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.038
Gulf Coast	OK	Okfuskee	30.674	30.874	0.2006	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.010
Gulf Coast	OK	Okfuskee	30.874	31.746	0.8713	OK107	Darsil-Stephenville complex, 3 to 5 percent slopes	0.392
Gulf Coast	OK	Okfuskee	31.746	32.726	0.9808	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.549
Gulf Coast	OK	Okfuskee	32.726	32.821	0.0945	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.005
Gulf Coast	OK	Okfuskee	32.821	33.008	0.1868	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.105
Gulf Coast	OK	Okfuskee	33.008	33.123	0.1153	OK107	Masham silty clay loam, 3 to 8 percent slopes	0.104
Gulf Coast	OK	Okfuskee	33.123	33.183	0.0601	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.021
Gulf Coast	OK	Okfuskee	33.183	33.473	0.2896	OK107	Chickasha loam, 1 to 3 percent slopes	0.290
Gulf Coast	OK	Okfuskee	33.473	33.633	0.1600	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.056
Gulf Coast	OK	Okfuskee	33.633	33.733	0.1003	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.005
Gulf Coast	OK	Okfuskee	33.733	33.820	0.0873	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.031
Gulf Coast	OK	Okfuskee	33.820	33.877	0.0570	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.032
Gulf Coast	OK	Okfuskee	33.877	34.010	0.1324	OK107	Darsil-Stephenville complex, 3 to 5 percent slopes	0.060
Gulf Coast	OK	Okfuskee	34.010	34.168	0.1586	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.089
Gulf Coast	OK	Okfuskee	34.168	34.478	0.3101	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.109
Gulf Coast	OK	Okfuskee	34.478	35.111	0.6326	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.354
Gulf Coast	OK	Okfuskee	35.111	35.451	0.3400	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.119
Gulf Coast	OK	Okfuskee	35.451	35.473	0.0226	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.001

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	OK	Okfuskee	35.473	36.069	0.5958	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.209
Gulf Coast	OK	Okfuskee	36.069	36.397	0.3276	OK107	Renfrow silt loam, 3 to 5 percent slopes	0.318
Gulf Coast	OK	Okfuskee	36.397	36.463	0.0663	OK107	Galey fine sandy loam, 3 to 5 percent slopes	0.066
Gulf Coast	OK	Okfuskee	36.463	36.597	0.1336	OK107	Navina loam, 1 to 3 percent slopes	0.134
Gulf Coast	OK	Okfuskee	36.597	36.796	0.1991	OK107	Galey fine sandy loam, 3 to 5 percent slopes	0.199
Gulf Coast	OK	Okfuskee	36.796	37.030	0.2340	OK107	Navina loam, 1 to 3 percent slopes	0.234
Gulf Coast	OK	Okfuskee	37.030	37.103	0.0726	OK107	Galey fine sandy loam, 3 to 5 percent slopes	0.073
Gulf Coast	OK	Okfuskee	37.103	37.550	0.4476	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.157
Gulf Coast	OK	Okfuskee	37.550	37.643	0.0931	OK107	Konawa-Gullied land complex, 3 to 12 percent slopes	0.068
Gulf Coast	OK	Okfuskee	37.643	37.712	0.0689	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.024
Gulf Coast	OK	Okfuskee	37.712	38.199	0.4868	OK107	Eufaula loamy fine sand, 0 to 3 percent slopes	0.058
Gulf Coast	OK	Okfuskee	38.199	38.326	0.1271	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.044
Gulf Coast	OK	Okfuskee	38.326	38.351	0.0248	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.001
Gulf Coast	OK	Okfuskee	38.351	38.373	0.0219	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.008
Gulf Coast	OK	Okfuskee	38.373	38.698	0.3251	OK107	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.016
Gulf Coast	OK	Seminole	38.719	38.771	0.0517	OK133	Gracemore loamy fine sand, 0 to 1 percent slopes, frequently flo	0.003
Gulf Coast	OK	Seminole	38.771	38.805	0.0335	OK133	Yahola fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.005
Gulf Coast	OK	Seminole	38.805	38.917	0.1128	OK133	Keokuk silt loam, 0 to 1 percent slopes, rarely flooded	0.006
Gulf Coast	OK	Seminole	38.917	39.167	0.2501	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.145
Gulf Coast	OK	Seminole	39.167	39.302	0.1348	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.128
Gulf Coast	OK	Seminole	39.302	39.314	0.0122	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.007
Gulf Coast	OK	Seminole	39.314	39.383	0.0685	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.065
Gulf Coast	OK	Seminole	39.383	39.416	0.0333	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.019
Gulf Coast	OK	Seminole	39.416	39.549	0.1330	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.080
Gulf Coast	OK	Seminole	39.549	39.651	0.1023	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.059
Gulf Coast	OK	Seminole	39.651	39.685	0.0332	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.033
Gulf Coast	OK	Seminole	39.685	39.727	0.0419	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.024
Gulf Coast	OK	Seminole	39.727	39.795	0.0683	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.068
Gulf Coast	OK	Seminole	39.795	39.859	0.0641	OK133	Konawa fine sandy loam, 1 to 3 percent slopes	0.064
Gulf Coast	OK	Seminole	39.859	39.951	0.0915	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.092
Gulf Coast	OK	Seminole	39.951	40.004	0.0531	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.053
Gulf Coast	OK	Seminole	40.004	40.062	0.0584	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently floode	0.058
Gulf Coast	OK	Seminole	40.062	40.122	0.0598	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.060
Gulf Coast	OK	Seminole	40.122	40.248	0.1262	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, s	0.120
Gulf Coast	OK	Seminole	40.248	40.323	0.0754	OK133	Dennis loam, 3 to 5 percent slopes	0.075
Gulf Coast	OK	Seminole	40.323	40.413	0.0900	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.090
Gulf Coast	OK	Seminole	40.413	40.524	0.1109	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, s	0.105
Gulf Coast	OK	Seminole	40.524	40.561	0.0371	OK133	Dennis loam, 3 to 5 percent slopes	0.037
Gulf Coast	OK	Seminole	40.561	40.593	0.0312	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.018
Gulf Coast	OK	Seminole	40.593	40.778	0.1857	OK133	Konawa fine sandy loam, 3 to 5 percent slopes, eroded	0.186
Gulf Coast	OK	Seminole	40.778	40.808	0.0298	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.030
Gulf Coast	OK	Seminole	40.857	40.887	0.0305	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.030
Gulf Coast	OK	Seminole	40.892	40.973	0.0805	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.047
Gulf Coast	OK	Seminole	40.973	41.051	0.0780	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.078
Gulf Coast	OK	Seminole	41.051	41.105	0.0544	OK133	Dennis loam, 3 to 5 percent slopes	0.054
Gulf Coast	OK	Seminole	41.105	41.170	0.0648	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.058
Gulf Coast	OK	Seminole	41.170	41.256	0.0861	OK133	Okemah silt loam, 1 to 3 percent slopes	0.086
Gulf Coast	OK	Seminole	41.256	41.453	0.1977	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.198
Gulf Coast	OK	Seminole	41.453	41.515	0.0613	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.055
Gulf Coast	OK	Seminole	41.515	41.618	0.1030	OK133	Okemah silt loam, 1 to 3 percent slopes	0.103
Gulf Coast	OK	Seminole	41.618	41.674	0.0566	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.057
Gulf Coast	OK	Seminole	41.674	41.836	0.1615	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.153
Gulf Coast	OK	Seminole	41.836	41.864	0.0278	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.025
Gulf Coast	OK	Seminole	41.864	41.920	0.0560	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, s	0.053
Gulf Coast	OK	Seminole	41.920	42.133	0.2132	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.192
Gulf Coast	OK	Seminole	42.133	42.340	0.2072	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.207
Gulf Coast	OK	Seminole	42.340	42.404	0.0640	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.064
Gulf Coast	OK	Seminole	42.404	42.457	0.0533	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.053
Gulf Coast	OK	Seminole	42.457	42.481	0.0240	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.022
Gulf Coast	OK	Seminole	42.481	42.538	0.0566	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.031
Gulf Coast	OK	Seminole	42.538	42.687	0.1491	OK133	Eram-Coweta complex, 5 to 12 percent slopes	0.149
Gulf Coast	OK	Seminole	42.687	42.705	0.0181	OK133	Dennis loam, 3 to 5 percent slopes	0.018
Gulf Coast	OK	Seminole	42.705	42.724	0.0188	OK133	Bates-Coweta complex, 3 to 5 percent slopes	0.019
Gulf Coast	OK	Seminole	42.724	42.834	0.1096	OK133	Dennis loam, 3 to 5 percent slopes	0.110
Gulf Coast	OK	Seminole	42.834	42.882	0.0484	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.046
Gulf Coast	OK	Seminole	42.882	42.965	0.0826	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.083
Gulf Coast	OK	Seminole	42.965	43.042	0.0779	OK133	Stephenville fine sandy loam, 1 to 3 percent slopes	0.074
Gulf Coast	OK	Seminole	43.042	43.221	0.1782	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.169
Gulf Coast	OK	Seminole	43.221	43.263	0.0421	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently floode	0.042
Gulf Coast	OK	Seminole	43.263	43.360	0.0970	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.097
Gulf Coast	OK	Seminole	43.360	43.440	0.0798	OK133	Konawa fine sandy loam, 3 to 5 percent slopes, eroded	0.080
Gulf Coast	OK	Seminole	43.440	43.515	0.0750	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.075
Gulf Coast	OK	Seminole	43.515	43.657	0.1429	OK133	Pulaski fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.014

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Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	OK	Seminole	43.685	43.703	0.0184	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently floode	0.018
Gulf Coast	OK	Seminole	43.703	43.745	0.0421	OK133	Pulaski fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.004
Gulf Coast	OK	Seminole	43.745	44.054	0.3084	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.185
Gulf Coast	OK	Seminole	44.054	44.143	0.0889	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely e	0.080
Gulf Coast	OK	Seminole	44.143	44.229	0.0866	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.052
Gulf Coast	OK	Seminole	44.229	44.482	0.2528	OK133	Stephenville fine sandy loam, 1 to 3 percent slopes	0.240
Gulf Coast	OK	Seminole	44.482	44.725	0.2435	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely e	0.219
Gulf Coast	OK	Seminole	44.725	44.729	0.0041	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.002
Gulf Coast	OK	Seminole	44.729	44.743	0.0135	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely e	0.012
Gulf Coast	OK	Seminole	44.743	44.888	0.1450	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently floode	0.145
Gulf Coast	OK	Seminole	44.888	45.163	0.2749	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.165
Gulf Coast	OK	Seminole	45.163	45.365	0.2023	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely e	0.182
Gulf Coast	OK	Seminole	45.365	45.533	0.1675	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.100
Gulf Coast	OK	Seminole	45.533	45.933	0.4006	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely e	0.361
Gulf Coast	OK	Seminole	45.933	46.253	0.3192	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.192
Gulf Coast	OK	Seminole	46.253	46.278	0.0259	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.023
Gulf Coast	OK	Seminole	46.289	46.447	0.1585	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.143
Gulf Coast	OK	Seminole	46.447	46.526	0.0789	OK133	Prue loam, 1 to 3 percent slopes	0.079
Gulf Coast	OK	Seminole	46.526	46.608	0.0816	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.082
Gulf Coast	OK	Seminole	46.608	46.657	0.0493	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.044
Gulf Coast	OK	Seminole	46.657	46.800	0.1431	OK133	Prue loam, 1 to 3 percent slopes	0.143
Gulf Coast	OK	Seminole	46.800	46.900	0.1000	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.090
Gulf Coast	OK	Seminole	46.900	46.939	0.0386	OK133	Prue loam, 1 to 3 percent slopes	0.039
Gulf Coast	OK	Seminole	46.939	47.017	0.0783	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.070
Gulf Coast	OK	Seminole	47.017	47.101	0.0840	OK133	Bates-Coweta complex, 3 to 5 percent slopes	0.084
Gulf Coast	OK	Seminole	47.101	47.176	0.0749	OK133	Bates loam, 1 to 3 percent slopes	0.075
Gulf Coast	OK	Seminole	47.176	47.414	0.2382	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.238
Gulf Coast	OK	Seminole	47.414	47.444	0.0303	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.027
Gulf Coast	OK	Seminole	47.444	47.465	0.0203	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.020
Gulf Coast	OK	Seminole	47.465	47.523	0.0584	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.053
Gulf Coast	OK	Seminole	47.523	47.624	0.1013	OK133	Bates loam, 3 to 5 percent slopes	0.101
Gulf Coast	OK	Seminole	47.624	47.689	0.0643	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.064
Gulf Coast	OK	Seminole	47.689	47.771	0.0827	OK133	Bates loam, 3 to 5 percent slopes	0.083
Gulf Coast	OK	Seminole	47.771	47.891	0.1200	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.114
Gulf Coast	OK	Seminole	47.891	47.972	0.0804	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.048
Gulf Coast	OK	Seminole	47.972	48.000	0.0282	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.015
Gulf Coast	OK	Seminole	48.000	48.031	0.0310	OK133	Konawa fine sandy loam, 3 to 5 percent slopes	0.031
Gulf Coast	OK	Seminole	48.031	48.128	0.0971	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently floode	0.097
Gulf Coast	OK	Seminole	48.128	48.281	0.1534	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.153
Gulf Coast	OK	Seminole	48.281	48.422	0.1402	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, s	0.133
Gulf Coast	OK	Seminole	48.422	48.629	0.2068	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.114
Gulf Coast	OK	Seminole	48.629	48.815	0.1864	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.112
Gulf Coast	OK	Seminole	48.815	48.872	0.0574	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.032
Gulf Coast	OK	Seminole	48.872	48.912	0.0395	OK133	Eram-Coweta complex, 5 to 12 percent slopes	0.040
Gulf Coast	OK	Seminole	48.912	48.963	0.0509	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, s	0.048
Gulf Coast	OK	Seminole	48.963	49.018	0.0557	OK133	Bates loam, 1 to 3 percent slopes	0.056
Gulf Coast	OK	Seminole	49.018	49.076	0.0577	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.035
Gulf Coast	OK	Seminole	49.076	49.186	0.1101	OK133	Bates loam, 3 to 5 percent slopes	0.110
Gulf Coast	OK	Seminole	49.186	49.267	0.0813	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.073
Gulf Coast	OK	Seminole	49.267	49.318	0.0509	OK133	Eram-Coweta complex, 5 to 12 percent slopes	0.051
Gulf Coast	OK	Seminole	49.318	49.379	0.0602	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently floode	0.060
Gulf Coast	OK	Seminole	49.379	49.405	0.0263	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.026
Gulf Coast	OK	Seminole	49.405	49.434	0.0291	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently floode	0.029
Gulf Coast	OK	Seminole	49.434	49.487	0.0534	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.053
Gulf Coast	OK	Seminole	49.487	49.506	0.0190	OK133	Okemah silt loam, 1 to 3 percent slopes	0.019
Gulf Coast	OK	Seminole	49.506	49.655	0.1484	OK133	Eram-Coweta complex, 5 to 12 percent slopes	0.148
Gulf Coast	OK	Seminole	49.655	49.658	0.0031	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.002
Gulf Coast	OK	Seminole	49.658	49.816	0.1577	OK133	Prue loam, 3 to 5 percent slopes	0.158
Gulf Coast	OK	Seminole	49.816	49.945	0.1291	OK133	Prue loam, 1 to 3 percent slopes	0.129
Gulf Coast	OK	Seminole	49.945	50.045	0.1006	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.101
Gulf Coast	OK	Seminole	50.045	50.083	0.0373	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.034
Gulf Coast	OK	Seminole	50.083	50.138	0.0555	OK133	Bates loam, 3 to 5 percent slopes	0.055
Gulf Coast	OK	Seminole	50.138	50.195	0.0569	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.051
Gulf Coast	OK	Seminole	50.195	50.214	0.0192	OK133	Okemah silt loam, 1 to 3 percent slopes	0.019
Gulf Coast	OK	Seminole	50.214	50.273	0.0584	OK133	Gowton fine sandy loam, 0 to 1 percent slopes, frequently floode	0.058
Gulf Coast	OK	Seminole	50.273	50.317	0.0441	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.024
Gulf Coast	OK	Seminole	50.317	50.380	0.0631	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.038
Gulf Coast	OK	Seminole	50.380	50.386	0.0061	OK133	Bates loam, 3 to 5 percent slopes	0.006
Gulf Coast	OK	Seminole	50.386	50.769	0.3829	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.383
Gulf Coast	OK	Seminole	50.769	50.966	0.1976	OK133	Okemah silt loam, 0 to 1 percent slopes	0.198
Gulf Coast	OK	Seminole	50.966	51.314	0.3478	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.348
Gulf Coast	OK	Seminole	51.314	51.617	0.3026	OK133	Okemah silt loam, 0 to 1 percent slopes	0.303
Gulf Coast	OK	Seminole	51.617	51.643	0.0263	OK133	Okemah silt loam, 1 to 3 percent slopes	0.026

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	OK	Seminole	51.643	52.126	0.4833	OK133	Dennis loam, 3 to 5 percent slopes	0.483
Gulf Coast	OK	Seminole	52.126	52.330	0.2039	OK133	Okemah silt loam, 1 to 3 percent slopes	0.204
Gulf Coast	OK	Seminole	52.330	52.573	0.2433	OK133	Dennis loam, 3 to 5 percent slopes	0.243
Gulf Coast	OK	Seminole	52.573	53.049	0.4751	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.428
Gulf Coast	OK	Seminole	53.049	53.075	0.0260	OK133	Grainola and Aydelotte soils, 3 to 8 percent slopes, severely ero	0.024
Gulf Coast	OK	Seminole	53.075	53.450	0.3756	OK133	Okemah silt loam, 1 to 3 percent slopes	0.376
Gulf Coast	OK	Seminole	53.450	53.489	0.0393	OK133	Bates loam, 1 to 3 percent slopes	0.039
Gulf Coast	OK	Seminole	53.489	53.528	0.0382	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.034
Gulf Coast	OK	Seminole	53.528	53.528	0.0004	OK133	Okemah silt loam, 1 to 3 percent slopes	0.000
Gulf Coast	OK	Seminole	53.528	53.620	0.0921	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.083
Gulf Coast	OK	Seminole	53.620	53.652	0.0321	OK133	Bates loam, 3 to 5 percent slopes	0.032
Gulf Coast	OK	Seminole	53.652	53.692	0.0401	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.036
Gulf Coast	OK	Seminole	53.692	53.763	0.0706	OK133	Bates loam, 3 to 5 percent slopes	0.071
Gulf Coast	OK	Seminole	53.763	53.864	0.1011	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.091
Gulf Coast	OK	Seminole	53.864	54.097	0.2333	OK133	Okemah silt loam, 1 to 3 percent slopes	0.233
Gulf Coast	OK	Seminole	54.097	54.192	0.0951	OK133	Dennis loam, 3 to 5 percent slopes	0.095
Gulf Coast	OK	Seminole	54.192	54.331	0.1391	OK133	Okemah silt loam, 1 to 3 percent slopes	0.139
Gulf Coast	OK	Seminole	54.331	54.535	0.2031	OK133	Bates loam, 1 to 3 percent slopes	0.203
Gulf Coast	OK	Seminole	54.535	54.643	0.1086	OK133	Dennis loam, 3 to 5 percent slopes	0.109
Gulf Coast	OK	Seminole	54.643	54.825	0.1813	OK133	Bates loam, 1 to 3 percent slopes	0.181
Gulf Coast	OK	Seminole	54.825	54.873	0.0489	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.044
Gulf Coast	OK	Seminole	54.873	54.906	0.0324	OK133	Bates loam, 3 to 5 percent slopes	0.032
Gulf Coast	OK	Seminole	54.906	54.907	0.0008	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.001
Gulf Coast	OK	Seminole	54.907	54.985	0.0784	OK133	Bates loam, 3 to 5 percent slopes	0.078
Gulf Coast	OK	Seminole	54.985	55.171	0.1856	OK133	Bates loam, 1 to 3 percent slopes	0.186
Gulf Coast	OK	Seminole	55.171	55.250	0.0793	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, s	0.075
Gulf Coast	OK	Seminole	55.250	55.518	0.2683	OK133	Bates loam, 1 to 3 percent slopes	0.268
Gulf Coast	OK	Seminole	55.518	55.607	0.0893	OK133	Bates-Coweta complex, 3 to 5 percent slopes	0.089
Gulf Coast	OK	Seminole	55.607	55.806	0.1987	OK133	Eram-Coweta complex, 5 to 12 percent slopes	0.199
Gulf Coast	OK	Seminole	55.806	56.059	0.2530	OK133	Prue loam, 3 to 5 percent slopes	0.253
Gulf Coast	OK	Seminole	56.059	56.106	0.0470	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.047
Gulf Coast	OK	Seminole	56.106	56.302	0.1959	OK133	Okemah silt loam, 1 to 3 percent slopes	0.196
Gulf Coast	OK	Seminole	56.302	56.379	0.0769	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.077
Gulf Coast	OK	Seminole	56.379	56.437	0.0581	OK133	Seminole-Gowton complex, 0 to 12 percent slopes	0.052
Gulf Coast	OK	Seminole	56.437	56.658	0.2205	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.221
Gulf Coast	OK	Seminole	56.658	56.860	0.2023	OK133	Bates-Coweta complex, 3 to 5 percent slopes	0.202
Gulf Coast	OK	Seminole	56.860	56.904	0.0437	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.044
Gulf Coast	OK	Seminole	56.904	56.908	0.0049	OK133	Bates-Coweta complex, 3 to 5 percent slopes	0.005
Gulf Coast	OK	Seminole	56.908	57.003	0.0941	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.094
Gulf Coast	OK	Seminole	57.003	57.193	0.1908	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.181
Gulf Coast	OK	Seminole	57.193	57.290	0.0963	OK133	Stephenville fine sandy loam, 1 to 3 percent slopes	0.091
Gulf Coast	OK	Seminole	57.290	57.675	0.3855	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.366
Gulf Coast	OK	Seminole	57.675	57.744	0.0690	OK133	Stephenville fine sandy loam, 1 to 3 percent slopes	0.066
Gulf Coast	OK	Seminole	57.744	57.986	0.2419	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.145
Gulf Coast	OK	Seminole	57.986	58.032	0.0459	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.025
Gulf Coast	OK	Seminole	58.032	58.189	0.1571	OK133	Konawa fine sandy loam, 3 to 8 percent slopes, gullied	0.157
Gulf Coast	OK	Seminole	58.309	58.654	0.3453	OK133	Ustibuck clay, 0 to 1 percent slopes, occasionally flooded	0.345
Gulf Coast	OK	Seminole	58.654	58.710	0.0554	OK133	Pulaski fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.006
Gulf Coast	OK	Seminole	58.710	58.751	0.0415	OK133	Ustibuck clay, 0 to 1 percent slopes, occasionally flooded	0.041
Gulf Coast	OK	Seminole	58.751	58.899	0.1474	OK133	Pulaski fine sandy loam, 0 to 1 percent slopes, occasionally floo	0.015
Gulf Coast	OK	Seminole	58.899	59.054	0.1557	OK133	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.156
Gulf Coast	OK	Seminole	59.054	59.091	0.0368	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.020
Gulf Coast	OK	Seminole	59.091	59.168	0.0769	OK133	Bates loam, 3 to 5 percent slopes	0.077
Gulf Coast	OK	Hughes	59.168	59.249	0.0812	OK063	Bates fine sandy loam, 3 to 5 percent slopes	0.081
Gulf Coast	OK	Hughes	59.249	59.416	0.1664	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.166
Gulf Coast	OK	Hughes	59.416	59.551	0.1357	OK063	Dennis loam, 1 to 3 percent slopes	0.136
Gulf Coast	OK	Hughes	59.551	59.660	0.1083	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.083
Gulf Coast	OK	Hughes	59.660	59.725	0.0657	OK063	Wann loam, 0 to 1 percent slopes	0.026
Gulf Coast	OK	Hughes	59.725	59.843	0.1176	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.118
Gulf Coast	OK	Hughes	59.843	59.882	0.0390	OK063	Wann loam, 0 to 1 percent slopes	0.016
Gulf Coast	OK	Hughes	59.882	59.933	0.0508	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.051
Gulf Coast	OK	Hughes	59.933	59.954	0.0217	OK063	Wann loam, 0 to 1 percent slopes	0.009
Gulf Coast	OK	Hughes	59.954	60.639	0.6841	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.684
Gulf Coast	OK	Hughes	60.639	60.660	0.0215	OK063	Kamie fine sandy loam, 1 to 3 percent slopes	0.021
Gulf Coast	OK	Hughes	60.660	60.737	0.0770	OK063	Eram-Verdigris complex, 0 to 20 percent slopes	0.077
Gulf Coast	OK	Hughes	60.737	60.796	0.0588	OK063	Kamie fine sandy loam, 1 to 3 percent slopes	0.059
Gulf Coast	OK	Hughes	60.796	61.022	0.2260	OK063	Eram-Verdigris complex, 0 to 20 percent slopes	0.226
Gulf Coast	OK	Hughes	61.022	61.375	0.3534	OK063	Dennis loam, 3 to 5 percent slopes	0.353
Gulf Coast	OK	Hughes	61.375	61.409	0.0341	OK063	Eram-Verdigris complex, 0 to 20 percent slopes	0.034
Gulf Coast	OK	Hughes	61.409	61.574	0.1652	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.116
Gulf Coast	OK	Hughes	61.574	61.801	0.2266	OK063	Wann loam, 0 to 1 percent slopes	0.091
Gulf Coast	OK	Hughes	61.801	61.855	0.0536	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.038
Gulf Coast	OK	Hughes	61.855	61.885	0.0305	OK063	Wann loam, 0 to 1 percent slopes	0.012

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Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	OK	Hughes	61.885	61.949	0.0642	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.045
Gulf Coast	OK	Hughes	61.949	62.216	0.2671	OK063	Wann loam, 0 to 1 percent slopes	0.107
Gulf Coast	OK	Hughes	62.216	62.262	0.0457	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.032
Gulf Coast	OK	Hughes	62.262	62.325	0.0629	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.048
Gulf Coast	OK	Hughes	62.325	62.357	0.0322	OK063	Dennis loam, 3 to 5 percent slopes	0.032
Gulf Coast	OK	Hughes	62.357	62.492	0.1350	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.135
Gulf Coast	OK	Hughes	62.492	62.539	0.0466	OK063	Dennis loam, 3 to 5 percent slopes	0.047
Gulf Coast	OK	Hughes	62.539	62.742	0.2028	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.142
Gulf Coast	OK	Hughes	62.742	62.773	0.0315	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.031
Gulf Coast	OK	Hughes	62.773	62.923	0.1495	OK063	Bates fine sandy loam, 3 to 5 percent slopes	0.150
Gulf Coast	OK	Hughes	62.923	63.108	0.1849	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.185
Gulf Coast	OK	Hughes	63.108	63.219	0.1111	OK063	Dennis loam, 3 to 5 percent slopes, eroded	0.111
Gulf Coast	OK	Hughes	63.219	63.302	0.0838	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.084
Gulf Coast	OK	Hughes	63.302	63.327	0.0242	OK063	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.024
Gulf Coast	OK	Hughes	63.327	63.490	0.1633	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.163
Gulf Coast	OK	Hughes	63.490	63.652	0.1621	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.113
Gulf Coast	OK	Hughes	63.652	63.715	0.0626	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.063
Gulf Coast	OK	Hughes	63.715	63.844	0.1294	OK063	Wann loam, 0 to 1 percent slopes	0.052
Gulf Coast	OK	Hughes	63.844	63.946	0.1021	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.071
Gulf Coast	OK	Hughes	63.946	64.217	0.2708	OK063	Dennis loam, 3 to 5 percent slopes	0.271
Gulf Coast	OK	Hughes	64.217	64.262	0.0446	OK063	Okemah-Pharoah complex, 1 to 3 percent slopes	0.045
Gulf Coast	OK	Hughes	64.262	64.340	0.0781	OK063	Dennis loam, 1 to 3 percent slopes	0.078
Gulf Coast	OK	Hughes	64.340	64.440	0.1005	OK063	Dennis loam, 3 to 5 percent slopes	0.101
Gulf Coast	OK	Hughes	64.440	64.508	0.0673	OK063	Okemah-Pharoah complex, 1 to 3 percent slopes	0.067
Gulf Coast	OK	Hughes	64.508	64.751	0.2434	OK063	Dennis loam, 1 to 3 percent slopes	0.243
Gulf Coast	OK	Hughes	64.751	64.894	0.1432	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.100
Gulf Coast	OK	Hughes	64.894	64.992	0.0977	OK063	Wann loam, 0 to 1 percent slopes	0.039
Gulf Coast	OK	Hughes	64.992	65.030	0.0385	OK063	Dennis loam, 1 to 3 percent slopes	0.039
Gulf Coast	OK	Hughes	65.030	65.088	0.0579	OK063	Dennis loam, 3 to 5 percent slopes, eroded	0.058
Gulf Coast	OK	Hughes	65.088	65.203	0.1146	OK063	Dennis loam, 1 to 3 percent slopes	0.115
Gulf Coast	OK	Hughes	65.203	65.243	0.0397	OK063	Wann loam, 0 to 1 percent slopes	0.016
Gulf Coast	OK	Hughes	65.243	65.347	0.1045	OK063	Verdigris silt loam, 0 to 2 percent slopes, frequently flooded	0.104
Gulf Coast	OK	Hughes	65.347	65.418	0.0706	OK063	Wann loam, 0 to 1 percent slopes	0.028
Gulf Coast	OK	Hughes	65.418	65.465	0.0471	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.047
Gulf Coast	OK	Hughes	65.465	65.560	0.0955	OK063	Wann loam, 0 to 1 percent slopes	0.038
Gulf Coast	OK	Hughes	65.560	65.619	0.0584	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.045
Gulf Coast	OK	Hughes	65.619	65.672	0.0536	OK063	Wann loam, 0 to 1 percent slopes	0.021
Gulf Coast	OK	Hughes	65.672	65.978	0.3058	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.306
Gulf Coast	OK	Hughes	65.978	65.979	0.0015	OK063	Wann loam, 0 to 1 percent slopes	0.001
Gulf Coast	OK	Hughes	65.979	66.166	0.1865	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.186
Gulf Coast	OK	Hughes	66.166	66.301	0.1347	OK063	Verdigris silt loam, 0 to 2 percent slopes, frequently flooded	0.135
Gulf Coast	OK	Hughes	66.301	66.479	0.1781	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.178
Gulf Coast	OK	Hughes	66.479	66.515	0.0361	OK063	Verdigris silt loam, 0 to 2 percent slopes, frequently flooded	0.036
Gulf Coast	OK	Hughes	66.515	67.316	0.8011	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.801
Gulf Coast	OK	Hughes	67.316	67.377	0.0613	OK063	Verdigris silt loam, 0 to 2 percent slopes, frequently flooded	0.061
Gulf Coast	OK	Hughes	67.377	67.428	0.0511	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.051
Gulf Coast	OK	Hughes	67.428	67.467	0.0390	OK063	Verdigris silt loam, 0 to 2 percent slopes, frequently flooded	0.039
Gulf Coast	OK	Hughes	67.467	67.521	0.0542	OK063	Osage clay, 0 to 1 percent slopes, occasionally flooded	0.054
Gulf Coast	OK	Hughes	67.521	67.574	0.0529	OK063	Wann loam, 0 to 1 percent slopes	0.021
Gulf Coast	OK	Hughes	67.574	67.821	0.2470	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.185
Gulf Coast	OK	Hughes	67.821	67.888	0.0665	OK063	Wann loam, 0 to 1 percent slopes	0.027
Gulf Coast	OK	Hughes	67.888	68.351	0.4636	OK063	Clearview fine sandy loam, 1 to 3 percent slopes	0.464
Gulf Coast	OK	Hughes	68.351	68.364	0.0128	OK063	Dennis loam, 1 to 3 percent slopes	0.013
Gulf Coast	OK	Hughes	68.364	68.477	0.1128	OK063	Clearview fine sandy loam, 1 to 3 percent slopes	0.113
Gulf Coast	OK	Hughes	68.477	68.655	0.1782	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.178
Gulf Coast	OK	Hughes	68.655	68.841	0.1860	OK063	Stidham loamy fine sand, 0 to 2 percent slopes	0.186
Gulf Coast	OK	Hughes	68.841	69.271	0.4297	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.430
Gulf Coast	OK	Hughes	69.271	69.345	0.0739	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.074
Gulf Coast	OK	Hughes	69.345	69.551	0.2059	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.206
Gulf Coast	OK	Hughes	69.551	69.820	0.2692	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.269
Gulf Coast	OK	Hughes	69.820	69.854	0.0343	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.034
Gulf Coast	OK	Hughes	69.854	69.898	0.0437	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.044
Gulf Coast	OK	Hughes	70.109	70.177	0.0676	OK063	Wynona clay loam, 0 to 1 percent slopes, occasionally flooded	0.068
Gulf Coast	OK	Hughes	70.177	70.500	0.3236	OK063	Osage clay, 0 to 1 percent slopes, occasionally flooded	0.324
Gulf Coast	OK	Hughes	70.526	70.569	0.0428	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.043
Gulf Coast	OK	Hughes	70.569	70.759	0.1901	OK063	Wann loam, 0 to 1 percent slopes	0.076
Gulf Coast	OK	Hughes	70.759	70.872	0.1137	OK063	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.114
Gulf Coast	OK	Hughes	70.872	70.967	0.0947	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.095
Gulf Coast	OK	Hughes	70.967	70.970	0.0028	OK063	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.003
Gulf Coast	OK	Hughes	70.970	71.077	0.1071	OK063	Wann loam, 0 to 1 percent slopes	0.043
Gulf Coast	OK	Hughes	71.077	71.379	0.3023	OK063	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.302
Gulf Coast	OK	Hughes	71.379	71.572	0.1927	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.145
Gulf Coast	OK	Hughes	71.572	71.631	0.0587	OK063	Clearview fine sandy loam, 3 to 5 percent slopes	0.059

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	OK	Hughes	71.631	71.741	0.1104	OK063	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.110
Gulf Coast	OK	Hughes	71.741	71.961	0.2201	OK063	Wann loam, 0 to 1 percent slopes	0.088
Gulf Coast	OK	Hughes	71.961	72.040	0.0786	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.059
Gulf Coast	OK	Hughes	72.040	72.051	0.0109	OK063	Wann loam, 0 to 1 percent slopes	0.004
Gulf Coast	OK	Hughes	72.051	72.162	0.1116	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.084
Gulf Coast	OK	Hughes	72.162	72.224	0.0614	OK063	Wann loam, 0 to 1 percent slopes	0.025
Gulf Coast	OK	Hughes	72.224	72.321	0.0972	OK063	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.097
Gulf Coast	OK	Hughes	72.321	72.430	0.1094	OK063	Wann loam, 0 to 1 percent slopes	0.044
Gulf Coast	OK	Hughes	72.430	72.628	0.1972	OK063	Clearview-Hector complex, 3 to 5 percent slopes, eroded	0.148
Gulf Coast	OK	Hughes	72.628	72.666	0.0386	OK063	Wann loam, 0 to 1 percent slopes	0.015
Gulf Coast	OK	Hughes	72.666	72.857	0.1904	OK063	Clearview-Hector complex, 3 to 5 percent slopes, eroded	0.143
Gulf Coast	OK	Hughes	72.857	72.917	0.0606	OK063	Wann loam, 0 to 1 percent slopes	0.024
Gulf Coast	OK	Hughes	72.917	73.041	0.1239	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.124
Gulf Coast	OK	Hughes	73.041	73.139	0.0980	OK063	Okay loam, 0 to 1 percent slopes	0.098
Gulf Coast	OK	Hughes	73.139	73.182	0.0424	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.042
Gulf Coast	OK	Hughes	73.182	73.224	0.0421	OK063	Okay loam, 0 to 1 percent slopes	0.042
Gulf Coast	OK	Hughes	73.224	73.418	0.1946	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.195
Gulf Coast	OK	Hughes	73.418	73.504	0.0860	OK063	Kamie fine sandy loam, 1 to 3 percent slopes	0.086
Gulf Coast	OK	Hughes	73.504	73.607	0.1027	OK063	Okay loam, 1 to 3 percent slopes	0.103
Gulf Coast	OK	Hughes	73.607	73.702	0.0945	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.095
Gulf Coast	OK	Hughes	73.702	73.933	0.2314	OK063	Kamie fine sandy loam, 1 to 3 percent slopes	0.231
Gulf Coast	OK	Hughes	73.933	74.067	0.1340	OK063	Wann loam, 0 to 1 percent slopes	0.054
Gulf Coast	OK	Hughes	74.945	75.112	0.1672	OK063	Larton-Glentosh complex, 8 to 20 percent slopes	0.109
Gulf Coast	OK	Hughes	75.112	75.145	0.0329	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely sto	0.007
Gulf Coast	OK	Hughes	75.145	75.438	0.2933	OK063	Wann loam, 0 to 1 percent slopes	0.117
Gulf Coast	OK	Hughes	75.438	75.587	0.1490	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.149
Gulf Coast	OK	Hughes	75.587	75.620	0.0325	OK063	Larton-Glentosh complex, 8 to 20 percent slopes	0.021
Gulf Coast	OK	Hughes	75.620	75.640	0.0198	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.020
Gulf Coast	OK	Hughes	75.640	75.683	0.0430	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.043
Gulf Coast	OK	Hughes	75.683	75.868	0.1849	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.185
Gulf Coast	OK	Hughes	75.868	75.952	0.0846	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.085
Gulf Coast	OK	Hughes	76.020	76.057	0.0364	OK063	Verdigris silt loam, 0 to 2 percent slopes, frequently flooded	0.036
Gulf Coast	OK	Hughes	76.137	76.182	0.0450	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.045
Gulf Coast	OK	Hughes	76.182	76.305	0.1229	OK063	Wann loam, 0 to 1 percent slopes	0.049
Gulf Coast	OK	Hughes	76.305	76.655	0.3500	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.350
Gulf Coast	OK	Hughes	76.767	76.874	0.1069	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.107
Gulf Coast	OK	Hughes	76.874	76.903	0.0283	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.028
Gulf Coast	OK	Hughes	76.903	77.015	0.1122	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.112
Gulf Coast	OK	Hughes	77.015	77.150	0.1354	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.135
Gulf Coast	OK	Hughes	77.150	77.214	0.0639	OK063	Okay loam, 1 to 3 percent slopes	0.064
Gulf Coast	OK	Hughes	77.214	77.316	0.1020	OK063	Kamie fine sandy loam, 1 to 3 percent slopes	0.102
Gulf Coast	OK	Hughes	77.316	77.437	0.1207	OK063	Parsons silt loam, 0 to 1 percent slopes	0.121
Gulf Coast	OK	Hughes	77.437	77.537	0.0999	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.100
Gulf Coast	OK	Hughes	77.537	77.591	0.0544	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.054
Gulf Coast	OK	Hughes	77.591	77.800	0.2091	OK063	Dennis loam, 1 to 3 percent slopes	0.209
Gulf Coast	OK	Hughes	77.800	77.928	0.1276	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.128
Gulf Coast	OK	Hughes	77.928	78.153	0.2252	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.225
Gulf Coast	OK	Hughes	78.153	78.259	0.1065	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.075
Gulf Coast	OK	Hughes	78.259	78.340	0.0808	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.081
Gulf Coast	OK	Hughes	78.340	78.445	0.1051	OK063	Dennis loam, 1 to 3 percent slopes	0.105
Gulf Coast	OK	Hughes	78.445	78.538	0.0928	OK063	Eram-Verdigris complex, 0 to 20 percent slopes	0.093
Gulf Coast	OK	Hughes	78.538	78.591	0.0530	OK063	Parsons silt loam, 0 to 1 percent slopes	0.053
Gulf Coast	OK	Hughes	78.591	78.649	0.0576	OK063	Eram-Verdigris complex, 0 to 20 percent slopes	0.058
Gulf Coast	OK	Hughes	78.649	78.683	0.0342	OK063	Dennis loam, 1 to 3 percent slopes	0.034
Gulf Coast	OK	Hughes	78.683	78.833	0.1497	OK063	Dennis loam, 3 to 5 percent slopes, eroded	0.150
Gulf Coast	OK	Hughes	78.833	78.933	0.1004	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.100
Gulf Coast	OK	Hughes	78.933	78.969	0.0358	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.036
Gulf Coast	OK	Hughes	78.969	79.015	0.0467	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.047
Gulf Coast	OK	Hughes	79.015	79.038	0.0228	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.023
Gulf Coast	OK	Hughes	79.038	79.144	0.1062	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.106
Gulf Coast	OK	Hughes	79.595	79.696	0.1003	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.100
Gulf Coast	OK	Hughes	79.696	79.759	0.0634	OK063	Verdigris silt loam, 0 to 2 percent slopes, frequently flooded	0.063
Gulf Coast	OK	Hughes	79.759	79.876	0.1166	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.117
Gulf Coast	OK	Hughes	79.876	80.093	0.2178	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.218
Gulf Coast	OK	Hughes	80.093	80.247	0.1532	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.153
Gulf Coast	OK	Hughes	80.247	80.299	0.0523	OK063	Verdigris silt loam, 0 to 2 percent slopes, frequently flooded	0.052
Gulf Coast	OK	Hughes	80.299	80.352	0.0526	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.053
Gulf Coast	OK	Hughes	80.352	80.440	0.0884	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.088
Gulf Coast	OK	Hughes	80.440	80.649	0.2091	OK063	Kamie loamy fine sand, 3 to 8 percent slopes	0.209
Gulf Coast	OK	Hughes	80.649	80.818	0.1695	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.169
Gulf Coast	OK	Hughes	80.818	81.077	0.2589	OK063	Stidham loamy fine sand, 0 to 2 percent slopes	0.259
Gulf Coast	OK	Hughes	81.077	81.108	0.0306	OK063	Kamie loamy fine sand, 3 to 8 percent slopes, severely eroded	0.031
Gulf Coast	OK	Hughes	81.108	81.236	0.1279	OK063	Stidham loamy fine sand, 0 to 2 percent slopes	0.128

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	OK	Hughes	81.236	81.309	0.0727	OK063	Okay loam, 0 to 1 percent slopes	0.073
Gulf Coast	OK	Hughes	81.309	81.435	0.1265	OK063	Stidham loamy fine sand, 0 to 2 percent slopes	0.127
Gulf Coast	OK	Hughes	81.435	82.554	1.1193	OK063	Wann loam, 0 to 1 percent slopes	0.448
Gulf Coast	OK	Hughes	82.554	82.801	0.2467	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.185
Gulf Coast	OK	Hughes	82.801	83.199	0.3981	OK063	Wann loam, 0 to 1 percent slopes	0.159
Gulf Coast	OK	Hughes	83.199	83.312	0.1124	OK063	Clearview-Hector complex, 3 to 5 percent slopes, eroded	0.084
Gulf Coast	OK	Hughes	83.312	83.330	0.0189	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.014
Gulf Coast	OK	Hughes	83.330	83.395	0.0644	OK063	Clearview-Hector complex, 3 to 5 percent slopes, eroded	0.048
Gulf Coast	OK	Hughes	83.395	83.424	0.0288	OK063	Clearview fine sandy loam, 1 to 3 percent slopes	0.029
Gulf Coast	OK	Hughes	83.424	83.673	0.2491	OK063	Clearview-Hector complex, 3 to 5 percent slopes, eroded	0.187
Gulf Coast	OK	Hughes	83.673	83.750	0.0777	OK063	Wann loam, 0 to 1 percent slopes	0.031
Gulf Coast	OK	Hughes	83.750	83.864	0.1133	OK063	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.113
Gulf Coast	OK	Hughes	83.864	83.936	0.0725	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.072
Gulf Coast	OK	Hughes	83.936	84.233	0.2971	OK063	Dennis loam, 3 to 5 percent slopes	0.297
Gulf Coast	OK	Hughes	84.233	84.267	0.0338	OK063	Bates fine sandy loam, 3 to 5 percent slopes	0.034
Gulf Coast	OK	Hughes	84.267	84.321	0.0540	OK063	Dennis loam, 2 to 8 percent slopes, severely eroded	0.054
Gulf Coast	OK	Hughes	84.321	84.369	0.0477	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.037
Gulf Coast	OK	Hughes	84.369	84.401	0.0325	OK063	Eram-Verdigris complex, 0 to 20 percent slopes	0.033
Gulf Coast	OK	Hughes	84.401	84.580	0.1789	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.138
Gulf Coast	OK	Hughes	84.580	84.702	0.1222	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.122
Gulf Coast	OK	Hughes	84.702	84.853	0.1504	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely sto	0.030
Gulf Coast	OK	Hughes	84.853	84.934	0.0812	OK063	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.081
Gulf Coast	OK	Hughes	84.934	84.963	0.0289	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely sto	0.006
Gulf Coast	OK	Hughes	84.963	85.071	0.1077	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.108
Gulf Coast	OK	Hughes	85.071	85.096	0.0253	OK063	Wann loam, 0 to 1 percent slopes	0.010
Gulf Coast	OK	Hughes	85.096	85.135	0.0386	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely sto	0.008
Gulf Coast	OK	Hughes	85.135	85.214	0.0797	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.060
Gulf Coast	OK	Hughes	85.214	85.216	0.0014	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely sto	0.000
Gulf Coast	OK	Hughes	85.216	85.504	0.2888	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.217
Gulf Coast	OK	Hughes	85.504	85.559	0.0542	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely sto	0.011
Gulf Coast	OK	Hughes	85.559	85.598	0.0396	OK063	Wann loam, 0 to 1 percent slopes	0.016
Gulf Coast	OK	Hughes	85.598	85.638	0.0401	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.028
Gulf Coast	OK	Hughes	85.638	85.666	0.0276	OK063	Dennis loam, 3 to 5 percent slopes, eroded	0.028
Gulf Coast	OK	Hughes	85.666	85.777	0.1112	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.086
Gulf Coast	OK	Hughes	85.777	85.782	0.0053	OK063	Wann loam, 0 to 1 percent slopes	0.002
Gulf Coast	OK	Hughes	85.782	85.846	0.0634	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.063
Gulf Coast	OK	Hughes	85.846	85.905	0.0588	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.045
Gulf Coast	OK	Hughes	85.905	85.951	0.0468	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.033
Gulf Coast	OK	Hughes	85.951	86.180	0.2288	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.176
Gulf Coast	OK	Hughes	86.180	86.329	0.1493	OK063	Bates fine sandy loam, 3 to 5 percent slopes	0.149
Gulf Coast	OK	Hughes	86.329	86.530	0.2009	OK063	Wann loam, 0 to 1 percent slopes	0.080
Gulf Coast	OK	Hughes	86.530	86.547	0.0167	OK063	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	0.017
Gulf Coast	OK	Hughes	86.547	86.784	0.2366	OK063	Osage clay, 0 to 1 percent slopes, occasionally flooded	0.237
Gulf Coast	OK	Coal	86.784	87.145	0.3619	OK029	Kaufman silty clay, 0 to 1 percent slopes, occasionally flooded	0.326
Gulf Coast	OK	Coal	87.145	87.204	0.0582	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.022
Gulf Coast	OK	Coal	87.204	87.383	0.1793	OK029	Rexor loam, 0 to 1 percent slopes, occasionally flooded	0.170
Gulf Coast	OK	Coal	87.383	87.441	0.0585	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.056
Gulf Coast	OK	Coal	87.441	87.583	0.1418	OK029	Kaufman silty clay, 0 to 1 percent slopes, occasionally flooded	0.128
Gulf Coast	OK	Coal	87.583	87.602	0.0186	OK029	Bosville loam, 3 to 5 percent slopes	0.018
Gulf Coast	OK	Coal	87.602	87.770	0.1685	OK029	Steedman clay loam, 3 to 5 percent slopes	0.152
Gulf Coast	OK	Coal	87.770	87.811	0.0406	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.026
Gulf Coast	OK	Coal	87.811	87.848	0.0369	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.014
Gulf Coast	OK	Coal	87.848	88.021	0.1729	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.112
Gulf Coast	OK	Coal	88.021	88.301	0.2808	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.197
Gulf Coast	OK	Coal	88.301	89.422	1.1201	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.728
Gulf Coast	OK	Coal	89.422	89.440	0.0190	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.013
Gulf Coast	OK	Coal	89.440	89.735	0.2941	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.191
Gulf Coast	OK	Coal	89.735	89.837	0.1021	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.071
Gulf Coast	OK	Coal	89.837	89.932	0.0958	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.077
Gulf Coast	OK	Coal	89.932	89.980	0.0472	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.045
Gulf Coast	OK	Coal	89.980	90.039	0.0596	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.057
Gulf Coast	OK	Coal	90.039	90.082	0.0423	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.028
Gulf Coast	OK	Coal	90.082	90.108	0.0269	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.019
Gulf Coast	OK	Coal	90.108	90.195	0.0867	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.056
Gulf Coast	OK	Coal	90.195	90.221	0.0259	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.025
Gulf Coast	OK	Coal	90.221	90.364	0.1427	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.093
Gulf Coast	OK	Coal	90.364	90.571	0.2077	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.197
Gulf Coast	OK	Coal	90.571	90.654	0.0824	OK029	Clearview fine sandy loam, 1 to 3 percent slopes	0.078
Gulf Coast	OK	Coal	90.654	90.671	0.0167	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.016
Gulf Coast	OK	Coal	90.671	90.866	0.1951	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.185
Gulf Coast	OK	Coal	90.866	90.913	0.0471	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.040
Gulf Coast	OK	Coal	90.913	91.043	0.1304	OK029	Clearview fine sandy loam, 1 to 3 percent slopes	0.124
Gulf Coast	OK	Coal	91.043	91.298	0.2549	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.242

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	OK	Coal	91.298	91.317	0.0186	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.018
Gulf Coast	OK	Coal	91.317	91.449	0.1324	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.113
Gulf Coast	OK	Coal	91.449	91.633	0.1842	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.120
Gulf Coast	OK	Coal	91.633	91.752	0.1187	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.113
Gulf Coast	OK	Coal	91.752	91.839	0.0875	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.057
Gulf Coast	OK	Coal	91.839	91.900	0.0601	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.057
Gulf Coast	OK	Coal	91.900	91.976	0.0769	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.050
Gulf Coast	OK	Coal	91.976	92.096	0.1197	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.102
Gulf Coast	OK	Coal	92.096	92.147	0.0509	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.041
Gulf Coast	OK	Coal	92.147	92.170	0.0231	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.022
Gulf Coast	OK	Coal	92.170	92.176	0.0058	OK029	Dennis loam, 1 to 3 percent slopes	0.005
Gulf Coast	OK	Coal	92.176	92.234	0.0575	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.022
Gulf Coast	OK	Coal	92.234	92.284	0.0506	OK029	Dennis loam, 1 to 3 percent slopes	0.046
Gulf Coast	OK	Coal	92.284	92.394	0.1094	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, severely erode	0.104
Gulf Coast	OK	Coal	92.394	92.430	0.0361	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.023
Gulf Coast	OK	Coal	92.430	92.481	0.0514	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.036
Gulf Coast	OK	Coal	92.481	92.526	0.0454	OK029	Dennis loam, 3 to 5 percent slopes	0.043
Gulf Coast	OK	Coal	92.526	92.560	0.0333	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.013
Gulf Coast	OK	Coal	92.560	92.596	0.0366	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.026
Gulf Coast	OK	Coal	92.596	92.673	0.0767	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.061
Gulf Coast	OK	Coal	92.673	92.730	0.0568	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.054
Gulf Coast	OK	Coal	92.730	92.757	0.0271	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.010
Gulf Coast	OK	Coal	92.757	92.788	0.0308	OK029	Bates fine sandy loam, 3 to 5 percent slopes	0.029
Gulf Coast	OK	Coal	92.788	92.855	0.0669	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.025
Gulf Coast	OK	Coal	92.855	92.949	0.0948	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.076
Gulf Coast	OK	Coal	92.949	93.065	0.1156	OK029	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.110
Gulf Coast	OK	Coal	93.065	93.164	0.0993	OK029	Steedman clay loam, 3 to 5 percent slopes	0.089
Gulf Coast	OK	Coal	93.164	93.211	0.0467	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.044
Gulf Coast	OK	Coal	93.211	93.311	0.1002	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.090
Gulf Coast	OK	Coal	93.311	93.329	0.0184	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.013
Gulf Coast	OK	Coal	93.329	93.370	0.0405	OK029	Steedman clay loam, 3 to 5 percent slopes	0.036
Gulf Coast	OK	Coal	93.370	93.525	0.1553	OK029	Dennis loam, 3 to 5 percent slopes	0.148
Gulf Coast	OK	Coal	93.525	93.651	0.1262	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.120
Gulf Coast	OK	Coal	93.651	93.771	0.1197	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.096
Gulf Coast	OK	Coal	93.771	93.829	0.0583	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.055
Gulf Coast	OK	Coal	93.829	93.888	0.0586	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.053
Gulf Coast	OK	Coal	93.888	93.945	0.0572	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.040
Gulf Coast	OK	Coal	93.945	94.109	0.1634	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.106
Gulf Coast	OK	Coal	94.109	94.219	0.1101	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.105
Gulf Coast	OK	Coal	94.219	94.290	0.0709	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, severely erode	0.067
Gulf Coast	OK	Coal	94.290	94.386	0.0967	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.037
Gulf Coast	OK	Coal	94.386	94.471	0.0851	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.068
Gulf Coast	OK	Coal	94.471	94.518	0.0468	OK029	Bosville loam, 3 to 5 percent slopes	0.044
Gulf Coast	OK	Coal	94.518	94.583	0.0648	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.025
Gulf Coast	OK	Coal	94.583	94.686	0.1033	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.072
Gulf Coast	OK	Coal	94.686	94.785	0.0988	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.094
Gulf Coast	OK	Coal	94.785	94.859	0.0737	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.052
Gulf Coast	OK	Coal	94.859	94.909	0.0505	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.033
Gulf Coast	OK	Coal	94.909	95.070	0.1611	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.153
Gulf Coast	OK	Coal	95.070	95.128	0.0572	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.054
Gulf Coast	OK	Coal	95.128	95.226	0.0981	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.069
Gulf Coast	OK	Coal	95.226	95.382	0.1566	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.141
Gulf Coast	OK	Coal	95.382	95.464	0.0816	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.065
Gulf Coast	OK	Coal	95.464	95.514	0.0504	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.045
Gulf Coast	OK	Coal	95.514	95.637	0.1231	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.086
Gulf Coast	OK	Coal	95.637	95.674	0.0371	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.014
Gulf Coast	OK	Coal	95.674	95.744	0.0698	OK029	Dennis loam, 1 to 3 percent slopes	0.063
Gulf Coast	OK	Coal	95.744	95.948	0.2041	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.143
Gulf Coast	OK	Coal	95.948	96.094	0.1459	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.139
Gulf Coast	OK	Coal	96.094	96.176	0.0819	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.053
Gulf Coast	OK	Coal	96.176	96.273	0.0968	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.068
Gulf Coast	OK	Coal	96.273	96.349	0.0758	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.072
Gulf Coast	OK	Coal	96.349	96.411	0.0618	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.056
Gulf Coast	OK	Coal	96.411	96.645	0.2348	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.164
Gulf Coast	OK	Coal	96.645	96.693	0.0474	OK029	Steedman clay loam, 3 to 5 percent slopes	0.043
Gulf Coast	OK	Coal	96.693	96.766	0.0727	OK029	Dennis loam, 3 to 5 percent slopes	0.069
Gulf Coast	OK	Coal	96.766	96.819	0.0531	OK029	Steedman clay loam, 3 to 5 percent slopes	0.048
Gulf Coast	OK	Coal	96.819	96.908	0.0897	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.063
Gulf Coast	OK	Coal	96.908	96.986	0.0774	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.074
Gulf Coast	OK	Coal	96.986	97.199	0.2131	OK029	Pharoah silt loam, 0 to 1 percent slopes	0.202
Gulf Coast	OK	Coal	97.199	97.273	0.0740	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.028
Gulf Coast	OK	Coal	97.273	97.372	0.0994	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.094
Gulf Coast	OK	Coal	97.372	97.472	0.0998	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.090

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	OK	Coal	97.472	97.538	0.0657	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.056
Gulf Coast	OK	Coal	97.538	97.598	0.0607	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.049
Gulf Coast	OK	Coal	97.598	97.637	0.0385	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.015
Gulf Coast	OK	Coal	97.637	97.715	0.0783	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.051
Gulf Coast	OK	Coal	97.715	97.772	0.0568	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.054
Gulf Coast	OK	Coal	97.772	97.794	0.0224	OK029	Parsons silt loam, 1 to 3 percent slopes	0.021
Gulf Coast	OK	Coal	97.794	97.970	0.1760	OK029	Steedman clay loam, 3 to 5 percent slopes	0.158
Gulf Coast	OK	Coal	97.970	98.023	0.0530	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.037
Gulf Coast	OK	Coal	98.023	98.072	0.0488	OK029	Steedman clay loam, 3 to 5 percent slopes	0.044
Gulf Coast	OK	Coal	98.072	98.173	0.1004	OK029	Dennis loam, 3 to 5 percent slopes	0.095
Gulf Coast	OK	Coal	98.173	98.271	0.0983	OK029	Parsons silt loam, 1 to 3 percent slopes	0.093
Gulf Coast	OK	Coal	98.271	98.273	0.0024	OK029	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.002
Gulf Coast	OK	Coal	98.273	98.402	0.1290	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.103
Gulf Coast	OK	Coal	98.402	98.603	0.2003	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.190
Gulf Coast	OK	Coal	98.603	98.621	0.0183	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.015
Gulf Coast	OK	Coal	98.621	98.702	0.0812	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.057
Gulf Coast	OK	Coal	98.702	98.729	0.0270	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.018
Gulf Coast	OK	Coal	98.729	98.746	0.0170	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.015
Gulf Coast	OK	Coal	98.746	98.879	0.1331	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.087
Gulf Coast	OK	Coal	98.879	98.965	0.0855	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.077
Gulf Coast	OK	Coal	98.965	99.048	0.0832	OK029	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.079
Gulf Coast	OK	Coal	99.048	99.245	0.1970	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.187
Gulf Coast	OK	Coal	99.245	99.309	0.0640	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.042
Gulf Coast	OK	Coal	99.309	99.361	0.0518	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.049
Gulf Coast	OK	Coal	99.361	99.436	0.0751	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.071
Gulf Coast	OK	Coal	99.436	99.514	0.0782	OK029	Lightning-Healdton complex, 0 to 1 percent slopes, occasionally	0.074
Gulf Coast	OK	Coal	99.514	99.689	0.1746	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.166
Gulf Coast	OK	Coal	99.689	99.729	0.0408	OK029	Steedman-Dela complex, 5 to 30 percent slopes	0.015
Gulf Coast	OK	Coal	99.729	99.877	0.1476	OK029	Parsons silt loam, 1 to 3 percent slopes	0.140
Gulf Coast	OK	Coal	99.877	99.905	0.0281	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.022
Gulf Coast	OK	Coal	99.905	99.950	0.0453	OK029	Parsons silt loam, 1 to 3 percent slopes	0.043
Gulf Coast	OK	Coal	99.950	99.996	0.0458	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.037
Gulf Coast	OK	Coal	99.996	100.009	0.0131	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.012
Gulf Coast	OK	Coal	100.009	100.076	0.0666	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.053
Gulf Coast	OK	Coal	100.076	100.313	0.2371	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.154
Gulf Coast	OK	Coal	100.313	100.389	0.0765	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.073
Gulf Coast	OK	Coal	100.389	100.589	0.2000	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.130
Gulf Coast	OK	Coal	100.589	100.630	0.0405	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.015
Gulf Coast	OK	Coal	100.630	100.710	0.0803	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.052
Gulf Coast	OK	Coal	100.710	100.964	0.2537	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.241
Gulf Coast	OK	Coal	100.964	101.443	0.4792	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.311
Gulf Coast	OK	Coal	101.443	101.528	0.0848	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.059
Gulf Coast	OK	Coal	101.528	101.570	0.0423	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.028
Gulf Coast	OK	Coal	101.570	101.679	0.1084	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.103
Gulf Coast	OK	Coal	101.679	101.853	0.1747	OK029	Dennis loam, 1 to 3 percent slopes	0.157
Gulf Coast	OK	Coal	101.853	101.906	0.0529	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.020
Gulf Coast	OK	Coal	101.906	102.004	0.0973	OK029	Bates fine sandy loam, 3 to 5 percent slopes	0.092
Gulf Coast	OK	Coal	102.004	102.025	0.0211	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.020
Gulf Coast	OK	Coal	102.025	102.079	0.0544	OK029	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.052
Gulf Coast	OK	Coal	102.079	102.122	0.0429	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.028
Gulf Coast	OK	Coal	102.122	102.157	0.0352	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.013
Gulf Coast	OK	Coal	102.157	102.559	0.4012	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.261
Gulf Coast	OK	Coal	102.559	102.678	0.1197	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.045
Gulf Coast	OK	Coal	102.678	102.902	0.2238	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.145
Gulf Coast	OK	Coal	102.902	102.917	0.0146	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.010
Gulf Coast	OK	Coal	102.917	103.038	0.1213	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.097
Gulf Coast	OK	Coal	103.038	103.127	0.0887	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.084
Gulf Coast	OK	Coal	103.127	103.169	0.0424	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.040
Gulf Coast	OK	Coal	103.169	103.185	0.0164	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.013
Gulf Coast	OK	Coal	103.185	103.311	0.1257	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.119
Gulf Coast	OK	Coal	103.311	103.340	0.0293	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.023
Gulf Coast	OK	Coal	103.340	103.441	0.1007	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.096
Gulf Coast	OK	Coal	103.441	103.594	0.1533	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.123
Gulf Coast	OK	Coal	103.594	103.635	0.0407	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.015
Gulf Coast	OK	Coal	103.635	103.772	0.1366	OK029	Steedman clay loam, 3 to 5 percent slopes	0.123
Gulf Coast	OK	Coal	103.772	104.174	0.4028	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.282
Gulf Coast	OK	Coal	104.174	104.227	0.0522	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.050
Gulf Coast	OK	Coal	104.227	104.297	0.0699	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.066
Gulf Coast	OK	Coal	104.297	104.388	0.0914	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.078
Gulf Coast	OK	Coal	104.388	104.437	0.0490	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.032
Gulf Coast	OK	Coal	104.437	104.590	0.1527	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.145
Gulf Coast	OK	Coal	104.590	104.981	0.3911	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.254
Gulf Coast	OK	Coal	104.981	105.165	0.1837	OK029	Clearview fine sandy loam, 1 to 3 percent slopes	0.174

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Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	OK	Coal	105.165	105.216	0.0519	OK029	Dennis loam, 3 to 5 percent slopes	0.049
Gulf Coast	OK	Coal	105.216	105.374	0.1580	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.103
Gulf Coast	OK	Coal	105.374	105.430	0.0554	OK029	Clearview fine sandy loam, 1 to 3 percent slopes	0.053
Gulf Coast	OK	Coal	105.430	105.501	0.0708	OK029	Dennis loam, 3 to 5 percent slopes	0.067
Gulf Coast	OK	Coal	105.501	105.586	0.0855	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.081
Gulf Coast	OK	Coal	105.586	105.694	0.1083	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.070
Gulf Coast	OK	Coal	105.694	105.753	0.0581	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.055
Gulf Coast	OK	Coal	105.753	105.866	0.1133	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.108
Gulf Coast	OK	Coal	105.866	105.996	0.1299	OK029	Parsons silt loam, 1 to 3 percent slopes	0.123
Gulf Coast	OK	Coal	105.996	106.031	0.0351	OK029	Dennis loam, 1 to 3 percent slopes	0.032
Gulf Coast	OK	Coal	106.031	106.059	0.0286	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.020
Gulf Coast	OK	Coal	106.059	106.173	0.1132	OK029	Dennis loam, 1 to 3 percent slopes	0.102
Gulf Coast	OK	Coal	106.173	106.233	0.0605	OK029	Parsons silt loam, 1 to 3 percent slopes	0.057
Gulf Coast	OK	Coal	106.233	106.262	0.0288	OK029	Steedman-Dela complex, 5 to 30 percent slopes	0.010
Gulf Coast	OK	Coal	106.262	106.301	0.0389	OK029	Parsons silt loam, 1 to 3 percent slopes	0.037
Gulf Coast	OK	Coal	106.301	106.383	0.0823	OK029	Bates fine sandy loam, 3 to 5 percent slopes	0.078
Gulf Coast	OK	Coal	106.383	106.432	0.0485	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.046
Gulf Coast	OK	Coal	106.432	106.492	0.0609	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.058
Gulf Coast	OK	Coal	106.492	106.535	0.0423	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.027
Gulf Coast	OK	Coal	106.535	106.621	0.0861	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.060
Gulf Coast	OK	Coal	106.621	106.654	0.0328	OK029	Bates fine sandy loam, 3 to 5 percent slopes	0.031
Gulf Coast	OK	Coal	106.654	106.757	0.1038	OK029	Parsons silt loam, 1 to 3 percent slopes	0.099
Gulf Coast	OK	Coal	106.757	106.847	0.0894	OK029	Parsons silt loam, 0 to 1 percent slopes	0.076
Gulf Coast	OK	Coal	106.847	107.287	0.4399	OK029	Parsons silt loam, 1 to 3 percent slopes	0.418
Gulf Coast	OK	Coal	107.287	107.408	0.1211	OK029	Pharoah silt loam, 0 to 1 percent slopes	0.115
Gulf Coast	OK	Coal	107.408	107.486	0.0783	OK029	Parsons silt loam, 1 to 3 percent slopes	0.074
Gulf Coast	OK	Coal	107.486	107.542	0.0559	OK029	Pharoah silt loam, 0 to 1 percent slopes	0.053
Gulf Coast	OK	Coal	107.542	107.560	0.0178	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, severely erode	0.017
Gulf Coast	OK	Coal	107.560	107.602	0.0422	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.027
Gulf Coast	OK	Coal	107.602	107.629	0.0268	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.025
Gulf Coast	OK	Coal	107.629	107.668	0.0392	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.015
Gulf Coast	OK	Coal	107.668	107.741	0.0725	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.062
Gulf Coast	OK	Coal	107.741	107.776	0.0350	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.013
Gulf Coast	OK	Coal	107.776	108.094	0.3187	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.303
Gulf Coast	OK	Coal	108.094	108.526	0.4321	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.410
Gulf Coast	OK	Coal	108.526	108.889	0.3623	OK029	Pharoah silt loam, 0 to 1 percent slopes	0.344
Gulf Coast	OK	Coal	108.889	108.934	0.0456	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.017
Gulf Coast	OK	Coal	108.934	109.018	0.0840	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.080
Gulf Coast	OK	Coal	109.018	109.129	0.1103	OK029	Dennis loam, 1 to 3 percent slopes	0.099
Gulf Coast	OK	Coal	109.129	109.231	0.1025	OK029	Wynona silt loam, 0 to 1 percent slopes, occasionally flooded	0.097
Gulf Coast	OK	Coal	109.231	109.418	0.1870	OK029	Dennis loam, 1 to 3 percent slopes	0.168
Gulf Coast	OK	Coal	109.418	109.460	0.0421	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.016
Gulf Coast	OK	Coal	109.460	109.484	0.0241	OK029	Clearview fine sandy loam, 3 to 5 percent slopes, eroded	0.020
Gulf Coast	OK	Coal	109.484	109.718	0.2339	OK029	Dennis loam, 1 to 3 percent slopes	0.211
Gulf Coast	OK	Coal	109.718	109.772	0.0537	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.020
Gulf Coast	OK	Coal	109.772	109.991	0.2190	OK029	Clearview fine sandy loam, 3 to 5 percent slopes	0.208
Gulf Coast	OK	Coal	109.991	110.282	0.2908	OK029	Bates fine sandy loam, 3 to 5 percent slopes	0.276
Gulf Coast	OK	Coal	110.282	110.361	0.0792	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.055
Gulf Coast	OK	Coal	110.361	110.399	0.0383	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.025
Gulf Coast	OK	Coal	110.399	110.675	0.2764	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.263
Gulf Coast	OK	Coal	110.675	110.694	0.0183	OK029	Clearview fine sandy loam, 1 to 3 percent slopes	0.017
Gulf Coast	OK	Coal	110.694	110.740	0.0463	OK029	Homa-Clearview complex, 3 to 5 percent slopes	0.044
Gulf Coast	OK	Coal	110.740	110.776	0.0359	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.023
Gulf Coast	OK	Coal	110.776	110.916	0.1399	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.098
Gulf Coast	OK	Coal	110.916	110.962	0.0465	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.018
Gulf Coast	OK	Coal	110.962	111.017	0.0542	OK029	Rexor loam, 0 to 1 percent slopes, occasionally flooded	0.052
Gulf Coast	OK	Coal	111.017	111.177	0.1600	OK029	Pharoah silt loam, 0 to 1 percent slopes	0.152
Gulf Coast	OK	Coal	111.177	111.393	0.2163	OK029	Dennis loam, 1 to 3 percent slopes	0.195
Gulf Coast	OK	Coal	111.393	111.436	0.0428	OK029	Dela and Wynona soils, 0 to 1 percent slopes, frequently flooded	0.016
Gulf Coast	OK	Coal	111.436	111.495	0.0589	OK029	Parsons silt loam, 1 to 3 percent slopes	0.056
Gulf Coast	OK	Coal	111.495	111.633	0.1382	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.131
Gulf Coast	OK	Coal	111.633	111.686	0.0526	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.042
Gulf Coast	OK	Coal	111.686	111.724	0.0385	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.037
Gulf Coast	OK	Coal	111.724	111.818	0.0944	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.075
Gulf Coast	OK	Coal	111.818	112.029	0.2107	OK029	Dennis loam, 3 to 5 percent slopes, eroded	0.200
Gulf Coast	OK	Coal	112.029	112.269	0.2399	OK029	Parsons silt loam, 1 to 3 percent slopes	0.228
Gulf Coast	OK	Coal	112.269	112.318	0.0486	OK029	Parsons silt loam, 0 to 1 percent slopes	0.041
Gulf Coast	OK	Coal	112.318	112.714	0.3964	OK029	Parsons silt loam, 1 to 3 percent slopes	0.377
Gulf Coast	OK	Coal	112.714	112.741	0.0271	OK029	Steedman-Dela complex, 5 to 30 percent slopes	0.010
Gulf Coast	OK	Coal	112.741	112.856	0.1145	OK029	Parsons silt loam, 1 to 3 percent slopes	0.109
Gulf Coast	OK	Coal	112.856	112.941	0.0852	OK029	Dennis loam, 1 to 3 percent slopes	0.077
Gulf Coast	OK	Atoka	112.941	112.962	0.0212	OK005	Dennis loam, 1 to 3 percent slopes	0.021
Gulf Coast	OK	Atoka	112.962	113.189	0.2273	OK005	Parsons silt loam, 1 to 3 percent slopes	0.227

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	OK	Atoka	113.189	113.409	0.2200	OK005	Bates fine sandy loam, 1 to 3 percent slopes	0.220
Gulf Coast	OK	Atoka	113.409	113.804	0.3943	OK005	Dennis loam, 1 to 3 percent slopes	0.394
Gulf Coast	OK	Atoka	113.804	113.854	0.0506	OK005	Parsons silt loam, 1 to 3 percent slopes	0.051
Gulf Coast	OK	Atoka	113.854	113.891	0.0373	OK005	Dennis loam, 1 to 3 percent slopes	0.037
Gulf Coast	OK	Atoka	113.891	113.990	0.0984	OK005	Dennis and Eram soils, 3 to 8 percent slopes, severely eroded	0.098
Gulf Coast	OK	Atoka	113.990	114.104	0.1140	OK005	Parsons silt loam, 1 to 3 percent slopes	0.114
Gulf Coast	OK	Atoka	114.104	114.185	0.0812	OK005	Eram clay loam, 3 to 5 percent slopes	0.081
Gulf Coast	OK	Atoka	114.185	114.296	0.1113	OK005	Parsons silt loam, 1 to 3 percent slopes	0.111
Gulf Coast	OK	Atoka	114.296	114.351	0.0545	OK005	Eram clay loam, 3 to 5 percent slopes	0.054
Gulf Coast	OK	Atoka	114.351	114.430	0.0797	OK005	Bates-Coweta complex, 3 to 5 percent slopes	0.080
Gulf Coast	OK	Atoka	114.430	114.557	0.1269	OK005	Eram clay loam, 3 to 5 percent slopes	0.127
Gulf Coast	OK	Atoka	114.557	114.623	0.0659	OK005	Parsons silt loam, 1 to 3 percent slopes, eroded	0.066
Gulf Coast	OK	Atoka	114.623	114.651	0.0275	OK005	Parsons silt loam, 1 to 3 percent slopes	0.027
Gulf Coast	OK	Atoka	114.651	114.898	0.2473	OK005	Parsons silt loam, 1 to 3 percent slopes, eroded	0.247
Gulf Coast	OK	Atoka	114.898	115.022	0.1236	OK005	Parsons silt loam, 1 to 3 percent slopes	0.124
Gulf Coast	OK	Atoka	115.022	115.072	0.0504	OK005	Dennis loam, 3 to 5 percent slopes, eroded	0.050
Gulf Coast	OK	Atoka	115.072	115.467	0.3951	OK005	Dennis loam, 1 to 3 percent slopes	0.395
Gulf Coast	OK	Atoka	115.467	115.712	0.2445	OK005	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.245
Gulf Coast	OK	Atoka	115.712	115.717	0.0057	OK005	Dennis loam, 1 to 3 percent slopes	0.006
Gulf Coast	OK	Atoka	115.717	115.826	0.1083	OK005	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.108
Gulf Coast	OK	Atoka	115.826	115.832	0.0060	OK005	Eram clay loam, 5 to 8 percent slopes	0.006
Gulf Coast	OK	Atoka	115.832	115.851	0.0194	OK005	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.019
Gulf Coast	OK	Atoka	115.851	115.959	0.1084	OK005	Eram clay loam, 5 to 8 percent slopes	0.108
Gulf Coast	OK	Atoka	115.959	116.026	0.0661	OK005	Bates-Coweta complex, 3 to 5 percent slopes	0.066
Gulf Coast	OK	Atoka	116.026	116.091	0.0657	OK005	Eram clay loam, 5 to 8 percent slopes	0.066
Gulf Coast	OK	Atoka	116.091	116.142	0.0507	OK005	Dennis loam, 1 to 3 percent slopes	0.051
Gulf Coast	OK	Atoka	116.142	116.232	0.0903	OK005	Parsons silt loam, 1 to 3 percent slopes	0.090
Gulf Coast	OK	Atoka	116.232	116.434	0.2020	OK005	Dennis loam, 3 to 5 percent slopes, eroded	0.202
Gulf Coast	OK	Atoka	116.434	116.575	0.1406	OK005	Parsons silt loam, 1 to 3 percent slopes, eroded	0.141
Gulf Coast	OK	Atoka	116.575	116.669	0.0943	OK005	Parsons silt loam, 1 to 3 percent slopes	0.094
Gulf Coast	OK	Atoka	116.669	116.714	0.0453	OK005	Dennis loam, 1 to 3 percent slopes	0.045
Gulf Coast	OK	Atoka	116.714	116.772	0.0576	OK005	Eram clay loam, 3 to 5 percent slopes	0.058
Gulf Coast	OK	Atoka	116.772	116.820	0.0479	OK005	Dennis loam, 1 to 3 percent slopes	0.048
Gulf Coast	OK	Atoka	116.820	116.852	0.0322	OK005	Eram clay loam, 3 to 5 percent slopes	0.032
Gulf Coast	OK	Atoka	116.852	116.951	0.0992	OK005	Eram clay loam, 5 to 8 percent slopes	0.099
Gulf Coast	OK	Atoka	116.951	116.967	0.0160	OK005	Dennis loam, 1 to 3 percent slopes	0.016
Gulf Coast	OK	Atoka	116.967	117.284	0.3163	OK005	Parsons silt loam, 1 to 3 percent slopes	0.316
Gulf Coast	OK	Atoka	117.284	117.643	0.3589	OK005	Dennis loam, 3 to 5 percent slopes, eroded	0.359
Gulf Coast	OK	Atoka	117.643	117.736	0.0930	OK005	Dennis and Eram soils, 3 to 8 percent slopes, severely eroded	0.093
Gulf Coast	OK	Atoka	117.736	117.797	0.0615	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.062
Gulf Coast	OK	Atoka	117.797	117.866	0.0689	OK005	Dennis and Eram soils, 3 to 8 percent slopes, severely eroded	0.069
Gulf Coast	OK	Atoka	117.866	117.920	0.0540	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.054
Gulf Coast	OK	Atoka	117.920	117.979	0.0592	OK005	Wrightsville silt loam, 0 to 1 percent slopes	0.059
Gulf Coast	OK	Atoka	117.979	118.100	0.1210	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.121
Gulf Coast	OK	Atoka	118.100	118.328	0.2274	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.227
Gulf Coast	OK	Atoka	118.328	118.530	0.2027	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.203
Gulf Coast	OK	Atoka	118.530	118.717	0.1866	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.187
Gulf Coast	OK	Atoka	118.717	118.734	0.0169	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.017
Gulf Coast	OK	Atoka	118.734	118.859	0.1257	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.126
Gulf Coast	OK	Atoka	118.859	118.927	0.0671	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.067
Gulf Coast	OK	Atoka	118.927	119.085	0.1582	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.158
Gulf Coast	OK	Atoka	119.085	119.153	0.0681	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.068
Gulf Coast	OK	Atoka	119.153	119.209	0.0565	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.057
Gulf Coast	OK	Atoka	119.209	119.414	0.2042	OK005	Stigler very fine sandy loam, 0 to 1 percent slopes	0.204
Gulf Coast	OK	Atoka	119.414	119.601	0.1877	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.188
Gulf Coast	OK	Atoka	119.601	119.774	0.1727	OK005	Bernow fine sandy loam, 0 to 1 percent slopes	0.173
Gulf Coast	OK	Atoka	119.774	120.060	0.2857	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.286
Gulf Coast	OK	Atoka	120.060	120.109	0.0494	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.049
Gulf Coast	OK	Atoka	120.109	120.268	0.1594	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.159
Gulf Coast	OK	Atoka	120.268	120.317	0.0487	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.049
Gulf Coast	OK	Atoka	120.317	120.495	0.1774	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.177
Gulf Coast	OK	Atoka	120.495	120.719	0.2248	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.225
Gulf Coast	OK	Atoka	120.719	120.759	0.0395	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.040
Gulf Coast	OK	Atoka	120.759	120.784	0.0255	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.026
Gulf Coast	OK	Atoka	120.784	120.891	0.1061	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.106
Gulf Coast	OK	Atoka	120.891	121.041	0.1500	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.150
Gulf Coast	OK	Atoka	121.041	121.099	0.0586	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.002
Gulf Coast	OK	Atoka	121.099	121.148	0.0487	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.049
Gulf Coast	OK	Atoka	121.148	121.313	0.1650	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.165
Gulf Coast	OK	Atoka	121.313	121.375	0.0618	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.062
Gulf Coast	OK	Atoka	121.375	121.419	0.0445	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.045
Gulf Coast	OK	Atoka	121.419	121.550	0.1305	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.130
Gulf Coast	OK	Atoka	121.550	121.651	0.1014	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.101

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	OK	Atoka	121.651	121.722	0.0708	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.071
Gulf Coast	OK	Atoka	121.722	122.048	0.3262	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.326
Gulf Coast	OK	Atoka	122.048	122.070	0.0220	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.022
Gulf Coast	OK	Atoka	122.070	122.189	0.1193	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.119
Gulf Coast	OK	Atoka	122.189	122.335	0.1457	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.006
Gulf Coast	OK	Atoka	122.335	122.397	0.0621	OK005	Guyton silt loam, 0 to 1 percent slopes, occasionally flooded	0.062
Gulf Coast	OK	Atoka	122.397	122.807	0.4103	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.016
Gulf Coast	OK	Atoka	122.807	122.960	0.1524	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.006
Gulf Coast	OK	Atoka	122.960	123.046	0.0859	OK005	Bernow-Romia complex, 8 to 12 percent slopes	0.086
Gulf Coast	OK	Atoka	123.046	123.068	0.0226	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.023
Gulf Coast	OK	Atoka	123.068	123.106	0.0374	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.037
Gulf Coast	OK	Atoka	123.106	123.310	0.2043	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.204
Gulf Coast	OK	Atoka	123.310	123.330	0.0199	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.020
Gulf Coast	OK	Atoka	123.330	123.430	0.1002	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.100
Gulf Coast	OK	Atoka	123.430	123.473	0.0429	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.043
Gulf Coast	OK	Atoka	123.473	123.587	0.1137	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.114
Gulf Coast	OK	Atoka	123.587	123.696	0.1091	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.109
Gulf Coast	OK	Atoka	123.696	123.786	0.0899	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.090
Gulf Coast	OK	Atoka	123.786	124.028	0.2419	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.010
Gulf Coast	OK	Atoka	124.028	124.089	0.0618	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.062
Gulf Coast	OK	Atoka	124.089	124.120	0.0310	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.031
Gulf Coast	OK	Atoka	124.120	124.141	0.0203	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.020
Gulf Coast	OK	Atoka	124.141	124.224	0.0831	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.083
Gulf Coast	OK	Atoka	124.224	124.283	0.0594	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.002
Gulf Coast	OK	Atoka	124.283	124.333	0.0496	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.050
Gulf Coast	OK	Atoka	124.333	124.469	0.1360	OK005	Bosville fine sandy loam, 3 to 5 percent slopes	0.136
Gulf Coast	OK	Atoka	124.469	124.485	0.0157	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.001
Gulf Coast	OK	Atoka	124.485	124.600	0.1158	OK005	Bosville fine sandy loam, 3 to 5 percent slopes	0.116
Gulf Coast	OK	Atoka	124.600	124.709	0.1086	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.109
Gulf Coast	OK	Atoka	124.709	124.764	0.0549	OK005	Bosville fine sandy loam, 3 to 5 percent slopes	0.055
Gulf Coast	OK	Atoka	124.764	124.836	0.0722	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.072
Gulf Coast	OK	Atoka	124.836	124.943	0.1067	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.107
Gulf Coast	OK	Atoka	124.943	125.265	0.3222	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.322
Gulf Coast	OK	Atoka	125.265	125.433	0.1682	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.168
Gulf Coast	OK	Atoka	125.433	125.571	0.1380	OK005	Boggy fine sandy loam, 0 to 1 percent slopes, frequently flooded	0.006
Gulf Coast	OK	Atoka	125.571	125.662	0.0910	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.091
Gulf Coast	OK	Atoka	125.662	125.838	0.1761	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.176
Gulf Coast	OK	Atoka	125.838	125.984	0.1454	OK005	Larue loamy fine sand, 3 to 8 percent slopes	0.145
Gulf Coast	OK	Atoka	125.984	126.118	0.1340	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.005
Gulf Coast	OK	Atoka	126.118	126.296	0.1784	OK005	Guyton silt loam, 0 to 1 percent slopes, occasionally flooded	0.178
Gulf Coast	OK	Atoka	126.296	126.629	0.3328	OK005	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	0.333
Gulf Coast	OK	Atoka	126.629	126.676	0.0472	OK005	Gowton clay loam, 0 to 1 percent slopes, occasionally flooded	0.042
Gulf Coast	OK	Atoka	126.676	126.692	0.0162	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently floo	0.015
Gulf Coast	OK	Atoka	126.706	126.726	0.0206	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently floo	0.019
Gulf Coast	OK	Atoka	126.726	126.818	0.0919	OK005	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	0.092
Gulf Coast	OK	Atoka	126.818	126.941	0.1225	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently floo	0.110
Gulf Coast	OK	Atoka	126.941	126.969	0.0284	OK005	Gowton clay loam, 0 to 1 percent slopes, occasionally flooded	0.026
Gulf Coast	OK	Atoka	126.969	127.078	0.1091	OK005	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	0.109
Gulf Coast	OK	Atoka	127.078	127.116	0.0384	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently floo	0.035
Gulf Coast	OK	Atoka	127.116	127.152	0.0355	OK005	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	0.036
Gulf Coast	OK	Atoka	127.152	127.332	0.1798	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.007
Gulf Coast	OK	Atoka	127.332	127.499	0.1671	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.167
Gulf Coast	OK	Atoka	127.499	127.643	0.1441	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.006
Gulf Coast	OK	Atoka	127.643	127.801	0.1583	OK005	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	0.158
Gulf Coast	OK	Atoka	127.801	127.924	0.1226	OK005	Guyton silt loam, 0 to 1 percent slopes, occasionally flooded	0.123
Gulf Coast	OK	Atoka	127.924	128.084	0.1596	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0.006
Gulf Coast	OK	Atoka	128.084	128.179	0.0960	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.096
Gulf Coast	OK	Atoka	128.179	128.204	0.0246	OK005	Bernow-Romia complex, 8 to 12 percent slopes	0.025
Gulf Coast	OK	Atoka	128.204	128.310	0.1062	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.106
Gulf Coast	OK	Atoka	128.310	128.460	0.1493	OK005	Larue loamy fine sand, 3 to 8 percent slopes	0.149
Gulf Coast	OK	Atoka	128.460	128.494	0.0346	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.035
Gulf Coast	OK	Atoka	128.494	128.542	0.0481	OK005	Larue loamy fine sand, 3 to 8 percent slopes	0.048
Gulf Coast	OK	Atoka	128.542	128.562	0.0197	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.020
Gulf Coast	OK	Atoka	128.562	128.797	0.2350	OK005	Larue loamy fine sand, 3 to 8 percent slopes	0.235
Gulf Coast	OK	Atoka	128.797	128.843	0.0459	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.046
Gulf Coast	OK	Atoka	128.843	128.882	0.0387	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.039
Gulf Coast	OK	Atoka	128.882	129.128	0.2461	OK005	Bernow-Romia complex, 8 to 12 percent slopes	0.246
Gulf Coast	OK	Atoka	129.128	129.222	0.0948	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.095
Gulf Coast	OK	Atoka	129.222	129.438	0.2157	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.216
Gulf Coast	OK	Atoka	129.438	129.534	0.0963	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.096
Gulf Coast	OK	Atoka	129.534	129.722	0.1879	OK005	Bernow-Romia complex, 8 to 12 percent slopes	0.188
Gulf Coast	OK	Atoka	129.722	129.746	0.0234	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.023
Gulf Coast	OK	Atoka	129.746	129.785	0.0395	OK005	Bernow-Romia complex, 8 to 12 percent slopes	0.040

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	OK	Atoka	129.785	129.831	0.0457	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.046
Gulf Coast	OK	Atoka	129.831	129.894	0.0636	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.064
Gulf Coast	OK	Atoka	129.894	129.995	0.1009	OK005	Bernow fine sandy loam, 3 to 5 percent slopes	0.101
Gulf Coast	OK	Atoka	129.995	130.003	0.0080	OK005	Bernow fine sandy loam, 1 to 3 percent slopes	0.008
Gulf Coast	OK	Atoka	130.003	130.083	0.0795	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.080
Gulf Coast	OK	Atoka	130.083	130.175	0.0924	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.092
Gulf Coast	OK	Atoka	130.175	130.200	0.0244	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.024
Gulf Coast	OK	Atoka	130.200	130.232	0.0324	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.032
Gulf Coast	OK	Atoka	130.232	130.259	0.0270	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.027
Gulf Coast	OK	Atoka	130.259	130.412	0.1533	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.153
Gulf Coast	OK	Atoka	130.412	130.571	0.1585	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.158
Gulf Coast	OK	Atoka	130.571	130.665	0.0946	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.095
Gulf Coast	OK	Atoka	130.665	130.737	0.0712	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.071
Gulf Coast	OK	Atoka	130.737	130.804	0.0676	OK005	Bernow fine sandy loam, 5 to 8 percent slopes	0.068
Gulf Coast	OK	Atoka	130.804	130.851	0.0469	OK005	Larue loamy fine sand, 0 to 3 percent slopes	0.047
Gulf Coast	OK	Atoka	130.851	130.898	0.0474	OK005	Dela fine sandy loam, 0 to 1 percent slopes, occasionally floode	0.002
Gulf Coast	OK	Atoka	130.898	130.941	0.0425	OK005	Gowton clay loam, 0 to 1 percent slopes, occasionally flooded	0.038
Gulf Coast	OK	Atoka	130.941	130.991	0.0499	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently floc	0.045
Gulf Coast	OK	Atoka	130.991	131.156	0.1650	OK005	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.165
Gulf Coast	OK	Atoka	131.156	131.207	0.0511	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently floc	0.046
Gulf Coast	OK	Atoka	131.207	131.520	0.3135	OK005	Bosville fine sandy loam, 3 to 5 percent slopes	0.314
Gulf Coast	OK	Atoka	131.520	131.625	0.1047	OK005	Hamden fine sandy loam, 0 to 2 percent slopes	0.105
Gulf Coast	OK	Atoka	131.625	131.735	0.1094	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.109
Gulf Coast	OK	Atoka	131.735	132.043	0.3089	OK005	Claremore-Catoosa complex, 1 to 3 percent slopes	0.309
Gulf Coast	OK	Atoka	132.043	132.045	0.0020	OK005	Durant loam, 1 to 3 percent slopes	0.002
Gulf Coast	OK	Atoka	132.045	132.283	0.2375	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.238
Gulf Coast	OK	Atoka	132.283	132.344	0.0608	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.061
Gulf Coast	OK	Atoka	132.344	132.364	0.0203	OK005	Tarrant cobbly clay, 1 to 8 percent slopes	0.020
Gulf Coast	OK	Atoka	132.364	132.376	0.0122	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.012
Gulf Coast	OK	Atoka	132.376	132.483	0.1069	OK005	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.107
Gulf Coast	OK	Atoka	132.483	132.529	0.0461	OK005	Kaufman-Gowton complex, 0 to 1 percent slopes, frequently floc	0.041
Gulf Coast	OK	Atoka	132.529	132.539	0.0093	OK005	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.009
Gulf Coast	OK	Atoka	132.539	132.634	0.0955	OK005	Tarrant cobbly clay, 1 to 8 percent slopes	0.095
Gulf Coast	OK	Atoka	132.634	132.709	0.0747	OK005	Heiden clay, 3 to 5 percent slopes	0.075
Gulf Coast	OK	Atoka	132.709	132.730	0.0212	OK005	Tarrant cobbly clay, 1 to 8 percent slopes	0.021
Gulf Coast	OK	Bryan	132.730	132.779	0.0487	OK013	Tarrant cobbly silty clay, 1 to 8 percent slopes	0.049
Gulf Coast	OK	Bryan	132.779	132.889	0.1105	OK013	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.110
Gulf Coast	OK	Bryan	132.889	132.988	0.0983	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.098
Gulf Coast	OK	Bryan	132.988	133.029	0.0413	OK013	Heiden stony clay, 3 to 5 percent slopes	0.041
Gulf Coast	OK	Bryan	133.029	133.050	0.0208	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.021
Gulf Coast	OK	Bryan	133.050	133.116	0.0667	OK013	Heiden stony clay, 3 to 5 percent slopes	0.067
Gulf Coast	OK	Bryan	133.116	133.449	0.3326	OK013	Burleson clay, 3 to 5 percent slopes	0.333
Gulf Coast	OK	Bryan	133.449	134.234	0.7850	OK013	Heiden stony clay, 3 to 5 percent slopes	0.785
Gulf Coast	OK	Bryan	134.234	134.287	0.0532	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.053
Gulf Coast	OK	Bryan	134.287	134.346	0.0586	OK013	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.059
Gulf Coast	OK	Bryan	134.346	134.403	0.0571	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.057
Gulf Coast	OK	Bryan	134.403	134.630	0.2274	OK013	Heiden stony clay, 3 to 5 percent slopes	0.227
Gulf Coast	OK	Bryan	134.630	134.717	0.0866	OK013	Burleson clay, 1 to 3 percent slopes	0.087
Gulf Coast	OK	Bryan	134.717	134.985	0.2681	OK013	Ferris clay, 1 to 5 percent slopes, eroded	0.268
Gulf Coast	OK	Bryan	134.985	135.035	0.0498	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.050
Gulf Coast	OK	Bryan	135.035	135.047	0.0120	OK013	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.012
Gulf Coast	OK	Bryan	135.047	135.081	0.0340	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.034
Gulf Coast	OK	Bryan	135.081	135.191	0.1102	OK013	San Saba-Tarrant complex, 1 to 8 percent slopes	0.110
Gulf Coast	OK	Bryan	135.191	135.284	0.0935	OK013	Ferris clay, 1 to 5 percent slopes, eroded	0.094
Gulf Coast	OK	Bryan	135.284	135.589	0.3041	OK013	Burleson clay, 1 to 3 percent slopes	0.304
Gulf Coast	OK	Bryan	135.589	136.223	0.6346	OK013	Ferris clay, 1 to 5 percent slopes, eroded	0.635
Gulf Coast	OK	Bryan	136.223	136.674	0.4508	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.451
Gulf Coast	OK	Bryan	136.674	136.734	0.0603	OK013	Frioton silty clay loam, 0 to 1 percent slopes, occasionally floode	0.060
Gulf Coast	OK	Bryan	136.734	136.833	0.0986	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.099
Gulf Coast	OK	Bryan	136.833	136.940	0.1073	OK013	Tarrant cobbly silty clay, 1 to 8 percent slopes	0.107
Gulf Coast	OK	Bryan	136.940	136.973	0.0327	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.033
Gulf Coast	OK	Bryan	136.973	137.051	0.0779	OK013	Tarrant cobbly silty clay, 1 to 8 percent slopes	0.078
Gulf Coast	OK	Bryan	137.051	137.197	0.1467	OK013	Burleson clay, 1 to 3 percent slopes	0.147
Gulf Coast	OK	Bryan	137.197	137.328	0.1309	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.131
Gulf Coast	OK	Bryan	137.328	137.451	0.1228	OK013	Burleson clay, 1 to 3 percent slopes	0.123
Gulf Coast	OK	Bryan	137.451	137.679	0.2284	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.228
Gulf Coast	OK	Bryan	137.679	137.724	0.0444	OK013	Heiden clay, 3 to 5 percent slopes	0.044
Gulf Coast	OK	Bryan	137.724	137.772	0.0486	OK013	Frioton silty clay loam, 0 to 1 percent slopes, occasionally floode	0.049
Gulf Coast	OK	Bryan	137.772	137.859	0.0862	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.086
Gulf Coast	OK	Bryan	137.859	137.949	0.0900	OK013	San Saba-Tarrant complex, 1 to 8 percent slopes	0.090
Gulf Coast	OK	Bryan	137.949	138.072	0.1231	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.123
Gulf Coast	OK	Bryan	138.072	138.156	0.0846	OK013	San Saba-Tarrant complex, 1 to 8 percent slopes	0.085
Gulf Coast	OK	Bryan	138.156	138.245	0.0886	OK013	Woodson silt loam, 0 to 1 percent slopes	0.089

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	OK	Bryan	138.245	138.457	0.2118	OK013	Durant loam, 3 to 5 percent slopes	0.212
Gulf Coast	OK	Bryan	138.457	138.585	0.1285	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.128
Gulf Coast	OK	Bryan	138.585	138.765	0.1795	OK013	Durant loam, 3 to 5 percent slopes	0.179
Gulf Coast	OK	Bryan	138.765	138.941	0.1761	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.176
Gulf Coast	OK	Bryan	138.941	138.963	0.0225	OK013	Dennis loam, 1 to 3 percent slopes	0.023
Gulf Coast	OK	Bryan	138.963	139.060	0.0969	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.097
Gulf Coast	OK	Bryan	139.060	139.259	0.1993	OK013	Durant loam, 3 to 5 percent slopes	0.199
Gulf Coast	OK	Bryan	139.259	139.312	0.0526	OK013	Frioton silty clay loam, 0 to 1 percent slopes, occasionally floode	0.053
Gulf Coast	OK	Bryan	139.312	139.377	0.0646	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.065
Gulf Coast	OK	Bryan	139.377	139.646	0.2691	OK013	Dennis loam, 1 to 3 percent slopes	0.269
Gulf Coast	OK	Bryan	139.646	139.697	0.0512	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.051
Gulf Coast	OK	Bryan	139.697	139.697	0.0002	OK013	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.000
Gulf Coast	OK	Bryan	139.697	139.819	0.1222	OK013	Dennis loam, 1 to 3 percent slopes	0.122
Gulf Coast	OK	Bryan	139.819	139.820	0.0010	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.001
Gulf Coast	OK	Bryan	139.820	139.822	0.0018	OK013	Dennis loam, 1 to 3 percent slopes	0.002
Gulf Coast	OK	Bryan	139.822	139.875	0.0528	OK013	Bosville fine sandy loam, 3 to 5 percent slopes	0.053
Gulf Coast	OK	Bryan	139.875	139.910	0.0347	OK013	Bernow-Romia complex, 8 to 20 percent slopes	0.035
Gulf Coast	OK	Bryan	139.910	140.042	0.1325	OK013	Bernow-Romia complex, 3 to 8 percent slopes	0.133
Gulf Coast	OK	Bryan	140.042	140.120	0.0781	OK013	Larue loamy fine sand, 0 to 3 percent slopes	0.078
Gulf Coast	OK	Bryan	140.120	140.434	0.3141	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.314
Gulf Coast	OK	Bryan	140.434	140.504	0.0699	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.070
Gulf Coast	OK	Bryan	140.504	140.567	0.0624	OK013	Bosville fine sandy loam, 3 to 5 percent slopes	0.062
Gulf Coast	OK	Bryan	140.567	140.617	0.0507	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.051
Gulf Coast	OK	Bryan	140.617	140.722	0.1046	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.105
Gulf Coast	OK	Bryan	140.722	140.850	0.1279	OK013	Bosville fine sandy loam, 5 to 8 percent slopes	0.128
Gulf Coast	OK	Bryan	140.932	141.072	0.1396	OK013	Bernow-Bosville complex, 3 to 5 percent slopes, eroded	0.140
Gulf Coast	OK	Bryan	141.072	141.102	0.0305	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.030
Gulf Coast	OK	Bryan	141.102	141.147	0.0441	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.044
Gulf Coast	OK	Bryan	141.147	141.402	0.2557	OK013	Bernow fine sandy loam, 3 to 8 percent slopes, severely eroded	0.230
Gulf Coast	OK	Bryan	141.402	141.454	0.0520	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.052
Gulf Coast	OK	Bryan	141.454	141.527	0.0731	OK013	Bernow fine sandy loam, 3 to 8 percent slopes, severely eroded	0.066
Gulf Coast	OK	Bryan	141.527	141.642	0.1146	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.115
Gulf Coast	OK	Bryan	141.642	141.735	0.0928	OK013	Bernow fine sandy loam, 5 to 8 percent slopes	0.093
Gulf Coast	OK	Bryan	141.735	141.972	0.2372	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.237
Gulf Coast	OK	Bryan	141.972	142.272	0.3001	OK013	Dennis loam, 1 to 3 percent slopes	0.300
Gulf Coast	OK	Bryan	142.272	142.712	0.4400	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.440
Gulf Coast	OK	Bryan	142.712	142.785	0.0727	OK013	Dennis loam, 3 to 5 percent slopes	0.073
Gulf Coast	OK	Bryan	142.785	143.025	0.2408	OK013	Durant loam, 1 to 3 percent slopes	0.241
Gulf Coast	OK	Bryan	143.025	143.041	0.0156	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.016
Gulf Coast	OK	Bryan	143.041	143.059	0.0177	OK013	Dennis loam, 1 to 3 percent slopes	0.018
Gulf Coast	OK	Bryan	143.059	143.119	0.0606	OK013	Fitzhugh-Bates complex, 1 to 5 percent slopes, eroded	0.061
Gulf Coast	OK	Bryan	143.119	143.155	0.0356	OK013	Dennis loam, 1 to 3 percent slopes	0.036
Gulf Coast	OK	Bryan	143.155	143.259	0.1038	OK013	Dennis loam, 3 to 5 percent slopes	0.104
Gulf Coast	OK	Bryan	143.259	143.355	0.0968	OK013	Fitzhugh-Bates complex, 1 to 5 percent slopes, eroded	0.097
Gulf Coast	OK	Bryan	143.355	143.474	0.1187	OK013	Dennis loam, 3 to 5 percent slopes	0.119
Gulf Coast	OK	Bryan	143.474	143.552	0.0778	OK013	Fitzhugh-Bates complex, 1 to 5 percent slopes, eroded	0.078
Gulf Coast	OK	Bryan	143.552	143.657	0.1054	OK013	Dennis loam, 3 to 5 percent slopes	0.105
Gulf Coast	OK	Bryan	143.657	143.736	0.0786	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.079
Gulf Coast	OK	Bryan	143.736	143.855	0.1188	OK013	Bates fine sandy loam, 1 to 3 percent slopes	0.119
Gulf Coast	OK	Bryan	143.855	143.879	0.0247	OK013	Dennis loam, 3 to 5 percent slopes	0.025
Gulf Coast	OK	Bryan	143.879	143.921	0.0418	OK013	Durant loam, 1 to 3 percent slopes	0.042
Gulf Coast	OK	Bryan	143.921	144.011	0.0897	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.090
Gulf Coast	OK	Bryan	144.011	144.084	0.0734	OK013	Matoy silty clay loam, 1 to 3 percent slopes	0.073
Gulf Coast	OK	Bryan	144.084	144.176	0.0918	OK013	Dennis loam, 1 to 3 percent slopes	0.092
Gulf Coast	OK	Bryan	144.176	144.379	0.2030	OK013	Heiden clay, 3 to 5 percent slopes	0.203
Gulf Coast	OK	Bryan	144.379	144.485	0.1062	OK013	Dennis loam, 1 to 3 percent slopes	0.106
Gulf Coast	OK	Bryan	144.485	144.490	0.0051	OK013	Dennis loam, 3 to 5 percent slopes	0.005
Gulf Coast	OK	Bryan	144.490	144.575	0.0843	OK013	Bosville fine sandy loam, 3 to 5 percent slopes	0.084
Gulf Coast	OK	Bryan	144.575	144.593	0.0179	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.018
Gulf Coast	OK	Bryan	144.593	144.689	0.0967	OK013	Bosville fine sandy loam, 3 to 5 percent slopes	0.097
Gulf Coast	OK	Bryan	144.689	144.765	0.0762	OK013	Bernow-Romia complex, 3 to 8 percent slopes	0.076
Gulf Coast	OK	Bryan	144.765	144.812	0.0465	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.046
Gulf Coast	OK	Bryan	144.812	144.871	0.0592	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.059
Gulf Coast	OK	Bryan	144.871	144.951	0.0799	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.080
Gulf Coast	OK	Bryan	144.951	145.018	0.0669	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.067
Gulf Coast	OK	Bryan	145.018	145.067	0.0492	OK013	Bosville fine sandy loam, 3 to 5 percent slopes	0.049
Gulf Coast	OK	Bryan	145.067	145.139	0.0716	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.072
Gulf Coast	OK	Bryan	145.139	145.177	0.0381	OK013	Bosville fine sandy loam, 3 to 5 percent slopes	0.038
Gulf Coast	OK	Bryan	145.177	145.416	0.2396	OK013	Verdigris silty clay loam, 0 to 1 percent slopes, occasionally floo	0.240
Gulf Coast	OK	Bryan	145.416	145.476	0.0595	OK013	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.059
Gulf Coast	OK	Bryan	145.476	145.630	0.1545	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.155
Gulf Coast	OK	Bryan	145.630	145.689	0.0583	OK013	Bernow-Romia complex, 3 to 8 percent slopes	0.058
Gulf Coast	OK	Bryan	145.689	145.774	0.0852	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.085

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	OK	Bryan	145.774	145.833	0.0589	OK013	Bernow-Romia complex, 3 to 8 percent slopes	0.059
Gulf Coast	OK	Bryan	145.833	145.865	0.0318	OK013	Gowton loam, 0 to 1 percent slopes, occasionally flooded	0.032
Gulf Coast	OK	Bryan	145.865	145.953	0.0889	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.089
Gulf Coast	OK	Bryan	145.953	146.133	0.1798	OK013	Bernow loamy fine sand, 3 to 8 percent slopes	0.180
Gulf Coast	OK	Bryan	146.133	146.252	0.1189	OK013	Freestone fine sandy loam, 1 to 5 percent slopes	0.119
Gulf Coast	OK	Bryan	146.252	146.362	0.1095	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.110
Gulf Coast	OK	Bryan	146.362	146.529	0.1676	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.168
Gulf Coast	OK	Bryan	146.608	146.729	0.1212	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.121
Gulf Coast	OK	Bryan	146.729	146.750	0.0207	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.021
Gulf Coast	OK	Bryan	146.750	146.760	0.0100	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.010
Gulf Coast	OK	Bryan	146.760	146.943	0.1832	OK013	Muskogee silt loam, 0 to 1 percent slopes	0.183
Gulf Coast	OK	Bryan	146.943	146.952	0.0086	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.009
Gulf Coast	OK	Bryan	146.952	146.978	0.0257	OK013	Muskogee silt loam, 0 to 1 percent slopes	0.026
Gulf Coast	OK	Bryan	146.978	147.166	0.1889	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.189
Gulf Coast	OK	Bryan	147.166	147.237	0.0708	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.071
Gulf Coast	OK	Bryan	147.237	147.276	0.0391	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.039
Gulf Coast	OK	Bryan	147.276	147.413	0.1366	OK013	Durant loam, 1 to 3 percent slopes	0.137
Gulf Coast	OK	Bryan	147.413	148.076	0.6633	OK013	Dennis loam, 1 to 3 percent slopes	0.663
Gulf Coast	OK	Bryan	148.076	148.170	0.0938	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.094
Gulf Coast	OK	Bryan	148.170	148.279	0.1091	OK013	Dennis loam, 1 to 3 percent slopes	0.109
Gulf Coast	OK	Bryan	148.279	148.343	0.0635	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.064
Gulf Coast	OK	Bryan	148.343	148.355	0.0122	OK013	Dennis loam, 1 to 3 percent slopes	0.012
Gulf Coast	OK	Bryan	148.355	148.516	0.1607	OK013	Fitzhugh-Bates complex, 1 to 5 percent slopes, eroded	0.161
Gulf Coast	OK	Bryan	148.516	148.760	0.2447	OK013	Dennis loam, 1 to 3 percent slopes	0.245
Gulf Coast	OK	Bryan	148.760	148.804	0.0432	OK013	Dennis loam, 3 to 5 percent slopes	0.043
Gulf Coast	OK	Bryan	148.804	148.873	0.0691	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.069
Gulf Coast	OK	Bryan	148.873	148.969	0.0968	OK013	Durant loam, 1 to 3 percent slopes	0.097
Gulf Coast	OK	Bryan	148.969	149.353	0.3836	OK013	Dennis loam, 1 to 3 percent slopes	0.384
Gulf Coast	OK	Bryan	149.353	149.373	0.0196	OK013	Crockett loam, 1 to 5 percent slopes, severely eroded	0.018
Gulf Coast	OK	Bryan	149.373	149.429	0.0562	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.056
Gulf Coast	OK	Bryan	149.429	149.738	0.3093	OK013	Dennis loam, 3 to 5 percent slopes	0.309
Gulf Coast	OK	Bryan	149.738	149.786	0.0480	OK013	Fitzhugh-Bates complex, 1 to 5 percent slopes, eroded	0.048
Gulf Coast	OK	Bryan	149.786	149.868	0.0821	OK013	Dennis loam, 1 to 3 percent slopes	0.082
Gulf Coast	OK	Bryan	149.868	149.919	0.0508	OK013	Fitzhugh-Bates complex, 1 to 5 percent slopes, eroded	0.051
Gulf Coast	OK	Bryan	149.919	149.948	0.0290	OK013	Dennis loam, 1 to 3 percent slopes	0.029
Gulf Coast	OK	Bryan	149.948	149.997	0.0486	OK013	Dennis loam, 3 to 5 percent slopes	0.049
Gulf Coast	OK	Bryan	149.997	150.232	0.2352	OK013	Dennis loam, 1 to 3 percent slopes	0.235
Gulf Coast	OK	Bryan	150.232	150.279	0.0476	OK013	Dennis loam, 3 to 5 percent slopes	0.048
Gulf Coast	OK	Bryan	150.279	150.389	0.1094	OK013	Dennis loam, 1 to 3 percent slopes	0.109
Gulf Coast	OK	Bryan	150.389	150.425	0.0360	OK013	Dennis loam, 3 to 5 percent slopes	0.036
Gulf Coast	OK	Bryan	150.425	150.529	0.1048	OK013	Dennis loam, 1 to 3 percent slopes	0.105
Gulf Coast	OK	Bryan	150.529	150.629	0.1000	OK013	Fitzhugh-Bates complex, 1 to 5 percent slopes, eroded	0.100
Gulf Coast	OK	Bryan	150.629	150.795	0.1653	OK013	Durant loam, 1 to 3 percent slopes	0.165
Gulf Coast	OK	Bryan	150.795	150.927	0.1327	OK013	Crockett-Durant complex, 1 to 5 percent slopes, eroded	0.133
Gulf Coast	OK	Bryan	150.927	150.950	0.0227	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.023
Gulf Coast	OK	Bryan	150.950	151.097	0.1471	OK013	Durant loam, 1 to 3 percent slopes	0.147
Gulf Coast	OK	Bryan	151.097	151.132	0.0348	OK013	Durant-Verdigris complex, 0 to 5 percent slopes	0.035
Gulf Coast	OK	Bryan	151.132	151.162	0.0297	OK013	Durant loam, 1 to 3 percent slopes	0.030
Gulf Coast	OK	Bryan	151.162	151.421	0.2588	OK013	Dennis loam, 1 to 3 percent slopes	0.259
Gulf Coast	OK	Bryan	151.421	151.738	0.3174	OK013	Dennis loam, 3 to 5 percent slopes	0.317
Gulf Coast	OK	Bryan	151.738	151.817	0.0787	OK013	Dennis loam, 1 to 3 percent slopes	0.079
Gulf Coast	OK	Bryan	151.817	151.840	0.0236	OK013	Dennis loam, 3 to 5 percent slopes	0.024
Gulf Coast	OK	Bryan	151.840	151.883	0.0429	OK013	Dennis loam, 1 to 3 percent slopes	0.043
Gulf Coast	OK	Bryan	151.883	151.992	0.1089	OK013	Crockett-Durant complex, 1 to 5 percent slopes, eroded	0.109
Gulf Coast	OK	Bryan	151.992	152.018	0.0260	OK013	Crockett loam, 1 to 5 percent slopes, severely eroded	0.023
Gulf Coast	OK	Bryan	152.018	152.100	0.0820	OK013	Crockett-Durant complex, 1 to 5 percent slopes, eroded	0.082
Gulf Coast	OK	Bryan	152.100	152.219	0.1185	OK013	Durant loam, 1 to 3 percent slopes	0.118
Gulf Coast	OK	Bryan	152.219	152.316	0.0971	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.097
Gulf Coast	OK	Bryan	152.316	152.351	0.0349	OK013	Madill fine sandy loam, 0 to 1 percent slopes, occasionally flood	0.003
Gulf Coast	OK	Bryan	152.351	152.515	0.1639	OK013	Boxville fine sandy loam, 3 to 8 percent slopes	0.164
Gulf Coast	OK	Bryan	152.515	152.560	0.0449	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.045
Gulf Coast	OK	Bryan	152.560	152.614	0.0542	OK013	Muskogee silt loam, 0 to 1 percent slopes	0.054
Gulf Coast	OK	Bryan	152.614	152.923	0.3089	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.309
Gulf Coast	OK	Bryan	152.923	153.124	0.2008	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.201
Gulf Coast	OK	Bryan	153.124	153.309	0.1851	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.185
Gulf Coast	OK	Bryan	153.309	153.373	0.0646	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.065
Gulf Coast	OK	Bryan	153.373	153.450	0.0772	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.077
Gulf Coast	OK	Bryan	153.450	153.502	0.0512	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.051
Gulf Coast	OK	Bryan	153.502	153.594	0.0924	OK013	Bernow fine sandy loam, 1 to 3 percent slopes	0.092
Gulf Coast	OK	Bryan	153.594	153.638	0.0438	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.044
Gulf Coast	OK	Bryan	153.638	153.680	0.0423	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.042
Gulf Coast	OK	Bryan	153.680	153.979	0.2987	OK013	Bernow fine sandy loam, 3 to 5 percent slopes	0.299
Gulf Coast	OK	Bryan	153.979	154.117	0.1378	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.138

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	OK	Bryan	154.117	154.265	0.1480	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.148
Gulf Coast	OK	Bryan	154.265	154.304	0.0399	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.040
Gulf Coast	OK	Bryan	154.304	154.467	0.1626	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.163
Gulf Coast	OK	Bryan	154.467	154.487	0.0200	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.020
Gulf Coast	OK	Bryan	154.487	154.762	0.2751	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.275
Gulf Coast	OK	Bryan	154.762	154.841	0.0786	OK013	Boxville fine sandy loam, 3 to 8 percent slopes	0.079
Gulf Coast	OK	Bryan	154.841	154.868	0.0275	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.028
Gulf Coast	OK	Bryan	154.868	154.896	0.0281	OK013	Boxville fine sandy loam, 3 to 8 percent slopes	0.028
Gulf Coast	OK	Bryan	154.896	154.944	0.0481	OK013	Muskogee silt loam, 1 to 3 percent slopes	0.048
Gulf Coast	OK	Bryan	154.944	155.017	0.0727	OK013	Boxville fine sandy loam, 1 to 3 percent slopes	0.073
Gulf Coast	OK	Bryan	155.017	155.122	0.1048	OK013	Boxville fine sandy loam, 3 to 8 percent slopes	0.105
Gulf Coast	OK	Bryan	155.122	155.248	0.1259	OK013	Karma fine sandy loam, 1 to 3 percent slopes	0.126
Gulf Coast	OK	Bryan	155.248	155.276	0.0284	OK013	Severn fine sandy loam, 0 to 1 percent slopes, rarely flooded	0.003
Gulf Coast	TX	Fannin	155.815	156.092	0.2775	TX147	Norwood silt loam, rarely flooded	0.278
Gulf Coast	TX	Fannin	156.092	156.421	0.3284	TX147	Severn silt loam, rarely flooded	0.328
Gulf Coast	TX	Fannin	156.421	157.518	1.0969	TX147	Norwood silt loam, rarely flooded	1.097
Gulf Coast	TX	Fannin	157.518	157.783	0.2657	TX147	Karma loam, 0 to 2 percent slopes	0.252
Gulf Coast	TX	Fannin	157.783	158.067	0.2841	TX147	Redlake clay, rarely flooded	0.284
Gulf Coast	TX	Fannin	158.067	158.281	0.2140	TX147	Karma loam, 0 to 2 percent slopes	0.203
Gulf Coast	TX	Fannin	158.281	158.589	0.3074	TX147	Okay loam, 0 to 1 percent slopes	0.307
Gulf Coast	TX	Fannin	158.589	160.103	1.5144	TX147	Muldrow clay loam, rarely flooded	1.287
Gulf Coast	TX	Fannin	160.103	160.491	0.3875	TX147	Okay loam, 0 to 1 percent slopes	0.388
Gulf Coast	TX	Fannin	160.491	160.688	0.1973	TX147	Karma loam, 5 to 12 percent slopes, eroded	0.197
Gulf Coast	TX	Fannin	160.688	160.862	0.1743	TX147	Karma loam, 0 to 2 percent slopes	0.166
Gulf Coast	TX	Fannin	160.862	160.927	0.0644	TX147	Karma loam, 5 to 12 percent slopes, eroded	0.064
Gulf Coast	TX	Fannin	160.927	161.610	0.6829	TX147	Redlake clay, rarely flooded	0.683
Gulf Coast	TX	Delta/Lamar	161.626	161.639	0.0129	TX614	Desha clay, 0 to 1 percent slopes, frequently flooded	0.012
Gulf Coast	TX	Delta/Lamar	161.639	161.702	0.0630	TX614	Whakana fine sandy loam, 5 to 12 percent slopes	0.060
Gulf Coast	TX	Delta/Lamar	161.702	162.340	0.6387	TX614	Karma fine sandy loam, 0 to 1 percent slopes	0.607
Gulf Coast	TX	Delta/Lamar	162.340	162.454	0.1133	TX614	Derly-Raino complex, 0 to 1 percent slopes	0.102
Gulf Coast	TX	Delta/Lamar	162.454	162.918	0.4645	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.395
Gulf Coast	TX	Delta/Lamar	162.918	162.961	0.0426	TX614	Derly-Raino complex, 0 to 1 percent slopes	0.038
Gulf Coast	TX	Delta/Lamar	162.961	163.601	0.6403	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.544
Gulf Coast	TX	Delta/Lamar	163.601	164.052	0.4512	TX614	Whakana fine sandy loam, 1 to 5 percent slopes	0.429
Gulf Coast	TX	Delta/Lamar	164.052	164.475	0.4223	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.359
Gulf Coast	TX	Delta/Lamar	164.475	164.588	0.1135	TX614	Whakana fine sandy loam, 1 to 5 percent slopes	0.108
Gulf Coast	TX	Delta/Lamar	164.588	164.619	0.0308	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.026
Gulf Coast	TX	Delta/Lamar	164.619	164.850	0.2306	TX614	Whakana fine sandy loam, 1 to 5 percent slopes	0.219
Gulf Coast	TX	Delta/Lamar	164.850	164.881	0.0311	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.026
Gulf Coast	TX	Delta/Lamar	164.881	164.993	0.1127	TX614	Whakana fine sandy loam, 1 to 5 percent slopes	0.107
Gulf Coast	TX	Delta/Lamar	164.993	165.079	0.0861	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.073
Gulf Coast	TX	Delta/Lamar	165.079	165.121	0.0416	TX614	Whakana fine sandy loam, 1 to 5 percent slopes	0.040
Gulf Coast	TX	Delta/Lamar	165.121	165.658	0.5368	TX614	Whakana-Porum complex, 8 to 20 percent slopes	0.456
Gulf Coast	TX	Delta/Lamar	165.658	165.855	0.1971	TX614	Guyton silt loam, 0 to 1 percent slopes, frequently flooded	0.187
Gulf Coast	TX	Delta/Lamar	165.855	166.017	0.1620	TX614	Woodtell loam, 5 to 12 percent slopes	0.154
Gulf Coast	TX	Delta/Lamar	166.017	166.318	0.3010	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.292
Gulf Coast	TX	Delta/Lamar	166.318	166.558	0.2399	TX614	Woodtell loam, 5 to 12 percent slopes	0.228
Gulf Coast	TX	Delta/Lamar	166.558	166.802	0.2441	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.237
Gulf Coast	TX	Delta/Lamar	166.802	166.917	0.1151	TX614	Annona loam, 1 to 4 percent slopes	0.115
Gulf Coast	TX	Delta/Lamar	166.917	167.249	0.3318	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.322
Gulf Coast	TX	Delta/Lamar	167.249	167.306	0.0574	TX614	Annona loam, 1 to 4 percent slopes	0.057
Gulf Coast	TX	Delta/Lamar	167.306	167.713	0.4065	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.394
Gulf Coast	TX	Delta/Lamar	167.713	167.724	0.0111	TX614	Derly-Raino complex, 0 to 1 percent slopes	0.010
Gulf Coast	TX	Delta/Lamar	167.724	168.317	0.5934	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.576
Gulf Coast	TX	Delta/Lamar	168.317	168.376	0.0583	TX614	Annona loam, 1 to 4 percent slopes	0.058
Gulf Coast	TX	Delta/Lamar	168.376	168.585	0.2094	TX614	Woodtell loam, 5 to 12 percent slopes	0.199
Gulf Coast	TX	Delta/Lamar	168.585	168.681	0.0962	TX614	Derly-Raino complex, 0 to 1 percent slopes	0.087
Gulf Coast	TX	Delta/Lamar	168.681	168.799	0.1173	TX614	Woodtell loam, 5 to 12 percent slopes	0.111
Gulf Coast	TX	Delta/Lamar	168.799	169.136	0.3379	TX614	Lassiter silt loam, 0 to 1 percent slopes, frequently flooded	0.338
Gulf Coast	TX	Delta/Lamar	169.136	169.303	0.1669	TX614	Woodtell loam, 5 to 12 percent slopes	0.159
Gulf Coast	TX	Delta/Lamar	169.303	169.427	0.1241	TX614	Freestone-Hicota complex, 0 to 3 percent slopes	0.120
Gulf Coast	TX	Delta/Lamar	169.427	169.769	0.3415	TX614	Crockett loam, 1 to 3 percent slopes	0.324
Gulf Coast	TX	Delta/Lamar	169.769	170.054	0.2851	TX614	Annona loam, 1 to 4 percent slopes	0.285
Gulf Coast	TX	Delta/Lamar	170.054	170.124	0.0700	TX614	Derly silt loam, 0 to 1 percent slopes	0.063
Gulf Coast	TX	Delta/Lamar	170.124	170.287	0.1631	TX614	Annona loam, 1 to 4 percent slopes	0.163
Gulf Coast	TX	Delta/Lamar	170.287	170.633	0.3455	TX614	Roxton clay, 0 to 1 percent slopes, frequently flooded	0.328
Gulf Coast	TX	Delta/Lamar	170.633	170.957	0.3240	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	0.324
Gulf Coast	TX	Delta/Lamar	170.957	171.200	0.2435	TX614	Crockett loam, 1 to 3 percent slopes	0.231
Gulf Coast	TX	Delta/Lamar	171.200	171.702	0.5014	TX614	Mabank-Crockett complex, 0 to 1 percent slopes	0.466
Gulf Coast	TX	Delta/Lamar	171.702	171.983	0.2809	TX614	Crockett loam, 1 to 3 percent slopes	0.267
Gulf Coast	TX	Delta/Lamar	171.983	172.219	0.2369	TX614	Mabank-Crockett complex, 0 to 1 percent slopes	0.220
Gulf Coast	TX	Delta/Lamar	172.219	172.356	0.1362	TX614	Lassiter silt loam, 0 to 1 percent slopes, frequently flooded	0.136
Gulf Coast	TX	Delta/Lamar	172.356	172.488	0.1328	TX614	Crockett loam, 1 to 3 percent slopes	0.126

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	TX	Delta/Lamar	172.488	172.542	0.0531	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.049
Gulf Coast	TX	Delta/Lamar	172.542	172.633	0.0915	TX614	Normangee clay loam, 1 to 3 percent slopes	0.082
Gulf Coast	TX	Delta/Lamar	172.633	172.857	0.2238	TX614	Crockett loam, 1 to 3 percent slopes	0.213
Gulf Coast	TX	Delta/Lamar	172.857	172.986	0.1290	TX614	Parisian silt loam, 1 to 3 percent slopes	0.123
Gulf Coast	TX	Delta/Lamar	172.986	173.051	0.0654	TX614	Woodtell loam, 5 to 12 percent slopes	0.062
Gulf Coast	TX	Delta/Lamar	173.051	173.120	0.0684	TX614	Crockett loam, 1 to 3 percent slopes	0.065
Gulf Coast	TX	Delta/Lamar	173.120	173.274	0.1541	TX614	Mabank-Crockett complex, 0 to 1 percent slopes	0.143
Gulf Coast	TX	Delta/Lamar	173.274	173.669	0.3955	TX614	Crockett loam, 1 to 3 percent slopes	0.376
Gulf Coast	TX	Delta/Lamar	173.669	173.718	0.0486	TX614	Wilson silty loam, 0 to 2 percent slopes	0.046
Gulf Coast	TX	Delta/Lamar	173.718	173.862	0.1447	TX614	Lassiter silt loam, 0 to 1 percent slopes, frequently flooded	0.145
Gulf Coast	TX	Delta/Lamar	173.862	174.493	0.6303	TX614	Crockett loam, 1 to 3 percent slopes	0.599
Gulf Coast	TX	Delta/Lamar	174.493	174.520	0.0273	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	0.027
Gulf Coast	TX	Delta/Lamar	174.520	174.520	0.0003	TX614	Crockett loam, 1 to 3 percent slopes	0.000
Gulf Coast	TX	Delta/Lamar	174.520	174.717	0.1968	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	0.197
Gulf Coast	TX	Delta/Lamar	174.717	174.938	0.2206	TX614	Crockett loam, 1 to 3 percent slopes	0.210
Gulf Coast	TX	Delta/Lamar	174.938	174.989	0.0508	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	0.051
Gulf Coast	TX	Delta/Lamar	174.989	175.069	0.0809	TX614	Crockett loam, 1 to 3 percent slopes	0.077
Gulf Coast	TX	Delta/Lamar	175.069	175.760	0.6904	TX614	Wilson silty loam, 0 to 2 percent slopes	0.656
Gulf Coast	TX	Delta/Lamar	175.760	175.861	0.1011	TX614	Crockett loam, 1 to 3 percent slopes	0.096
Gulf Coast	TX	Delta/Lamar	175.861	175.953	0.0916	TX614	Parisian silt loam, 1 to 3 percent slopes	0.087
Gulf Coast	TX	Delta/Lamar	175.953	176.047	0.0940	TX614	Lassiter silt loam, 0 to 1 percent slopes, frequently flooded	0.094
Gulf Coast	TX	Delta/Lamar	176.047	176.073	0.0262	TX614	Wilson silty loam, 0 to 2 percent slopes	0.025
Gulf Coast	TX	Delta/Lamar	176.073	176.771	0.6978	TX614	Normangee clay loam, 1 to 3 percent slopes	0.628
Gulf Coast	TX	Delta/Lamar	176.771	176.838	0.0670	TX614	Wilson silty loam, 0 to 2 percent slopes	0.064
Gulf Coast	TX	Delta/Lamar	176.838	177.693	0.8550	TX614	Normangee clay loam, 1 to 3 percent slopes	0.770
Gulf Coast	TX	Delta/Lamar	177.693	177.749	0.0561	TX614	Houston Black clay, 1 to 3 percent slopes	0.053
Gulf Coast	TX	Delta/Lamar	177.749	178.079	0.3300	TX614	Heiden clay, 2 to 5 percent slopes	0.313
Gulf Coast	TX	Delta/Lamar	178.079	179.895	1.8164	TX614	Houston Black clay, 1 to 3 percent slopes	1.726
Gulf Coast	TX	Delta/Lamar	179.895	180.498	0.6026	TX614	Houston Black clay, 0 to 1 percent slopes	0.573
Gulf Coast	TX	Delta/Lamar	180.498	180.901	0.4031	TX614	Houston Black clay, 1 to 3 percent slopes	0.383
Gulf Coast	TX	Delta/Lamar	180.901	181.021	0.1199	TX614	Houston Black clay, 0 to 1 percent slopes	0.114
Gulf Coast	TX	Delta/Lamar	181.021	181.313	0.2919	TX614	Houston Black clay, 1 to 3 percent slopes	0.277
Gulf Coast	TX	Delta/Lamar	181.313	181.322	0.0095	TX614	Austin silty clay, 1 to 3 percent slopes	0.009
Gulf Coast	TX	Delta/Lamar	181.322	181.655	0.3326	TX614	Stephen silty clay, 1 to 3 percent slopes	0.316
Gulf Coast	TX	Delta/Lamar	181.655	181.716	0.0610	TX614	Houston Black clay, 1 to 3 percent slopes	0.058
Gulf Coast	TX	Delta/Lamar	181.716	181.822	0.1062	TX614	Leson clay, 1 to 3 percent slopes	0.101
Gulf Coast	TX	Delta/Lamar	181.822	182.034	0.2126	TX614	Stephen-Eddy complex, 2 to 5 percent slopes	0.179
Gulf Coast	TX	Delta/Lamar	182.034	182.620	0.5858	TX614	Austin silty clay, 1 to 3 percent slopes	0.557
Gulf Coast	TX	Delta/Lamar	182.620	182.939	0.3187	TX614	Houston Black clay, 1 to 3 percent slopes	0.303
Gulf Coast	TX	Delta/Lamar	182.939	183.017	0.0776	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.071
Gulf Coast	TX	Delta/Lamar	183.017	183.021	0.0044	TX614	Houston Black clay, 1 to 3 percent slopes	0.004
Gulf Coast	TX	Delta/Lamar	183.021	183.030	0.0093	TX614	Heiden clay, 2 to 5 percent slopes	0.009
Gulf Coast	TX	Delta/Lamar	183.030	183.196	0.1656	TX614	Houston Black clay, 1 to 3 percent slopes	0.157
Gulf Coast	TX	Delta/Lamar	183.196	183.311	0.1150	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.106
Gulf Coast	TX	Delta/Lamar	183.311	183.486	0.1748	TX614	Houston Black clay, 1 to 3 percent slopes	0.166
Gulf Coast	TX	Delta/Lamar	183.486	183.904	0.4182	TX614	Ferris clay, 5 to 12 percent slopes, eroded	0.397
Gulf Coast	TX	Delta/Lamar	183.904	184.021	0.1176	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.108
Gulf Coast	TX	Delta/Lamar	184.021	184.431	0.4097	TX614	Ferris clay, 5 to 12 percent slopes, eroded	0.389
Gulf Coast	TX	Delta/Lamar	184.431	184.590	0.1587	TX614	Houston Black clay, 1 to 3 percent slopes	0.151
Gulf Coast	TX	Delta/Lamar	184.590	184.668	0.0777	TX614	Ferris clay, 5 to 12 percent slopes, eroded	0.074
Gulf Coast	TX	Delta/Lamar	184.668	184.780	0.1128	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.104
Gulf Coast	TX	Delta/Lamar	184.780	185.417	0.6367	TX614	Ferris clay, 5 to 12 percent slopes, eroded	0.605
Gulf Coast	TX	Delta/Lamar	185.417	185.671	0.2540	TX614	Houston Black clay, 1 to 3 percent slopes	0.241
Gulf Coast	TX	Delta/Lamar	185.671	185.693	0.0220	TX614	Elbon silty clay loam, 0 to 1 percent slopes, frequently flooded	0.021
Gulf Coast	TX	Delta/Lamar	185.693	185.970	0.2769	TX614	Houston Black clay, 1 to 3 percent slopes	0.263
Gulf Coast	TX	Delta/Lamar	185.970	186.242	0.2725	TX614	Elbon silty clay loam, 0 to 1 percent slopes, frequently flooded	0.259
Gulf Coast	TX	Delta/Lamar	186.242	186.398	0.1552	TX614	Houston Black clay, 1 to 3 percent slopes	0.147
Gulf Coast	TX	Delta/Lamar	186.398	186.452	0.0540	TX614	Lamar clay loam, 5 to 8 percent slopes	0.051
Gulf Coast	TX	Delta/Lamar	186.452	186.542	0.0900	TX614	Leson clay, 1 to 3 percent slopes	0.085
Gulf Coast	TX	Delta/Lamar	186.542	186.719	0.1772	TX614	Lamar clay loam, 5 to 8 percent slopes	0.168
Gulf Coast	TX	Delta/Lamar	186.719	186.898	0.1790	TX614	Elbon silty clay loam, 0 to 1 percent slopes, frequently flooded	0.170
Gulf Coast	TX	Delta/Lamar	186.898	187.424	0.5265	TX614	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.474
Gulf Coast	TX	Delta/Lamar	187.424	187.623	0.1991	TX614	Houston Black clay, 1 to 3 percent slopes	0.189
Gulf Coast	TX	Delta/Lamar	187.623	187.978	0.3546	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.326
Gulf Coast	TX	Delta/Lamar	187.978	188.321	0.3434	TX614	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.309
Gulf Coast	TX	Delta/Lamar	188.321	188.524	0.2026	TX614	Houston Black clay, 1 to 3 percent slopes	0.192
Gulf Coast	TX	Delta/Lamar	188.524	188.578	0.0543	TX614	Heiden clay, 2 to 5 percent slopes	0.052
Gulf Coast	TX	Delta/Lamar	188.578	188.626	0.0473	TX614	Houston Black clay, 1 to 3 percent slopes	0.045
Gulf Coast	TX	Delta/Lamar	188.626	189.605	0.9791	TX614	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.881
Gulf Coast	TX	Delta/Lamar	189.605	189.922	0.3176	TX614	Trinity clay, 0 to 1 percent slopes, frequently flooded	0.302
Gulf Coast	TX	Delta/Lamar	189.922	190.228	0.3054	TX614	Trinity clay, 0 to 1 percent slopes, occasionally flooded	0.275
Gulf Coast	TX	Delta/Lamar	190.286	191.440	1.1539	TX614	Trinity clay, 0 to 1 percent slopes, occasionally flooded	1.039
Gulf Coast	TX	Delta/Lamar	191.440	191.525	0.0851	TX614	Houston Black clay, 1 to 3 percent slopes	0.081

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Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	TX	Delta/Lamar	191.525	191.607	0.0822	TX614	Heiden clay, 2 to 5 percent slopes	0.078
Gulf Coast	TX	Delta/Lamar	191.607	191.734	0.1267	TX614	Ferris clay, 5 to 12 percent slopes, eroded	0.120
Gulf Coast	TX	Delta/Lamar	191.734	191.831	0.0974	TX614	Houston Black clay, 1 to 3 percent slopes	0.093
Gulf Coast	TX	Delta/Lamar	191.831	191.904	0.0727	TX614	Ferris clay, 5 to 12 percent slopes, eroded	0.069
Gulf Coast	TX	Delta/Lamar	191.904	192.257	0.3531	TX614	Houston Black clay, 1 to 3 percent slopes	0.335
Gulf Coast	TX	Delta/Lamar	192.257	192.728	0.4715	TX614	Leson clay, 1 to 3 percent slopes	0.448
Gulf Coast	TX	Delta/Lamar	192.728	192.951	0.2227	TX614	Wilson silty loam, 0 to 2 percent slopes	0.212
Gulf Coast	TX	Delta/Lamar	192.951	193.052	0.1013	TX614	Leson clay, 1 to 3 percent slopes	0.096
Gulf Coast	TX	Delta/Lamar	193.052	193.225	0.1730	TX614	Deport clay, 1 to 3 percent slopes	0.173
Gulf Coast	TX	Delta/Lamar	193.225	193.483	0.2578	TX614	Burleson clay, 0 to 1 percent slopes	0.245
Gulf Coast	TX	Delta/Lamar	193.483	193.603	0.1201	TX614	Deport clay, 1 to 3 percent slopes	0.120
Gulf Coast	TX	Delta/Lamar	193.603	193.832	0.2284	TX614	Kaufman clay, 0 to 1 percent slopes, frequently flooded	0.217
Gulf Coast	TX	Delta/Lamar	193.832	194.062	0.2304	TX614	Deport clay, 1 to 3 percent slopes	0.230
Gulf Coast	TX	Delta/Lamar	194.062	194.134	0.0718	TX614	Leson clay, 1 to 3 percent slopes	0.068
Gulf Coast	TX	Delta/Lamar	194.134	194.391	0.2574	TX614	Deport clay, 1 to 3 percent slopes	0.257
Gulf Coast	TX	Delta/Lamar	194.391	194.478	0.0866	TX614	Kaufman clay, 0 to 1 percent slopes, frequently flooded	0.082
Gulf Coast	TX	Delta/Lamar	194.478	195.300	0.8217	TX614	Leson clay, 1 to 3 percent slopes	0.781
Gulf Coast	TX	Delta/Lamar	195.300	195.344	0.0440	TX614	Trinity clay, 0 to 1 percent slopes, frequently flooded	0.042
Gulf Coast	TX	Delta/Lamar	195.344	195.497	0.1534	TX614	Leson clay, 1 to 3 percent slopes	0.146
Gulf Coast	TX	Delta/Lamar	195.497	195.600	0.1028	TX614	Houston Black clay, 1 to 3 percent slopes	0.098
Gulf Coast	TX	Delta/Lamar	195.600	195.888	0.2877	TX614	Leson clay, 1 to 3 percent slopes	0.273
Gulf Coast	TX	Delta/Lamar	195.888	196.017	0.1291	TX614	Heiden clay, 2 to 5 percent slopes	0.123
Gulf Coast	TX	Delta/Lamar	196.017	196.129	0.1122	TX614	Leson clay, 1 to 3 percent slopes	0.107
Gulf Coast	TX	Delta/Lamar	196.129	196.206	0.0772	TX614	Heiden clay, 2 to 5 percent slopes	0.073
Gulf Coast	TX	Delta/Lamar	196.206	196.863	0.6573	TX614	Leson clay, 1 to 3 percent slopes	0.624
Gulf Coast	TX	Delta/Lamar	196.863	196.957	0.0936	TX614	Heiden clay, 2 to 5 percent slopes	0.089
Gulf Coast	TX	Delta/Lamar	196.957	197.173	0.2157	TX614	Heiden-Ferris complex, 3 to 5 percent slopes	0.198
Gulf Coast	TX	Delta/Lamar	197.173	197.191	0.0179	TX614	Leson clay, 1 to 3 percent slopes	0.017
Gulf Coast	TX	Delta/Lamar	197.191	197.257	0.0661	TX614	Houston Black clay, 1 to 3 percent slopes	0.063
Gulf Coast	TX	Delta/Lamar	197.257	197.338	0.0812	TX614	Heiden clay, 2 to 5 percent slopes	0.077
Gulf Coast	TX	Delta/Lamar	197.338	197.534	0.1961	TX614	Deport clay, 1 to 3 percent slopes	0.196
Gulf Coast	TX	Delta/Lamar	197.534	197.794	0.2605	TX614	Wilson silty loam, 0 to 2 percent slopes	0.247
Gulf Coast	TX	Delta/Lamar	197.794	198.015	0.2209	TX614	Heiden clay, 2 to 5 percent slopes	0.210
Gulf Coast	TX	Delta/Lamar	198.015	198.062	0.0465	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	0.046
Gulf Coast	TX	Delta/Lamar	198.062	198.141	0.0795	TX614	Wilson silty loam, 0 to 2 percent slopes	0.076
Gulf Coast	TX	Delta/Lamar	198.141	198.345	0.2034	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	0.203
Gulf Coast	TX	Delta/Lamar	198.345	198.449	0.1045	TX614	Annona loam, 1 to 4 percent slopes	0.105
Gulf Coast	TX	Delta/Lamar	198.449	198.581	0.1316	TX614	Crockett loam, 1 to 3 percent slopes	0.125
Gulf Coast	TX	Delta/Lamar	198.581	198.603	0.0219	TX614	Annona loam, 1 to 4 percent slopes	0.022
Gulf Coast	TX	Delta/Lamar	198.603	198.609	0.0068	TX614	Crockett loam, 1 to 3 percent slopes	0.006
Gulf Coast	TX	Delta/Lamar	198.609	198.765	0.1557	TX614	Annona loam, 1 to 4 percent slopes	0.156
Gulf Coast	TX	Delta/Lamar	198.765	199.274	0.5093	TX614	Wilson silty loam, 0 to 2 percent slopes	0.484
Gulf Coast	TX	Delta/Lamar	199.274	199.295	0.0210	TX614	Woodtell loam, 5 to 12 percent slopes	0.020
Gulf Coast	TX	Delta/Lamar	199.295	200.292	0.9967	TX614	Wilson silty loam, 0 to 2 percent slopes	0.947
Gulf Coast	TX	Delta/Lamar	200.292	200.647	0.3544	TX614	Annona loam, 1 to 4 percent slopes	0.354
Gulf Coast	TX	Delta/Lamar	200.647	200.704	0.0571	TX614	Woodtell loam, 5 to 12 percent slopes	0.054
Gulf Coast	TX	Delta/Lamar	200.704	200.838	0.1347	TX614	Annona loam, 1 to 4 percent slopes	0.135
Gulf Coast	TX	Delta/Lamar	200.838	200.942	0.1037	TX614	Woodtell loam, 5 to 12 percent slopes	0.099
Gulf Coast	TX	Delta/Lamar	200.942	201.236	0.2940	TX614	Kaufman clay, 0 to 1 percent slopes, frequently flooded	0.279
Gulf Coast	TX	Hopkins	201.236	201.855	0.6194	TX610	Kaufman clay	0.588
Gulf Coast	TX	Hopkins	201.855	201.947	0.0914	TX610	Crockett loam, 2 to 5 percent slops, eroded	0.091
Gulf Coast	TX	Hopkins	201.947	202.581	0.6341	TX610	Kaufman clay	0.602
Gulf Coast	TX	Hopkins	202.581	202.873	0.2924	TX610	Nahatche soils	0.278
Gulf Coast	TX	Hopkins	202.873	202.885	0.0120	TX610	Wilson clay loam, 0 to 2 percent slopes	0.012
Gulf Coast	TX	Hopkins	202.885	202.989	0.1041	TX610	Bazette clay loam, 5 to 12 percent slopes	0.094
Gulf Coast	TX	Hopkins	202.989	203.267	0.2773	TX610	Woodtell loam, 2 to 5 percent slopes	0.277
Gulf Coast	TX	Hopkins	203.267	203.302	0.0353	TX610	Bazette clay loam, 5 to 12 percent slopes	0.032
Gulf Coast	TX	Hopkins	203.302	203.393	0.0905	TX610	Bazette clay loam, 3 to 5 percent slopes	0.091
Gulf Coast	TX	Hopkins	203.393	203.450	0.0576	TX610	Bazette clay loam, 5 to 12 percent slopes	0.052
Gulf Coast	TX	Hopkins	203.450	203.522	0.0715	TX610	Bazette clay loam, 3 to 5 percent slopes	0.072
Gulf Coast	TX	Hopkins	203.522	203.651	0.1295	TX610	Bazette clay loam, 5 to 12 percent slopes	0.117
Gulf Coast	TX	Hopkins	203.651	203.758	0.1067	TX610	Crockett loam, 1 to 3 percent slopes	0.107
Gulf Coast	TX	Hopkins	203.758	203.962	0.2043	TX610	Bazette clay loam, 5 to 12 percent slopes	0.184
Gulf Coast	TX	Hopkins	203.962	206.079	2.1169	TX610	Crockett loam, 1 to 3 percent slopes	2.117
Gulf Coast	TX	Hopkins	206.079	206.117	0.0380	TX610	Annona-Raino complex	0.038
Gulf Coast	TX	Hopkins	206.117	206.287	0.1697	TX610	Nahatche soils	0.161
Gulf Coast	TX	Hopkins	206.287	206.554	0.2668	TX610	Bazette clay loam, 5 to 12 percent slopes	0.240
Gulf Coast	TX	Hopkins	206.554	206.659	0.1056	TX610	Crockett loam, 2 to 5 percent slops, eroded	0.106
Gulf Coast	TX	Hopkins	206.659	206.698	0.0386	TX610	Crockett loam, 1 to 3 percent slopes	0.039
Gulf Coast	TX	Hopkins	206.698	206.726	0.0283	TX610	Crockett loam, 2 to 5 percent slops, eroded	0.028
Gulf Coast	TX	Hopkins	206.726	207.056	0.3302	TX610	Crockett loam, 3 to 5 percent slopes	0.330
Gulf Coast	TX	Hopkins	207.056	207.585	0.5287	TX610	Crockett loam, 1 to 3 percent slopes	0.529
Gulf Coast	TX	Hopkins	207.585	207.610	0.0252	TX610	Crockett loam, 3 to 5 percent slopes	0.025

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	TX	Hopkins	207.610	207.824	0.2134	TX610	Crockett loam, 1 to 3 percent slopes	0.213
Gulf Coast	TX	Hopkins	207.824	207.965	0.1415	TX610	Crockett loam, 2 to 5 percent slops, eroded	0.142
Gulf Coast	TX	Hopkins	207.965	208.095	0.1304	TX610	Crockett loam, 1 to 3 percent slopes	0.130
Gulf Coast	TX	Hopkins	208.095	208.205	0.1092	TX610	Crockett loam, 2 to 5 percent slops, eroded	0.109
Gulf Coast	TX	Hopkins	208.205	208.548	0.3428	TX610	Crockett loam, 1 to 3 percent slopes	0.343
Gulf Coast	TX	Hopkins	208.548	208.611	0.0635	TX610	Crockett loam, 2 to 5 percent slops, eroded	0.064
Gulf Coast	TX	Hopkins	208.611	208.983	0.3720	TX610	Crockett loam, 1 to 3 percent slopes	0.372
Gulf Coast	TX	Hopkins	208.983	209.085	0.1015	TX610	Crockett loam, 3 to 5 percent slopes	0.102
Gulf Coast	TX	Hopkins	209.085	209.397	0.3120	TX610	Crockett loam, 1 to 3 percent slopes	0.312
Gulf Coast	TX	Hopkins	209.397	209.432	0.0355	TX610	Crockett loam, 3 to 5 percent slopes	0.036
Gulf Coast	TX	Hopkins	209.432	209.765	0.3330	TX610	Crockett loam, 1 to 3 percent slopes	0.333
Gulf Coast	TX	Hopkins	209.765	209.797	0.0320	TX610	Crockett loam, 2 to 5 percent slops, eroded	0.032
Gulf Coast	TX	Hopkins	209.797	209.854	0.0566	TX610	Woodtell loam, 2 to 5 percent slopes	0.057
Gulf Coast	TX	Hopkins	209.854	209.992	0.1380	TX610	Nahatche soils	0.131
Gulf Coast	TX	Hopkins	209.992	210.058	0.0668	TX610	Woodtell loam, 2 to 5 percent slopes	0.067
Gulf Coast	TX	Hopkins	210.058	210.489	0.4306	TX610	Wilson clay loam, 0 to 2 percent slopes	0.431
Gulf Coast	TX	Hopkins	210.489	210.647	0.1575	TX610	Lufkin-Raino complex	0.158
Gulf Coast	TX	Hopkins	210.647	210.831	0.1848	TX610	Woodtell loam, 2 to 5 percent slopes	0.185
Gulf Coast	TX	Hopkins	210.831	211.300	0.4681	TX610	Annona-Raino complex	0.468
Gulf Coast	TX	Hopkins	211.300	211.451	0.1518	TX610	Woodtell loam, 5 to 12 percent slopes	0.152
Gulf Coast	TX	Hopkins	211.451	211.844	0.3925	TX610	Nahatche soils	0.373
Gulf Coast	TX	Hopkins	211.844	211.928	0.0838	TX610	Woodtell loam, 5 to 12 percent slopes	0.084
Gulf Coast	TX	Hopkins	211.928	212.018	0.0902	TX610	Woodtell loam, 2 to 5 percent slopes	0.090
Gulf Coast	TX	Hopkins	212.018	212.110	0.0925	TX610	Woodtell loam, 5 to 12 percent slopes	0.093
Gulf Coast	TX	Hopkins	212.110	213.500	1.3899	TX610	Nahatche soils	1.320
Gulf Coast	TX	Hopkins	213.500	213.628	0.1282	TX610	Woodtell loam, 5 to 12 percent slopes	0.128
Gulf Coast	TX	Hopkins	213.628	213.795	0.1667	TX610	Crockett loam, 2 to 5 percent slops, eroded	0.167
Gulf Coast	TX	Hopkins	213.795	213.852	0.0574	TX610	Nahatche soils	0.055
Gulf Coast	TX	Hopkins	213.852	213.935	0.0830	TX610	Crockett loam, 3 to 5 percent slopes	0.083
Gulf Coast	TX	Hopkins	213.935	214.961	1.0251	TX610	Crockett loam, 1 to 3 percent slopes	1.025
Gulf Coast	TX	Hopkins	214.961	215.022	0.0615	TX610	Crockett loam, 2 to 5 percent slops, eroded	0.062
Gulf Coast	TX	Hopkins	215.022	215.532	0.5104	TX610	Crockett loam, 1 to 3 percent slopes	0.510
Gulf Coast	TX	Hopkins	215.532	215.599	0.0665	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.066
Gulf Coast	TX	Hopkins	215.599	216.005	0.4058	TX610	Woodtell loam, 2 to 5 percent slopes	0.406
Gulf Coast	TX	Hopkins	216.005	216.260	0.2550	TX610	Nahatche soils	0.242
Gulf Coast	TX	Hopkins	216.260	216.371	0.1110	TX610	Crockett loam, 2 to 5 percent slops, eroded	0.111
Gulf Coast	TX	Hopkins	216.371	217.350	0.9794	TX610	Nahatche soils	0.930
Gulf Coast	TX	Hopkins	217.350	217.655	0.3050	TX610	Bernaldo fine sandy loam, 1 to 3 percent slopes	0.305
Gulf Coast	TX	Hopkins	217.655	217.872	0.2171	TX610	Nahatche soils	0.206
Gulf Coast	TX	Hopkins	217.872	217.950	0.0774	TX610	Woodtell loam, 5 to 12 percent slopes	0.077
Gulf Coast	TX	Hopkins	217.950	218.100	0.1499	TX610	Wolfpen loamy fine sand, 1 to 5 percent slopes	0.150
Gulf Coast	TX	Hopkins	218.100	218.139	0.0391	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.039
Gulf Coast	TX	Hopkins	218.139	218.194	0.0556	TX610	Woodtell loam, 5 to 12 percent slopes	0.056
Gulf Coast	TX	Hopkins	218.194	218.276	0.0815	TX610	Wolfpen loamy fine sand, 1 to 5 percent slopes	0.082
Gulf Coast	TX	Hopkins	218.276	218.352	0.0760	TX610	Woodtell loam, 5 to 12 percent slopes	0.076
Gulf Coast	TX	Hopkins	218.352	218.460	0.1081	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.108
Gulf Coast	TX	Hopkins	218.460	218.564	0.1043	TX610	Woodtell loam, 2 to 5 percent slopes	0.104
Gulf Coast	TX	Hopkins	218.564	218.673	0.1087	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.109
Gulf Coast	TX	Hopkins	218.673	218.734	0.0613	TX610	Woodtell loam, 2 to 5 percent slopes	0.061
Gulf Coast	TX	Hopkins	218.734	219.159	0.4247	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.425
Gulf Coast	TX	Hopkins	219.159	219.333	0.1741	TX610	Lufkin-Raino complex	0.174
Gulf Coast	TX	Hopkins	219.333	219.782	0.4489	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.449
Gulf Coast	TX	Hopkins	219.782	219.906	0.1236	TX610	Lufkin-Raino complex	0.124
Gulf Coast	TX	Hopkins	219.906	220.202	0.2959	TX610	Wolfpen loamy fine sand, 1 to 5 percent slopes	0.296
Gulf Coast	TX	Hopkins	220.202	220.315	0.1130	TX610	Woodtell loam, 2 to 5 percent slopes	0.113
Gulf Coast	TX	Hopkins	220.315	220.462	0.1471	TX610	Nahatche soils	0.140
Gulf Coast	TX	Hopkins	220.462	220.516	0.0538	TX610	Woodtell loam, 5 to 12 percent slopes	0.054
Gulf Coast	TX	Hopkins	220.516	220.689	0.1735	TX610	Woodtell loam, 2 to 5 percent slopes	0.174
Gulf Coast	TX	Hopkins	220.689	220.957	0.2681	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.268
Gulf Coast	TX	Hopkins	220.957	221.321	0.3639	TX610	Woodtell loam, 2 to 5 percent slopes	0.364
Gulf Coast	TX	Hopkins	221.321	221.368	0.0473	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.047
Gulf Coast	TX	Hopkins	221.368	221.790	0.4214	TX610	Woodtell loam, 2 to 5 percent slopes	0.421
Gulf Coast	TX	Hopkins	221.790	221.858	0.0679	TX610	Wolfpen loamy fine sand, 1 to 5 percent slopes	0.068
Gulf Coast	TX	Hopkins	221.858	221.925	0.0669	TX610	Woodtell loam, 2 to 5 percent slopes	0.067
Gulf Coast	TX	Hopkins	221.925	222.008	0.0836	TX610	Wolfpen loamy fine sand, 1 to 5 percent slopes	0.084
Gulf Coast	TX	Hopkins	222.008	222.055	0.0465	TX610	Woodtell loam, 5 to 12 percent slopes	0.047
Gulf Coast	TX	Hopkins	222.055	222.108	0.0533	TX610	Freestone fine sandy loam, 1 to 3 percent slopes	0.053
Gulf Coast	TX	Franklin	222.108	222.148	0.0399	TX603	Freestone fine sandy loam, 1 to 3 percent slopes	0.034
Gulf Coast	TX	Franklin	222.148	222.292	0.1438	TX603	Woodtell fine sandy loam, 5 to 20 percent slopes	0.122
Gulf Coast	TX	Franklin	222.292	222.355	0.0633	TX603	Woodtell fine sandy loam, 2 to 5 percent slopes	0.057
Gulf Coast	TX	Franklin	222.355	222.497	0.1416	TX603	Freestone fine sandy loam, 1 to 3 percent slopes	0.120
Gulf Coast	TX	Franklin	222.497	222.504	0.0079	TX603	Wolfpen loamy fine sand, 2 to 5 percent slopes	0.007
Gulf Coast	TX	Franklin	222.504	222.563	0.0582	TX603	Iuka fine sandy loam, frequently flooded	0.006

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	TX	Franklin	222.563	222.702	0.1392	TX603	Pickton fine sand, 2 to 5 percent slopes	0.111
Gulf Coast	TX	Franklin	222.702	222.853	0.1511	TX603	Wolfpen loamy fine sand, 2 to 5 percent slopes	0.136
Gulf Coast	TX	Franklin	222.853	222.924	0.0712	TX603	Bernaldo fine sandy loam, 1 to 3 percent slopes	0.061
Gulf Coast	TX	Franklin	222.924	223.118	0.1938	TX603	Wolfpen loamy fine sand, 2 to 5 percent slopes	0.174
Gulf Coast	TX	Franklin	223.118	224.481	1.3627	TX603	Woodtell fine sandy loam, 2 to 5 percent slopes	1.226
Gulf Coast	TX	Franklin	224.481	224.820	0.3396	TX603	Woodtell fine sandy loam, 5 to 20 percent slopes	0.289
Gulf Coast	TX	Franklin	224.820	224.940	0.1191	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.101
Gulf Coast	TX	Franklin	224.940	225.181	0.2419	TX603	Woodtell fine sandy loam, 2 to 5 percent slopes	0.218
Gulf Coast	TX	Franklin	225.181	225.254	0.0724	TX603	Kirvin very fine sandy loam, 3 to 8 percent slopes	0.062
Gulf Coast	TX	Franklin	225.254	225.384	0.1305	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.111
Gulf Coast	TX	Franklin	225.384	225.464	0.0794	TX603	Nahatche loam silty clay loam, frequently flooded	0.064
Gulf Coast	TX	Franklin	225.464	225.513	0.0493	TX603	Pickton fine sand, 8 to 15 percent slopes	0.044
Gulf Coast	TX	Franklin	225.513	225.778	0.2652	TX603	Pickton fine sand, 2 to 5 percent slopes	0.212
Gulf Coast	TX	Franklin	225.778	225.869	0.0908	TX603	Pickton fine sand, 8 to 15 percent slopes	0.082
Gulf Coast	TX	Franklin	225.869	226.035	0.1661	TX603	Wolfpen loamy fine sand, 2 to 5 percent slopes	0.149
Gulf Coast	TX	Franklin	226.035	226.338	0.3030	TX603	Iuka fine sandy loam, frequently flooded	0.030
Gulf Coast	TX	Franklin	226.338	226.503	0.1644	TX603	Woodtell fine sandy loam, 5 to 20 percent slopes	0.140
Gulf Coast	TX	Franklin	226.503	226.826	0.3231	TX603	Bernaldo fine sandy loam, 1 to 3 percent slopes	0.275
Gulf Coast	TX	Franklin	226.826	227.141	0.3152	TX603	Woodtell fine sandy loam, 5 to 20 percent slopes	0.268
Gulf Coast	TX	Franklin	227.141	227.656	0.5148	TX603	Nahatche loam silty clay loam, frequently flooded	0.412
Gulf Coast	TX	Franklin	228.149	228.193	0.0436	TX603	Darco loamy fine sand, 2 to 5 percent slopes	0.035
Gulf Coast	TX	Franklin	228.193	228.292	0.0989	TX603	Iuka fine sandy loam, frequently flooded	0.010
Gulf Coast	TX	Franklin	228.462	228.841	0.3793	TX603	Darco loamy fine sand, 2 to 5 percent slopes	0.303
Gulf Coast	TX	Franklin	228.841	229.114	0.2733	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.232
Gulf Coast	TX	Franklin	229.114	229.189	0.0744	TX603	Kirvin soils, graded, 2 to 8 percent slopes	0.060
Gulf Coast	TX	Franklin	229.189	229.731	0.5422	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.461
Gulf Coast	TX	Franklin	229.731	229.974	0.2429	TX603	Nahatche loam silty clay loam, frequently flooded	0.194
Gulf Coast	TX	Franklin	229.974	230.156	0.1823	TX603	Lilbert loamy fine sand, 2 to 5 percent slopes	0.146
Gulf Coast	TX	Franklin	230.223	230.478	0.2546	TX603	Darco loamy fine sand, 2 to 5 percent slopes	0.204
Gulf Coast	TX	Franklin	230.478	230.540	0.0624	TX603	Lilbert loamy fine sand, 2 to 5 percent slopes	0.050
Gulf Coast	TX	Franklin	230.540	230.637	0.0974	TX603	Briley loamy fine sand, 2 to 5 percent slopes	0.083
Gulf Coast	TX	Franklin	230.637	230.784	0.1462	TX603	Kirvin gravelly fine sandy loam, 3 to 8 percent slopes	0.124
Gulf Coast	TX	Franklin	230.784	230.902	0.1187	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.101
Gulf Coast	TX	Franklin	230.902	231.086	0.1838	TX603	Iuka fine sandy loam, frequently flooded	0.018
Gulf Coast	TX	Franklin	231.086	231.132	0.0460	TX603	Kirvin soils, graded, 2 to 8 percent slopes	0.037
Gulf Coast	TX	Franklin	231.132	231.267	0.1346	TX603	Iuka fine sandy loam, frequently flooded	0.013
Gulf Coast	TX	Franklin	231.267	231.495	0.2288	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.194
Gulf Coast	TX	Franklin	231.495	231.664	0.1686	TX603	Bowie fine sandy loam, 2 to 5 percent slopes	0.135
Gulf Coast	TX	Franklin	231.664	231.953	0.2888	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.245
Gulf Coast	TX	Franklin	231.953	232.153	0.2006	TX603	Nahatche loam silty clay loam, frequently flooded	0.160
Gulf Coast	TX	Franklin	232.153	232.287	0.1338	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.114
Gulf Coast	TX	Franklin	232.287	232.363	0.0760	TX603	Nahatche loam silty clay loam, frequently flooded	0.061
Gulf Coast	TX	Franklin	232.363	232.420	0.0565	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.048
Gulf Coast	TX	Franklin	232.420	232.469	0.0497	TX603	Nahatche loam silty clay loam, frequently flooded	0.040
Gulf Coast	TX	Franklin	232.469	232.511	0.0412	TX603	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.035
Gulf Coast	TX	Franklin	232.511	232.682	0.1714	TX603	Kullit very fine sandy loam, 1 to 3 percent slopes	0.146
Gulf Coast	TX	Wood	232.682	232.799	0.1169	TX499	Kullit very fine sandy loam, 1 to 3 percent slopes	0.099
Gulf Coast	TX	Wood	232.799	232.985	0.1857	TX499	Kirvin gravelly fine sandy loam, 3 to 8 percent slopes	0.149
Gulf Coast	TX	Wood	232.985	233.164	0.1798	TX499	Bowie fine sandy loam, 1 to 5 percent slopes	0.144
Gulf Coast	TX	Wood	233.164	233.191	0.0266	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.021
Gulf Coast	TX	Wood	233.191	233.414	0.2232	TX499	Gallime fine sandy loam, 1 to 3 percent slopes	0.190
Gulf Coast	TX	Wood	233.414	233.641	0.2271	TX499	Manco loam, frequently flooded	0.159
Gulf Coast	TX	Wood	233.641	233.922	0.2810	TX499	Cuthbert gravelly fine sandy loam, 8 to 25 percent slopes	0.225
Gulf Coast	TX	Wood	233.922	233.994	0.0716	TX499	Iulus fine sandy loam, frequently flooded	0.057
Gulf Coast	TX	Wood	233.994	234.062	0.0680	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.054
Gulf Coast	TX	Wood	234.062	234.179	0.1175	TX499	Kullit very fine sandy loam, 1 to 3 percent slopes	0.100
Gulf Coast	TX	Wood	234.179	234.390	0.2103	TX499	Bowie fine sandy loam, 1 to 5 percent slopes	0.168
Gulf Coast	TX	Wood	234.390	234.500	0.1101	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.088
Gulf Coast	TX	Wood	234.500	234.570	0.0703	TX499	Kirvin very fine sandy loam, 2 to 5 percent slopes	0.056
Gulf Coast	TX	Wood	234.570	234.766	0.1964	TX499	Bowie fine sandy loam, 1 to 5 percent slopes	0.157
Gulf Coast	TX	Wood	234.766	234.860	0.0934	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.075
Gulf Coast	TX	Wood	234.860	234.953	0.0928	TX499	Manco loam, frequently flooded	0.065
Gulf Coast	TX	Wood	234.953	235.051	0.0979	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.078
Gulf Coast	TX	Wood	235.051	235.151	0.1006	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.080
Gulf Coast	TX	Wood	235.151	235.210	0.0593	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.047
Gulf Coast	TX	Wood	235.210	235.265	0.0550	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.044
Gulf Coast	TX	Wood	235.265	235.327	0.0616	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.049
Gulf Coast	TX	Wood	235.327	235.674	0.3466	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.277
Gulf Coast	TX	Wood	235.674	235.884	0.2100	TX499	Darco fine sand, 2 to 5 percent slopes	0.168
Gulf Coast	TX	Wood	235.884	235.954	0.0701	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.056
Gulf Coast	TX	Wood	235.954	236.051	0.0974	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.078
Gulf Coast	TX	Wood	236.051	236.109	0.0575	TX499	Iulus fine sandy loam, frequently flooded	0.046
Gulf Coast	TX	Wood	236.109	236.173	0.0647	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.052

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	TX	Wood	236.173	236.246	0.0726	TX499	Tenaha loamy fine sand, 8 to 20 percent slopes	0.058
Gulf Coast	TX	Wood	236.246	236.316	0.0706	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.056
Gulf Coast	TX	Wood	236.316	236.447	0.1310	TX499	Tenaha loamy fine sand, 8 to 20 percent slopes	0.105
Gulf Coast	TX	Wood	236.447	236.625	0.1780	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.142
Gulf Coast	TX	Wood	236.625	236.700	0.0748	TX499	Bowie fine sandy loam, 1 to 5 percent slopes	0.060
Gulf Coast	TX	Wood	236.700	236.835	0.1348	TX499	Cuthbert gravelly fine sandy loam, 8 to 25 percent slopes	0.108
Gulf Coast	TX	Wood	236.835	237.302	0.4672	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.374
Gulf Coast	TX	Wood	237.302	237.360	0.0574	TX499	Kirvin gravelly fine sandy loam, 3 to 8 percent slopes	0.046
Gulf Coast	TX	Wood	237.360	237.436	0.0764	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.061
Gulf Coast	TX	Wood	237.436	237.649	0.2130	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.170
Gulf Coast	TX	Wood	237.649	237.780	0.1307	TX499	Kirvin very fine sandy loam, 2 to 5 percent slopes	0.105
Gulf Coast	TX	Wood	237.780	237.945	0.1656	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.132
Gulf Coast	TX	Wood	237.945	238.601	0.6557	TX499	Darco fine sand, 2 to 5 percent slopes	0.525
Gulf Coast	TX	Wood	238.601	238.882	0.2812	TX499	Tenaha loamy fine sand, 8 to 20 percent slopes	0.225
Gulf Coast	TX	Wood	238.882	239.013	0.1308	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.105
Gulf Coast	TX	Wood	239.013	239.064	0.0511	TX499	Manco loam, frequently flooded	0.036
Gulf Coast	TX	Wood	239.064	239.125	0.0612	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.049
Gulf Coast	TX	Wood	239.125	239.553	0.4278	TX499	Darco fine sand, 2 to 5 percent slopes	0.342
Gulf Coast	TX	Wood	239.553	239.624	0.0705	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.056
Gulf Coast	TX	Wood	239.624	239.690	0.0665	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.053
Gulf Coast	TX	Wood	239.690	239.900	0.2099	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.168
Gulf Coast	TX	Wood	239.900	240.009	0.1087	TX499	Darco fine sand, 2 to 5 percent slopes	0.087
Gulf Coast	TX	Wood	240.009	240.130	0.1214	TX499	Darco fine sand, 8 to 15 percent slopes	0.097
Gulf Coast	TX	Wood	240.130	240.592	0.4616	TX499	Darco fine sand, 2 to 5 percent slopes	0.369
Gulf Coast	TX	Wood	240.592	240.800	0.2085	TX499	Darco fine sand, 8 to 15 percent slopes	0.167
Gulf Coast	TX	Wood	241.224	241.538	0.3143	TX499	Darco fine sand, 8 to 15 percent slopes	0.251
Gulf Coast	TX	Wood	241.616	241.670	0.0539	TX499	Darco fine sand, 8 to 15 percent slopes	0.043
Gulf Coast	TX	Wood	241.835	242.010	0.1755	TX499	Darco fine sand, 8 to 15 percent slopes	0.140
Gulf Coast	TX	Wood	242.069	242.118	0.0497	TX499	Darco fine sand, 8 to 15 percent slopes	0.040
Gulf Coast	TX	Wood	242.118	242.284	0.1654	TX499	Darco fine sand, 2 to 5 percent slopes	0.132
Gulf Coast	TX	Wood	242.284	242.298	0.0141	TX499	Darco fine sand, 8 to 15 percent slopes	0.011
Gulf Coast	TX	Wood	242.298	242.648	0.3504	TX499	Darco fine sand, 2 to 5 percent slopes	0.280
Gulf Coast	TX	Wood	242.648	242.658	0.0095	TX499	Darco fine sand, 8 to 15 percent slopes	0.008
Gulf Coast	TX	Wood	242.658	243.045	0.3873	TX499	Darco fine sand, 2 to 5 percent slopes	0.310
Gulf Coast	TX	Wood	243.045	243.204	0.1587	TX499	Darco fine sand, 8 to 15 percent slopes	0.127
Gulf Coast	TX	Wood	243.273	243.339	0.0657	TX499	Darco fine sand, 8 to 15 percent slopes	0.053
Gulf Coast	TX	Wood	243.567	244.042	0.4751	TX499	Darco fine sand, 2 to 5 percent slopes	0.380
Gulf Coast	TX	Wood	244.042	244.184	0.1418	TX499	Darco fine sand, 8 to 15 percent slopes	0.113
Gulf Coast	TX	Wood	244.244	244.381	0.1378	TX499	Darco fine sand, 8 to 15 percent slopes	0.110
Gulf Coast	TX	Wood	244.655	245.129	0.4735	TX499	Darco fine sand, 8 to 15 percent slopes	0.379
Gulf Coast	TX	Wood	245.622	246.021	0.3990	TX499	Darco fine sand, 8 to 15 percent slopes	0.319
Gulf Coast	TX	Wood	246.021	246.665	0.6441	TX499	Darco fine sand, 2 to 5 percent slopes	0.515
Gulf Coast	TX	Wood	246.730	246.927	0.1973	TX499	Darco fine sand, 8 to 15 percent slopes	0.158
Gulf Coast	TX	Wood	247.246	247.428	0.1818	TX499	Darco fine sand, 8 to 15 percent slopes	0.145
Gulf Coast	TX	Wood	247.428	247.862	0.4344	TX499	Darco fine sand, 2 to 5 percent slopes	0.348
Gulf Coast	TX	Wood	247.862	247.906	0.0437	TX499	Darco fine sand, 8 to 15 percent slopes	0.035
Gulf Coast	TX	Wood	247.946	248.040	0.0937	TX499	Darco fine sand, 8 to 15 percent slopes	0.075
Gulf Coast	TX	Wood	248.040	248.223	0.1835	TX499	Darco fine sand, 2 to 5 percent slopes	0.147
Gulf Coast	TX	Wood	248.223	248.305	0.0817	TX499	Darco fine sand, 8 to 15 percent slopes	0.065
Gulf Coast	TX	Wood	248.305	248.570	0.2654	TX499	Darco fine sand, 2 to 5 percent slopes	0.212
Gulf Coast	TX	Wood	248.570	248.706	0.1360	TX499	Darco fine sand, 8 to 15 percent slopes	0.109
Gulf Coast	TX	Wood	248.706	248.977	0.2704	TX499	Darco fine sand, 2 to 5 percent slopes	0.216
Gulf Coast	TX	Wood	248.977	249.070	0.0934	TX499	Darco fine sand, 8 to 15 percent slopes	0.075
Gulf Coast	TX	Wood	249.070	249.219	0.1485	TX499	Darco fine sand, 2 to 5 percent slopes	0.119
Gulf Coast	TX	Wood	249.219	249.272	0.0532	TX499	Darco fine sand, 8 to 15 percent slopes	0.043
Gulf Coast	TX	Wood	249.272	249.371	0.0995	TX499	Manco loam, frequently flooded	0.070
Gulf Coast	TX	Wood	249.371	249.435	0.0639	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.051
Gulf Coast	TX	Wood	249.435	249.516	0.0804	TX499	Kirvin gravelly fine sandy loam, 3 to 8 percent slopes	0.064
Gulf Coast	TX	Wood	249.516	249.587	0.0717	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.057
Gulf Coast	TX	Wood	249.587	249.629	0.0416	TX499	Manco loam, frequently flooded	0.029
Gulf Coast	TX	Wood	249.629	249.683	0.0543	TX499	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.043
Gulf Coast	TX	Wood	249.683	249.945	0.2622	TX499	Bowie fine sandy loam, 1 to 5 percent slopes	0.210
Gulf Coast	TX	Wood	249.945	250.474	0.5290	TX499	Darco fine sand, 8 to 15 percent slopes	0.423
Gulf Coast	TX	Wood	250.592	250.993	0.4003	TX499	Darco fine sand, 2 to 5 percent slopes	0.320
Gulf Coast	TX	Wood	250.993	251.049	0.0563	TX499	Darco fine sand, 8 to 15 percent slopes	0.045
Gulf Coast	TX	Wood	251.049	251.195	0.1456	TX499	Darco fine sand, 2 to 5 percent slopes	0.116
Gulf Coast	TX	Wood	251.195	251.399	0.2040	TX499	Darco fine sand, 8 to 15 percent slopes	0.163
Gulf Coast	TX	Wood	251.527	251.917	0.3896	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.312
Gulf Coast	TX	Wood	251.917	252.143	0.2257	TX499	Tenaha loamy fine sand, 8 to 20 percent slopes	0.181
Gulf Coast	TX	Wood	252.143	252.188	0.0458	TX499	Redsprings very gravelly fine sandy loam, 8 to 25 percent slopes	0.037
Gulf Coast	TX	Wood	252.188	252.291	0.1031	TX499	Iulus fine sandy loam, frequently flooded	0.082
Gulf Coast	TX	Wood	252.291	252.538	0.2462	TX499	Darco fine sand, 8 to 15 percent slopes	0.197
Gulf Coast	TX	Wood	253.458	253.640	0.1820	TX499	Darco fine sand, 2 to 5 percent slopes	0.146

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	TX	Wood	253.640	253.691	0.0507	TX499	Darco fine sand, 8 to 15 percent slopes	0.041
Gulf Coast	TX	Wood	253.691	253.769	0.0786	TX499	Darco fine sand, 2 to 5 percent slopes	0.063
Gulf Coast	TX	Wood	253.769	253.875	0.1058	TX499	Darco fine sand, 8 to 15 percent slopes	0.085
Gulf Coast	TX	Wood	253.875	253.974	0.0994	TX499	Darco fine sand, 2 to 5 percent slopes	0.080
Gulf Coast	TX	Wood	253.974	254.146	0.1712	TX499	Darco fine sand, 8 to 15 percent slopes	0.137
Gulf Coast	TX	Wood	254.146	254.291	0.1454	TX499	Darco fine sand, 2 to 5 percent slopes	0.116
Gulf Coast	TX	Wood	254.291	254.528	0.2366	TX499	Darco fine sand, 8 to 15 percent slopes	0.189
Gulf Coast	TX	Wood	254.528	255.185	0.6571	TX499	Darco fine sand, 2 to 5 percent slopes	0.526
Gulf Coast	TX	Wood	255.185	255.287	0.1019	TX499	Darco fine sand, 8 to 15 percent slopes	0.081
Gulf Coast	TX	Wood	255.287	255.393	0.1064	TX499	Darco fine sand, 2 to 5 percent slopes	0.085
Gulf Coast	TX	Wood	255.393	255.504	0.1112	TX499	Darco fine sand, 8 to 15 percent slopes	0.089
Gulf Coast	TX	Wood	255.504	255.743	0.2390	TX499	Darco fine sand, 2 to 5 percent slopes	0.191
Gulf Coast	TX	Upshur	255.743	255.821	0.0776	TX608	Darco fine sand, 2 to 5 percent slopes	0.062
Gulf Coast	TX	Upshur	255.821	255.980	0.1588	TX608	Darco fine sand, 8 to 15 percent slopes	0.127
Gulf Coast	TX	Upshur	255.980	256.223	0.2433	TX608	Mantachie loam, frequently flooded	0.207
Gulf Coast	TX	Wood	256.358	256.516	0.1578	TX499	Manco loam, frequently flooded	0.110
Gulf Coast	TX	Wood	256.516	256.656	0.1405	TX499	Gallime fine sandy loam, 1 to 3 percent slopes	0.119
Gulf Coast	TX	Wood	256.656	256.701	0.0446	TX499	Manco loam, frequently flooded	0.031
Gulf Coast	TX	Wood	256.701	256.965	0.2638	TX499	Gallime fine sandy loam, 1 to 3 percent slopes	0.224
Gulf Coast	TX	Wood	256.965	257.133	0.1688	TX499	Lilbert loamy fine sand, 2 to 5 percent slopes	0.135
Gulf Coast	TX	Wood	257.133	257.382	0.2486	TX499	Bowie fine sandy loam, 1 to 5 percent slopes	0.199
Gulf Coast	TX	Upshur	257.382	257.513	0.1306	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.104
Gulf Coast	TX	Upshur	257.513	257.600	0.0869	TX608	Sacul fine sandy loam, 5 to 12 percent slopes	0.070
Gulf Coast	TX	Upshur	257.600	257.763	0.1634	TX608	Briley loamy fine sand, 2 to 5 percent slopes	0.139
Gulf Coast	TX	Upshur	257.763	257.871	0.1085	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.087
Gulf Coast	TX	Upshur	257.871	257.953	0.0819	TX608	Sacul fine sandy loam, 2 to 5 percent slopes	0.070
Gulf Coast	TX	Upshur	257.953	258.443	0.4897	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.392
Gulf Coast	TX	Upshur	258.443	258.525	0.0821	TX608	Wrightsville-Raino complex, 0 to 1 percent slopes	0.074
Gulf Coast	TX	Upshur	258.525	259.103	0.5777	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.462
Gulf Coast	TX	Upshur	259.103	259.155	0.0521	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.042
Gulf Coast	TX	Upshur	259.155	259.276	0.1207	TX608	Darco fine sand, 8 to 15 percent slopes	0.097
Gulf Coast	TX	Upshur	259.276	259.283	0.0078	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.006
Gulf Coast	TX	Upshur	259.283	259.465	0.1810	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.145
Gulf Coast	TX	Upshur	259.465	259.590	0.1259	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.101
Gulf Coast	TX	Upshur	259.590	259.647	0.0571	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.046
Gulf Coast	TX	Upshur	259.647	259.699	0.0512	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.041
Gulf Coast	TX	Upshur	259.699	259.927	0.2281	TX608	Bowie fine sandy loam, 2 to 5 percent slopes	0.182
Gulf Coast	TX	Upshur	259.927	260.106	0.1794	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.144
Gulf Coast	TX	Upshur	260.106	260.207	0.1007	TX608	Iuka fine sandy loam, frequently flooded	0.010
Gulf Coast	TX	Upshur	260.207	260.378	0.1711	TX608	Cuthbert fine sandy loam, 8 to 25 percent slopes	0.137
Gulf Coast	TX	Upshur	260.378	260.404	0.0257	TX608	Sacul fine sandy loam, 5 to 12 percent slopes	0.021
Gulf Coast	TX	Upshur	260.404	260.461	0.0571	TX608	Estes clay, frequently flooded	0.049
Gulf Coast	TX	Upshur	260.461	260.493	0.0326	TX608	Sacul fine sandy loam, 5 to 12 percent slopes	0.026
Gulf Coast	TX	Upshur	260.493	260.733	0.2397	TX608	Tenaha loamy fine sand, 8 to 20 percent slopes	0.204
Gulf Coast	TX	Upshur	260.733	260.895	0.1618	TX608	Sacul fine sandy loam, 5 to 12 percent slopes	0.129
Gulf Coast	TX	Upshur	260.895	261.030	0.1350	TX608	Kullit very fine sandy loam, 1 to 3 percent slopes	0.122
Gulf Coast	TX	Upshur	261.030	261.179	0.1494	TX608	Sacul fine sandy loam, 5 to 12 percent slopes	0.120
Gulf Coast	TX	Upshur	261.179	261.440	0.2610	TX608	Kullit very fine sandy loam, 1 to 3 percent slopes	0.235
Gulf Coast	TX	Upshur	261.440	261.492	0.0517	TX608	Sacul fine sandy loam, 5 to 12 percent slopes	0.041
Gulf Coast	TX	Upshur	261.492	261.552	0.0603	TX608	Mantachie loam, frequently flooded	0.051
Gulf Coast	TX	Upshur	261.552	261.618	0.0659	TX608	Latch-Mollville complex, 0 to 1 percent slopes	0.056
Gulf Coast	TX	Upshur	261.618	261.655	0.0369	TX608	Mantachie loam, frequently flooded	0.031
Gulf Coast	TX	Upshur	261.655	261.738	0.0831	TX608	Latch-Mollville complex, 0 to 1 percent slopes	0.071
Gulf Coast	TX	Upshur	261.738	262.743	1.0051	TX608	Mantachie loam, frequently flooded	0.854
Gulf Coast	TX	Smith	262.743	262.779	0.0356	TX423	Mantachie loam, frequently flooded	0.025
Gulf Coast	TX	Smith	262.779	262.971	0.1925	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.154
Gulf Coast	TX	Smith	262.971	263.309	0.3374	TX423	Oakwood fine sandy loam, 1 to 5 percent slopes	0.270
Gulf Coast	TX	Smith	263.309	263.334	0.0251	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.020
Gulf Coast	TX	Smith	263.334	263.413	0.0788	TX423	Oakwood fine sandy loam, 1 to 5 percent slopes	0.063
Gulf Coast	TX	Smith	263.413	263.535	0.1226	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.098
Gulf Coast	TX	Smith	263.535	263.642	0.1064	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.085
Gulf Coast	TX	Smith	263.642	263.770	0.1282	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.103
Gulf Coast	TX	Smith	263.770	263.902	0.1324	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.106
Gulf Coast	TX	Smith	263.902	264.163	0.2604	TX423	Redsprings very gravelly sandy loam, 2 to 5 percent slopes	0.195
Gulf Coast	TX	Smith	264.163	264.255	0.0922	TX423	Redsprings very gravelly sandy loam, 8 to 25 percent sl opes	0.078
Gulf Coast	TX	Smith	264.255	264.292	0.0376	TX423	Redsprings very gravelly sandy loam, 2 to 5 percent slopes	0.028
Gulf Coast	TX	Smith	264.292	264.308	0.0155	TX423	Redsprings very gravelly sandy loam, 8 to 25 percent sl opes	0.013
Gulf Coast	TX	Smith	264.308	264.343	0.0355	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.028
Gulf Coast	TX	Smith	264.343	264.455	0.1117	TX423	Redsprings very gravelly sandy loam, 8 to 25 percent sl opes	0.095
Gulf Coast	TX	Smith	264.455	264.610	0.1553	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.124
Gulf Coast	TX	Smith	264.610	264.865	0.2542	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.203
Gulf Coast	TX	Smith	264.865	265.187	0.3226	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	0.258
Gulf Coast	TX	Smith	265.187	265.303	0.1162	TX423	Redsprings very gravelly sandy loam, 8 to 25 percent sl opes	0.099

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	TX	Smith	265.303	265.343	0.0399	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	0.032
Gulf Coast	TX	Smith	265.343	265.507	0.1640	TX423	Kirvin gravelly fine sandy loam, 2 to 8 percent slopes	0.131
Gulf Coast	TX	Smith	265.507	265.661	0.1535	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.123
Gulf Coast	TX	Smith	265.661	265.862	0.2014	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.161
Gulf Coast	TX	Smith	265.862	266.111	0.2490	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.199
Gulf Coast	TX	Smith	266.111	266.201	0.0898	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.072
Gulf Coast	TX	Smith	266.201	266.616	0.4149	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.332
Gulf Coast	TX	Smith	266.616	266.794	0.1784	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.143
Gulf Coast	TX	Smith	266.794	266.838	0.0440	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.035
Gulf Coast	TX	Smith	266.838	266.921	0.0827	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.070
Gulf Coast	TX	Smith	266.921	267.109	0.1880	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.150
Gulf Coast	TX	Smith	267.169	267.208	0.0384	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.031
Gulf Coast	TX	Smith	267.208	267.603	0.3948	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.316
Gulf Coast	TX	Smith	267.603	267.723	0.1206	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.097
Gulf Coast	TX	Smith	267.723	267.864	0.1403	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.119
Gulf Coast	TX	Smith	267.864	267.888	0.0243	TX423	Mantachie loam, frequently flooded	0.017
Gulf Coast	TX	Smith	267.888	267.997	0.1094	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.093
Gulf Coast	TX	Smith	267.997	268.017	0.0201	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.016
Gulf Coast	TX	Smith	268.274	268.488	0.2145	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.172
Gulf Coast	TX	Smith	268.488	268.560	0.0724	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.058
Gulf Coast	TX	Smith	268.560	268.703	0.1422	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.114
Gulf Coast	TX	Smith	268.703	268.941	0.2384	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.191
Gulf Coast	TX	Smith	268.941	269.100	0.1585	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.127
Gulf Coast	TX	Smith	269.100	269.154	0.0544	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.044
Gulf Coast	TX	Smith	269.154	269.335	0.1810	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.145
Gulf Coast	TX	Smith	269.335	269.413	0.0781	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.062
Gulf Coast	TX	Smith	269.413	269.481	0.0681	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.054
Gulf Coast	TX	Smith	269.481	269.575	0.0935	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.075
Gulf Coast	TX	Smith	269.575	269.615	0.0405	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.032
Gulf Coast	TX	Smith	269.615	269.659	0.0435	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.035
Gulf Coast	TX	Smith	269.659	269.815	0.1564	TX423	Darco loamy fine sand, 8 to 15 percent slopes	0.125
Gulf Coast	TX	Smith	269.815	270.075	0.2597	TX423	Mantachie loam, frequently flooded	0.182
Gulf Coast	TX	Smith	270.075	270.141	0.0665	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.053
Gulf Coast	TX	Smith	270.141	270.343	0.2018	TX423	Darco loamy fine sand, 8 to 15 percent slopes	0.161
Gulf Coast	TX	Smith	270.343	270.515	0.1720	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.138
Gulf Coast	TX	Smith	270.515	270.597	0.0818	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.065
Gulf Coast	TX	Smith	270.597	270.709	0.1122	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.090
Gulf Coast	TX	Smith	270.709	270.866	0.1572	TX423	Sacul very fine sandy loam, 1 to 5 percent slopes	0.134
Gulf Coast	TX	Smith	270.866	270.927	0.0604	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.048
Gulf Coast	TX	Smith	270.927	271.064	0.1379	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.110
Gulf Coast	TX	Smith	271.064	271.170	0.1054	TX423	Bowie fine sandy loam, 5 to 8 percent slopes	0.090
Gulf Coast	TX	Smith	271.170	271.310	0.1404	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.112
Gulf Coast	TX	Smith	271.310	271.325	0.0152	TX423	Bowie fine sandy loam, 5 to 8 percent slopes	0.013
Gulf Coast	TX	Smith	271.325	271.375	0.0493	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.039
Gulf Coast	TX	Smith	271.375	271.436	0.0609	TX423	Bowie fine sandy loam, 5 to 8 percent slopes	0.052
Gulf Coast	TX	Smith	271.436	271.479	0.0434	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.035
Gulf Coast	TX	Smith	271.479	271.580	0.1013	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.081
Gulf Coast	TX	Smith	271.580	271.990	0.4099	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.328
Gulf Coast	TX	Smith	271.990	272.209	0.2190	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.175
Gulf Coast	TX	Smith	272.209	272.312	0.1032	TX423	Bowie fine sandy loam, 5 to 8 percent slopes	0.088
Gulf Coast	TX	Smith	272.312	272.328	0.0153	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.012
Gulf Coast	TX	Smith	272.328	272.624	0.2960	TX423	Darco loamy fine sand, 1 to 6 percent slopes	0.237
Gulf Coast	TX	Smith	272.624	272.688	0.0644	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.051
Gulf Coast	TX	Smith	272.829	272.965	0.1360	TX423	Derly-Besner complex, 0 to 1 percent slopes	0.122
Gulf Coast	TX	Smith	272.965	273.032	0.0672	TX423	Mantachie loam, frequently flooded	0.047
Gulf Coast	TX	Smith	273.032	273.251	0.2184	TX423	Derly-Besner complex, 0 to 1 percent slopes	0.197
Gulf Coast	TX	Smith	273.251	273.412	0.1615	TX423	Leagueville loamy fine sand, 0 to 5 percent slopes	0.129
Gulf Coast	TX	Smith	273.412	274.276	0.8641	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.691
Gulf Coast	TX	Smith	274.276	274.431	0.1545	TX423	Bowie fine sandy loam, 5 to 8 percent slopes	0.131
Gulf Coast	TX	Smith	274.431	274.582	0.1516	TX423	Darco loamy fine sand, 1 to 6 percent slopes	0.121
Gulf Coast	TX	Smith	274.582	274.599	0.0167	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.014
Gulf Coast	TX	Smith	274.599	274.684	0.0854	TX423	Darco loamy fine sand, 1 to 6 percent slopes	0.068
Gulf Coast	TX	Smith	274.684	274.765	0.0810	TX423	Mantachie loam, frequently flooded	0.057
Gulf Coast	TX	Smith	274.765	274.788	0.0224	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.018
Gulf Coast	TX	Smith	274.788	274.932	0.1438	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.115
Gulf Coast	TX	Smith	274.932	275.530	0.5986	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.479
Gulf Coast	TX	Smith	275.530	275.754	0.2235	TX423	Darco loamy fine sand, 1 to 6 percent slopes	0.179
Gulf Coast	TX	Smith	275.754	276.080	0.3263	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.261
Gulf Coast	TX	Smith	276.080	276.238	0.1578	TX423	Mantachie loam, frequently flooded	0.110
Gulf Coast	TX	Smith	276.238	276.478	0.2407	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.193
Gulf Coast	TX	Smith	276.530	276.822	0.2910	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.233
Gulf Coast	TX	Smith	276.822	276.894	0.0728	TX423	Mantachie loam, frequently flooded	0.051
Gulf Coast	TX	Smith	276.894	276.933	0.0390	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.031

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	TX	Smith	276.933	277.476	0.5423	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.434
Gulf Coast	TX	Smith	277.476	277.660	0.1844	TX423	Mantachie loam, frequently flooded	0.129
Gulf Coast	TX	Smith	277.660	277.868	0.2078	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.166
Gulf Coast	TX	Smith	277.868	278.036	0.1686	TX423	Mantachie loam, frequently flooded	0.118
Gulf Coast	TX	Smith	278.036	278.789	0.7529	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.602
Gulf Coast	TX	Smith	278.789	278.843	0.0533	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.043
Gulf Coast	TX	Smith	278.843	279.145	0.3025	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.242
Gulf Coast	TX	Smith	279.145	279.199	0.0544	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.043
Gulf Coast	TX	Smith	279.199	279.358	0.1580	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.126
Gulf Coast	TX	Smith	279.358	279.454	0.0964	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.077
Gulf Coast	TX	Smith	279.454	279.519	0.0650	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.052
Gulf Coast	TX	Smith	279.519	279.680	0.1614	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.129
Gulf Coast	TX	Smith	279.680	279.769	0.0889	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.071
Gulf Coast	TX	Smith	279.769	279.817	0.0478	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.038
Gulf Coast	TX	Smith	279.817	279.871	0.0536	TX423	Mantachie loam, frequently flooded	0.038
Gulf Coast	TX	Smith	279.871	280.019	0.1486	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.119
Gulf Coast	TX	Smith	280.019	280.237	0.2175	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.174
Gulf Coast	TX	Smith	280.237	280.371	0.1339	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.107
Gulf Coast	TX	Smith	280.371	280.764	0.3932	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.315
Gulf Coast	TX	Smith	280.764	280.880	0.1160	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.093
Gulf Coast	TX	Smith	280.880	281.026	0.1464	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.117
Gulf Coast	TX	Smith	281.026	281.054	0.0279	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.022
Gulf Coast	TX	Smith	281.054	281.143	0.0889	TX423	Mantachie loam, frequently flooded	0.062
Gulf Coast	TX	Smith	281.143	282.023	0.8800	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.704
Gulf Coast	TX	Smith	282.023	282.089	0.0658	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.053
Gulf Coast	TX	Smith	282.089	282.118	0.0293	TX423	Cuthbert and Redsprings soils, graded, 3 to 8 percent slopes	0.026
Gulf Coast	TX	Smith	282.118	282.136	0.0179	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.014
Gulf Coast	TX	Smith	282.136	282.171	0.0348	TX423	Cuthbert and Redsprings soils, graded, 3 to 8 percent slopes	0.031
Gulf Coast	TX	Smith	282.171	282.227	0.0561	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.045
Gulf Coast	TX	Smith	282.227	282.462	0.2351	TX423	Bernaldo fine sandy loam, 1 to 3 percent slopes	0.188
Gulf Coast	TX	Smith	282.462	282.540	0.0776	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.066
Gulf Coast	TX	Smith	282.540	282.740	0.2004	TX423	Mantachie loam, frequently flooded	0.140
Gulf Coast	TX	Smith	282.740	282.818	0.0781	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	0.062
Gulf Coast	TX	Smith	282.818	283.017	0.1988	TX423	Redsprings very gravelly sandy loam, 2 to 5 percent slopes	0.149
Gulf Coast	TX	Smith	283.017	283.526	0.5089	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.407
Gulf Coast	TX	Smith	283.526	283.728	0.2024	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.162
Gulf Coast	TX	Smith	283.728	283.744	0.0160	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.013
Gulf Coast	TX	Smith	283.744	283.788	0.0436	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	0.035
Gulf Coast	TX	Smith	283.788	283.860	0.0716	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.057
Gulf Coast	TX	Smith	283.860	283.901	0.0413	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.033
Gulf Coast	TX	Smith	283.901	284.113	0.2121	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.170
Gulf Coast	TX	Smith	284.113	284.261	0.1484	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.126
Gulf Coast	TX	Smith	284.261	284.337	0.0760	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.061
Gulf Coast	TX	Smith	284.337	285.779	1.4414	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	1.153
Gulf Coast	TX	Smith	285.779	285.813	0.0338	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.027
Gulf Coast	TX	Smith	285.813	285.876	0.0635	TX423	Leagueville loamy fine sand, 0 to 5 percent slopes	0.051
Gulf Coast	TX	Smith	285.876	285.958	0.0825	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.066
Gulf Coast	TX	Smith	285.958	286.228	0.2698	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.216
Gulf Coast	TX	Smith	286.228	286.243	0.0143	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.011
Gulf Coast	TX	Smith	286.243	286.361	0.1182	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.095
Gulf Coast	TX	Smith	286.361	286.462	0.1007	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.081
Gulf Coast	TX	Smith	286.462	286.602	0.1402	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.112
Gulf Coast	TX	Smith	286.602	286.784	0.1821	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	0.146
Gulf Coast	TX	Smith	286.784	286.823	0.0392	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.033
Gulf Coast	TX	Smith	286.823	287.041	0.2176	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.174
Gulf Coast	TX	Smith	287.041	287.120	0.0788	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.063
Gulf Coast	TX	Smith	287.120	287.204	0.0846	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.068
Gulf Coast	TX	Smith	287.204	287.314	0.1099	TX423	Bowie fine sandy loam, 5 to 8 percent slopes	0.093
Gulf Coast	TX	Smith	287.314	287.382	0.0678	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.054
Gulf Coast	TX	Smith	287.382	287.597	0.2155	TX423	Bowie fine sandy loam, 5 to 8 percent slopes	0.183
Gulf Coast	TX	Smith	287.597	287.777	0.1792	TX423	Tenaha loamy fine sand, 8 to 20 percent slopes	0.143
Gulf Coast	TX	Smith	287.777	287.864	0.0876	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.070
Gulf Coast	TX	Smith	287.864	288.087	0.2230	TX423	Bowie fine sandy loam, 5 to 8 percent slopes	0.190
Gulf Coast	TX	Smith	288.087	288.139	0.0522	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.042
Gulf Coast	TX	Smith	288.139	288.299	0.1592	TX423	Kullit fine sandy loam, 1 to 3 percent slopes	0.135
Gulf Coast	TX	Smith	288.299	288.335	0.0361	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.029
Gulf Coast	TX	Smith	288.335	288.431	0.0960	TX423	Kullit fine sandy loam, 1 to 3 percent slopes	0.082
Gulf Coast	TX	Smith	288.431	288.465	0.0342	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.027
Gulf Coast	TX	Smith	288.465	288.505	0.0397	TX423	Kullit fine sandy loam, 1 to 3 percent slopes	0.034
Gulf Coast	TX	Smith	288.505	288.590	0.0850	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.068
Gulf Coast	TX	Smith	288.590	288.637	0.0477	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.038
Gulf Coast	TX	Smith	288.637	288.677	0.0397	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.032
Gulf Coast	TX	Smith	288.677	288.780	0.1028	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.082

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	TX	Smith	288.780	288.783	0.0031	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.002
Gulf Coast	TX	Smith	288.783	288.822	0.0387	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.031
Gulf Coast	TX	Smith	288.822	288.876	0.0539	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.043
Gulf Coast	TX	Smith	288.876	288.940	0.0643	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.051
Gulf Coast	TX	Smith	288.940	289.212	0.2718	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.217
Gulf Coast	TX	Smith	289.212	289.326	0.1147	TX423	Mantachie loam, frequently flooded	0.080
Gulf Coast	TX	Smith	289.326	289.518	0.1912	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.153
Gulf Coast	TX	Smith	289.518	289.576	0.0585	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.047
Gulf Coast	TX	Smith	289.576	289.789	0.2131	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.170
Gulf Coast	TX	Smith	289.789	289.854	0.0650	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.052
Gulf Coast	TX	Smith	289.854	289.983	0.1291	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.103
Gulf Coast	TX	Smith	289.983	290.053	0.0700	TX423	Sacul very fine sandy loam, 1 to 5 percent slopes	0.060
Gulf Coast	TX	Smith	290.053	290.127	0.0733	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.059
Gulf Coast	TX	Smith	290.127	290.202	0.0754	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.060
Gulf Coast	TX	Smith	290.202	290.310	0.1076	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.086
Gulf Coast	TX	Smith	290.310	290.392	0.0826	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.066
Gulf Coast	TX	Smith	290.392	290.435	0.0423	TX423	Mantachie loam, frequently flooded	0.030
Gulf Coast	TX	Smith	290.435	290.494	0.0596	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.048
Gulf Coast	TX	Smith	290.494	290.719	0.2247	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.180
Gulf Coast	TX	Smith	290.719	290.796	0.0773	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.062
Gulf Coast	TX	Smith	290.796	290.831	0.0351	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.028
Gulf Coast	TX	Smith	290.831	290.922	0.0910	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.073
Gulf Coast	TX	Smith	290.922	290.945	0.0223	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.018
Gulf Coast	TX	Smith	290.945	291.152	0.2073	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.166
Gulf Coast	TX	Smith	291.152	291.267	0.1148	TX423	Mantachie loam, frequently flooded	0.080
Gulf Coast	TX	Smith	291.267	291.347	0.0808	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.065
Gulf Coast	TX	Smith	291.347	291.421	0.0731	TX423	Kirvin very fine sandy loam, 1 to 5 percent slopes	0.059
Gulf Coast	TX	Smith	291.421	291.501	0.0803	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.064
Gulf Coast	TX	Smith	291.501	291.705	0.2039	TX423	Mantachie loam, frequently flooded	0.143
Gulf Coast	TX	Smith	291.705	291.800	0.0952	TX423	Bowie fine sandy loam, 5 to 8 percent slopes	0.081
Gulf Coast	TX	Smith	291.800	291.865	0.0649	TX423	Bowie fine sandy loam, 1 to 5 percent slopes	0.052
Gulf Coast	TX	Smith	291.865	291.983	0.1184	TX423	Bowie fine sandy loam, 5 to 8 percent slopes	0.101
Gulf Coast	TX	Smith	291.983	292.126	0.1426	TX423	Gallime fine sandy loam, 1 to 5 percent slopes	0.121
Gulf Coast	TX	Smith	292.126	292.316	0.1897	TX423	Lilbert loamy fine sand, 1 to 6 percent slopes	0.152
Gulf Coast	TX	Smith	292.316	292.416	0.1009	TX423	Mantachie loam, frequently flooded	0.071
Gulf Coast	TX	Smith	292.416	292.451	0.0342	TX423	Cuthbert fine sandy loam, 5 to 20 percent slopes	0.027
Gulf Coast	TX	Cherokee	292.451	292.556	0.1058	TX073	Lilbert loamy fine sand, gently sloping	0.106
Gulf Coast	TX	Cherokee	292.680	292.725	0.0451	TX073	Briley loamy fine sand, sloping	0.045
Gulf Coast	TX	Cherokee	292.725	292.748	0.0235	TX073	Ruston fine sandy loam, sloping	0.024
Gulf Coast	TX	Cherokee	292.777	292.814	0.0371	TX073	Lilbert loamy fine sand, sloping	0.037
Gulf Coast	TX	Cherokee	292.814	292.930	0.1156	TX073	Briley loamy fine sand, sloping	0.116
Gulf Coast	TX	Cherokee	293.105	293.185	0.0802	TX073	Darco loamy fine sand, strongly sloping, eroded	0.080
Gulf Coast	TX	Cherokee	293.222	293.263	0.0410	TX073	Darco loamy fine sand, strongly sloping	0.041
Gulf Coast	TX	Cherokee	293.384	293.418	0.0340	TX073	Darco loamy fine sand, strongly sloping	0.034
Gulf Coast	TX	Cherokee	293.446	293.504	0.0579	TX073	Darco loamy fine sand, strongly sloping	0.058
Gulf Coast	TX	Cherokee	293.564	293.630	0.0668	TX073	Darco loamy fine sand, strongly sloping	0.067
Gulf Coast	TX	Cherokee	293.630	293.876	0.2453	TX073	Bowie fine sandy loam, sloping	0.245
Gulf Coast	TX	Cherokee	293.876	293.889	0.0134	TX073	Sacul fine sandy loam, sloping	0.013
Gulf Coast	TX	Cherokee	293.889	293.926	0.0365	TX073	Lilbert loamy fine sand, sloping	0.036
Gulf Coast	TX	Cherokee	293.926	294.134	0.2083	TX073	Sacul fine sandy loam, sloping	0.208
Gulf Coast	TX	Cherokee	294.134	294.172	0.0384	TX073	Lilbert loamy fine sand, sloping	0.038
Gulf Coast	TX	Cherokee	294.172	294.173	0.0003	TX073	Sacul fine sandy loam, sloping	0.000
Gulf Coast	TX	Cherokee	294.173	294.259	0.0862	TX073	Bowie fine sandy loam, sloping	0.086
Gulf Coast	TX	Cherokee	294.259	294.326	0.0667	TX073	Sacul fine sandy loam, sloping	0.067
Gulf Coast	TX	Cherokee	294.383	294.396	0.0124	TX073	Bowie fine sandy loam, sloping	0.012
Gulf Coast	TX	Cherokee	294.450	294.651	0.2009	TX073	Bowie fine sandy loam, sloping	0.201
Gulf Coast	TX	Cherokee	294.669	294.713	0.0447	TX073	Bowie fine sandy loam, sloping	0.045
Gulf Coast	TX	Cherokee	295.072	295.230	0.1578	TX073	Lilbert loamy fine sand, sloping	0.158
Gulf Coast	TX	Cherokee	295.293	295.339	0.0460	TX073	Lilbert loamy fine sand, sloping	0.046
Gulf Coast	TX	Cherokee	295.339	295.470	0.1303	TX073	Lilbert loamy fine sand, gently sloping	0.130
Gulf Coast	TX	Cherokee	295.531	295.584	0.0525	TX073	Darco loamy fine sand, strongly sloping	0.052
Gulf Coast	TX	Cherokee	295.642	295.709	0.0673	TX073	Darco loamy fine sand, strongly sloping	0.067
Gulf Coast	TX	Cherokee	295.920	296.124	0.2048	TX073	Briley loamy fine sand, sloping	0.205
Gulf Coast	TX	Cherokee	296.124	296.173	0.0485	TX073	Bowie fine sandy loam, sloping	0.048
Gulf Coast	TX	Cherokee	296.173	296.351	0.1782	TX073	Briley loamy fine sand, sloping	0.178
Gulf Coast	TX	Cherokee	296.460	296.503	0.0426	TX073	Woodtell fine sandy loam, gently sloping	0.043
Gulf Coast	TX	Cherokee	296.503	296.576	0.0738	TX073	Woodtell fine sandy loam, sloping	0.074
Gulf Coast	TX	Cherokee	296.686	296.800	0.1143	TX073	Woodtell fine sandy loam, sloping	0.114
Gulf Coast	TX	Cherokee	296.841	296.908	0.0676	TX073	Darco loamy fine sand, strongly sloping	0.068
Gulf Coast	TX	Cherokee	296.908	297.018	0.1098	TX073	Briley loamy fine sand, sloping	0.110
Gulf Coast	TX	Cherokee	297.124	297.214	0.0903	TX073	Briley loamy fine sand, sloping	0.090
Gulf Coast	TX	Cherokee	297.214	297.225	0.0113	TX073	Darco loamy fine sand, strongly sloping	0.011
Gulf Coast	TX	Cherokee	297.225	297.355	0.1301	TX073	Briley loamy fine sand, sloping	0.130

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	TX	Cherokee	297.355	297.709	0.3538	TX073	Darco loamy fine sand, strongly sloping	0.354
Gulf Coast	TX	Cherokee	297.709	297.782	0.0727	TX073	Angelina	0.071
Gulf Coast	TX	Cherokee	297.782	297.827	0.0455	TX073	Tenaha loamy fine sand, strongly sloping	0.036
Gulf Coast	TX	Cherokee	297.901	297.939	0.0385	TX073	Darco loamy fine sand, strongly sloping	0.038
Gulf Coast	TX	Cherokee	297.939	297.964	0.0248	TX073	Angelina	0.024
Gulf Coast	TX	Cherokee	297.964	298.065	0.1004	TX073	Darco loamy fine sand, strongly sloping	0.100
Gulf Coast	TX	Cherokee	298.065	298.094	0.0290	TX073	Angelina	0.028
Gulf Coast	TX	Cherokee	298.180	298.248	0.0677	TX073	Angelina	0.066
Gulf Coast	TX	Cherokee	298.248	298.428	0.1801	TX073	Darco loamy fine sand, strongly sloping	0.180
Gulf Coast	TX	Cherokee	298.428	298.449	0.0206	TX073	Lilbert loamy fine sand, sloping	0.021
Gulf Coast	TX	Cherokee	298.449	298.536	0.0877	TX073	Darco loamy fine sand, strongly sloping	0.088
Gulf Coast	TX	Cherokee	298.599	298.657	0.0587	TX073	Briley loamy fine sand, sloping	0.059
Gulf Coast	TX	Cherokee	298.657	298.847	0.1894	TX073	Lilbert loamy fine sand, sloping, eroded	0.189
Gulf Coast	TX	Cherokee	298.847	298.988	0.1417	TX073	Briley loamy fine sand, sloping	0.142
Gulf Coast	TX	Cherokee	299.237	299.242	0.0055	TX073	Briley loamy fine sand, sloping	0.005
Gulf Coast	TX	Cherokee	299.242	299.584	0.3419	TX073	Sacul fine sandy loam, gently sloping	0.342
Gulf Coast	TX	Cherokee	299.584	299.646	0.0624	TX073	Sacul fine sandy loam, sloping	0.062
Gulf Coast	TX	Cherokee	299.646	299.765	0.1182	TX073	Sacul fine sandy loam, gently sloping	0.118
Gulf Coast	TX	Cherokee	299.765	299.877	0.1123	TX073	Lilbert loamy fine sand, sloping	0.112
Gulf Coast	TX	Rusk	300.058	300.790	0.7320	TX401	Keechi fine sandy loam, frequently flooded	0.695
Gulf Coast	TX	Rusk	300.790	301.173	0.3829	TX401	Laneville loam, frequently flooded	0.314
Gulf Coast	TX	Rusk	301.173	301.524	0.3513	TX401	Kirvin fine sandy loam, 5 to 15 percent slopes	0.316
Gulf Coast	TX	Rusk	301.524	301.687	0.1627	TX401	Latex very fine sandy loam, 1 to 3 percent slopes	0.138
Gulf Coast	TX	Rusk	301.687	301.963	0.2759	TX401	Sawlit-Sawtown complex, 0 to 2 percent slopes	0.262
Gulf Coast	TX	Rusk	301.963	302.037	0.0743	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.068
Gulf Coast	TX	Rusk	302.037	302.223	0.1864	TX401	Laneville loam, frequently flooded	0.153
Gulf Coast	TX	Rusk	302.223	302.343	0.1197	TX401	Sacul fine sandy loam, 1 to 3 percent slopes	0.110
Gulf Coast	TX	Rusk	302.343	302.369	0.0262	TX401	Sawlit-Sawtown complex, 0 to 2 percent slopes	0.025
Gulf Coast	TX	Rusk	302.369	302.474	0.1046	TX401	Kirvin fine sandy loam, 2 to 5 percent slopes	0.096
Gulf Coast	TX	Rusk	302.474	302.553	0.0794	TX401	Sawlit-Sawtown complex, 0 to 2 percent slopes	0.075
Gulf Coast	TX	Rusk	302.553	302.592	0.0386	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.035
Gulf Coast	TX	Rusk	302.592	302.775	0.1830	TX401	Sawlit-Sawtown complex, 0 to 2 percent slopes	0.174
Gulf Coast	TX	Rusk	302.775	302.861	0.0858	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.079
Gulf Coast	TX	Rusk	302.861	302.967	0.1059	TX401	Laneville loam, frequently flooded	0.087
Gulf Coast	TX	Rusk	302.967	303.073	0.1064	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.098
Gulf Coast	TX	Rusk	303.073	303.166	0.0933	TX401	Sawlit-Sawtown complex, 0 to 2 percent slopes	0.089
Gulf Coast	TX	Rusk	303.166	303.209	0.0426	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.039
Gulf Coast	TX	Rusk	303.209	303.237	0.0279	TX401	Kirvin fine sandy loam, 2 to 5 percent slopes	0.026
Gulf Coast	TX	Rusk	303.237	303.343	0.1060	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.098
Gulf Coast	TX	Rusk	303.343	303.517	0.1740	TX401	Kirvin fine sandy loam, 2 to 5 percent slopes	0.160
Gulf Coast	TX	Rusk	303.517	303.686	0.1691	TX401	Lilbert loamy fine sand, 2 to 5 percent slopes	0.156
Gulf Coast	TX	Rusk	303.686	303.962	0.2764	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.254
Gulf Coast	TX	Rusk	303.962	304.180	0.2174	TX401	Kirvin fine sandy loam, 2 to 5 percent slopes	0.200
Gulf Coast	TX	Rusk	304.180	304.433	0.2534	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.233
Gulf Coast	TX	Rusk	304.433	304.598	0.1646	TX401	Redsprings gravelly fine sandy loam, 15 to 40 percent slopes	0.160
Gulf Coast	TX	Rusk	305.023	305.539	0.5155	TX401	Redsprings gravelly fine sandy loam, 5 to 15 percent slopes	0.490
Gulf Coast	TX	Rusk	305.539	305.828	0.2895	TX401	Darco loamy fine sand, 8 to 15 percent slope	0.266
Gulf Coast	TX	Rusk	305.828	305.904	0.0758	TX401	Redsprings gravelly fine sandy loam, 5 to 15 percent slopes	0.072
Gulf Coast	TX	Rusk	305.904	306.191	0.2866	TX401	Tenaha loamy fine sand, 5 to 15 percent slopes	0.258
Gulf Coast	TX	Rusk	306.303	306.366	0.0638	TX401	Darco loamy fine sand, 1 to 8 percent slopes	0.059
Gulf Coast	TX	Rusk	306.366	306.404	0.0373	TX401	Tenaha loamy fine sand, 5 to 15 percent slopes	0.034
Gulf Coast	TX	Rusk	306.404	306.468	0.0643	TX401	Darco loamy fine sand, 1 to 8 percent slopes	0.059
Gulf Coast	TX	Rusk	306.848	307.056	0.2080	TX401	Lilbert loamy fine sand, 2 to 5 percent slopes	0.191
Gulf Coast	TX	Rusk	307.056	307.170	0.1146	TX401	Tenaha loamy fine sand, 5 to 15 percent slopes	0.103
Gulf Coast	TX	Rusk	307.170	307.319	0.1482	TX401	Laneville loam, frequently flooded	0.122
Gulf Coast	TX	Rusk	307.319	307.414	0.0957	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.086
Gulf Coast	TX	Rusk	307.414	307.626	0.2118	TX401	Laneville loam, frequently flooded	0.174
Gulf Coast	TX	Rusk	307.626	307.871	0.2451	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.226
Gulf Coast	TX	Rusk	307.871	308.042	0.1704	TX401	Sacul fine sandy loam, 1 to 3 percent slopes	0.157
Gulf Coast	TX	Rusk	308.042	308.247	0.2057	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.189
Gulf Coast	TX	Rusk	308.247	308.383	0.1351	TX401	Laneville loam, frequently flooded	0.111
Gulf Coast	TX	Rusk	308.383	308.457	0.0747	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.069
Gulf Coast	TX	Rusk	308.457	308.675	0.2180	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.196
Gulf Coast	TX	Rusk	308.675	308.743	0.0673	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.062
Gulf Coast	TX	Rusk	308.743	308.991	0.2483	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.224
Gulf Coast	TX	Rusk	308.991	309.116	0.1248	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.115
Gulf Coast	TX	Rusk	309.116	309.206	0.0903	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.081
Gulf Coast	TX	Rusk	309.206	309.327	0.1209	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.111
Gulf Coast	TX	Rusk	309.327	309.532	0.2046	TX401	Lilbert loamy fine sand, 2 to 5 percent slopes	0.188
Gulf Coast	TX	Rusk	309.532	309.663	0.1309	TX401	Kirvin fine sandy loam, 5 to 15 percent slopes	0.118
Gulf Coast	TX	Rusk	309.663	309.736	0.0733	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.066
Gulf Coast	TX	Rusk	309.736	309.829	0.0928	TX401	Kirvin fine sandy loam, 5 to 15 percent slopes	0.083
Gulf Coast	TX	Rusk	309.829	310.031	0.2023	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.182

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	TX	Rusk	310.031	310.259	0.2280	TX401	Sacul fine sandy loam, 1 to 3 percent slopes	0.210
Gulf Coast	TX	Rusk	310.259	310.383	0.1243	TX401	Kirvin fine sandy loam, 2 to 5 percent slopes	0.114
Gulf Coast	TX	Rusk	310.383	310.450	0.0668	TX401	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.061
Gulf Coast	TX	Rusk	310.450	311.709	1.2585	TX401	Mattex clay loam, frequently flooded	1.070
Gulf Coast	TX	Rusk	311.709	311.776	0.0673	TX401	Keechi fine sandy loam, frequently flooded	0.064
Gulf Coast	TX	Rusk	311.776	312.733	0.9568	TX401	Mattex clay loam, frequently flooded	0.813
Gulf Coast	TX	Rusk	312.733	312.788	0.0556	TX401	Laneville loam, occasionally flooded	0.046
Gulf Coast	TX	Rusk	312.788	312.800	0.0115	TX401	Mattex clay loam, frequently flooded	0.010
Gulf Coast	TX	Rusk	312.800	312.836	0.0362	TX401	Laneville loam, occasionally flooded	0.030
Gulf Coast	TX	Rusk	312.836	312.878	0.0423	TX401	Mattex clay loam, frequently flooded	0.036
Gulf Coast	TX	Rusk	312.878	313.116	0.2380	TX401	Laneville loam, occasionally flooded	0.195
Gulf Coast	TX	Rusk	313.116	313.182	0.0652	TX401	Kirvin fine sandy loam, 5 to 15 percent slopes	0.059
Gulf Coast	TX	Rusk	313.182	313.250	0.0686	TX401	Sacul fine sandy loam, 1 to 3 percent slopes	0.063
Gulf Coast	TX	Rusk	313.250	313.269	0.0191	TX401	Bowie very fine sandy loam, 1 to 4 percent slopes	0.017
Gulf Coast	TX	Rusk	313.269	313.366	0.0971	TX401	Sacul fine sandy loam, 1 to 3 percent slopes	0.089
Gulf Coast	TX	Rusk	313.366	313.493	0.1266	TX401	Kirvin fine sandy loam, 5 to 15 percent slopes	0.114
Gulf Coast	TX	Rusk	313.493	313.552	0.0591	TX401	Laneville loam, occasionally flooded	0.048
Gulf Coast	TX	Rusk	313.552	313.606	0.0545	TX401	Kirvin fine sandy loam, 2 to 5 percent slopes	0.050
Gulf Coast	TX	Nacogdoches	313.606	313.761	0.1543	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	0.116
Gulf Coast	TX	Nacogdoches	313.761	313.973	0.2120	TX347	Bowie fine sandy loam, 1 to 8 percent slopes	0.170
Gulf Coast	TX	Nacogdoches	313.973	313.984	0.0115	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	0.009
Gulf Coast	TX	Nacogdoches	313.984	314.052	0.0678	TX347	Kullit fine sandy loam, 1 to 3 percent slopes	0.058
Gulf Coast	TX	Nacogdoches	314.052	314.219	0.1671	TX347	Sacul fine sandy loam, 5 to 20 percent slopes	0.134
Gulf Coast	TX	Nacogdoches	314.219	314.326	0.1068	TX347	Bowie fine sandy loam, 1 to 8 percent slopes	0.085
Gulf Coast	TX	Nacogdoches	314.326	314.390	0.0646	TX347	Sacul fine sandy loam, 1 to 5 percent slopes	0.052
Gulf Coast	TX	Nacogdoches	314.390	314.460	0.0695	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	0.052
Gulf Coast	TX	Nacogdoches	314.460	314.483	0.0227	TX347	Kullit fine sandy loam, 1 to 3 percent slopes	0.019
Gulf Coast	TX	Nacogdoches	314.483	314.854	0.3709	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	0.278
Gulf Coast	TX	Nacogdoches	314.854	314.968	0.1143	TX347	Kullit fine sandy loam, 1 to 3 percent slopes	0.097
Gulf Coast	TX	Nacogdoches	314.968	315.074	0.1058	TX347	Sacul fine sandy loam, 1 to 5 percent slopes	0.085
Gulf Coast	TX	Nacogdoches	315.074	315.140	0.0662	TX347	Marietta soils, frequently flooded	0.063
Gulf Coast	TX	Nacogdoches	315.140	315.318	0.1778	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.142
Gulf Coast	TX	Nacogdoches	315.318	315.340	0.0221	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	0.017
Gulf Coast	TX	Nacogdoches	315.340	315.357	0.0175	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.014
Gulf Coast	TX	Nacogdoches	315.357	315.386	0.0284	TX347	Bowie fine sandy loam, 1 to 8 percent slopes	0.023
Gulf Coast	TX	Nacogdoches	315.386	315.436	0.0501	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.040
Gulf Coast	TX	Nacogdoches	315.594	315.661	0.0665	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.053
Gulf Coast	TX	Nacogdoches	315.661	316.051	0.3902	TX347	Marietta soils, frequently flooded	0.371
Gulf Coast	TX	Nacogdoches	316.051	316.093	0.0421	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.034
Gulf Coast	TX	Nacogdoches	316.093	316.101	0.0077	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.007
Gulf Coast	TX	Nacogdoches	316.101	316.179	0.0778	TX347	Darco loamy fine sand, 8 to 20 percent slopes	0.062
Gulf Coast	TX	Nacogdoches	316.179	316.262	0.0832	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.067
Gulf Coast	TX	Nacogdoches	316.262	316.279	0.0172	TX347	Darco loamy fine sand, 8 to 20 percent slopes	0.014
Gulf Coast	TX	Nacogdoches	316.279	316.422	0.1428	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.114
Gulf Coast	TX	Nacogdoches	316.422	316.492	0.0707	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	0.053
Gulf Coast	TX	Nacogdoches	316.492	316.525	0.0324	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.026
Gulf Coast	TX	Nacogdoches	316.525	316.558	0.0337	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	0.025
Gulf Coast	TX	Nacogdoches	316.558	316.574	0.0160	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.013
Gulf Coast	TX	Nacogdoches	316.574	316.606	0.0317	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	0.024
Gulf Coast	TX	Nacogdoches	316.606	316.672	0.0663	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.053
Gulf Coast	TX	Nacogdoches	316.672	316.742	0.0695	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.056
Gulf Coast	TX	Nacogdoches	316.742	316.796	0.0535	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.043
Gulf Coast	TX	Nacogdoches	316.796	316.964	0.1687	TX347	Briley loamy fine sand, 1 to 8 percent slopes	0.152
Gulf Coast	TX	Nacogdoches	316.964	317.021	0.0572	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.049
Gulf Coast	TX	Nacogdoches	317.021	317.273	0.2515	TX347	Trawick gravelly fine sandy loam, 8 to 20 percent slopes	0.163
Gulf Coast	TX	Nacogdoches	317.273	317.336	0.0626	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.050
Gulf Coast	TX	Nacogdoches	317.336	317.382	0.0460	TX347	Briley loamy fine sand, 1 to 8 percent slopes	0.041
Gulf Coast	TX	Nacogdoches	317.382	317.476	0.0942	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.085
Gulf Coast	TX	Nacogdoches	317.476	317.588	0.1125	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.090
Gulf Coast	TX	Nacogdoches	317.588	317.705	0.1164	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.105
Gulf Coast	TX	Nacogdoches	317.705	317.784	0.0789	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.063
Gulf Coast	TX	Nacogdoches	317.784	317.963	0.1792	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.143
Gulf Coast	TX	Nacogdoches	317.963	318.012	0.0488	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.044
Gulf Coast	TX	Nacogdoches	318.012	318.056	0.0448	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.036
Gulf Coast	TX	Nacogdoches	318.056	318.634	0.5780	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.520
Gulf Coast	TX	Nacogdoches	318.634	318.713	0.0787	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.063
Gulf Coast	TX	Nacogdoches	318.713	318.859	0.1462	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.132
Gulf Coast	TX	Nacogdoches	318.859	319.065	0.2056	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.164
Gulf Coast	TX	Nacogdoches	319.065	319.092	0.0271	TX347	Bernaldo-Besner complex	0.022
Gulf Coast	TX	Nacogdoches	319.092	319.212	0.1197	TX347	Lilbert loamy fine sand, 1 to 8 percent slopes	0.096
Gulf Coast	TX	Nacogdoches	319.212	319.272	0.0603	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.048
Gulf Coast	TX	Nacogdoches	319.319	319.361	0.0426	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.034
Gulf Coast	TX	Nacogdoches	319.361	319.428	0.0666	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.060

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	TX	Nacogdoches	319.428	319.589	0.1609	TX347	Briley loamy fine sand, 1 to 8 percent slopes	0.145
Gulf Coast	TX	Nacogdoches	319.589	319.710	0.1207	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.109
Gulf Coast	TX	Nacogdoches	319.834	319.957	0.1225	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.110
Gulf Coast	TX	Nacogdoches	319.957	320.099	0.1420	TX347	Darco loamy fine sand, 1 to 8 percent slopes	0.121
Gulf Coast	TX	Nacogdoches	320.099	320.266	0.1676	TX347	Tenaha loamy fine sand, 5 to 20 percent slopes	0.151
Gulf Coast	TX	Nacogdoches	320.266	320.397	0.1312	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.105
Gulf Coast	TX	Nacogdoches	320.397	320.489	0.0912	TX347	Bernaldo-Besner complex	0.073
Gulf Coast	TX	Nacogdoches	320.489	320.600	0.1115	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.089
Gulf Coast	TX	Nacogdoches	320.600	320.681	0.0810	TX347	Briley loamy fine sand, 1 to 8 percent slopes	0.073
Gulf Coast	TX	Nacogdoches	320.681	320.753	0.0719	TX347	Bernaldo-Besner complex	0.058
Gulf Coast	TX	Nacogdoches	320.753	320.874	0.1210	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.097
Gulf Coast	TX	Nacogdoches	320.874	320.967	0.0932	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.061
Gulf Coast	TX	Nacogdoches	320.967	321.487	0.5204	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.442
Gulf Coast	TX	Nacogdoches	321.487	321.502	0.0143	TX347	Hannahatchee loam, frequently flooded	0.011
Gulf Coast	TX	Nacogdoches	321.502	321.572	0.0699	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.059
Gulf Coast	TX	Nacogdoches	321.572	321.735	0.1635	TX347	Hannahatchee loam, frequently flooded	0.123
Gulf Coast	TX	Nacogdoches	321.735	321.786	0.0508	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.041
Gulf Coast	TX	Nacogdoches	321.786	321.866	0.0798	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	0.060
Gulf Coast	TX	Nacogdoches	321.866	321.948	0.0818	TX347	Trawick clay loam, 8 to 20 percent slopes	0.053
Gulf Coast	TX	Nacogdoches	321.948	321.975	0.0274	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.023
Gulf Coast	TX	Nacogdoches	321.975	322.267	0.2923	TX347	Trawick clay loam, 8 to 20 percent slopes	0.190
Gulf Coast	TX	Nacogdoches	322.267	322.544	0.2771	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.236
Gulf Coast	TX	Nacogdoches	322.544	322.867	0.3228	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.291
Gulf Coast	TX	Nacogdoches	322.867	323.139	0.2718	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.231
Gulf Coast	TX	Nacogdoches	323.139	323.254	0.1151	TX347	Kirvin fine sandy loam, 1 to 8 percent slopes	0.086
Gulf Coast	TX	Nacogdoches	323.254	323.270	0.0157	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.010
Gulf Coast	TX	Nacogdoches	323.270	323.625	0.3548	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.302
Gulf Coast	TX	Nacogdoches	323.625	323.774	0.1498	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.097
Gulf Coast	TX	Nacogdoches	323.774	324.004	0.2294	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.195
Gulf Coast	TX	Nacogdoches	324.004	324.162	0.1585	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.103
Gulf Coast	TX	Nacogdoches	324.162	324.628	0.4658	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.396
Gulf Coast	TX	Nacogdoches	324.628	324.792	0.1640	TX347	Trawick clay loam, 8 to 20 percent slopes	0.107
Gulf Coast	TX	Nacogdoches	324.792	324.796	0.0040	TX347	Hannahatchee loam, frequently flooded	0.003
Gulf Coast	TX	Nacogdoches	324.796	324.874	0.0783	TX347	Trawick clay loam, 8 to 20 percent slopes	0.051
Gulf Coast	TX	Nacogdoches	324.874	325.118	0.2437	TX347	Hannahatchee loam, frequently flooded	0.183
Gulf Coast	TX	Nacogdoches	325.118	325.155	0.0374	TX347	Trawick clay loam, 8 to 20 percent slopes	0.024
Gulf Coast	TX	Nacogdoches	325.155	325.401	0.2452	TX347	Hannahatchee loam, frequently flooded	0.184
Gulf Coast	TX	Nacogdoches	325.401	325.552	0.1509	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.098
Gulf Coast	TX	Nacogdoches	325.552	325.669	0.1178	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.100
Gulf Coast	TX	Nacogdoches	325.669	325.779	0.1097	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.071
Gulf Coast	TX	Nacogdoches	325.779	325.827	0.0475	TX347	Hannahatchee loam, frequently flooded	0.036
Gulf Coast	TX	Nacogdoches	325.827	325.960	0.1331	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.087
Gulf Coast	TX	Nacogdoches	325.960	326.293	0.3332	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.267
Gulf Coast	TX	Nacogdoches	326.293	326.426	0.1332	TX347	Mollville loam	0.126
Gulf Coast	TX	Nacogdoches	326.426	326.650	0.2244	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.179
Gulf Coast	TX	Nacogdoches	326.650	326.937	0.2868	TX347	Mollville loam	0.272
Gulf Coast	TX	Nacogdoches	326.937	327.508	0.5709	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.457
Gulf Coast	TX	Nacogdoches	327.585	327.620	0.0355	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.028
Gulf Coast	TX	Nacogdoches	327.620	328.180	0.5598	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.504
Gulf Coast	TX	Nacogdoches	328.180	328.558	0.3783	TX347	Alto clay loam, 0 to 1 percent slopes	0.340
Gulf Coast	TX	Nacogdoches	328.558	328.725	0.1669	TX347	Nacogdoches gravelly fine sandy loam, 1 to 8 percent slopes	0.142
Gulf Coast	TX	Nacogdoches	328.725	328.806	0.0812	TX347	Nacogdoches clay loam, 2 to 5 percent slopes, eroded	0.069
Gulf Coast	TX	Nacogdoches	328.806	328.854	0.0479	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.038
Gulf Coast	TX	Nacogdoches	328.854	328.877	0.0230	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.021
Gulf Coast	TX	Nacogdoches	328.899	329.225	0.3260	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.277
Gulf Coast	TX	Nacogdoches	329.225	329.356	0.1309	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.118
Gulf Coast	TX	Nacogdoches	329.356	329.512	0.1560	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.133
Gulf Coast	TX	Nacogdoches	329.512	329.658	0.1455	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.116
Gulf Coast	TX	Nacogdoches	329.658	329.738	0.0806	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.052
Gulf Coast	TX	Nacogdoches	329.738	329.959	0.2210	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.188
Gulf Coast	TX	Nacogdoches	329.959	330.065	0.1054	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.069
Gulf Coast	TX	Nacogdoches	330.065	330.109	0.0441	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.037
Gulf Coast	TX	Nacogdoches	330.109	330.162	0.0538	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.035
Gulf Coast	TX	Nacogdoches	330.162	330.231	0.0687	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.062
Gulf Coast	TX	Nacogdoches	330.231	330.388	0.1567	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.133
Gulf Coast	TX	Nacogdoches	330.388	330.449	0.0614	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.040
Gulf Coast	TX	Nacogdoches	330.449	330.517	0.0677	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.061
Gulf Coast	TX	Nacogdoches	330.517	330.553	0.0358	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.023
Gulf Coast	TX	Nacogdoches	330.553	330.756	0.2032	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.183
Gulf Coast	TX	Nacogdoches	330.756	330.756	0.0004	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.000
Gulf Coast	TX	Nacogdoches	330.756	330.844	0.0879	TX347	Nacogdoches gravelly fine sandy loam, 1 to 8 percent slopes	0.075
Gulf Coast	TX	Nacogdoches	330.844	331.067	0.2228	TX347	Alto fine sandy loam, 0 to 4 percent slopes	0.201
Gulf Coast	TX	Nacogdoches	331.067	331.213	0.1459	TX347	Briley loamy fine sand, 1 to 8 percent slopes	0.131

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	TX	Nacogdoches	331.213	331.538	0.3254	TX347	Trawick clay loam, 8 to 20 percent slopes	0.212
Gulf Coast	TX	Nacogdoches	331.538	332.002	0.4632	TX347	Nacogdoches fine sandy loam, 1 to 8 percent slopes	0.394
Gulf Coast	TX	Nacogdoches	332.002	332.083	0.0817	TX347	Bernaldo-Besner complex	0.065
Gulf Coast	TX	Nacogdoches	332.083	332.188	0.1043	TX347	Attoyac fine sandy loam, 8 to 15 percent slopes	0.089
Gulf Coast	TX	Nacogdoches	332.188	332.335	0.1478	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.118
Gulf Coast	TX	Nacogdoches	332.335	332.707	0.3717	TX347	Bernaldo-Besner complex	0.297
Gulf Coast	TX	Nacogdoches	332.707	332.872	0.1649	TX347	Cuthbert fine sandy loam, 8 to 20 percent slopes	0.132
Gulf Coast	TX	Nacogdoches	332.872	332.976	0.1038	TX347	Attoyac fine sandy loam, 0 to 4 percent slopes	0.083
Gulf Coast	TX	Nacogdoches	332.976	333.218	0.2418	TX347	Trawick fine sandy loam, 8 to 20 percent slopes	0.157
Gulf Coast	TX	Nacogdoches	333.218	333.267	0.0494	TX347	Mantachie soils, frequently flooded	0.042
Gulf Coast	TX	Cherokee	334.159	334.232	0.0733	TX073	Mantachie clay loam	0.070
Gulf Coast	TX	Cherokee	334.395	334.416	0.0203	TX073	Mantachie clay loam	0.019
Gulf Coast	TX	Cherokee	334.437	334.509	0.0718	TX073	Mantachie clay loam	0.068
Gulf Coast	TX	Cherokee	334.738	335.226	0.4881	TX073	Marietta clay loam	0.415
Gulf Coast	TX	Cherokee	335.226	335.502	0.2755	TX073	Mantachie clay loam	0.262
Gulf Coast	TX	Cherokee	335.502	335.717	0.2152	TX073	Marietta clay loam	0.183
Gulf Coast	TX	Cherokee	335.717	336.413	0.6963	TX073	Mantachie clay loam	0.661
Gulf Coast	TX	Cherokee	336.413	336.443	0.0296	TX073	Cuthbert fine sandy loam, strongly sloping	0.025
Gulf Coast	TX	Cherokee	336.454	336.506	0.0528	TX073	Sacul fine sandy loam, strongly sloping	0.053
Gulf Coast	TX	Cherokee	336.506	336.543	0.0366	TX073	Bowie fine sandy loam, sloping	0.037
Gulf Coast	TX	Cherokee	336.543	336.776	0.2329	TX073	Ruston fine sandy loam, sloping	0.233
Gulf Coast	TX	Cherokee	336.776	336.956	0.1801	TX073	Cuthbert fine sandy loam, strongly sloping	0.153
Gulf Coast	TX	Cherokee	336.956	337.007	0.0509	TX073	Ruston fine sandy loam, sloping	0.051
Gulf Coast	TX	Cherokee	337.007	337.265	0.2580	TX073	Nacogdoches fine sandy loam, sloping	0.258
Gulf Coast	TX	Cherokee	337.265	337.393	0.1286	TX073	Elrose fine sandy loam, sloping	0.129
Gulf Coast	TX	Cherokee	337.393	337.566	0.1721	TX073	Elrose fine sandy loam, strongly sloping	0.172
Gulf Coast	TX	Cherokee	337.737	337.816	0.0795	TX073	Trawick fine sandy loam, strongly sloping	0.079
Gulf Coast	TX	Cherokee	337.816	338.063	0.2467	TX073	Nacogdoches fine sandy loam, gently sloping	0.247
Gulf Coast	TX	Cherokee	338.063	338.146	0.0827	TX073	Percilla soils	0.079
Gulf Coast	TX	Cherokee	338.146	338.400	0.2546	TX073	LaCerda clay, nearly level	0.255
Gulf Coast	TX	Cherokee	338.400	338.532	0.1318	TX073	Woodtell fine sandy loam, sloping	0.132
Gulf Coast	TX	Cherokee	338.532	338.541	0.0090	TX073	Sacul fine sandy loam, strongly sloping	0.009
Gulf Coast	TX	Cherokee	338.541	338.546	0.0043	TX073	Woodtell fine sandy loam, sloping	0.004
Gulf Coast	TX	Cherokee	338.546	338.548	0.0024	TX073	LaCerda clay, nearly level	0.002
Gulf Coast	TX	Cherokee	338.548	338.873	0.3254	TX073	LaCerda clay loam, gently sloping	0.325
Gulf Coast	TX	Cherokee	338.873	339.006	0.1327	TX073	LaCerda clay, nearly level	0.133
Gulf Coast	TX	Cherokee	339.006	339.010	0.0036	TX073	LaCerda clay loam, gently sloping	0.004
Gulf Coast	TX	Cherokee	339.010	339.019	0.0089	TX073	Sacul fine sandy loam, strongly sloping	0.009
Gulf Coast	TX	Cherokee	339.019	339.070	0.0517	TX073	LaCerda clay loam, gently sloping	0.052
Gulf Coast	TX	Cherokee	339.070	339.090	0.0196	TX073	Woodtell fine sandy loam, gently sloping	0.020
Gulf Coast	TX	Cherokee	339.090	339.442	0.3527	TX073	Woodtell fine sandy loam, sloping	0.353
Gulf Coast	TX	Cherokee	339.442	339.516	0.0737	TX073	Woodtell fine sandy loam, gently sloping	0.074
Gulf Coast	TX	Cherokee	339.516	339.676	0.1602	TX073	Sacul fine sandy loam, gently sloping	0.160
Gulf Coast	TX	Cherokee	339.676	339.739	0.0623	TX073	Woodtell fine sandy loam, sloping	0.062
Gulf Coast	TX	Cherokee	339.739	339.803	0.0645	TX073	Woodtell fine sandy loam, gently sloping	0.064
Gulf Coast	TX	Cherokee	339.803	339.916	0.1131	TX073	Percilla soils	0.107
Gulf Coast	TX	Cherokee	339.916	339.957	0.0410	TX073	Nacogdoches fine sandy loam, sloping, eroded	0.041
Gulf Coast	TX	Cherokee	339.957	340.004	0.0469	TX073	Elrose fine sandy loam, gently sloping	0.047
Gulf Coast	TX	Angelina	340.004	340.960	0.9555	TX005	Woodtell very fine sandy loam, 1 to 5 percent slopes	0.955
Gulf Coast	TX	Angelina	340.960	341.243	0.2831	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.249
Gulf Coast	TX	Angelina	341.243	341.313	0.0707	TX005	Keithville-Sawtown complex, gently undulating	0.064
Gulf Coast	TX	Angelina	341.371	341.606	0.2349	TX005	Keithville-Sawtown complex, gently undulating	0.211
Gulf Coast	TX	Angelina	341.778	342.027	0.2486	TX005	Woodtell very fine sandy loam, 1 to 5 percent slopes	0.249
Gulf Coast	TX	Angelina	342.027	342.124	0.0977	TX005	Millboro-Boro silty clays, 6 to 9 percent slopes, PA2	0.098
Gulf Coast	TX	Angelina	342.124	342.214	0.0900	TX005	Woodtell very fine sandy loam, 1 to 5 percent slopes	0.090
Gulf Coast	TX	Angelina	342.214	342.306	0.0915	TX005	Millboro-Boro silty clays, 6 to 9 percent slopes, PA2	0.091
Gulf Coast	TX	Angelina	342.306	342.428	0.1228	TX005	Woodtell very fine sandy loam, 1 to 5 percent slopes	0.123
Gulf Coast	TX	Angelina	342.428	342.523	0.0946	TX005	Millboro-Boro silty clays, 6 to 9 percent slopes, PA2	0.095
Gulf Coast	TX	Angelina	342.523	342.552	0.0290	TX005	Kirvin fine sandy loam, 1 to 5 percent slopes	0.023
Gulf Coast	TX	Angelina	342.552	342.846	0.2938	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.235
Gulf Coast	TX	Angelina	342.846	343.396	0.5500	TX005	Kirvin fine sandy loam, 1 to 5 percent slopes	0.440
Gulf Coast	TX	Angelina	343.396	343.568	0.1722	TX005	Keithville-Sawtown complex, gently undulating	0.155
Gulf Coast	TX	Angelina	343.568	343.606	0.0379	TX005	Kirvin fine sandy loam, 1 to 5 percent slopes	0.030
Gulf Coast	TX	Angelina	343.606	343.708	0.1023	TX005	Keithville-Sawtown complex, gently undulating	0.092
Gulf Coast	TX	Angelina	343.708	343.772	0.0635	TX005	Kirvin fine sandy loam, 1 to 5 percent slopes	0.051
Gulf Coast	TX	Angelina	343.772	344.044	0.2722	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.218
Gulf Coast	TX	Angelina	344.256	344.298	0.0421	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.034
Gulf Coast	TX	Angelina	344.298	344.494	0.1959	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.172
Gulf Coast	TX	Angelina	344.494	344.549	0.0552	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.044
Gulf Coast	TX	Angelina	344.668	344.780	0.1122	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.090
Gulf Coast	TX	Angelina	344.780	344.948	0.1686	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.148
Gulf Coast	TX	Angelina	344.948	345.319	0.3703	TX005	Keithville-Sawtown complex, gently undulating	0.333
Gulf Coast	TX	Angelina	345.319	345.416	0.0969	TX005	Kirvin fine sandy loam, 1 to 5 percent slopes	0.078

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	TX	Angelina	345.416	345.553	0.1371	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.110
Gulf Coast	TX	Angelina	345.553	345.614	0.0609	TX005	Kirvin fine sandy loam, 1 to 5 percent slopes	0.049
Gulf Coast	TX	Angelina	345.614	345.774	0.1606	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.129
Gulf Coast	TX	Angelina	345.774	345.895	0.1203	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.106
Gulf Coast	TX	Angelina	345.895	346.064	0.1697	TX005	Keithville-Sawtown complex, gently undulating	0.153
Gulf Coast	TX	Angelina	346.064	346.177	0.1123	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.099
Gulf Coast	TX	Angelina	346.177	346.330	0.1529	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.122
Gulf Coast	TX	Angelina	346.330	346.463	0.1338	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.118
Gulf Coast	TX	Angelina	346.463	346.544	0.0810	TX005	Attoyac fine sandy loam, 0 to 4 percent slopes	0.081
Gulf Coast	TX	Angelina	346.544	346.673	0.1290	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.103
Gulf Coast	TX	Angelina	346.673	346.762	0.0888	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.078
Gulf Coast	TX	Angelina	346.762	346.840	0.0778	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.062
Gulf Coast	TX	Angelina	346.840	347.328	0.4879	TX005	Ozias silty clay, frequently flooded	0.390
Gulf Coast	TX	Angelina	347.328	348.043	0.7150	TX005	Mollville-Besner complex, gently undulating	0.643
Gulf Coast	TX	Angelina	348.043	348.403	0.3606	TX005	Ozias silty clay, frequently flooded	0.288
Gulf Coast	TX	Angelina	348.403	348.468	0.0650	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.052
Gulf Coast	TX	Angelina	348.468	348.596	0.1279	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.113
Gulf Coast	TX	Angelina	348.596	348.727	0.1303	TX005	Attoyac fine sandy loam, 8 to 15 percent slopes	0.111
Gulf Coast	TX	Angelina	348.727	349.073	0.3465	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.305
Gulf Coast	TX	Angelina	349.073	349.437	0.3640	TX005	Cuthbert fine sandy loam, 5 to 15 percent slopes	0.291
Gulf Coast	TX	Angelina	349.437	349.594	0.1572	TX005	Bernaldo fine sandy loam, 0 to 3 percent slopes	0.138
Gulf Coast	TX	Angelina	349.594	349.709	0.1148	TX005	Darco loamy fine sandy, 1 to 8 percent slopes	0.115
Gulf Coast	TX	Angelina	349.709	349.784	0.0750	TX005	Attoyac fine sandy loam, 8 to 15 percent slopes	0.064
Gulf Coast	TX	Angelina	349.784	349.902	0.1184	TX005	Darco loamy fine sandy, 1 to 8 percent slopes	0.118
Gulf Coast	TX	Angelina	349.902	350.021	0.1183	TX005	Attoyac fine sandy loam, 8 to 15 percent slopes	0.101
Gulf Coast	TX	Angelina	350.021	350.186	0.1656	TX005	Koury loam, frequently flooded	0.149
Gulf Coast	TX	Angelina	350.186	350.550	0.3633	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.363
Gulf Coast	TX	Angelina	350.550	350.680	0.1307	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.105
Gulf Coast	TX	Angelina	350.680	350.789	0.1085	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.109
Gulf Coast	TX	Angelina	350.789	350.946	0.1571	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.126
Gulf Coast	TX	Angelina	350.946	351.078	0.1325	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.133
Gulf Coast	TX	Angelina	351.078	351.190	0.1112	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	0.083
Gulf Coast	TX	Angelina	351.190	351.625	0.4352	TX005	Ozias silty clay, frequently flooded	0.348
Gulf Coast	TX	Angelina	351.625	351.670	0.0451	TX005	Koury loam, frequently flooded	0.041
Gulf Coast	TX	Angelina	351.670	351.686	0.0156	TX005	Ozias silty clay, frequently flooded	0.012
Gulf Coast	TX	Angelina	351.686	351.718	0.0322	TX005	Koury loam, frequently flooded	0.029
Gulf Coast	TX	Angelina	351.718	351.760	0.0421	TX005	Ozias silty clay, frequently flooded	0.034
Gulf Coast	TX	Angelina	351.760	352.053	0.2931	TX005	Koury loam, frequently flooded	0.264
Gulf Coast	TX	Angelina	352.146	352.356	0.2099	TX005	Koury loam, frequently flooded	0.189
Gulf Coast	TX	Angelina	352.356	352.483	0.1266	TX005	Ozias silty clay, frequently flooded	0.101
Gulf Coast	TX	Angelina	352.483	352.534	0.0510	TX005	Koury loam, occasionally flooded	0.043
Gulf Coast	TX	Angelina	352.534	352.994	0.4607	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.461
Gulf Coast	TX	Angelina	352.994	353.120	0.1260	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.101
Gulf Coast	TX	Angelina	353.120	353.276	0.1553	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.155
Gulf Coast	TX	Angelina	353.276	353.456	0.1801	TX005	Herty very fine sandy loam, 1 to 5 percent slopes	0.153
Gulf Coast	TX	Angelina	353.456	353.949	0.4932	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.419
Gulf Coast	TX	Angelina	353.949	354.400	0.4512	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.451
Gulf Coast	TX	Angelina	354.400	354.527	0.1267	TX005	Koury loam, occasionally flooded	0.108
Gulf Coast	TX	Angelina	354.527	354.550	0.0235	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.020
Gulf Coast	TX	Angelina	354.550	354.646	0.0954	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.095
Gulf Coast	TX	Angelina	354.646	354.856	0.2104	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.168
Gulf Coast	TX	Angelina	354.856	354.992	0.1354	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.115
Gulf Coast	TX	Angelina	354.992	355.182	0.1904	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.152
Gulf Coast	TX	Angelina	355.182	355.365	0.1826	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.155
Gulf Coast	TX	Angelina	355.365	355.440	0.0756	TX005	Keltys fine sandy loam, 5 to 15 percent slopes	0.072
Gulf Coast	TX	Angelina	355.440	355.498	0.0575	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.049
Gulf Coast	TX	Angelina	355.498	355.529	0.0313	TX005	Keltys fine sandy loam, 5 to 15 percent slopes	0.030
Gulf Coast	TX	Angelina	355.529	355.656	0.1266	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.108
Gulf Coast	TX	Angelina	355.656	355.778	0.1228	TX005	Keltys fine sandy loam, 5 to 15 percent slopes	0.117
Gulf Coast	TX	Angelina	355.778	356.173	0.3948	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.316
Gulf Coast	TX	Angelina	356.173	356.226	0.0525	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.052
Gulf Coast	TX	Angelina	356.226	356.304	0.0787	TX005	Alazan very fine sandy loam, 0 to 4 percent slopes	0.063
Gulf Coast	TX	Angelina	356.304	356.462	0.1572	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.126
Gulf Coast	TX	Angelina	356.462	356.499	0.0370	TX005	Rosenwall fine sandy loam, 1 to 5 percent slopes	0.037
Gulf Coast	TX	Angelina	356.499	356.677	0.1782	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.151
Gulf Coast	TX	Angelina	356.677	356.711	0.0341	TX005	Keltys fine sandy loam, 5 to 15 percent slopes	0.032
Gulf Coast	TX	Angelina	356.711	356.924	0.2127	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.213
Gulf Coast	TX	Angelina	356.924	357.053	0.1298	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	0.097
Gulf Coast	TX	Angelina	357.053	357.112	0.0587	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.059
Gulf Coast	TX	Angelina	357.112	357.181	0.0690	TX005	Rosenwall fine sandy loam, 1 to 5 percent slopes	0.069
Gulf Coast	TX	Angelina	357.181	357.283	0.1018	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.102
Gulf Coast	TX	Angelina	357.283	357.418	0.1355	TX005	Rosenwall fine sandy loam, 1 to 5 percent slopes	0.136
Gulf Coast	TX	Angelina	357.418	357.553	0.1349	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.108

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	TX	Angelina	357.553	357.618	0.0641	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.064
Gulf Coast	TX	Angelina	357.618	357.684	0.0669	TX005	Keltys fine sandy loam, 5 to 15 percent slopes	0.064
Gulf Coast	TX	Angelina	357.684	358.010	0.3252	TX005	Kurth fine sandy loam, 0 to 4 percent slopes	0.260
Gulf Coast	TX	Angelina	358.010	358.060	0.0499	TX005	Koury loam, frequently flooded	0.045
Gulf Coast	TX	Angelina	358.060	358.089	0.0291	TX005	Rosenwall fine sandy loam, 5 to 15 percent slopes	0.029
Gulf Coast	TX	Angelina	358.089	358.717	0.6288	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.534
Gulf Coast	TX	Angelina	358.717	358.760	0.0429	TX005	Moswell loam, 5 to 15 percent slopes	0.043
Gulf Coast	TX	Angelina	358.760	358.960	0.1992	TX005	Darco loamy fine sandy, 1 to 8 percent slopes	0.199
Gulf Coast	TX	Angelina	358.960	359.068	0.1089	TX005	Moswell loam, 5 to 15 percent slopes	0.109
Gulf Coast	TX	Angelina	359.068	359.282	0.2137	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.182
Gulf Coast	TX	Angelina	359.282	359.362	0.0797	TX005	Moten-Mutley complex, gently undulating	0.072
Gulf Coast	TX	Angelina	359.362	360.318	0.9565	TX005	Ozias silty clay, frequently flooded	0.765
Gulf Coast	TX	Angelina	360.318	360.391	0.0727	TX005	Attoyac fine sandy loam, 8 to 15 percent slopes	0.062
Gulf Coast	TX	Angelina	360.391	361.219	0.8277	TX005	Moten-Mutley complex, gently undulating	0.745
Gulf Coast	TX	Angelina	361.219	361.378	0.1590	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	0.119
Gulf Coast	TX	Angelina	361.378	361.738	0.3603	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.306
Gulf Coast	TX	Angelina	361.738	361.873	0.1347	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	0.101
Gulf Coast	TX	Angelina	361.873	362.565	0.6923	TX005	Fuller fine sandy loam, 1 to 4 percent slopes	0.588
Gulf Coast	TX	Angelina	362.565	363.130	0.5651	TX005	Moten-Mutley complex, gently undulating	0.509
Gulf Coast	TX	Angelina	363.130	363.395	0.2649	TX005	Koury loam, frequently flooded	0.238
Gulf Coast	TX	Angelina	363.534	363.830	0.2957	TX005	Moten-Mutley complex, gently undulating	0.266
Gulf Coast	TX	Angelina	363.830	363.860	0.0306	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	0.023
Gulf Coast	TX	Angelina	363.860	364.372	0.5117	TX005	Moten-Mutley complex, gently undulating	0.460
Gulf Coast	TX	Angelina	364.372	364.547	0.1752	TX005	Keltys fine sandy loam, 1 to 5 percent slopes	0.131
Gulf Coast	TX	Angelina	364.547	364.961	0.4140	TX005	Alazan very fine sandy loam, 0 to 4 percent slopes	0.331
Gulf Coast	TX	Angelina	364.961	365.394	0.4326	TX005	Ozias silty clay, frequently flooded	0.346
Gulf Coast	TX	Angelina	365.394	365.485	0.0916	TX005	Koury loam, frequently flooded	0.082
Gulf Coast	TX	Angelina	365.485	365.648	0.1624	TX005	Moten-Mutley complex, gently undulating	0.146
Gulf Coast	TX	Angelina	365.648	365.724	0.0766	TX005	Ozias silty clay, frequently flooded	0.061
Gulf Coast	TX	Angelina	365.724	366.424	0.6999	TX005	Moten-Mutley complex, gently undulating	0.630
Gulf Coast	TX	Angelina	366.424	366.500	0.0758	TX005	Mollville-Besner complex, gently undulating	0.068
Gulf Coast	TX	Angelina	366.500	366.684	0.1837	TX005	Koury loam, frequently flooded	0.165
Gulf Coast	TX	Angelina	366.684	367.314	0.6300	TX005	Ozias silty clay, frequently flooded	0.504
Gulf Coast	TX	Polk	367.314	368.540	1.2263	TX617	Ozias-Pophers complex, frequently flooded	1.042
Gulf Coast	TX	Polk	368.540	368.929	0.3885	TX617	Pophers silty clay loam, frequently flooded	0.330
Gulf Coast	TX	Polk	368.929	369.199	0.2703	TX617	Ozias-Pophers complex, frequently flooded	0.230
Gulf Coast	TX	Polk	369.199	369.468	0.2696	TX617	Pophers silty clay loam, frequently flooded	0.229
Gulf Coast	TX	Polk	369.468	369.921	0.4525	TX617	Moswell fine sandy loam, 5 to 12 percent slopes	0.362
Gulf Coast	TX	Polk	369.921	370.120	0.1994	TX617	Moswell fine sandy loam, 1 to 5 percent slopes	0.160
Gulf Coast	TX	Polk	370.120	370.749	0.6286	TX617	Moswell fine sandy loam, 5 to 12 percent slopes	0.503
Gulf Coast	TX	Polk	370.749	371.434	0.6855	TX617	Kellison silt loam, 3 to 5 percent slopes	0.480
Gulf Coast	TX	Polk	371.434	371.722	0.2878	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	0.216
Gulf Coast	TX	Polk	371.722	371.926	0.2040	TX617	Colita variant-Kitterll complex, 1 to 8 percent slopes	0.102
Gulf Coast	TX	Polk	371.926	372.089	0.1627	TX617	Moswell fine sandy loam, 5 to 12 percent slopes	0.130
Gulf Coast	TX	Polk	372.089	372.517	0.4277	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	0.321
Gulf Coast	TX	Polk	372.517	372.634	0.1172	TX617	Kian and Mantachie soils, frequently flooded	0.088
Gulf Coast	TX	Polk	372.634	373.006	0.3717	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	0.279
Gulf Coast	TX	Polk	373.006	373.098	0.0928	TX617	Kian and Mantachie soils, frequently flooded	0.070
Gulf Coast	TX	Polk	373.098	373.276	0.1778	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	0.133
Gulf Coast	TX	Polk	373.276	373.522	0.2454	TX617	Kian and Mantachie soils, frequently flooded	0.184
Gulf Coast	TX	Polk	373.522	373.896	0.3749	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	0.281
Gulf Coast	TX	Polk	373.896	374.311	0.4150	TX617	Kian and Mantachie soils, frequently flooded	0.311
Gulf Coast	TX	Polk	374.311	374.353	0.0418	TX617	Moswell fine sandy loam, 5 to 12 percent slopes	0.033
Gulf Coast	TX	Polk	374.353	374.812	0.4592	TX617	Boykin loamy fine sand, 1 to 5 percent slopes	0.413
Gulf Coast	TX	Polk	374.812	375.548	0.7355	TX617	Kian and Mantachie soils, frequently flooded	0.552
Gulf Coast	TX	Polk	375.548	376.734	1.1857	TX617	Diboll-Keltys complex, 1 to 5 percent slopes	0.889
Gulf Coast	TX	Polk	376.734	377.163	0.4291	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.172
Gulf Coast	TX	Polk	377.163	377.229	0.0661	TX617	Colita variant-Kitterll complex, 1 to 8 percent slopes	0.033
Gulf Coast	TX	Polk	377.229	377.262	0.0336	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.013
Gulf Coast	TX	Polk	377.262	377.413	0.1506	TX617	Colita variant-Kitterll complex, 1 to 8 percent slopes	0.075
Gulf Coast	TX	Polk	377.413	377.563	0.1504	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.060
Gulf Coast	TX	Polk	377.563	377.657	0.0940	TX617	Colita variant-Kitterll complex, 1 to 8 percent slopes	0.047
Gulf Coast	TX	Polk	377.657	377.941	0.2836	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.113
Gulf Coast	TX	Polk	378.186	378.339	0.1525	TX617	Colita variant-Kitterll complex, 1 to 8 percent slopes	0.076
Gulf Coast	TX	Polk	378.339	378.392	0.0536	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.021
Gulf Coast	TX	Polk	378.392	378.515	0.1223	TX617	Colita variant-Kitterll complex, 1 to 8 percent slopes	0.061
Gulf Coast	TX	Polk	378.515	378.869	0.3538	TX617	Rayburn fine sandy loam, 5 to 15 percent slopes	0.283
Gulf Coast	TX	Polk	378.869	379.109	0.2403	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.096
Gulf Coast	TX	Polk	379.338	379.448	0.1104	TX617	Kian and Mantachie soils, frequently flooded	0.083
Gulf Coast	TX	Polk	379.448	379.546	0.0980	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.039
Gulf Coast	TX	Polk	379.546	379.715	0.1689	TX617	Colita variant-Kitterll complex, 1 to 8 percent slopes	0.084
Gulf Coast	TX	Polk	379.715	379.977	0.2622	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.105
Gulf Coast	TX	Polk	379.977	380.175	0.1982	TX617	Kian and Mantachie soils, frequently flooded	0.149

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	TX	Polk	380.175	380.300	0.1251	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.050
Gulf Coast	TX	Polk	380.300	380.461	0.1603	TX617	Kian and Mantachie soils, frequently flooded	0.120
Gulf Coast	TX	Polk	380.461	380.863	0.4020	TX617	Rayburn fine sandy loam, 5 to 15 percent slopes	0.322
Gulf Coast	TX	Polk	380.863	381.921	1.0587	TX617	Colita-Laska complex, 1 to 5 percent slopes	0.423
Gulf Coast	TX	Polk	381.921	382.085	0.1638	TX617	Kian and Mantachie soils, frequently flooded	0.123
Gulf Coast	TX	Polk	382.085	382.428	0.3432	TX617	Wiergate clay, 5 to 8 percent slopes	0.292
Gulf Coast	TX	Polk	382.428	382.535	0.1063	TX617	Woodville fine sandy loam, 5 to 12 percent slopes	0.085
Gulf Coast	TX	Polk	382.535	382.673	0.1387	TX617	Wiergate clay, 5 to 8 percent slopes	0.118
Gulf Coast	TX	Polk	382.673	383.204	0.5307	TX617	Woodville fine sandy loam, 5 to 12 percent slopes	0.425
Gulf Coast	TX	Polk	383.204	383.512	0.3081	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.246
Gulf Coast	TX	Polk	383.512	383.866	0.3544	TX617	Woodville fine sandy loam, 5 to 12 percent slopes	0.283
Gulf Coast	TX	Polk	383.866	384.535	0.6689	TX617	Stringtown-Bonwier association, strongly sloping	0.468
Gulf Coast	TX	Polk	384.535	386.844	2.3085	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	1.847
Gulf Coast	TX	Polk	386.844	387.142	0.2982	TX617	Stringtown-Bonwier association, strongly sloping	0.209
Gulf Coast	TX	Polk	387.142	387.311	0.1692	TX617	Pluck and Kian soils, frequently flooded	0.127
Gulf Coast	TX	Polk	387.311	387.644	0.3326	TX617	Woodville fine sandy loam, 5 to 12 percent slopes	0.266
Gulf Coast	TX	Polk	387.644	387.835	0.1914	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.153
Gulf Coast	TX	Polk	387.835	388.363	0.5277	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.475
Gulf Coast	TX	Polk	388.363	388.501	0.1378	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.110
Gulf Coast	TX	Polk	388.501	388.618	0.1168	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.093
Gulf Coast	TX	Polk	388.618	388.659	0.0419	TX617	Woodville fine sandy loam, 5 to 12 percent slopes	0.033
Gulf Coast	TX	Polk	388.659	388.819	0.1596	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.128
Gulf Coast	TX	Polk	388.819	389.009	0.1901	TX617	Stringtown-Bonwier association, strongly sloping	0.133
Gulf Coast	TX	Polk	389.009	389.191	0.1817	TX617	Leggett fine sandy loam, 0 to 3 percent slopes	0.173
Gulf Coast	TX	Polk	389.191	389.383	0.1918	TX617	Pluck and Kian soils, frequently flooded	0.144
Gulf Coast	TX	Polk	389.383	389.563	0.1804	TX617	Leggett fine sandy loam, 0 to 3 percent slopes	0.171
Gulf Coast	TX	Polk	389.563	389.635	0.0724	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.058
Gulf Coast	TX	Polk	389.635	390.006	0.3706	TX617	Leggett fine sandy loam, 0 to 3 percent slopes	0.352
Gulf Coast	TX	Polk	390.006	390.427	0.4213	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.337
Gulf Coast	TX	Polk	390.427	390.561	0.1332	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.107
Gulf Coast	TX	Polk	390.734	391.086	0.3521	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.282
Gulf Coast	TX	Polk	391.086	391.123	0.0376	TX617	Wiergate clay, 1 to 5 percent slopes	0.032
Gulf Coast	TX	Polk	391.123	391.223	0.1001	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.080
Gulf Coast	TX	Polk	391.223	391.273	0.0492	TX617	Wiergate clay, 1 to 5 percent slopes	0.042
Gulf Coast	TX	Polk	391.273	391.417	0.1441	TX617	Leggett fine sandy loam, 0 to 3 percent slopes	0.137
Gulf Coast	TX	Polk	391.417	391.495	0.0780	TX617	Wiergate clay, 1 to 5 percent slopes	0.066
Gulf Coast	TX	Polk	391.495	391.790	0.2954	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.236
Gulf Coast	TX	Polk	391.790	391.790	0.0001	TX617	Leggett fine sandy loam, 0 to 3 percent slopes	0.000
Gulf Coast	TX	Polk	391.790	391.848	0.0581	TX617	Stringtown-Bonwier association, strongly sloping	0.041
Gulf Coast	TX	Polk	391.848	391.888	0.0399	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.032
Gulf Coast	TX	Polk	391.888	392.090	0.2014	TX617	Stringtown-Bonwier association, strongly sloping	0.141
Gulf Coast	TX	Polk	392.090	392.173	0.0830	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.066
Gulf Coast	TX	Polk	392.173	392.378	0.2052	TX617	Pinetucky and Conroe soils, graded	0.154
Gulf Coast	TX	Polk	392.378	393.190	0.8117	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.649
Gulf Coast	TX	Polk	393.190	393.290	0.1003	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.090
Gulf Coast	TX	Polk	393.290	393.434	0.1444	TX617	Stringtown-Bonwier association, strongly sloping	0.101
Gulf Coast	TX	Polk	393.434	393.585	0.1504	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.135
Gulf Coast	TX	Polk	393.585	393.736	0.1511	TX617	Stringtown-Bonwier association, strongly sloping	0.106
Gulf Coast	TX	Polk	393.736	394.547	0.8108	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.649
Gulf Coast	TX	Polk	394.547	394.601	0.0541	TX617	Stringtown-Bonwier association, strongly sloping	0.038
Gulf Coast	TX	Polk	394.601	394.909	0.3079	TX617	Pluck and Kian soils, frequently flooded	0.231
Gulf Coast	TX	Polk	394.909	394.995	0.0865	TX617	Bienville loamy fine sand, 0 to 3 percent slopes	0.009
Gulf Coast	TX	Polk	394.995	395.052	0.0565	TX617	Pluck and Kian soils, frequently flooded	0.042
Gulf Coast	TX	Polk	395.052	395.617	0.5651	TX617	Bienville loamy fine sand, 0 to 3 percent slopes	0.057
Gulf Coast	TX	Polk	395.617	395.973	0.3561	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.285
Gulf Coast	TX	Polk	395.973	396.088	0.1153	TX617	Wiergate clay, 1 to 5 percent slopes	0.098
Gulf Coast	TX	Polk	396.088	396.391	0.3027	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.242
Gulf Coast	TX	Polk	396.391	396.978	0.5868	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.469
Gulf Coast	TX	Polk	396.978	397.186	0.2085	TX617	Wiergate clay, 1 to 5 percent slopes	0.177
Gulf Coast	TX	Polk	397.186	397.335	0.1487	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.119
Gulf Coast	TX	Polk	397.335	397.555	0.2207	TX617	Woodville fine sandy loam, 5 to 12 percent slopes	0.177
Gulf Coast	TX	Polk	397.555	397.880	0.3243	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.259
Gulf Coast	TX	Polk	397.880	397.955	0.0753	TX617	Choates loamy fine sand, 1 to 5 percent slopes	0.056
Gulf Coast	TX	Polk	397.955	398.069	0.1141	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.091
Gulf Coast	TX	Polk	398.069	398.220	0.1511	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.136
Gulf Coast	TX	Polk	398.220	398.582	0.3620	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.290
Gulf Coast	TX	Polk	398.582	398.649	0.0671	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.060
Gulf Coast	TX	Polk	398.649	398.757	0.1072	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.086
Gulf Coast	TX	Polk	398.757	398.850	0.0933	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.084
Gulf Coast	TX	Polk	398.850	399.124	0.2742	TX617	Woodville fine sandy loam, 1 to 5 percent slopes	0.219
Gulf Coast	TX	Polk	399.124	399.907	0.7825	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.626
Gulf Coast	TX	Polk	399.907	400.183	0.2768	TX617	Bienville loamy fine sand, 0 to 3 percent slopes	0.028
Gulf Coast	TX	Polk	400.183	400.509	0.3260	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.261

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	TX	Polk	400.509	401.423	0.9133	TX617	Stringtown-Bonwier association, strongly sloping	0.639
Gulf Coast	TX	Polk	401.423	402.050	0.6276	TX617	Pluck and Kian soils, frequently flooded	0.471
Gulf Coast	TX	Polk	402.050	402.712	0.6615	TX617	Bienville loamy fine sand, 0 to 3 percent slopes	0.066
Gulf Coast	TX	Polk	402.712	403.139	0.4269	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.341
Gulf Coast	TX	Polk	403.139	403.373	0.2345	TX617	Waller silt loam, 0 to 1 percent slopes	0.211
Gulf Coast	TX	Polk	403.373	403.534	0.1613	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.129
Gulf Coast	TX	Polk	403.534	403.843	0.3090	TX617	Waller silt loam, 0 to 1 percent slopes	0.278
Gulf Coast	TX	Polk	403.843	403.977	0.1340	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.107
Gulf Coast	TX	Polk	403.977	404.483	0.5059	TX617	Choates loamy fine sand, 1 to 5 percent slopes	0.379
Gulf Coast	TX	Polk	404.483	406.428	1.9447	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	1.556
Gulf Coast	TX	Polk	406.428	406.461	0.0328	TX617	Waller silt loam, 0 to 1 percent slopes	0.030
Gulf Coast	TX	Polk	406.461	406.689	0.2284	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.183
Gulf Coast	TX	Polk	406.689	406.786	0.0965	TX617	Waller silt loam, 0 to 1 percent slopes	0.087
Gulf Coast	TX	Polk	406.786	408.593	1.8074	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	1.446
Gulf Coast	TX	Polk	408.593	408.678	0.0852	TX617	Boykin loamy fine sand, 1 to 5 percent slopes	0.077
Gulf Coast	TX	Polk	408.678	408.741	0.0632	TX617	Pinetucky fine sandy loam, 1 to 5 percent slopes	0.051
Gulf Coast	TX	Polk	408.741	409.061	0.3200	TX617	Boykin loamy fine sand, 1 to 5 percent slopes	0.288
Gulf Coast	TX	Polk	409.061	409.201	0.1395	TX617	Kirbyville fine sandy loam, 0 to 2 percent slopes	0.126
Gulf Coast	TX	Polk	409.201	409.765	0.5639	TX617	Otanya fine sandy loam, 0 to 3 percent slopes	0.451
Gulf Coast	TX	Polk	409.765	409.891	0.1259	TX617	Waller silt loam, 0 to 1 percent slopes	0.113
Gulf Coast	TX	Polk	409.891	410.019	0.1287	TX617	Otanya fine sandy loam, 0 to 3 percent slopes	0.103
Gulf Coast	TX	Polk	410.019	410.262	0.2428	TX617	Kirbyville fine sandy loam, 0 to 2 percent slopes	0.219
Gulf Coast	TX	Polk	410.262	410.504	0.2417	TX617	Otanya fine sandy loam, 0 to 3 percent slopes	0.193
Gulf Coast	TX	Polk	410.504	410.981	0.4767	TX617	Doucette loamy fine sand, 1 to 5 percent slopes	0.429
Gulf Coast	TX	Polk	410.981	411.085	0.1046	TX617	Waller silt loam, 0 to 1 percent slopes	0.094
Gulf Coast	TX	Polk	411.085	412.645	1.5601	TX617	Otanya fine sandy loam, 0 to 3 percent slopes	1.248
Gulf Coast	TX	Polk	412.645	412.911	0.2662	TX617	Choates loamy fine sand, 1 to 5 percent slopes	0.200
Gulf Coast	TX	Liberty	412.911	412.961	0.0496	TX291	Choates loamy fine sand, 1 to 3 percent slopes	0.040
Gulf Coast	TX	Liberty	412.961	413.602	0.6413	TX291	Doucette loamy fine sand, 1 to 3 percent slopes	0.513
Gulf Coast	TX	Liberty	413.602	413.722	0.1192	TX291	Woodville fine sandy loam, 5 to 8 percent slopes	0.107
Gulf Coast	TX	Liberty	413.922	413.985	0.0634	TX291	Dylan clay, 3 to 6 percent slopes	0.057
Gulf Coast	TX	Liberty	413.985	414.543	0.5576	TX291	Vamont silty clay, 0 to 1 percent slopes	0.474
Gulf Coast	TX	Liberty	414.543	416.175	1.6319	TX291	Vamont clay, 1 to 3 percent slopes	1.387
Gulf Coast	TX	Liberty	416.175	416.860	0.6853	TX291	Vamont silty clay, 0 to 1 percent slopes	0.583
Gulf Coast	TX	Liberty	416.860	417.117	0.2572	TX291	Vamont clay, 1 to 3 percent slopes	0.219
Gulf Coast	TX	Liberty	417.117	417.569	0.4521	TX291	Sorter-Dallardsville complex	0.136
Gulf Coast	TX	Liberty	417.569	418.824	1.2545	TX291	Guyton-Aldine complex	1.129
Gulf Coast	TX	Liberty	418.824	419.020	0.1957	TX291	Vamont silty clay, 0 to 1 percent slopes	0.166
Gulf Coast	TX	Liberty	419.020	419.143	0.1232	TX291	Aris silt loam	0.105
Gulf Coast	TX	Liberty	419.143	419.257	0.1139	TX291	Aldine silt loam, 0 to 2 percent slopes	0.091
Gulf Coast	TX	Liberty	419.257	419.323	0.0657	TX291	Aris silt loam	0.056
Gulf Coast	TX	Liberty	419.323	419.360	0.0374	TX291	Aldine silt loam, 0 to 2 percent slopes	0.030
Gulf Coast	TX	Liberty	419.360	419.505	0.1451	TX291	Aris silt loam	0.123
Gulf Coast	TX	Liberty	419.505	419.693	0.1883	TX291	Aldine silt loam, 0 to 2 percent slopes	0.151
Gulf Coast	TX	Liberty	419.693	419.863	0.1701	TX291	Aris silt loam	0.145
Gulf Coast	TX	Liberty	419.863	420.017	0.1538	TX291	Woodville fine sandy loam, 5 to 8 percent slopes	0.138
Gulf Coast	TX	Liberty	420.106	420.663	0.5564	TX291	Woodville fine sandy loam, 5 to 8 percent slopes	0.501
Gulf Coast	TX	Liberty	420.663	423.649	2.9865	TX291	Aldine-Aris complex	2.539
Gulf Coast	TX	Liberty	423.649	423.710	0.0605	TX291	Kemah-Aris complex	0.057
Gulf Coast	TX	Liberty	423.710	424.727	1.0176	TX291	Aldine-Aris complex	0.865
Gulf Coast	TX	Liberty	424.727	424.855	0.1276	TX291	Waller loam	0.102
Gulf Coast	TX	Liberty	424.855	425.141	0.2860	TX291	Vamont silty clay, 0 to 1 percent slopes	0.243
Gulf Coast	TX	Liberty	425.141	427.654	2.5132	TX291	Aldine-Aris complex	2.136
Gulf Coast	TX	Liberty	427.654	428.467	0.8132	TX291	Verland clay loam	0.773
Gulf Coast	TX	Liberty	428.467	429.043	0.5753	TX291	Beaumont clay	0.518
Gulf Coast	TX	Liberty	429.043	429.212	0.1696	TX291	Guyton silt loam	0.136
Gulf Coast	TX	Liberty	429.212	429.228	0.0158	TX291	Aldine silt loam, 0 to 2 percent slopes	0.013
Gulf Coast	TX	Liberty	429.228	429.382	0.1543	TX291	Guyton silt loam	0.123
Gulf Coast	TX	Liberty	429.382	429.835	0.4532	TX291	Verland clay loam	0.431
Gulf Coast	TX	Liberty	429.835	430.084	0.2487	TX291	Guyton silt loam	0.199
Gulf Coast	TX	Liberty	430.084	430.272	0.1876	TX291	Verland clay loam	0.178
Gulf Coast	TX	Liberty	430.272	430.273	0.0014	TX291	Bernard-Morey complex	0.001
Gulf Coast	TX	Liberty	430.273	430.816	0.5429	TX291	Estes clay, frequently flooded	0.434
Gulf Coast	TX	Liberty	430.816	431.791	0.9751	TX291	Anahuac-Aris complex	0.829
Gulf Coast	TX	Liberty	431.791	432.402	0.6109	TX291	Aldine-Aris complex	0.519
Gulf Coast	TX	Liberty	432.402	432.471	0.0688	TX291	Aris silt loam	0.059
Gulf Coast	TX	Liberty	432.471	432.648	0.1773	TX291	Aldine-Aris complex	0.151
Gulf Coast	TX	Liberty	432.648	432.759	0.1105	TX291	Aris silt loam	0.094
Gulf Coast	TX	Liberty	432.759	433.139	0.3808	TX291	Kemah-Aris complex	0.362
Gulf Coast	TX	Liberty	433.139	433.222	0.0829	TX291	Aris silt loam	0.070
Gulf Coast	TX	Liberty	433.222	433.930	0.7078	TX291	Kemah-Aris complex	0.672
Gulf Coast	TX	Liberty	433.930	434.167	0.2371	TX291	Guyton-Aldine complex	0.213
Gulf Coast	TX	Liberty	434.167	435.958	1.7908	TX291	Aldine-Aris complex	1.522

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	TX	Liberty	435.958	436.266	0.3079	TX291	Aldine silt loam, 0 to 2 percent slopes	0.246
Gulf Coast	TX	Liberty	436.266	436.752	0.4863	TX291	Aldine-Aris complex	0.413
Gulf Coast	TX	Liberty	436.752	437.056	0.3035	TX291	Guyton silt loam	0.243
Gulf Coast	TX	Hardin	437.056	437.137	0.0808	TX199	Manco loam, 0 to 1 percent slopes, frequently flooded	0.081
Gulf Coast	TX	Hardin	437.137	437.267	0.1302	TX199	Aris-Spindletop complex, 0 to 1 percent slopes	0.130
Gulf Coast	TX	Hardin	437.267	437.317	0.0499	TX199	Leton silt loam, 0 to 1 percent slopes	0.050
Gulf Coast	TX	Hardin	437.317	437.904	0.5873	TX199	Beaumont clay, 0 to 1 percent slopes	0.587
Gulf Coast	TX	Hardin	437.904	438.234	0.3302	TX199	Manco loam, 0 to 1 percent slopes, frequently flooded	0.330
Gulf Coast	TX	Hardin	438.234	438.299	0.0651	TX199	Evadale-Texla complex, 0 to 1 percent slopes	0.065
Gulf Coast	TX	Hardin	438.299	438.342	0.0429	TX199	Bevil clay, 0 to 1 percent slopes	0.043
Gulf Coast	TX	Hardin	438.342	438.838	0.4959	TX199	Vamont clay, 0 to 1 percent slopes	0.496
Gulf Coast	TX	Hardin	438.838	438.920	0.0817	TX199	Bevil clay, 0 to 1 percent slopes	0.082
Gulf Coast	TX	Hardin	438.920	439.333	0.4134	TX199	Evadale-Texla complex, 0 to 1 percent slopes	0.413
Gulf Coast	TX	Hardin	439.333	439.890	0.5567	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.557
Gulf Coast	TX	Hardin	439.890	439.962	0.0717	TX199	Camptown silt loam, 0 to 1 percent slopes	0.072
Gulf Coast	TX	Hardin	439.962	440.146	0.1841	TX199	Batson very fine sandy loam, 0 to 1 percent slopes	0.184
Gulf Coast	TX	Hardin	440.146	440.850	0.7039	TX199	Camptown-Batson complex, 0 to 1 percent slopes	0.704
Gulf Coast	TX	Hardin	440.850	442.192	1.3423	TX199	Evadale-Texla complex, 0 to 1 percent slopes	1.342
Gulf Coast	TX	Hardin	442.192	442.568	0.3762	TX199	Aris-Spindletop complex, 0 to 1 percent slopes	0.376
Gulf Coast	TX	Hardin	442.568	442.676	0.1083	TX199	Aris-Levac complex, 0 to 1 percent slopes	0.108
Gulf Coast	TX	Hardin	442.676	443.011	0.3346	TX199	Aris-Spindletop complex, 0 to 1 percent slopes	0.335
Gulf Coast	TX	Hardin	443.011	443.323	0.3120	TX199	Labelle-Spindletop complex, 0 to 1 percent slopes	0.312
Gulf Coast	TX	Hardin	443.323	443.403	0.0805	TX199	Bevil clay, 0 to 1 percent slopes	0.081
Gulf Coast	TX	Hardin	443.403	443.496	0.0924	TX199	Aris-Spindletop complex, 0 to 1 percent slopes	0.092
Gulf Coast	TX	Hardin	443.496	444.658	1.1625	TX199	Evadale-Texla complex, 0 to 1 percent slopes	1.162
Gulf Coast	TX	Hardin	444.658	444.845	0.1864	TX199	Manco loam, 0 to 1 percent slopes, frequently flooded	0.186
Gulf Coast	TX	Hardin	444.845	445.206	0.3611	TX199	Vamont clay, 0 to 1 percent slopes	0.361
Gulf Coast	TX	Hardin	445.206	445.388	0.1818	TX199	Evadale-Texla complex, 0 to 1 percent slopes	0.182
Gulf Coast	TX	Hardin	445.388	445.638	0.2500	TX199	Vamont clay, 0 to 1 percent slopes	0.250
Gulf Coast	TX	Hardin	445.638	446.331	0.6935	TX199	Evadale-Texla complex, 0 to 1 percent slopes	0.694
Gulf Coast	TX	Hardin	446.331	446.554	0.2229	TX199	Estes-Angelina complex, 0 to 1 percent slopes, frequently floode	0.223
Gulf Coast	TX	Hardin	446.554	446.836	0.2819	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.282
Gulf Coast	TX	Hardin	446.836	446.890	0.0545	TX199	Spurger very fine sandy loam, 0 to 2 percent slopes	0.052
Gulf Coast	TX	Hardin	446.890	446.970	0.0794	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.079
Gulf Coast	TX	Hardin	446.970	447.250	0.2805	TX199	Spurger very fine sandy loam, 0 to 2 percent slopes	0.266
Gulf Coast	TX	Hardin	447.250	447.293	0.0423	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.042
Gulf Coast	TX	Hardin	447.293	447.338	0.0458	TX199	Spurger very fine sandy loam, 0 to 2 percent slopes	0.043
Gulf Coast	TX	Hardin	447.338	447.375	0.0365	TX199	Estes-Angelina complex, 0 to 1 percent slopes, frequently floode	0.037
Gulf Coast	TX	Hardin	447.375	447.670	0.2954	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.295
Gulf Coast	TX	Hardin	447.670	447.838	0.1673	TX199	Estes-Angelina complex, 0 to 1 percent slopes, frequently floode	0.167
Gulf Coast	TX	Hardin	447.838	447.976	0.1388	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.139
Gulf Coast	TX	Hardin	447.976	448.048	0.0713	TX199	Estes-Angelina complex, 0 to 1 percent slopes, frequently floode	0.071
Gulf Coast	TX	Hardin	448.048	448.438	0.3900	TX199	Evadale-Gist complex, 0 to 1 percent slopes	0.390
Gulf Coast	TX	Hardin	448.438	448.677	0.2390	TX199	Anahuac-Aris complex, 0 to 1 percent slopes	0.239
Gulf Coast	TX	Hardin	448.677	448.757	0.0799	TX199	Estes-Angelina complex, 0 to 1 percent slopes, frequently floode	0.080
Gulf Coast	TX	Liberty	448.757	448.981	0.2242	TX291	Estes clay, frequently flooded	0.179
Gulf Coast	TX	Liberty	448.981	449.353	0.3721	TX291	Aldine-Aris complex	0.316
Gulf Coast	TX	Jefferson	449.353	451.089	1.7359	TX623	Orcadia-Aris complex, 0 to 1 percent slopes	1.562
Gulf Coast	TX	Jefferson	451.089	451.241	0.1523	TX623	Orcadia silt loam, 0 to 2 percent slopes	0.129
Gulf Coast	TX	Jefferson	451.241	451.375	0.1341	TX623	Orcadia-Aris complex, 0 to 1 percent slopes	0.121
Gulf Coast	TX	Jefferson	451.375	451.502	0.1268	TX623	Bevil clay, 0 to 1 percent slopes	0.108
Gulf Coast	TX	Jefferson	451.502	451.761	0.2588	TX623	Estes clay, 0 to 1 percent slopes, frequently flooded	0.220
Gulf Coast	TX	Jefferson	451.761	452.113	0.3524	TX623	Bevil clay, 0 to 1 percent slopes	0.300
Gulf Coast	TX	Jefferson	452.113	452.708	0.5948	TX623	Orcadia-Aris complex, 0 to 1 percent slopes	0.535
Gulf Coast	TX	Jefferson	452.708	454.469	1.7615	TX623	Bevil clay, 0 to 1 percent slopes	1.497
Gulf Coast	TX	Jefferson	454.469	455.294	0.8247	TX623	Orcadia-Aris complex, 0 to 1 percent slopes	0.742
Gulf Coast	TX	Jefferson	455.294	455.400	0.1055	TX623	Estes clay, 0 to 1 percent slopes, frequently flooded	0.090
Gulf Coast	TX	Jefferson	455.400	455.704	0.3048	TX623	Orcadia-Aris complex, 0 to 1 percent slopes	0.274
Gulf Coast	TX	Jefferson	455.704	456.549	0.8450	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.761
Gulf Coast	TX	Jefferson	456.549	456.908	0.3587	TX623	Bevil clay, 0 to 1 percent slopes	0.305
Gulf Coast	TX	Jefferson	456.908	457.818	0.9100	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.773
Gulf Coast	TX	Jefferson	457.818	457.923	0.1052	TX623	Leton loam, ponded, 0 to 1 percent slopes	0.079
Gulf Coast	TX	Jefferson	457.923	458.305	0.3816	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.324
Gulf Coast	TX	Jefferson	458.305	458.340	0.0352	TX623	Labelle silt loam, 0 to 1 percent slopes	0.028
Gulf Coast	TX	Jefferson	458.340	458.396	0.0559	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.047
Gulf Coast	TX	Jefferson	458.396	458.974	0.5779	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.520
Gulf Coast	TX	Jefferson	458.974	459.192	0.2184	TX623	Labelle silt loam, 0 to 1 percent slopes	0.175
Gulf Coast	TX	Jefferson	459.224	459.712	0.4876	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.439
Gulf Coast	TX	Jefferson	459.712	459.748	0.0365	TX623	League clay, 0 to 1 percent slopes	0.031
Gulf Coast	TX	Jefferson	459.748	459.880	0.1314	TX623	Beaumont clay, 0 to 1 percent slopes	0.112
Gulf Coast	TX	Jefferson	459.910	460.637	0.7274	TX623	Beaumont clay, 0 to 1 percent slopes	0.618
Gulf Coast	TX	Jefferson	460.637	460.884	0.2467	TX623	League clay, 0 to 1 percent slopes	0.210
Gulf Coast	TX	Jefferson	460.884	461.590	0.7063	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.636

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Gulf Coast	TX	Jefferson	461.590	462.050	0.4592	TX623	League clay, 0 to 1 percent slopes	0.390
Gulf Coast	TX	Jefferson	462.050	462.239	0.1897	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.171
Gulf Coast	TX	Jefferson	462.239	462.524	0.2845	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.242
Gulf Coast	TX	Jefferson	462.524	462.581	0.0569	TX623	Leton loam, ponded, 0 to 1 percent slopes	0.043
Gulf Coast	TX	Jefferson	462.581	463.030	0.4491	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.404
Gulf Coast	TX	Jefferson	463.030	463.276	0.2465	TX623	Morey-Levac complex, 0 to 1 percent slopes	0.210
Gulf Coast	TX	Jefferson	463.276	463.417	0.1409	TX623	League clay, 0 to 1 percent slopes	0.120
Gulf Coast	TX	Jefferson	463.444	464.095	0.6502	TX623	Morey-Levac complex, 0 to 1 percent slopes	0.553
Gulf Coast	TX	Jefferson	464.095	464.459	0.3641	TX623	League clay, 0 to 1 percent slopes	0.309
Gulf Coast	TX	Jefferson	464.459	464.834	0.3754	TX623	Morey-Levac complex, 0 to 1 percent slopes	0.319
Gulf Coast	TX	Jefferson	464.834	465.569	0.7344	TX623	League clay, 0 to 1 percent slopes	0.624
Gulf Coast	TX	Jefferson	465.569	466.499	0.9305	TX623	Beaumont clay, 0 to 1 percent slopes	0.791
Gulf Coast	TX	Jefferson	466.499	466.787	0.2881	TX623	Labelle-Levac complex, 0 to 1 percent slopes	0.259
Gulf Coast	TX	Jefferson	466.787	466.849	0.0623	TX623	Beaumont clay, 0 to 1 percent slopes	0.053
Gulf Coast	TX	Jefferson	466.849	466.946	0.0969	TX623	China clay, 0 to 1 percent slopes	0.082
Gulf Coast	TX	Jefferson	466.946	467.123	0.1762	TX623	Beaumont clay, 0 to 1 percent slopes	0.150
Gulf Coast	TX	Jefferson	467.123	468.219	1.0969	TX623	China clay, 0 to 1 percent slopes	0.932
Gulf Coast	TX	Jefferson	468.219	468.649	0.4294	TX623	Beaumont clay, 0 to 1 percent slopes	0.365
Gulf Coast	TX	Jefferson	468.649	469.076	0.4273	TX623	League clay, 0 to 1 percent slopes	0.363
Gulf Coast	TX	Jefferson	469.076	470.846	1.7704	TX623	Beaumont clay, 0 to 1 percent slopes	1.505
Gulf Coast	TX	Jefferson	470.846	470.949	0.1026	TX623	Estes clay, 0 to 1 percent slopes, frequently flooded	0.087
Gulf Coast	TX	Jefferson	470.983	471.101	0.1180	TX623	Estes clay, 0 to 1 percent slopes, frequently flooded	0.100
Gulf Coast	TX	Jefferson	471.101	471.242	0.1406	TX623	Beaumont clay, 0 to 1 percent slopes	0.120
Gulf Coast	TX	Jefferson	471.242	471.376	0.1340	TX623	League clay, 0 to 1 percent slopes	0.114
Gulf Coast	TX	Jefferson	471.376	472.341	0.9650	TX623	Beaumont clay, 0 to 1 percent slopes	0.820
Gulf Coast	TX	Jefferson	472.341	474.431	2.0903	TX623	League clay, 0 to 1 percent slopes	1.777
Gulf Coast	TX	Jefferson	474.431	474.647	0.2155	TX623	Morey-Levac complex, 0 to 1 percent slopes	0.183
Gulf Coast	TX	Jefferson	474.647	474.969	0.3223	TX623	Anahuac very fine sandy loam, 0 to 2 percent slopes	0.274
Gulf Coast	TX	Jefferson	474.969	475.507	0.5380	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.457
Gulf Coast	TX	Jefferson	475.507	475.558	0.0511	TX623	Leton loam, ponded, 0 to 1 percent slopes	0.038
Gulf Coast	TX	Jefferson	475.558	475.628	0.0705	TX623	Viterbo silty clay loam, 0 to 1 percent slopes	0.060
Gulf Coast	TX	Jefferson	475.628	475.794	0.1654	TX623	Anahuac-Aris complex, 0 to 1 percent slopes	0.141
Gulf Coast	TX	Jefferson	475.794	476.292	0.4978	TX623	Viterbo silty clay loam, 0 to 1 percent slopes	0.423
Gulf Coast	TX	Jefferson	476.292	477.397	1.1053	TX623	League clay, 0 to 1 percent slopes	0.940
Gulf Coast	TX	Jefferson	477.397	477.583	0.1861	TX623	Beaumont clay, 0 to 1 percent slopes	0.158
Gulf Coast	TX	Jefferson	477.583	478.273	0.6903	TX623	League clay, 0 to 1 percent slopes	0.587
Gulf Coast	TX	Jefferson	478.292	478.418	0.1260	TX623	League-Urban land complex, 0 to 1 percent slopes	0.088
Gulf Coast	TX	Jefferson	478.418	478.846	0.4280	TX623	Labelle-Urban land complex, 0 to 1 percent slopes	0.300
Gulf Coast	TX	Jefferson	478.846	478.895	0.0484	TX623	Orcadia silt loam, 0 to 2 percent slopes	0.041
Gulf Coast	TX	Jefferson	478.895	479.025	0.1300	TX623	Creole mucky peat, 0 to 1 percent slopes, frequently flooded, tid	0.104
Gulf Coast	TX	Jefferson	479.025	479.374	0.3488	TX623	Orcadia silt loam, 0 to 2 percent slopes	0.296
Gulf Coast	TX	Jefferson	479.374	479.472	0.0984	TX623	Labelle-Urban land complex, 0 to 1 percent slopes	0.069
Gulf Coast	TX	Jefferson	479.472	479.723	0.2512	TX623	Orcadia silt loam, 0 to 2 percent slopes	0.214
Gulf Coast	TX	Jefferson	479.723	480.152	0.4285	TX623	Creole mucky peat, 0 to 1 percent slopes, frequently flooded, tid	0.343
HOUSTON LATERAL								
Houston Lateral	TX	Liberty	0.000	0.064	0.0637	TX291	Aris silt loam	0.054
Houston Lateral	TX	Liberty	0.064	0.093	0.0296	TX291	Kemah-Aris complex	0.028
Houston Lateral	TX	Liberty	0.093	0.198	0.1043	TX291	Aris silt loam	0.089
Houston Lateral	TX	Liberty	0.198	1.830	1.6329	TX291	Kemah-Aris complex	1.551
Houston Lateral	TX	Liberty	1.830	2.774	0.9439	TX291	Aldine silt loam, 0 to 2 percent slopes	0.755
Houston Lateral	TX	Liberty	2.774	4.365	1.5910	TX291	Aldine-Aris complex	1.352
Houston Lateral	TX	Liberty	4.365	4.558	0.1928	TX291	Aldine silt loam, 0 to 2 percent slopes	0.154
Houston Lateral	TX	Liberty	4.558	4.706	0.1478	TX291	Beaumont clay	0.133
Houston Lateral	TX	Liberty	4.706	4.904	0.1985	TX291	Aldine-Aris complex	0.169
Houston Lateral	TX	Liberty	4.904	5.652	0.7476	TX291	Kemah-Aris complex	0.710
Houston Lateral	TX	Liberty	5.652	5.723	0.0712	TX291	Beaumont clay	0.064
Houston Lateral	TX	Liberty	5.723	5.726	0.0030	TX291	Aris silt loam	0.003
Houston Lateral	TX	Liberty	5.726	6.162	0.4354	TX291	Beaumont clay	0.392
Houston Lateral	TX	Liberty	6.162	6.226	0.0648	TX291	Kemah-Aris complex	0.062
Houston Lateral	TX	Liberty	6.226	6.812	0.5857	TX291	Beaumont clay	0.527
Houston Lateral	TX	Liberty	6.812	7.251	0.4388	TX291	Aris silt loam	0.373
Houston Lateral	TX	Liberty	7.251	7.853	0.6015	TX291	Aldine-Aris complex	0.511
Houston Lateral	TX	Liberty	7.853	7.947	0.0943	TX291	Verland clay loam	0.090
Houston Lateral	TX	Liberty	7.947	8.035	0.0878	TX291	Aldine-Aris complex	0.075
Houston Lateral	TX	Liberty	8.035	8.377	0.3423	TX291	Verland clay loam	0.325
Houston Lateral	TX	Liberty	8.377	8.400	0.0233	TX291	Kemah-Aris complex	0.022
Houston Lateral	TX	Liberty	8.400	8.585	0.1853	TX291	Beaumont clay	0.167
Houston Lateral	TX	Liberty	8.585	8.773	0.1880	TX291	Kemah-Aris complex	0.179
Houston Lateral	TX	Liberty	8.773	8.812	0.0381	TX291	Anahuac-Aris complex	0.032
Houston Lateral	TX	Liberty	8.812	8.905	0.0935	TX291	Kemah-Aris complex	0.089
Houston Lateral	TX	Liberty	8.905	9.805	0.8995	TX291	Anahuac-Aris complex	0.765
Houston Lateral	TX	Liberty	9.805	10.501	0.6964	TX291	Bevil silty clay, depressional	0.627
Houston Lateral	TX	Liberty	10.501	10.704	0.2028	TX291	Anahuac-Aris complex	0.172

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Houston Lateral	TX	Liberty	10.704	11.167	0.4632	TX291	Aris silt loam	0.394
Houston Lateral	TX	Liberty	11.167	11.270	0.1035	TX291	Anahuac-Aris complex	0.088
Houston Lateral	TX	Liberty	11.270	11.323	0.0523	TX291	Aris silt loam	0.044
Houston Lateral	TX	Liberty	11.323	11.668	0.3453	TX291	Anahuac-Aris complex	0.293
Houston Lateral	TX	Liberty	11.668	11.885	0.2169	TX291	Aris silt loam	0.184
Houston Lateral	TX	Liberty	11.885	12.076	0.1908	TX291	Anahuac-Aris complex	0.162
Houston Lateral	TX	Liberty	12.076	12.289	0.2130	TX291	Aldine-Aris complex	0.181
Houston Lateral	TX	Liberty	12.289	12.963	0.6743	TX291	Anahuac-Aris complex	0.573
Houston Lateral	TX	Liberty	12.963	13.050	0.0867	TX291	Mocarey-Yeaton complex	0.069
Houston Lateral	TX	Liberty	13.050	13.208	0.1578	TX291	Bernard-Morey complex	0.126
Houston Lateral	TX	Liberty	13.208	13.607	0.3993	TX291	Beaumont clay	0.359
Houston Lateral	TX	Liberty	13.607	14.209	0.6020	TX291	Bernard-Morey complex	0.482
Houston Lateral	TX	Liberty	14.209	14.249	0.0402	TX291	Anahuac-Aris complex	0.034
Houston Lateral	TX	Liberty	14.249	14.299	0.0502	TX291	Bernard-Morey complex	0.040
Houston Lateral	TX	Liberty	14.299	15.265	0.9654	TX291	Anahuac-Aris complex	0.821
Houston Lateral	TX	Liberty	15.265	15.672	0.4075	TX291	Kemah-Aris complex	0.387
Houston Lateral	TX	Liberty	15.672	16.115	0.4424	TX291	Kemah silt loam	0.376
Houston Lateral	TX	Liberty	16.115	17.522	1.4075	TX291	Kaman clay, occasionally flooded	1.267
Houston Lateral	TX	Liberty	17.522	17.798	0.2758	TX291	Fausse clay, frequently flooded	0.248
Houston Lateral	TX	Liberty	17.965	18.351	0.3863	TX291	Bienville-Kenefick complex, 1 to 3 percent slopes	0.135
Houston Lateral	TX	Liberty	18.351	18.916	0.5651	TX291	Spurger-Waller complex, 0 to 2 percent slopes	0.509
Houston Lateral	TX	Liberty	18.916	18.937	0.0209	TX291	Kaman clay, occasionally flooded	0.019
Houston Lateral	TX	Liberty	18.937	19.425	0.4883	TX291	Fausse clay, frequently flooded	0.439
Houston Lateral	TX	Liberty	19.425	21.702	2.2765	TX291	Kaman clay, frequently flooded	2.049
Houston Lateral	TX	Liberty	21.702	22.410	0.7083	TX291	Mantachie loam, frequently flooded	0.567
Houston Lateral	TX	Liberty	22.468	22.494	0.0258	TX291	Woodville fine sandy loam, 5 to 8 percent slopes	0.023
Houston Lateral	TX	Liberty	22.494	22.596	0.1022	TX291	Aldine-Aris complex	0.087
Houston Lateral	TX	Liberty	22.596	22.984	0.3873	TX291	Beaumont clay	0.349
Houston Lateral	TX	Liberty	23.183	23.483	0.2996	TX291	Aldine-Aris complex	0.255
Houston Lateral	TX	Liberty	23.483	23.955	0.4722	TX291	Beaumont clay	0.425
Houston Lateral	TX	Liberty	23.955	27.019	3.0640	TX291	Bernard-Morey complex	2.451
Houston Lateral	TX	Liberty	27.019	28.019	1.0003	TX291	Beaumont clay	0.900
Houston Lateral	TX	Liberty	28.019	29.173	1.1542	TX291	League clay, 0 to 1 percent slopes	1.039
Houston Lateral	TX	Liberty	29.355	29.713	0.3585	TX291	League clay, 0 to 1 percent slopes	0.323
Houston Lateral	TX	Liberty	29.713	30.187	0.4736	TX291	Mocarey-Yeaton complex	0.379
Houston Lateral	TX	Liberty	30.187	31.286	1.0987	TX291	Beaumont clay	0.989
Houston Lateral	TX	Liberty	31.286	31.577	0.2917	TX291	Mocarey-Yeaton complex	0.233
Houston Lateral	TX	Liberty	31.577	31.867	0.2892	TX291	Bernard-Morey complex	0.231
Houston Lateral	TX	Chambers	31.867	32.783	0.9168	TX071	Morey silt loam, levelled	0.871
Houston Lateral	TX	Chambers	32.783	34.183	1.4000	TX071	Lake Charles clay, 0 to 1 percent slopes	1.330
Houston Lateral	TX	Chambers	34.183	35.553	1.3701	TX071	Beaumont clay	1.302
Houston Lateral	TX	Chambers	35.553	35.594	0.0408	TX071	Lake Charles clay, 0 to 1 percent slopes	0.039
Houston Lateral	TX	Harris	35.594	38.043	2.4488	TX201	Lake Charles clay, 0 to 1 percent slopes	2.204
Houston Lateral	TX	Harris	38.043	38.223	0.1799	TX201	Addicks loam	0.162
Houston Lateral	TX	Harris	38.223	38.316	0.0927	TX201	Bernard clay loam	0.083
Houston Lateral	TX	Harris	38.316	38.761	0.4453	TX201	Addicks loam	0.401
Houston Lateral	TX	Harris	38.761	38.833	0.0725	TX201	Bernard clay loam	0.065
Houston Lateral	TX	Harris	38.833	40.161	1.3279	TX201	Addicks loam	1.195
Houston Lateral	TX	Harris	40.161	40.425	0.2634	TX201	Bernard-Edna complex	0.224
Houston Lateral	TX	Harris	40.425	40.651	0.2261	TX201	Verland silty clay loam	0.192
Houston Lateral	TX	Harris	40.651	41.137	0.4859	TX201	Bernard-Edna complex	0.413
Houston Lateral	TX	Harris	41.137	41.645	0.5083	TX201	Verland silty clay loam	0.432
Houston Lateral	TX	Harris	41.645	41.717	0.0718	TX201	Edna fine sandy loam	0.061
Houston Lateral	TX	Harris	41.717	41.771	0.0544	TX201	Vamont clay, 1 to 4 percent slopes	0.046
Houston Lateral	TX	Harris	41.771	42.009	0.2379	TX201	Lake Charles clay, 0 to 1 percent slopes	0.214
Houston Lateral	TX	Harris	42.009	42.378	0.3692	TX201	Aldine very fine sandy loam	0.332
Houston Lateral	TX	Harris	42.378	42.633	0.2546	TX201	Atasco fine sandy loam, 1 to 4 percent slopes	0.229
Houston Lateral	TX	Harris	42.718	42.796	0.0775	TX201	Nahatche loam	0.074
Houston Lateral	TX	Harris	42.796	42.874	0.0785	TX201	Kaman clay	0.075
Houston Lateral	TX	Harris	42.874	42.949	0.0752	TX201	Nahatche loam	0.071
Houston Lateral	TX	Harris	42.949	43.036	0.0862	TX201	Kaman clay	0.082
Houston Lateral	TX	Harris	43.555	43.803	0.2479	TX201	Kaman clay	0.236
Houston Lateral	TX	Harris	43.851	43.912	0.0606	TX201	Kaman clay	0.058
Houston Lateral	TX	Harris	43.983	44.451	0.4682	TX201	Kaman clay	0.445
Houston Lateral	TX	Harris	44.451	44.569	0.1179	TX201	Atasco fine sandy loam, 1 to 4 percent slopes	0.106
Houston Lateral	TX	Harris	44.569	44.734	0.1653	TX201	Aldine very fine sandy loam	0.149
Houston Lateral	TX	Harris	44.734	44.861	0.1267	TX201	Bernard clay loam	0.114
Houston Lateral	TX	Harris	44.861	45.148	0.2870	TX201	Ozan loam	0.258
Houston Lateral	TX	Harris	45.148	45.579	0.4311	TX201	Bernard clay loam	0.388
Houston Lateral	TX	Harris	45.579	45.688	0.1084	TX201	Aldine very fine sandy loam	0.098
Houston Lateral	TX	Harris	45.688	45.932	0.2438	TX201	Bernard clay loam	0.219
Houston Lateral	TX	Harris	45.982	46.521	0.5390	TX201	Bernard clay loam	0.485
Houston Lateral	TX	Harris	46.521	47.220	0.6994	TX201	Verland silty clay loam	0.594

Table K-7 Compaction Prone Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Compaction Prone (miles)
Houston Lateral	TX	Harris	47.220	47.867	0.6471	TX201	Addicks loam	0.582
Houston Lateral	TX	Harris	47.867	48.568	0.7003	TX201	Lake Charles clay, 0 to 1 percent slopes	0.630

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
STEELE CITY SEGMENT								
Steele City	MT	Phillips	0.000	0.740	0.740	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	0.355
Steele City	MT	Phillips	0.752	0.876	0.124	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.105
Steele City	MT	Phillips	2.527	3.740	1.213	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	0.582
Steele City	MT	Phillips	3.740	3.999	0.259	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.220
Steele City	MT	Phillips	3.999	5.949	1.949	MT641	Phillips-Kevin, gravelly complex, 2 to 8 percent slopes	0.858
Steele City	MT	Phillips	5.949	6.179	0.231	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.196
Steele City	MT	Phillips	6.465	6.865	0.401	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.341
Steele City	MT	Phillips	7.147	7.761	0.614	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.522
Steele City	MT	Phillips	7.949	8.074	0.125	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.118
Steele City	MT	Phillips	8.148	8.276	0.128	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.120
Steele City	MT	Phillips	9.118	9.278	0.160	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.136
Steele City	MT	Phillips	9.407	9.778	0.370	MT641	Kevin-Sunburst clay loams, 2 to 8 percent slopes	0.152
Steele City	MT	Phillips	10.033	10.155	0.122	MT641	Sunburst-Bascovy-Weingart complex, 2 to 8 percent slopes	0.079
Steele City	MT	Phillips	10.202	10.409	0.207	MT641	Sunburst-Bascovy-Weingart complex, 2 to 8 percent slopes	0.134
Steele City	MT	Phillips	10.419	10.911	0.492	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	0.236
Steele City	MT	Phillips	10.911	10.975	0.064	MT641	Bascovy-Neldore clays, 2 to 8 percent slopes	0.021
Steele City	MT	Phillips	10.975	11.505	0.530	MT641	Kevin-Scobey-Phillips association, 2 to 15 percent slopes	0.254
Steele City	MT	Phillips	11.505	12.044	0.539	MT641	Neldore-Bascovy clays, 4 to 15 percent slopes	0.340
Steele City	MT	Phillips	12.044	12.363	0.318	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.299
Steele City	MT	Phillips	13.023	13.109	0.086	MT641	Neldore-Bascovy-Rock outcrop association, 8 to 60 percent slopes	0.039
Steele City	MT	Phillips	13.423	13.513	0.089	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.084
Steele City	MT	Phillips	13.513	13.532	0.019	MT641	Neldore-Bascovy-Rock outcrop association, 8 to 60 percent slopes	0.009
Steele City	MT	Phillips	13.532	13.650	0.118	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.111
Steele City	MT	Phillips	13.650	13.815	0.165	MT641	Neldore-Bascovy-Rock outcrop association, 8 to 60 percent slopes	0.074
Steele City	MT	Phillips	14.373	15.332	0.960	MT641	Hillon-Kevin complex, 8 to 15 percent slopes	0.921
Steele City	MT	Phillips	15.332	15.427	0.095	MT641	Bascovy-Neldore-Weingart clays, 8 to 25 percent slopes	0.047
Steele City	MT	Phillips	15.427	15.444	0.017	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.016
Steele City	MT	Phillips	15.444	15.461	0.017	MT641	Sunburst-Kevin complex, 15 to 45 percent slopes	0.016
Steele City	MT	Phillips	15.461	15.472	0.011	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.010
Steele City	MT	Phillips	15.472	15.814	0.342	MT641	Sunburst-Kevin complex, 15 to 45 percent slopes	0.321
Steele City	MT	Phillips	16.211	16.359	0.148	MT641	Sunburst-Neldore association, 15 to 45 percent slopes	0.118
Steele City	MT	Phillips	16.359	16.540	0.181	MT641	Neldore-Bascovy-Rock outcrop association, 8 to 60 percent slopes	0.082
Steele City	MT	Phillips	16.760	16.825	0.064	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.060
Steele City	MT	Phillips	16.825	16.942	0.118	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.004
Steele City	MT	Phillips	16.942	17.012	0.070	MT641	Sunburst-Kevin gravelly clay loams, 8 to 15 percent slopes	0.066
Steele City	MT	Phillips	17.012	17.049	0.037	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.001
Steele City	MT	Phillips	17.171	17.314	0.143	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.004
Steele City	MT	Phillips	17.673	17.823	0.150	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.004
Steele City	MT	Phillips	17.823	17.855	0.032	MT641	Sunburst-Bascovy-Neldore complex, 8 to 35 percent slopes	0.020
Steele City	MT	Phillips	17.855	17.959	0.105	MT641	Kevin-Hillon complex, 2 to 8 percent slopes	0.003
Steele City	MT	Phillips	18.500	18.533	0.034	MT641	Bascovy-Neldore clays, 2 to 8 percent slopes	0.011
Steele City	MT	Phillips	18.555	18.757	0.201	MT641	Bascovy-Neldore clays, 2 to 8 percent slopes	0.066
Steele City	MT	Phillips	18.757	19.316	0.559	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.475
Steele City	MT	Phillips	19.316	19.650	0.334	MT641	Twilight-Cabbart-Marmarth association, 4 to 15 percent slopes	0.017
Steele City	MT	Phillips	19.750	19.789	0.040	MT641	Sunburst-Bascovy-Weingart complex, 2 to 8 percent slopes	0.026
Steele City	MT	Phillips	20.337	20.691	0.355	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.301
Steele City	MT	Phillips	20.691	20.734	0.043	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.003
Steele City	MT	Phillips	20.788	21.075	0.287	MT641	Hillon-Kevin complex, 8 to 15 percent slopes	0.275
Steele City	MT	Phillips	21.075	21.283	0.209	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.177
Steele City	MT	Phillips	21.283	21.315	0.032	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.002
Steele City	MT	Phillips	21.433	21.544	0.110	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.007
Steele City	MT	Phillips	21.544	21.584	0.041	MT641	Scobey-Kevin complex, 2 to 8 percent slopes	0.035
Steele City	MT	Phillips	21.584	21.609	0.025	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.001
Steele City	MT	Phillips	21.609	21.782	0.173	MT641	Hillon-Kevin complex, 8 to 15 percent slopes	0.166
Steele City	MT	Phillips	21.983	22.039	0.056	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.003
Steele City	MT	Phillips	23.912	23.994	0.082	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.005
Steele City	MT	Phillips	24.491	25.183	0.692	MT641	Telstad-Joplin loams, 2 to 8 percent slopes	0.242
Steele City	MT	Phillips	25.183	25.358	0.175	MT641	Hillon-Cabbart-Rock outcrop association, 15 to 65 percent slopes	0.010
Steele City	MT	Valley	25.757	25.997	0.240	MT105	Typic Fluvaquents, gently sloping	0.192
Steele City	MT	Valley	26.054	26.116	0.062	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.050
Steele City	MT	Valley	26.116	27.299	1.182	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.095
Steele City	MT	Valley	27.299	27.452	0.154	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.046
Steele City	MT	Valley	27.452	28.218	0.766	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.061
Steele City	MT	Valley	28.702	29.079	0.376	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.030
Steele City	MT	Valley	29.379	29.571	0.192	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.015
Steele City	MT	Valley	30.063	30.378	0.316	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.025
Steele City	MT	Valley	30.635	30.913	0.278	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.022
Steele City	MT	Valley	31.300	31.822	0.521	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.042
Steele City	MT	Valley	32.282	32.354	0.072	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.030
Steele City	MT	Valley	32.482	32.649	0.167	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.151
Steele City	MT	Valley	32.907	32.931	0.024	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.010

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Steele City	MT	Valley	33.838	33.954	0.115	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.035
Steele City	MT	Valley	34.586	34.635	0.049	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.021
Steele City	MT	Valley	34.689	35.167	0.477	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.205
Steele City	MT	Valley	35.317	35.433	0.116	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.050
Steele City	MT	Valley	35.855	36.069	0.213	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.090
Steele City	MT	Valley	36.263	36.583	0.321	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.026
Steele City	MT	Valley	36.583	38.199	1.616	MT105	Scobey stony clay loams, 2 to 15 percent slopes	1.503
Steele City	MT	Valley	38.199	38.652	0.452	MT105	Scobey clay loam, 1 to 9 percent slopes	0.014
Steele City	MT	Valley	38.754	38.850	0.096	MT105	Scobey clay loam, 1 to 9 percent slopes	0.003
Steele City	MT	Valley	39.073	39.273	0.200	MT105	Ustic Torrifluvents, gently sloping	0.200
Steele City	MT	Valley	40.355	40.782	0.427	MT105	Ustic Torrifluvents, gently sloping	0.427
Steele City	MT	Valley	40.912	41.058	0.146	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.117
Steele City	MT	Valley	41.092	41.211	0.118	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.095
Steele City	MT	Valley	41.508	41.637	0.129	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.103
Steele City	MT	Valley	41.637	42.352	0.715	MT105	Scobey clay loam, 1 to 9 percent slopes	0.021
Steele City	MT	Valley	42.352	42.437	0.085	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.068
Steele City	MT	Valley	42.437	42.563	0.127	MT105	Scobey clay loam, 1 to 9 percent slopes	0.004
Steele City	MT	Valley	42.563	42.828	0.264	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.079
Steele City	MT	Valley	43.156	43.245	0.088	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.007
Steele City	MT	Valley	43.664	44.002	0.338	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.027
Steele City	MT	Valley	44.144	44.394	0.251	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.020
Steele City	MT	Valley	44.394	44.475	0.080	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.064
Steele City	MT	Valley	44.475	44.793	0.319	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.026
Steele City	MT	Valley	44.840	44.912	0.072	MT105	Ustic Torrifluvents, gently sloping	0.072
Steele City	MT	Valley	45.754	45.825	0.071	MT105	Marias clay, 1 to 9 percent slopes	0.001
Steele City	MT	Valley	46.172	46.305	0.134	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.057
Steele City	MT	Valley	46.599	46.914	0.314	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.132
Steele City	MT	Valley	46.927	47.006	0.079	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.033
Steele City	MT	Valley	47.278	47.554	0.276	MT105	Tinsley complex, 9 to 35 percent slopes	0.221
Steele City	MT	Valley	47.801	47.905	0.103	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.093
Steele City	MT	Valley	48.021	48.484	0.463	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.194
Steele City	MT	Valley	48.638	48.689	0.051	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.015
Steele City	MT	Valley	48.713	48.767	0.054	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.016
Steele City	MT	Valley	48.832	48.993	0.161	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.048
Steele City	MT	Valley	49.036	49.108	0.072	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.022
Steele City	MT	Valley	51.207	51.478	0.271	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.114
Steele City	MT	Valley	51.554	51.721	0.167	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.070
Steele City	MT	Valley	52.135	52.273	0.138	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.058
Steele City	MT	Valley	52.273	52.371	0.098	MT105	Ustic Torrifluvents, gently sloping	0.098
Steele City	MT	Valley	52.371	52.440	0.069	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.029
Steele City	MT	Valley	52.878	52.947	0.069	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.029
Steele City	MT	Valley	53.125	53.207	0.082	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.034
Steele City	MT	Valley	53.207	53.254	0.047	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.042
Steele City	MT	Valley	53.576	54.011	0.435	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.183
Steele City	MT	Valley	54.745	55.201	0.456	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.191
Steele City	MT	Valley	55.201	55.297	0.097	MT105	Ustic Torrifluvents, gently sloping	0.097
Steele City	MT	Valley	55.651	55.755	0.104	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.044
Steele City	MT	Valley	55.828	55.993	0.165	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.132
Steele City	MT	Valley	56.037	56.137	0.100	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.080
Steele City	MT	Valley	56.511	56.583	0.072	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.030
Steele City	MT	Valley	56.835	56.892	0.057	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.024
Steele City	MT	Valley	57.064	57.205	0.140	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.126
Steele City	MT	Valley	57.205	57.270	0.065	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.028
Steele City	MT	Valley	57.270	57.337	0.067	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.028
Steele City	MT	Valley	57.337	57.402	0.065	MT105	Lisam-Dilts clays, 5 to 35 percent slopes	0.028
Steele City	MT	Valley	57.402	57.596	0.195	MT105	Sunburst-Lisam complex, 9 to 35 percent slopes	0.082
Steele City	MT	Valley	57.799	58.380	0.581	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.523
Steele City	MT	Valley	59.245	59.359	0.114	MT105	Ustic Torrifluvents, gently sloping	0.114
Steele City	MT	Valley	59.359	59.463	0.104	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.093
Steele City	MT	Valley	59.629	59.752	0.122	MT105	Elloam gravelly clay, 2 to 9 percent slopes	0.110
Steele City	MT	Valley	59.925	60.131	0.205	MT105	Redvale loam, 0 to 3 percent slopes	0.197
Steele City	MT	Valley	61.142	61.581	0.438	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.132
Steele City	MT	Valley	61.581	61.725	0.145	MT105	Ustic Torrifluvents, gently sloping	0.145
Steele City	MT	Valley	61.725	61.933	0.207	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.062
Steele City	MT	Valley	63.224	63.632	0.407	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.033
Steele City	MT	Valley	64.948	66.849	1.900	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.152
Steele City	MT	Valley	66.849	66.890	0.041	MT105	Scobey-Sunburst clay loams, 5 to 25 percent slopes	0.012
Steele City	MT	Valley	66.890	66.978	0.088	MT105	Ustic Torrifluvents, gently sloping	0.088
Steele City	MT	Valley	67.237	67.461	0.224	MT105	Redvale loam, 0 to 3 percent slopes	0.215
Steele City	MT	Valley	67.603	67.807	0.204	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.016
Steele City	MT	Valley	68.031	68.333	0.302	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.024
Steele City	MT	Valley	68.333	68.456	0.123	MT105	Redvale loam, 0 to 3 percent slopes	0.118

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Steele City	MT	Valley	68.456	68.596	0.140	MT105	Ustic Torrifluvents, gently sloping	0.140
Steele City	MT	Valley	68.596	69.204	0.608	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.049
Steele City	MT	Valley	69.245	69.439	0.194	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.016
Steele City	MT	Valley	70.414	70.478	0.063	MT105	Havre-Rivra complex	0.022
Steele City	MT	Valley	70.478	70.568	0.090	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.072
Steele City	MT	Valley	70.568	70.784	0.216	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.017
Steele City	MT	Valley	70.784	70.862	0.078	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.063
Steele City	MT	Valley	70.862	71.047	0.185	MT105	Ustic Torrifluvents, gently sloping	0.185
Steele City	MT	Valley	71.047	72.909	1.862	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.149
Steele City	MT	Valley	72.909	73.437	0.528	MT105	Scobey clay loam, 1 to 9 percent slopes	0.016
Steele City	MT	Valley	73.437	73.535	0.098	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.008
Steele City	MT	Valley	73.535	73.606	0.071	MT105	Scobey clay loam, 1 to 9 percent slopes	0.002
Steele City	MT	Valley	73.606	75.808	2.202	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.176
Steele City	MT	Valley	75.808	75.875	0.067	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.053
Steele City	MT	Valley	75.875	75.936	0.061	MT105	Ustic Torrifluvents, gently sloping	0.061
Steele City	MT	Valley	75.936	75.986	0.050	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.040
Steele City	MT	Valley	75.986	76.489	0.503	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.040
Steele City	MT	Valley	76.489	76.514	0.026	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.021
Steele City	MT	Valley	76.514	77.759	1.245	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.100
Steele City	MT	Valley	77.759	77.837	0.078	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.062
Steele City	MT	Valley	77.837	77.893	0.055	MT105	Ustic Torrifluvents, gently sloping	0.055
Steele City	MT	Valley	77.893	77.922	0.029	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.024
Steele City	MT	Valley	77.922	78.056	0.133	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.011
Steele City	MT	Valley	78.056	78.287	0.231	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.185
Steele City	MT	Valley	78.287	78.684	0.397	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.032
Steele City	MT	Valley	78.856	79.304	0.448	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.036
Steele City	MT	Valley	79.304	79.676	0.372	MT105	Scobey clay loam, 1 to 9 percent slopes	0.011
Steele City	MT	Valley	79.676	80.784	1.108	MT105	Phillips-Scobey complex, 2 to 9 percent slopes	0.089
Steele City	MT	Valley	80.784	82.130	1.346	MT105	Redvale loam, 0 to 3 percent slopes	1.292
Steele City	MT	Valley	82.130	82.412	0.282	MT105	Sunburst clay loam, 9 to 35 percent slopes	0.226
Steele City	MT	Valley	84.851	85.041	0.190	MT105	Hillon-Telstad loams, 9 to 15 percent slopes	0.008
Steele City	MT	Valley	86.986	87.018	0.032	MT105	Hillon loam, 15 to 35 percent slopes	0.003
Steele City	MT	McCone	90.046	90.114	0.068	MT055	Neldore-Badland-Bascovy complex, 15 to 45 percent slopes	0.031
Steele City	MT	McCone	90.451	90.830	0.380	MT055	Neldore-Yamac-Badland complex, 15 to 45 percent slopes	0.140
Steele City	MT	McCone	90.883	90.976	0.093	MT055	Neldore-Yamac-Badland complex, 15 to 45 percent slopes	0.034
Steele City	MT	McCone	91.464	91.642	0.178	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.012
Steele City	MT	McCone	91.786	92.077	0.291	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.020
Steele City	MT	McCone	92.255	92.262	0.007	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.000
Steele City	MT	McCone	92.464	92.735	0.271	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.019
Steele City	MT	McCone	92.920	93.537	0.616	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.012
Steele City	MT	McCone	93.537	93.572	0.035	MT055	Aeric Fluvaquents, loamy	0.000
Steele City	MT	McCone	93.572	93.607	0.035	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.030
Steele City	MT	McCone	93.607	93.674	0.067	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.001
Steele City	MT	McCone	93.674	93.718	0.044	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.037
Steele City	MT	McCone	93.718	93.796	0.078	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.067
Steele City	MT	McCone	93.796	94.001	0.204	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.014
Steele City	MT	McCone	94.120	94.220	0.100	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.085
Steele City	MT	McCone	94.236	94.254	0.018	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.015
Steele City	MT	McCone	94.486	94.684	0.197	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.168
Steele City	MT	McCone	94.772	94.878	0.106	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.090
Steele City	MT	McCone	95.050	95.366	0.316	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.269
Steele City	MT	McCone	95.366	95.613	0.246	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.005
Steele City	MT	McCone	95.613	95.662	0.050	MT055	Hillon loam, 8 to 15 percent slopes	0.002
Steele City	MT	McCone	95.662	95.793	0.131	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.003
Steele City	MT	McCone	95.793	95.931	0.137	MT055	Hillon loam, 8 to 15 percent slopes	0.005
Steele City	MT	McCone	95.931	96.048	0.117	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.008
Steele City	MT	McCone	96.048	96.419	0.371	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.007
Steele City	MT	McCone	96.554	96.611	0.057	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.004
Steele City	MT	McCone	96.611	96.761	0.150	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.128
Steele City	MT	McCone	96.761	96.887	0.125	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.003
Steele City	MT	McCone	96.887	96.986	0.099	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.084
Steele City	MT	McCone	97.020	97.297	0.277	MT055	Sunburst clay loam, 15 to 45 percent slopes	0.235
Steele City	MT	McCone	97.546	97.672	0.127	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.108
Steele City	MT	McCone	97.970	98.032	0.062	MT055	Sunburst clay loam, 2 to 8 percent slopes	0.053
Steele City	MT	McCone	98.239	98.295	0.056	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.004
Steele City	MT	McCone	98.480	98.680	0.199	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.014
Steele City	MT	McCone	98.680	98.875	0.195	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.004
Steele City	MT	McCone	99.021	99.195	0.174	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.012
Steele City	MT	McCone	99.323	99.327	0.004	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.003
Steele City	MT	McCone	99.383	99.468	0.084	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.006
Steele City	MT	McCone	99.503	99.636	0.133	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.009
Steele City	MT	McCone	99.965	100.149	0.184	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.156

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Steele City	MT	McCone	100.265	100.308	0.042	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.036
Steele City	MT	McCone	100.569	100.641	0.072	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.001
Steele City	MT	McCone	101.071	101.252	0.181	MT055	Gerdrum-Yawdim-Fleak complex, 8 to 45 percent slopes	0.013
Steele City	MT	McCone	101.252	101.293	0.041	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.001
Steele City	MT	McCone	101.293	101.294	0.001	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.000
Steele City	MT	McCone	101.476	101.591	0.115	MT055	Sunburst clay loam, 8 to 15 percent slopes	0.098
Steele City	MT	McCone	101.591	101.637	0.046	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.001
Steele City	MT	McCone	101.699	101.770	0.071	MT055	Evanston loam, 2 to 8 percent slopes	0.002
Steele City	MT	McCone	101.948	102.181	0.233	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.007
Steele City	MT	McCone	102.181	102.252	0.071	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.001
Steele City	MT	McCone	103.150	103.335	0.185	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.006
Steele City	MT	McCone	103.371	103.443	0.072	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.002
Steele City	MT	McCone	103.835	103.892	0.057	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.002
Steele City	MT	McCone	104.218	104.249	0.030	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.001
Steele City	MT	McCone	104.438	104.542	0.104	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.003
Steele City	MT	McCone	104.594	104.708	0.114	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.003
Steele City	MT	McCone	104.832	105.261	0.430	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.013
Steele City	MT	McCone	105.379	105.508	0.129	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.004
Steele City	MT	McCone	105.571	105.697	0.126	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.004
Steele City	MT	McCone	106.687	106.841	0.154	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.003
Steele City	MT	McCone	106.841	106.889	0.049	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.001
Steele City	MT	McCone	107.705	108.220	0.515	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.015
Steele City	MT	McCone	108.781	108.806	0.026	MT055	Badland	0.001
Steele City	MT	McCone	110.658	110.710	0.051	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.001
Steele City	MT	McCone	110.752	110.803	0.051	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.001
Steele City	MT	McCone	110.842	110.974	0.132	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.003
Steele City	MT	McCone	112.178	112.339	0.161	MT055	Badland	0.003
Steele City	MT	McCone	112.465	112.508	0.043	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.003
Steele City	MT	McCone	112.508	112.675	0.167	MT055	Yawdim-Badland-Cabbart association	0.008
Steele City	MT	McCone	113.427	113.678	0.251	MT055	Hillon loam, 2 to 8 percent slopes	0.010
Steele City	MT	McCone	114.076	114.099	0.023	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.001
Steele City	MT	McCone	114.152	114.213	0.061	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.002
Steele City	MT	McCone	114.291	114.383	0.092	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.003
Steele City	MT	McCone	114.883	115.002	0.119	MT055	Badland	0.002
Steele City	MT	McCone	115.384	115.397	0.013	MT055	Absher clay loam, 8 to 15 percent slopes	0.000
Steele City	MT	McCone	115.397	115.446	0.049	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.001
Steele City	MT	McCone	115.583	115.629	0.046	MT055	Hillon loam, 2 to 8 percent slopes	0.002
Steele City	MT	McCone	116.257	116.491	0.233	MT055	Busby-Yamac-Fleak complex, 15 to 45 percent slopes	0.005
Steele City	MT	McCone	116.491	116.539	0.049	MT055	Weingart clay, 2 to 8 percent slopes	0.001
Steele City	MT	McCone	116.539	116.591	0.052	MT055	Badland	0.001
Steele City	MT	McCone	116.624	116.743	0.119	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.004
Steele City	MT	McCone	116.743	116.809	0.066	MT055	Hillon loam, 2 to 8 percent slopes	0.003
Steele City	MT	McCone	117.193	117.266	0.073	MT055	Hillon loam, 8 to 15 percent slopes	0.003
Steele City	MT	McCone	117.359	117.400	0.042	MT055	Yawdim-Kirby complex, 8 to 35 percent slopes	0.015
Steele City	MT	McCone	118.205	118.286	0.081	MT055	Gerdrum-Yawdim-Fleak complex, 8 to 45 percent slopes	0.006
Steele City	MT	McCone	119.280	119.393	0.113	MT055	Weingart clay, 2 to 8 percent slopes	0.003
Steele City	MT	McCone	119.923	119.987	0.064	MT055	Cabbart-Badland complex, 15 to 45 percent slopes	0.005
Steele City	MT	McCone	120.074	120.145	0.071	MT055	Cabbart-Badland complex, 15 to 45 percent slopes	0.006
Steele City	MT	McCone	120.145	120.187	0.042	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.003
Steele City	MT	McCone	120.187	120.268	0.081	MT055	Cabbart-Badland complex, 15 to 45 percent slopes	0.006
Steele City	MT	McCone	120.707	120.785	0.078	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.002
Steele City	MT	McCone	120.785	120.828	0.043	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.001
Steele City	MT	McCone	120.890	120.933	0.044	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.001
Steele City	MT	McCone	122.072	122.249	0.176	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.005
Steele City	MT	McCone	122.358	122.442	0.084	MT055	Evanston loam, 0 to 2 percent slopes	0.001
Steele City	MT	McCone	122.455	122.553	0.098	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.003
Steele City	MT	McCone	123.094	123.226	0.132	MT055	Gerdrum clay loam, 0 to 8 percent slopes	0.004
Steele City	MT	McCone	124.428	124.462	0.034	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.001
Steele City	MT	McCone	124.542	124.720	0.177	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.004
Steele City	MT	McCone	124.820	124.975	0.155	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.003
Steele City	MT	McCone	125.073	125.409	0.335	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.007
Steele City	MT	McCone	127.501	127.549	0.048	MT055	Cabbart-Badland complex, 15 to 45 percent slopes	0.004
Steele City	MT	McCone	128.270	128.451	0.181	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.013
Steele City	MT	McCone	128.837	128.895	0.057	MT055	Cabbart-Kirby complex, 8 to 45 percent slopes	0.020
Steele City	MT	McCone	128.918	128.957	0.039	MT055	Cabbart-Kirby complex, 8 to 45 percent slopes	0.014
Steele City	MT	McCone	129.017	129.028	0.011	MT055	Cabbart-Kirby complex, 8 to 45 percent slopes	0.004
Steele City	MT	McCone	129.028	129.063	0.034	MT055	Busby-Fleak complex, 15 to 45 percent slopes	0.002
Steele City	MT	McCone	129.472	129.571	0.099	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.002
Steele City	MT	McCone	129.610	129.878	0.268	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.005
Steele City	MT	McCone	130.871	130.979	0.108	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.002
Steele City	MT	McCone	131.572	131.680	0.109	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.002
Steele City	MT	McCone	131.750	131.793	0.043	MT055	Floweree-Cambeth silt loams, 2 to 8 percent slopes	0.001

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Steele City	MT	McCone	132.300	132.345	0.045	MT055	Cambert loam, 2 to 8 percent slopes	0.001
Steele City	MT	McCone	132.373	132.477	0.105	MT055	Cambert loam, 2 to 8 percent slopes	0.002
Steele City	MT	McCone	132.663	132.756	0.094	MT055	Cambert loam, 2 to 8 percent slopes	0.002
Steele City	MT	McCone	133.531	133.588	0.057	MT055	Cambert loam, 2 to 8 percent slopes	0.001
Steele City	MT	McCone	133.771	134.047	0.276	MT055	Cambert loam, 2 to 8 percent slopes	0.006
Steele City	MT	McCone	134.377	134.427	0.050	MT055	Typic Ustorthents-Typic Ustifluvents association	0.002
Steele City	MT	McCone	134.427	134.673	0.246	MT055	Cambert loam, 2 to 8 percent slopes	0.005
Steele City	MT	McCone	134.842	134.963	0.122	MT055	Cambert loam, 2 to 8 percent slopes	0.002
Steele City	MT	McCone	135.247	135.266	0.019	MT055	Cambert loam, 2 to 8 percent slopes	0.000
Steele City	MT	McCone	135.372	135.436	0.063	MT055	Typic Ustorthents-Typic Ustifluvents association	0.002
Steele City	MT	McCone	136.225	136.292	0.067	MT055	Typic Ustorthents-Typic Ustifluvents association	0.002
Steele City	MT	McCone	137.029	137.204	0.175	MT055	Cambert loam, 2 to 8 percent slopes	0.004
Steele City	MT	McCone	137.252	137.384	0.132	MT055	Cambert loam, 2 to 8 percent slopes	0.003
Steele City	MT	McCone	138.012	138.155	0.142	MT055	Cambert loam, 2 to 8 percent slopes	0.003
Steele City	MT	McCone	138.268	138.354	0.085	MT055	Typic Ustorthents-Typic Ustifluvents association	0.003
Steele City	MT	McCone	138.796	138.852	0.056	MT055	Typic Ustorthents-Typic Ustifluvents association	0.002
Steele City	MT	McCone	138.869	139.061	0.192	MT055	Cambert loam, 2 to 8 percent slopes	0.004
Steele City	MT	McCone	139.356	139.404	0.048	MT055	Typic Ustorthents-Typic Ustifluvents association	0.001
Steele City	MT	McCone	139.404	139.554	0.150	MT055	Cambert loam, 2 to 8 percent slopes	0.003
Steele City	MT	McCone	139.948	140.053	0.105	MT055	Cambert loam, 2 to 8 percent slopes	0.002
Steele City	MT	McCone	140.377	140.407	0.030	MT055	Cambert loam, 2 to 8 percent slopes	0.001
Steele City	MT	McCone	140.431	140.478	0.047	MT055	Cambert loam, 2 to 8 percent slopes	0.001
Steele City	MT	McCone	140.600	140.728	0.128	MT055	Cambert loam, 2 to 8 percent slopes	0.003
Steele City	MT	McCone	140.899	141.007	0.108	MT055	Cambert loam, 2 to 8 percent slopes	0.002
Steele City	MT	McCone	141.284	141.309	0.025	MT055	Cambert loam, 2 to 8 percent slopes	0.000
Steele City	MT	McCone	141.490	142.206	0.716	MT055	Cambert loam, 2 to 8 percent slopes	0.014
Steele City	MT	McCone	142.363	142.417	0.054	MT055	Cambert loam, 2 to 8 percent slopes	0.001
Steele City	MT	McCone	142.473	142.829	0.356	MT055	Cambert loam, 2 to 8 percent slopes	0.007
Steele City	MT	McCone	142.894	142.941	0.046	MT055	Cambert loam, 2 to 8 percent slopes	0.001
Steele City	MT	McCone	143.026	143.442	0.416	MT055	Cambert loam, 2 to 8 percent slopes	0.008
Steele City	MT	McCone	143.537	143.723	0.185	MT055	Cambert loam, 2 to 8 percent slopes	0.004
Steele City	MT	McCone	143.889	144.112	0.224	MT055	Cambert loam, 2 to 8 percent slopes	0.004
Steele City	MT	McCone	144.406	144.464	0.058	MT055	Cambert loam, 2 to 8 percent slopes	0.001
Steele City	MT	McCone	144.540	144.685	0.145	MT055	Cambert loam, 2 to 8 percent slopes	0.003
Steele City	MT	McCone	144.975	145.049	0.073	MT055	Cambert loam, 2 to 8 percent slopes	0.001
Steele City	MT	McCone	145.062	145.192	0.130	MT055	Cambert loam, 2 to 8 percent slopes	0.003
Steele City	MT	McCone	145.430	145.582	0.152	MT055	Cambert loam, 2 to 8 percent slopes	0.003
Steele City	MT	McCone	145.582	145.677	0.095	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	0.024
Steele City	MT	McCone	145.677	145.825	0.148	MT055	Cambert loam, 2 to 8 percent slopes	0.003
Steele City	MT	McCone	145.825	146.020	0.195	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	0.049
Steele City	MT	McCone	146.208	146.314	0.107	MT055	Havrelon loam	0.003
Steele City	MT	McCone	146.314	146.527	0.213	MT055	Trembles fine sandy loam	0.015
Steele City	MT	McCone	146.527	146.597	0.069	MT055	Typic Fluvaquents, frequently flooded	0.001
Steele City	MT	McCone	146.597	146.619	0.022	MT055	Trembles fine sandy loam	0.002
Steele City	MT	McCone	148.021	148.173	0.151	MT055	Cambert loam, 2 to 8 percent slopes	0.003
Steele City	MT	McCone	148.815	148.925	0.110	MT055	Cambert loam, 2 to 8 percent slopes	0.002
Steele City	MT	McCone	149.267	149.355	0.088	MT055	Cambert loam, 2 to 8 percent slopes	0.002
Steele City	MT	McCone	149.355	149.550	0.195	MT055	Macar loam, 4 to 8 percent slopes	0.002
Steele City	MT	McCone	149.550	149.717	0.166	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	0.042
Steele City	MT	McCone	149.717	149.771	0.055	MT055	Shambo loam, 4 to 8 percent slopes	0.001
Steele City	MT	McCone	150.190	150.453	0.264	MT055	Shambo loam, 4 to 8 percent slopes	0.005
Steele City	MT	McCone	150.856	151.032	0.176	MT055	Cambert loam, 2 to 8 percent slopes	0.004
Steele City	MT	McCone	151.316	151.359	0.044	MT055	Typic Ustorthents-Typic Ustifluvents association	0.001
Steele City	MT	McCone	152.033	152.300	0.267	MT055	Macar loam, 4 to 8 percent slopes	0.003
Steele City	MT	McCone	152.326	152.397	0.071	MT055	Macar loam, 4 to 8 percent slopes	0.001
Steele City	MT	McCone	152.488	152.893	0.404	MT055	Cambert loam, 2 to 8 percent slopes	0.008
Steele City	MT	McCone	153.140	153.196	0.056	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	0.014
Steele City	MT	McCone	153.196	153.225	0.029	MT055	Subwell-Peerless loams, 0 to 4 percent slopes	0.027
Steele City	MT	McCone	153.225	153.278	0.053	MT055	Cabba-Wabek-Dast complex, 15 to 45 percent slopes	0.013
Steele City	MT	McCone	153.323	153.348	0.025	MT055	Cabba-Badland complex, 15 to 45 percent slopes	0.004
Steele City	MT	McCone	153.683	153.723	0.039	MT055	Macar loam, 8 to 15 percent slopes	0.001
Steele City	MT	McCone	155.631	156.045	0.414	MT055	Macar loam, 4 to 8 percent slopes	0.004
Steele City	MT	McCone	156.259	156.324	0.065	MT055	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.001
Steele City	MT	Dawson	156.615	156.729	0.115	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.001
Steele City	MT	Dawson	156.729	156.749	0.020	MT021	Terrace escarpments	0.020
Steele City	MT	Dawson	156.749	156.878	0.129	MT021	Attewan loam, 2 to 4 percent slopes	0.129
Steele City	MT	Dawson	156.878	156.915	0.037	MT021	Kremlin loam, 4 to 8 percent slopes	0.001
Steele City	MT	Dawson	156.915	156.973	0.058	MT021	Attewan loam, 2 to 4 percent slopes	0.058
Steele City	MT	Dawson	156.973	157.476	0.503	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.010
Steele City	MT	Dawson	157.476	157.649	0.173	MT021	Chinook fine sandy loam, 4 to 8 percent slopes	0.007
Steele City	MT	Dawson	157.649	157.718	0.070	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.001

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Steele City	MT	Dawson	157.968	158.265	0.297	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.155
Steele City	MT	Dawson	158.524	158.640	0.116	MT021	Chinook fine sandy loam, 4 to 8 percent slopes	0.005
Steele City	MT	Dawson	158.640	158.728	0.088	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.082
Steele City	MT	Dawson	158.728	158.899	0.171	MT021	Lonna silt loam, 2 to 4 percent slopes	0.003
Steele City	MT	Dawson	158.899	159.027	0.127	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.001
Steele City	MT	Dawson	159.188	159.207	0.019	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.000
Steele City	MT	Dawson	159.207	159.262	0.055	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.001
Steele City	MT	Dawson	159.262	159.309	0.048	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.000
Steele City	MT	Dawson	159.650	159.708	0.058	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.001
Steele City	MT	Dawson	159.708	160.151	0.443	MT021	Lonna silt loam, 2 to 4 percent slopes	0.009
Steele City	MT	Dawson	160.151	160.208	0.057	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.001
Steele City	MT	Dawson	160.208	160.299	0.091	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	0.004
Steele City	MT	Dawson	160.299	160.502	0.203	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.004
Steele City	MT	Dawson	160.502	160.657	0.155	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.003
Steele City	MT	Dawson	160.657	160.976	0.319	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	0.013
Steele City	MT	Dawson	160.976	161.062	0.086	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.001
Steele City	MT	Dawson	161.062	161.091	0.029	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.001
Steele City	MT	Dawson	161.091	161.126	0.035	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.000
Steele City	MT	Dawson	161.126	161.262	0.136	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.003
Steele City	MT	Dawson	161.262	161.352	0.090	MT021	Kremlin loam, 2 to 4 percent slopes	0.005
Steele City	MT	Dawson	161.352	161.627	0.275	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.005
Steele City	MT	Dawson	161.627	161.702	0.076	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	0.003
Steele City	MT	Dawson	161.702	161.969	0.267	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.005
Steele City	MT	Dawson	161.969	162.057	0.088	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.082
Steele City	MT	Dawson	162.057	162.346	0.290	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.006
Steele City	MT	Dawson	162.346	162.378	0.032	MT021	Attewan loam, 4 to 8 percent slopes	0.032
Steele City	MT	Dawson	162.378	162.432	0.054	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.001
Steele City	MT	Dawson	162.432	162.506	0.074	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.069
Steele City	MT	Dawson	162.506	162.666	0.160	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.003
Steele City	MT	Dawson	162.666	162.764	0.098	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.091
Steele City	MT	Dawson	162.764	163.085	0.321	MT021	Attewan loam, 2 to 4 percent slopes	0.321
Steele City	MT	Dawson	163.085	163.100	0.015	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.014
Steele City	MT	Dawson	163.100	163.211	0.111	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.001
Steele City	MT	Dawson	163.211	163.536	0.325	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.006
Steele City	MT	Dawson	163.536	163.676	0.140	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.003
Steele City	MT	Dawson	163.676	164.248	0.572	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.011
Steele City	MT	Dawson	164.382	164.475	0.093	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.002
Steele City	MT	Dawson	164.537	165.187	0.650	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.013
Steele City	MT	Dawson	165.187	165.264	0.077	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.002
Steele City	MT	Dawson	165.264	165.754	0.490	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.010
Steele City	MT	Dawson	165.754	166.099	0.345	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	0.328
Steele City	MT	Dawson	166.099	166.333	0.234	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.002
Steele City	MT	Dawson	166.333	166.360	0.026	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.001
Steele City	MT	Dawson	166.360	166.409	0.050	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.000
Steele City	MT	Dawson	166.409	166.680	0.271	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.005
Steele City	MT	Dawson	166.680	167.792	1.112	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.022
Steele City	MT	Dawson	167.792	168.439	0.647	MT021	Lonna silt loam, 2 to 4 percent slopes	0.013
Steele City	MT	Dawson	168.439	168.702	0.263	MT021	Subwell-Bigsheep complex, 4 to 15 percent slopes	0.231
Steele City	MT	Dawson	168.702	168.783	0.081	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	0.077
Steele City	MT	Dawson	168.783	169.065	0.283	MT021	Lonna silt loam, 2 to 4 percent slopes	0.006
Steele City	MT	Dawson	169.065	169.268	0.202	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.004
Steele City	MT	Dawson	169.268	169.422	0.154	MT021	Kremlin loam, 2 to 4 percent slopes	0.008
Steele City	MT	Dawson	169.422	169.787	0.366	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.007
Steele City	MT	Dawson	169.787	169.829	0.042	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.001
Steele City	MT	Dawson	169.829	169.869	0.039	MT021	Kremlin loam, 2 to 4 percent slopes	0.002
Steele City	MT	Dawson	169.869	170.026	0.157	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.003
Steele City	MT	Dawson	170.026	171.243	1.217	MT021	Lonna silt loam, 2 to 4 percent slopes	0.024
Steele City	MT	Dawson	171.332	172.217	0.885	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.018
Steele City	MT	Dawson	172.217	172.404	0.187	MT021	Lonna silt loam, 2 to 4 percent slopes	0.004
Steele City	MT	Dawson	172.404	172.642	0.238	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.005
Steele City	MT	Dawson	172.642	172.745	0.104	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.002
Steele City	MT	Dawson	172.745	174.224	1.479	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.030
Steele City	MT	Dawson	174.224	174.275	0.051	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.001
Steele City	MT	Dawson	174.275	174.296	0.021	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.000
Steele City	MT	Dawson	174.296	174.346	0.050	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.001
Steele City	MT	Dawson	174.346	174.427	0.082	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.002
Steele City	MT	Dawson	174.427	174.581	0.154	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.003

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Steele City	MT	Dawson	174.581	174.801	0.220	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.004
Steele City	MT	Dawson	174.801	175.141	0.339	MT021	Lonna silt loam, 2 to 4 percent slopes	0.007
Steele City	MT	Dawson	175.180	175.359	0.179	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.002
Steele City	MT	Dawson	175.596	175.615	0.019	MT021	Lonna silt loam, 2 to 4 percent slopes	0.000
Steele City	MT	Dawson	175.615	175.621	0.006	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.000
Steele City	MT	Dawson	175.621	175.770	0.149	MT021	Lonna silt loam, 2 to 4 percent slopes	0.003
Steele City	MT	Dawson	175.770	176.196	0.425	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.009
Steele City	MT	Dawson	176.196	176.386	0.191	MT021	Lonna silt loam, 2 to 4 percent slopes	0.004
Steele City	MT	Dawson	176.386	176.417	0.030	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.001
Steele City	MT	Dawson	176.417	176.477	0.061	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.001
Steele City	MT	Dawson	176.477	176.893	0.416	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.008
Steele City	MT	Dawson	176.893	177.231	0.339	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.007
Steele City	MT	Dawson	177.231	177.333	0.101	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.001
Steele City	MT	Dawson	177.542	177.596	0.054	MT021	Lonna silt loam, 2 to 4 percent slopes	0.001
Steele City	MT	Dawson	177.890	178.056	0.167	MT021	Lonna silt loam, 2 to 4 percent slopes	0.003
Steele City	MT	Dawson	178.056	178.139	0.083	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.002
Steele City	MT	Dawson	178.139	178.413	0.274	MT021	Lonna silt loam, 2 to 4 percent slopes	0.005
Steele City	MT	Dawson	178.413	178.922	0.509	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.010
Steele City	MT	Dawson	178.922	178.956	0.034	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.001
Steele City	MT	Dawson	178.956	179.028	0.071	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.066
Steele City	MT	Dawson	179.028	179.055	0.028	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.001
Steele City	MT	Dawson	179.055	179.639	0.584	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.543
Steele City	MT	Dawson	179.639	179.997	0.358	MT021	Lonna silt loam, 2 to 4 percent slopes	0.007
Steele City	MT	Dawson	179.997	180.088	0.091	MT021	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.002
Steele City	MT	Dawson	180.088	180.296	0.208	MT021	Lonna silt loam, 2 to 4 percent slopes	0.004
Steele City	MT	Dawson	180.296	180.592	0.295	MT021	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.006
Steele City	MT	Dawson	180.592	180.938	0.346	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.322
Steele City	MT	Dawson	180.938	181.573	0.635	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.571
Steele City	MT	Dawson	181.573	181.584	0.012	MT021	Kremlin loam, 4 to 8 percent slopes	0.000
Steele City	MT	Dawson	181.584	182.056	0.472	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.425
Steele City	MT	Dawson	182.056	182.175	0.119	MT021	Kremlin loam, 4 to 8 percent slopes	0.002
Steele City	MT	Dawson	182.175	182.212	0.037	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.011
Steele City	MT	Dawson	182.212	182.342	0.129	MT021	Kremlin loam, 4 to 8 percent slopes	0.003
Steele City	MT	Dawson	182.342	183.606	1.265	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.379
Steele City	MT	Dawson	183.606	183.706	0.099	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.052
Steele City	MT	Dawson	183.706	183.734	0.028	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.008
Steele City	MT	Dawson	183.734	183.873	0.139	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.072
Steele City	MT	Dawson	183.873	183.996	0.123	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.037
Steele City	MT	Dawson	183.996	184.067	0.071	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.037
Steele City	MT	Dawson	184.067	184.505	0.438	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.131
Steele City	MT	Dawson	184.505	184.639	0.134	MT021	Attewan loam, 2 to 4 percent slopes	0.134
Steele City	MT	Dawson	184.639	185.103	0.464	MT021	Attewan, thin solum complex, 4 to 15 percent slopes	0.427
Steele City	MT	Dawson	185.103	185.562	0.459	MT021	Subwell-Bigsheep complex, 4 to 15 percent slopes	0.404
Steele City	MT	Dawson	185.562	185.706	0.144	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	0.136
Steele City	MT	Dawson	185.706	185.828	0.123	MT021	Subwell-Bigsheep complex, 4 to 15 percent slopes	0.108
Steele City	MT	Dawson	185.828	186.005	0.176	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	0.168
Steele City	MT	Dawson	186.005	186.253	0.249	MT021	Kremlin loam, 4 to 8 percent slopes	0.005
Steele City	MT	Dawson	186.253	187.054	0.800	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	0.760
Steele City	MT	Dawson	187.054	187.216	0.163	MT021	Attewan loam, 2 to 4 percent slopes	0.163
Steele City	MT	Dawson	187.216	187.275	0.058	MT021	Subwell-Littlemo loams, 0 to 4 percent slopes	0.055
Steele City	MT	Dawson	187.275	187.341	0.066	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.060
Steele City	MT	Dawson	187.341	187.710	0.369	MT021	Attewan loam, 2 to 4 percent slopes	0.369
Steele City	MT	Dawson	187.710	187.820	0.110	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.099
Steele City	MT	Dawson	187.820	187.864	0.043	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.023
Steele City	MT	Dawson	187.864	188.070	0.206	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	0.200
Steele City	MT	Dawson	188.070	188.198	0.128	MT021	Lonna, Havre, and Glendive soils, 0 to 4 percent slopes, occasionally flooded	0.001
Steele City	MT	Dawson	188.198	188.265	0.067	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	0.065
Steele City	MT	Dawson	188.265	188.340	0.074	MT021	Kremlin loam, 4 to 8 percent slopes	0.001
Steele City	MT	Dawson	188.340	188.449	0.109	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	0.106
Steele City	MT	Dawson	188.449	188.515	0.066	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.035
Steele City	MT	Dawson	188.515	188.843	0.328	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.099
Steele City	MT	Dawson	188.843	189.165	0.322	MT021	Attewan loam, 2 to 4 percent slopes	0.322
Steele City	MT	Dawson	189.165	189.183	0.018	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	0.017
Steele City	MT	Dawson	189.183	189.293	0.110	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.057
Steele City	MT	Dawson	189.293	189.406	0.113	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.034
Steele City	MT	Dawson	189.406	189.461	0.054	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.028
Steele City	MT	Dawson	189.461	189.611	0.150	MT021	Kremlin-Eapa loams, 0 to 4 percent slopes	0.045
Steele City	MT	Dawson	189.611	189.790	0.179	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.093
Steele City	MT	Dawson	189.790	189.832	0.043	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	0.042

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Steele City	MT	Dawson	189.832	189.914	0.081	MT021	Attewan-Attewan, thin solum, loams, 4 to 8 percent slopes	0.042
Steele City	MT	Dawson	189.914	189.944	0.030	MT021	Attewan-Attewan, thin solum, loams, 2 to 4 percent slopes	0.030
Steele City	MT	Dawson	189.944	190.303	0.359	MT021	Attewan loam, 2 to 4 percent slopes	0.359
Steele City	MT	Dawson	190.303	190.862	0.559	MT021	Chinook fine sandy loam, 0 to 4 percent slopes	0.028
Steele City	MT	Dawson	190.862	191.407	0.545	MT021	Kremlin loam, 4 to 8 percent slopes	0.011
Steele City	MT	Dawson	191.407	192.038	0.632	MT021	Attewan loam, 2 to 4 percent slopes	0.632
Steele City	MT	Dawson	192.038	192.651	0.612	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.551
Steele City	MT	Dawson	193.573	193.659	0.085	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.077
Steele City	MT	Dawson	194.552	194.653	0.102	MT021	Lambert gravelly loam, 20 to 40 percent slopes	0.095
Steele City	MT	Dawson	194.653	194.751	0.098	MT021	Terrace escarpments	0.098
Steele City	MT	Dawson	196.052	196.215	0.163	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	0.007
Steele City	MT	Dawson	196.356	196.477	0.121	MT021	Lambert-Dimyaw complex, 15 to 65 percent slopes	0.005
Steele City	MT	Dawson	196.477	196.779	0.302	MT021	Lambert-Rock outcrop, soft complex, 15 to 70 percent slopes	0.003
Steele City	MT	Dawson	196.779	197.009	0.231	MT021	Tinsley-Lambert complex, 15 to 65 percent slopes	0.208
Steele City	MT	Prairie	197.009	197.040	0.030	MT079	Lihen-Tinsley complex, 8 to 35 percent slopes	0.014
Steele City	MT	Prairie	197.040	197.082	0.043	MT079	Lihen loamy sand, 4 to 15 percent slopes	0.002
Steele City	MT	Prairie	197.082	197.147	0.065	MT079	Lihen-Yetull complex, 8 to 35 percent slopes	0.020
Steele City	MT	Prairie	197.147	197.374	0.227	MT079	Lihen loamy sand, 4 to 15 percent slopes	0.011
Steele City	MT	Prairie	197.374	197.536	0.162	MT079	Lihen-Yetull complex, 8 to 35 percent slopes	0.049
Steele City	MT	Prairie	197.536	197.631	0.095	MT079	Degrand loam, 0 to 4 percent slopes	0.081
Steele City	MT	Prairie	197.631	197.648	0.017	MT079	Lihen-Yetull complex, 8 to 35 percent slopes	0.005
Steele City	MT	Prairie	197.648	197.890	0.242	MT079	Degrand loam, 0 to 4 percent slopes	0.205
Steele City	MT	Prairie	197.890	198.046	0.156	MT079	Lihen-Parshall-Yetull complex, 4 to 15 percent slopes	0.039
Steele City	MT	Prairie	198.046	198.134	0.088	MT079	Lihen-Yetull complex, 8 to 35 percent slopes	0.026
Steele City	MT	Prairie	198.134	198.248	0.114	MT079	Lihen-Parshall-Yetull complex, 4 to 15 percent slopes	0.028
Steele City	MT	Prairie	198.248	198.314	0.067	MT079	Degrand loam, 0 to 4 percent slopes	0.057
Steele City	MT	Prairie	198.314	198.353	0.039	MT079	Lihen-Yetull complex, 8 to 35 percent slopes	0.012
Steele City	MT	Prairie	198.353	199.470	1.117	MT079	Degrand loam, 0 to 4 percent slopes	0.949
Steele City	MT	Prairie	199.470	199.606	0.136	MT079	Lihen loamy sand, 4 to 15 percent slopes	0.007
Steele City	MT	Prairie	199.606	199.762	0.156	MT079	Lihen-Tinsley complex, 8 to 35 percent slopes	0.070
Steele City	MT	Prairie	199.999	200.553	0.555	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.011
Steele City	MT	Prairie	200.553	200.586	0.033	MT079	Lihen loamy sand, 4 to 15 percent slopes	0.002
Steele City	MT	Prairie	200.586	200.925	0.339	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.007
Steele City	MT	Prairie	200.950	201.081	0.131	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.003
Steele City	MT	Prairie	201.081	201.254	0.173	MT079	Lihen-Parshall-Yetull complex, 4 to 15 percent slopes	0.043
Steele City	MT	Prairie	201.254	201.339	0.085	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.002
Steele City	MT	Prairie	201.339	201.408	0.069	MT079	Kremlin loam, 0 to 2 percent slopes	0.002
Steele City	MT	Prairie	201.408	201.481	0.074	MT079	Glendive fine sandy loam, 0 to 2 percent slopes	0.002
Steele City	MT	Prairie	201.954	202.306	0.352	MT079	Glendive fine sandy loam, 0 to 2 percent slopes	0.011
Steele City	MT	Prairie	204.076	204.239	0.162	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.003
Steele City	MT	Prairie	204.806	205.075	0.270	MT079	Degrand loam, 0 to 4 percent slopes	0.229
Steele City	MT	Prairie	205.353	205.563	0.211	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.004
Steele City	MT	Prairie	205.563	205.588	0.025	MT079	Parshall fine sandy loam, 2 to 6 percent slopes	0.001
Steele City	MT	Prairie	205.588	205.691	0.103	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.002
Steele City	MT	Prairie	205.927	205.989	0.062	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.001
Steele City	MT	Prairie	205.989	206.210	0.221	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.004
Steele City	MT	Prairie	206.262	206.527	0.264	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.005
Steele City	MT	Prairie	206.595	206.665	0.070	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.001
Steele City	MT	Prairie	207.398	207.679	0.281	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.006
Steele City	MT	Prairie	207.746	207.920	0.174	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.003
Steele City	MT	Prairie	208.377	208.537	0.160	MT079	Chinook-Twilight fine sandy loams, 2 to 8 percent slopes	0.006
Steele City	MT	Prairie	209.892	210.179	0.287	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.066
Steele City	MT	Prairie	210.179	210.475	0.296	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.006
Steele City	MT	Prairie	210.475	210.868	0.393	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.090
Steele City	MT	Prairie	210.924	211.058	0.134	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.031
Steele City	MT	Prairie	211.058	211.135	0.076	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.002
Steele City	MT	Prairie	211.135	211.218	0.083	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.019
Steele City	MT	Prairie	211.218	211.269	0.051	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.001
Steele City	MT	Prairie	211.269	211.345	0.076	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.017
Steele City	MT	Prairie	211.844	212.056	0.212	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.004
Steele City	MT	Prairie	212.265	212.319	0.055	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.001
Steele City	MT	Prairie	212.447	213.050	0.603	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.012
Steele City	MT	Prairie	213.050	213.245	0.195	MT079	Cambeth, calcareous-Cabbart-Kirby complex, 8 to 45 percent slopes	0.045
Steele City	MT	Prairie	213.245	213.621	0.377	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.008
Steele City	MT	Prairie	213.936	213.966	0.029	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.001
Steele City	MT	Prairie	214.217	214.337	0.120	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.002

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Steele City	MT	Prairie	214.382	214.455	0.073	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.001
Steele City	MT	Prairie	214.553	214.744	0.190	MT079	Lonna-Cambeth silt loams, 2 to 8 percent slopes	0.004
Steele City	MT	Prairie	215.007	215.852	0.845	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.017
Steele City	MT	Prairie	216.347	216.468	0.121	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.002
Steele City	MT	Prairie	216.606	217.096	0.490	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.010
Steele City	MT	Prairie	217.908	218.143	0.235	MT079	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	0.005
Steele City	MT	Fallon	219.205	219.885	0.680	MT025	Kremlin loam, 2 to 8 percent slopes	0.041
Steele City	MT	Fallon	225.137	225.204	0.067	MT025	Kremlin loam, 2 to 8 percent slopes	0.004
Steele City	MT	Fallon	226.051	226.173	0.122	MT025	Kremlin loam, 2 to 8 percent slopes	0.007
Steele City	MT	Fallon	226.232	226.281	0.050	MT025	Kremlin loam, 2 to 8 percent slopes	0.003
Steele City	MT	Fallon	228.533	228.585	0.052	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.027
Steele City	MT	Fallon	229.500	229.626	0.127	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.067
Steele City	MT	Fallon	231.798	231.974	0.176	MT025	Kremlin loam, 2 to 8 percent slopes	0.011
Steele City	MT	Fallon	233.896	234.282	0.387	MT025	Kremlin loam, 0 to 2 percent slopes	0.015
Steele City	MT	Fallon	236.722	236.998	0.276	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.003
Steele City	MT	Fallon	236.998	237.231	0.232	MT025	Kremlin loam, 2 to 8 percent slopes	0.014
Steele City	MT	Fallon	237.231	237.419	0.189	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.002
Steele City	MT	Fallon	237.538	237.583	0.044	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.000
Steele City	MT	Fallon	237.594	237.673	0.079	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.001
Steele City	MT	Fallon	238.886	238.995	0.109	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.001
Steele City	MT	Fallon	239.318	239.449	0.131	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.001
Steele City	MT	Fallon	242.978	243.043	0.065	MT025	Neldore-Bascovy clays, 4 to 15 percent slopes	0.031
Steele City	MT	Fallon	243.628	243.893	0.265	MT025	Bascovy clay, 2 to 8 percent slopes	0.008
Steele City	MT	Fallon	247.326	247.402	0.076	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.040
Steele City	MT	Fallon	249.586	249.689	0.103	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.054
Steele City	MT	Fallon	249.712	249.722	0.010	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.005
Steele City	MT	Fallon	249.729	249.729	0.001	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.000
Steele City	MT	Fallon	250.039	250.123	0.083	MT025	Kirby-Cabbart complex, 8 to 25 percent slopes	0.044
Steele City	MT	Fallon	258.141	258.176	0.035	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.000
Steele City	MT	Fallon	262.365	262.711	0.346	MT025	Hanly-Ryell fine sandy loams, 0 to 4 percent slopes	0.121
Steele City	MT	Fallon	264.192	264.270	0.078	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.001
Steele City	MT	Fallon	267.612	267.837	0.225	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.002
Steele City	MT	Fallon	268.158	268.247	0.089	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.001
Steele City	MT	Fallon	271.242	271.681	0.439	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.004
Steele City	MT	Fallon	271.978	272.064	0.086	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.001
Steele City	MT	Fallon	272.537	272.722	0.185	MT025	Chinook sandy loam, 2 to 8 percent slopes	0.002
Steele City	SD	Harding	283.603	283.812	0.209	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.058
Steele City	SD	Harding	284.198	284.589	0.390	SD063	Badlands	0.347
Steele City	SD	Harding	284.944	284.965	0.021	SD063	Cabbart-Delridge loams, 15 to 40 percent slopes	0.001
Steele City	SD	Harding	285.059	285.108	0.049	SD063	Cabbart-Delridge loams, 15 to 40 percent slopes	0.001
Steele City	SD	Harding	286.718	286.876	0.158	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	0.079
Steele City	SD	Harding	286.994	287.083	0.089	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	0.044
Steele City	SD	Harding	287.184	287.279	0.095	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	0.047
Steele City	SD	Harding	287.641	287.711	0.070	SD063	Kirby-Cabbart-Rock outcrop complex, 15 to 60 percent slopes	0.035
Steele City	SD	Harding	289.672	289.923	0.252	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.070
Steele City	SD	Harding	292.093	292.122	0.029	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.008
Steele City	SD	Harding	292.460	292.584	0.123	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.035
Steele City	SD	Harding	293.947	293.964	0.016	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.005
Steele City	SD	Harding	294.010	294.113	0.103	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.029
Steele City	SD	Harding	302.214	302.696	0.482	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.135
Steele City	SD	Harding	303.893	304.121	0.228	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.064
Steele City	SD	Harding	304.431	304.601	0.170	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.012
Steele City	SD	Harding	306.512	306.541	0.028	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.002
Steele City	SD	Harding	308.620	308.670	0.051	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.014
Steele City	SD	Harding	309.420	309.575	0.155	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.043
Steele City	SD	Harding	310.006	310.105	0.100	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.028
Steele City	SD	Harding	310.564	310.601	0.037	SD063	Badlands	0.033
Steele City	SD	Harding	310.838	311.140	0.301	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.084
Steele City	SD	Harding	321.809	321.875	0.066	SD063	Chinook fine sandy loam, 0 to 3 percent slopes	0.003
Steele City	SD	Harding	322.051	322.143	0.092	SD063	Chinook fine sandy loam, 0 to 3 percent slopes	0.004
Steele City	SD	Harding	322.637	322.797	0.160	SD063	Chinook-Archin fine sandy loams, 0 to 3 percent slopes	0.008
Steele City	SD	Harding	322.797	323.017	0.219	SD063	Chinook fine sandy loam, 0 to 3 percent slopes	0.009
Steele City	SD	Harding	323.547	323.740	0.193	SD063	Fleak-Trey-Rock outcrop complex, 15 to 50 percent slopes	0.039
Steele City	SD	Harding	324.028	324.561	0.534	SD063	Fleak-Trey-Rock outcrop complex, 15 to 50 percent slopes	0.107
Steele City	SD	Harding	325.176	325.481	0.305	SD063	Fleak-Trey-Rock outcrop complex, 15 to 50 percent slopes	0.061
Steele City	SD	Harding	326.416	326.663	0.248	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.017
Steele City	SD	Harding	326.875	326.908	0.033	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.002
Steele City	SD	Harding	328.945	329.068	0.123	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.035
Steele City	SD	Harding	329.131	329.207	0.076	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.021
Steele City	SD	Harding	330.854	330.948	0.093	SD063	Cabbart loam, 6 to 60 percent slopes, extremely stony	0.074
Steele City	SD	Harding	334.072	334.170	0.098	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.027
Steele City	SD	Harding	338.405	338.544	0.139	SD063	Cabbart-Delridge loams, 15 to 40 percent slopes	0.004

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Steele City	SD	Harding	339.045	339.251	0.205	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.014
Steele City	SD	Harding	339.710	340.008	0.298	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.021
Steele City	SD	Harding	341.605	341.664	0.059	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.004
Steele City	SD	Harding	343.277	343.690	0.413	SD063	Assinniboine-Archin fine sandy loams, 0 to 3 percent slopes	0.029
Steele City	SD	Harding	345.192	345.338	0.146	SD063	Chinook fine sandy loam, 0 to 3 percent slopes	0.006
Steele City	SD	Harding	347.969	348.051	0.082	SD063	Cabbart-Delridge loams, 15 to 40 percent slopes	0.002
Steele City	SD	Harding	348.051	348.225	0.175	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.049
Steele City	SD	Harding	348.371	348.383	0.012	SD063	Chinook-Archin fine sandy loams, 0 to 3 percent slopes	0.001
Steele City	SD	Harding	348.406	348.459	0.053	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.015
Steele City	SD	Harding	348.459	348.540	0.081	SD063	Chinook-Archin fine sandy loams, 0 to 3 percent slopes	0.004
Steele City	SD	Harding	349.769	349.868	0.098	SD063	Bullock fine sandy loam, 6 to 20 percent slopes, extremely stony	0.084
Steele City	SD	Harding	349.906	349.954	0.048	SD063	Cabbart loam, 6 to 60 percent slopes, extremely stony	0.038
Steele City	SD	Harding	350.538	350.569	0.031	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.009
Steele City	SD	Harding	352.533	352.599	0.066	SD063	Cabbart-Rock outcrop complex, 15 to 40 percent slopes	0.019
Steele City	SD	Butte	354.616	354.759	0.143	SD019	Badland	0.107
Steele City	SD	Butte	354.948	355.240	0.292	SD019	Badland	0.219
Steele City	SD	Butte	357.542	357.607	0.065	SD019	Badland	0.049
Steele City	SD	Perkins	361.834	361.974	0.140	SD105	Shambo loam, channeled	0.010
Steele City	SD	Perkins	363.836	364.060	0.224	SD105	Wabek sandy loam, 9 to 35 percent slopes	0.212
Steele City	SD	Perkins	364.060	364.295	0.235	SD105	Lohler-Trembles complex	0.009
Steele City	SD	Perkins	364.519	364.677	0.159	SD105	Lohler-Trembles complex	0.006
Steele City	SD	Perkins	366.072	366.237	0.165	SD105	Shambo loam	0.148
Steele City	SD	Meade	389.993	390.200	0.207	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.014
Steele City	SD	Meade	390.366	390.400	0.035	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.002
Steele City	SD	Meade	391.970	392.168	0.199	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.014
Steele City	SD	Meade	392.441	392.533	0.092	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.006
Steele City	SD	Meade	392.626	392.664	0.038	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.003
Steele City	SD	Meade	392.784	392.915	0.132	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.009
Steele City	SD	Meade	393.075	393.268	0.193	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.013
Steele City	SD	Meade	395.496	395.661	0.166	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.012
Steele City	SD	Meade	395.750	395.888	0.137	SD601	Blackhall-Twilight fine sandy loams, 9 to 40 percent slopes	0.010
Steele City	SD	Meade	407.840	407.889	0.049	SD601	Nihill-Attewan complex, 4 to 20 percent slopes	0.042
Steele City	SD	Meade	416.478	416.487	0.009	SD601	Samsil clay, 6 to 25 percent slopes	0.000
Steele City	SD	Meade	416.975	417.147	0.172	SD601	Nunn clay loam, 2 to 6 percent slopes	0.146
Steele City	SD	Meade	417.147	417.386	0.240	SD601	Samsil clay, 6 to 25 percent slopes	0.007
Steele City	SD	Meade	417.467	417.650	0.182	SD601	Nunn clay loam, 2 to 6 percent slopes	0.155
Steele City	SD	Meade	417.650	418.021	0.372	SD601	Pierre-Samsil clays, 6 to 15 percent slopes	0.019
Steele City	SD	Meade	418.021	418.123	0.102	SD601	Nunn clay loam, 2 to 6 percent slopes	0.086
Steele City	SD	Meade	418.324	419.074	0.750	SD601	Samsil clay, 6 to 25 percent slopes	0.022
Steele City	SD	Meade	419.117	419.466	0.349	SD601	Samsil clay, 6 to 25 percent slopes	0.010
Steele City	SD	Meade	419.466	419.573	0.107	SD601	Samsil-Rock outcrop complex, 15 to 40 percent slopes	0.043
Steele City	SD	Meade	419.904	420.223	0.320	SD601	Samsil clay, 6 to 25 percent slopes	0.010
Steele City	SD	Meade	420.314	420.494	0.179	SD601	Samsil-Rock outcrop complex, 15 to 40 percent slopes	0.072
Steele City	SD	Meade	420.494	420.739	0.245	SD601	Samsil clay, 6 to 25 percent slopes	0.007
Steele City	SD	Meade	420.739	420.780	0.041	SD601	Samsil-Rock outcrop complex, 15 to 40 percent slopes	0.016
Steele City	SD	Meade	420.780	420.901	0.121	SD601	Samsil clay, 6 to 25 percent slopes	0.004
Steele City	SD	Meade	420.901	420.942	0.042	SD601	Pierre-Samsil clays, 6 to 15 percent slopes	0.002
Steele City	SD	Meade	420.942	421.677	0.734	SD601	Samsil clay, 6 to 25 percent slopes	0.022
Steele City	SD	Meade	421.760	421.852	0.093	SD601	Samsil clay, 6 to 25 percent slopes	0.003
Steele City	SD	Meade	422.267	422.658	0.392	SD601	Samsil clay, 6 to 25 percent slopes	0.012
Steele City	SD	Meade	423.283	423.329	0.046	SD601	Samsil clay, 6 to 25 percent slopes	0.001
Steele City	SD	Meade	423.607	423.667	0.059	SD601	Pierre-Samsil clays, 6 to 15 percent slopes	0.003
Steele City	SD	Meade	424.155	424.431	0.277	SD601	Pierre-Samsil clays, 6 to 15 percent slopes	0.014
Steele City	SD	Meade	425.544	425.597	0.053	SD601	Bankard gravelly loamy sand	0.047
Steele City	SD	Pennington	425.629	425.927	0.299	SD605	Riverwash	0.024
Steele City	SD	Pennington	425.927	425.987	0.059	SD605	Lohmiller silty clay	0.003
Steele City	SD	Haakon	426.056	426.340	0.285	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.020
Steele City	SD	Haakon	426.340	426.443	0.102	SD055	Samsil clay, 25 to 60 percent slopes	0.007
Steele City	SD	Haakon	426.443	426.500	0.057	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.004
Steele City	SD	Haakon	426.500	426.746	0.246	SD055	Samsil clay, 25 to 60 percent slopes	0.017
Steele City	SD	Haakon	426.746	426.819	0.073	SD055	Schamber-Samsil complex, 6 to 60 percent slopes	0.042
Steele City	SD	Haakon	427.701	428.047	0.347	SD055	Ree-Vivian complex, 6 to 15 percent slopes	0.121
Steele City	SD	Haakon	428.092	428.216	0.124	SD055	Schamber-Samsil complex, 6 to 60 percent slopes	0.071
Steele City	SD	Haakon	428.216	428.466	0.251	SD055	Samsil clay, 25 to 60 percent slopes	0.018
Steele City	SD	Haakon	428.466	428.684	0.218	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.015
Steele City	SD	Haakon	428.730	428.735	0.005	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.000
Steele City	SD	Haakon	429.141	429.562	0.421	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.030
Steele City	SD	Haakon	429.562	429.707	0.145	SD055	Samsil-Rock outcrop complex, 15 to 60 percent slopes	0.055
Steele City	SD	Haakon	429.707	429.863	0.155	SD055	Schamber-Samsil complex, 6 to 60 percent slopes	0.088
Steele City	SD	Haakon	431.762	431.951	0.189	SD055	Ree-Canning loams, 6 to 9 percent slopes	0.095
Steele City	SD	Haakon	435.130	435.164	0.034	SD055	Samsil clay, 25 to 60 percent slopes	0.002
Steele City	SD	Haakon	443.694	443.805	0.111	SD055	Pierre-Samsil clays, 15 to 25 percent slopes	0.008

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Steele City	SD	Haakon	460.660	460.708	0.049	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.015
Steele City	SD	Haakon	461.034	461.101	0.067	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.020
Steele City	SD	Haakon	468.461	468.705	0.244	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.073
Steele City	SD	Haakon	471.673	471.851	0.178	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.005
Steele City	SD	Haakon	471.851	471.874	0.023	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.007
Steele City	SD	Haakon	472.257	472.333	0.076	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.023
Steele City	SD	Haakon	472.926	473.050	0.124	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.037
Steele City	SD	Haakon	473.550	473.774	0.224	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.067
Steele City	SD	Haakon	474.150	474.207	0.057	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.017
Steele City	SD	Haakon	474.414	474.677	0.263	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.008
Steele City	SD	Haakon	474.677	474.889	0.212	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.096
Steele City	SD	Haakon	474.889	474.922	0.033	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.001
Steele City	SD	Haakon	474.922	475.420	0.497	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.224
Steele City	SD	Haakon	476.205	476.279	0.074	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.033
Steele City	SD	Haakon	476.421	476.515	0.094	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.042
Steele City	SD	Haakon	476.885	477.028	0.142	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.064
Steele City	SD	Haakon	478.012	478.324	0.312	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.093
Steele City	SD	Haakon	478.324	478.621	0.297	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.089
Steele City	SD	Haakon	479.260	479.554	0.294	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.009
Steele City	SD	Haakon	479.554	479.690	0.137	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.041
Steele City	SD	Haakon	479.690	480.065	0.375	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.112
Steele City	SD	Haakon	480.065	480.275	0.209	SD055	Schamber-Samsil complex, 6 to 60 percent slopes	0.119
Steele City	SD	Haakon	482.009	482.386	0.377	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.011
Steele City	SD	Haakon	482.386	482.486	0.100	SD055	Kirley-Canning complex, 2 to 6 percent slopes	0.045
Steele City	SD	Haakon	482.486	482.604	0.118	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.004
Steele City	SD	Haakon	482.690	482.701	0.011	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000
Steele City	SD	Haakon	482.797	483.033	0.236	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.007
Steele City	SD	Haakon	483.396	483.427	0.030	SD055	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.001
Steele City	SD	Haakon	484.135	484.245	0.110	SD055	Lakoma-Vivian complex, 9 to 25 percent slopes	0.033
Steele City	SD	Haakon	484.353	484.484	0.131	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.039
Steele City	SD	Haakon	484.874	484.931	0.057	SD055	Kirley-Vivian complex, 6 to 15 percent slopes	0.017
Steele City	SD	Jones	484.931	484.953	0.023	SD075	Kirley-Vivian complex, 9 to 25 percent slopes	0.007
Steele City	SD	Jones	485.092	485.132	0.040	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.001
Steele City	SD	Jones	485.208	485.647	0.439	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.022
Steele City	SD	Jones	485.647	485.708	0.061	SD075	Kirley-Vivian complex, 9 to 25 percent slopes	0.018
Steele City	SD	Jones	485.848	485.957	0.109	SD075	Kirley clay loam, 9 to 15 percent slopes	0.002
Steele City	SD	Jones	486.066	486.238	0.172	SD075	Kirley clay loam, 9 to 15 percent slopes	0.003
Steele City	SD	Jones	486.684	486.830	0.146	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.007
Steele City	SD	Jones	487.431	487.592	0.161	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.005
Steele City	SD	Jones	487.592	487.715	0.123	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.006
Steele City	SD	Jones	487.715	488.243	0.527	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.016
Steele City	SD	Jones	488.243	489.163	0.921	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.046
Steele City	SD	Jones	489.293	489.463	0.170	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.008
Steele City	SD	Jones	489.720	489.736	0.016	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.000
Steele City	SD	Jones	489.736	489.935	0.199	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.010
Steele City	SD	Jones	489.935	490.138	0.203	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.006
Steele City	SD	Jones	490.138	490.543	0.405	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.020
Steele City	SD	Jones	491.210	491.220	0.010	SD075	Kirley-Vivian complex, 9 to 25 percent slopes	0.003
Steele City	SD	Jones	491.263	491.457	0.194	SD075	Kirley-Vivian complex, 9 to 25 percent slopes	0.058
Steele City	SD	Jones	491.457	491.847	0.390	SD075	Kirley clay loam, 9 to 15 percent slopes	0.008
Steele City	SD	Jones	492.271	492.364	0.093	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.005
Steele City	SD	Jones	492.364	492.454	0.091	SD075	Lakoma-Vivian complex, 9 to 25 percent slopes	0.027
Steele City	SD	Jones	492.480	493.177	0.697	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.035
Steele City	SD	Jones	493.468	493.589	0.120	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.006
Steele City	SD	Jones	493.850	493.959	0.108	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.005
Steele City	SD	Jones	493.959	493.987	0.028	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.001
Steele City	SD	Jones	493.987	494.156	0.170	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.008
Steele City	SD	Jones	494.420	494.555	0.135	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.007
Steele City	SD	Jones	495.556	496.233	0.677	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.034
Steele City	SD	Jones	496.346	496.668	0.322	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.016
Steele City	SD	Jones	497.274	497.346	0.072	SD075	Kirley clay loam, 9 to 15 percent slopes	0.001
Steele City	SD	Jones	497.346	497.746	0.399	SD075	Kirley-Vivian complex, 9 to 25 percent slopes	0.120
Steele City	SD	Jones	498.290	498.454	0.165	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.008
Steele City	SD	Jones	500.242	500.348	0.106	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.005
Steele City	SD	Jones	500.499	500.939	0.439	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.022
Steele City	SD	Jones	501.614	501.816	0.202	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.010
Steele City	SD	Jones	502.067	502.162	0.095	SD075	Sansarc-Opal clays, 9 to 40 percent slopes	0.002
Steele City	SD	Jones	502.194	502.241	0.046	SD075	Sansarc-Opal clays, 9 to 40 percent slopes	0.001
Steele City	SD	Jones	502.799	503.905	1.106	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.055
Steele City	SD	Jones	504.024	504.880	0.856	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.043
Steele City	SD	Jones	504.953	505.127	0.174	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.009
Steele City	SD	Jones	506.185	506.221	0.036	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.002

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Steele City	SD	Jones	506.245	506.409	0.164	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.008
Steele City	SD	Jones	507.381	507.504	0.124	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.006
Steele City	SD	Jones	507.606	507.649	0.043	SD075	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.001
Steele City	SD	Jones	508.856	509.331	0.476	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.024
Steele City	SD	Jones	510.851	511.965	1.114	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.056
Steele City	SD	Jones	512.915	512.990	0.075	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.004
Steele City	SD	Jones	513.548	513.671	0.124	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.006
Steele City	SD	Jones	514.299	515.328	1.029	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.051
Steele City	SD	Jones	517.277	517.367	0.090	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.004
Steele City	SD	Jones	518.270	518.874	0.604	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.030
Steele City	SD	Jones	518.898	519.378	0.480	SD075	Lakoma silty clay, 6 to 15 percent slopes	0.024
Steele City	SD	Lyman	532.786	532.965	0.179	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.005
Steele City	SD	Lyman	533.041	533.216	0.174	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.005
Steele City	SD	Lyman	533.738	533.863	0.125	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.004
Steele City	SD	Lyman	535.586	535.774	0.188	SD085	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.009
Steele City	SD	Lyman	535.774	535.821	0.047	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.001
Steele City	SD	Lyman	535.821	535.834	0.013	SD085	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.001
Steele City	SD	Lyman	535.834	535.926	0.092	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.003
Steele City	SD	Lyman	535.926	536.025	0.099	SD085	Okaton-Lakoma silty clays, 15 to 40 percent slopes	0.005
Steele City	SD	Lyman	536.025	536.612	0.587	SD085	Sansarc-Opal clays, 9 to 40 percent slopes	0.018
Steele City	SD	Tripp	537.614	537.759	0.145	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.010
Steele City	SD	Tripp	537.759	537.784	0.025	SD123	Westover loam, 9 to 25 percent slopes	0.023
Steele City	SD	Tripp	537.925	538.019	0.094	SD123	Westover loam, 9 to 25 percent slopes	0.088
Steele City	SD	Tripp	538.176	538.211	0.035	SD123	Westover loam, 9 to 25 percent slopes	0.033
Steele City	SD	Tripp	538.767	538.926	0.159	SD123	Westover loam, 9 to 25 percent slopes	0.149
Steele City	SD	Tripp	538.926	538.965	0.039	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.001
Steele City	SD	Tripp	538.965	539.067	0.102	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.007
Steele City	SD	Tripp	539.184	539.990	0.806	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.056
Steele City	SD	Tripp	539.990	540.226	0.236	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.005
Steele City	SD	Tripp	540.226	540.307	0.081	SD123	Schamber-Murdo complex, 15 to 40 percent slopes	0.073
Steele City	SD	Tripp	540.307	540.345	0.038	SD123	Westover loam, 9 to 25 percent slopes	0.036
Steele City	SD	Tripp	541.045	541.091	0.046	SD123	Westover loam, 9 to 25 percent slopes	0.043
Steele City	SD	Tripp	541.091	541.630	0.540	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.011
Steele City	SD	Tripp	541.630	542.136	0.505	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.035
Steele City	SD	Tripp	542.188	542.334	0.146	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.010
Steele City	SD	Tripp	542.397	542.671	0.275	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.019
Steele City	SD	Tripp	543.197	543.460	0.264	SD123	Sansarc-Opal association, 15 to 40 percent slopes	0.018
Steele City	SD	Tripp	543.460	543.916	0.455	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.009
Steele City	SD	Tripp	543.916	544.067	0.151	SD123	Ree loam, 6 to 9 percent slopes	0.005
Steele City	SD	Tripp	544.067	544.211	0.144	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.003
Steele City	SD	Tripp	544.211	544.758	0.547	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.022
Steele City	SD	Tripp	544.758	544.863	0.105	SD123	Ree loam, 6 to 9 percent slopes	0.003
Steele City	SD	Tripp	544.863	544.923	0.060	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.002
Steele City	SD	Tripp	544.923	545.100	0.177	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.004
Steele City	SD	Tripp	545.100	545.209	0.109	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.004
Steele City	SD	Tripp	545.209	546.009	0.799	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.016
Steele City	SD	Tripp	546.049	546.050	0.001	SD123	Okaton-Lakoma association, 15 to 40 percent slopes	0.000
Steele City	SD	Tripp	546.619	546.811	0.191	SD123	Millboro silty clay, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	547.442	547.540	0.098	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	547.646	548.179	0.533	SD123	Millboro silty clay, 3 to 6 percent slopes	0.005
Steele City	SD	Tripp	548.271	548.400	0.129	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	548.634	548.816	0.182	SD123	Reliance silty clay loam, 3 to 6 percent slopes	0.005
Steele City	SD	Tripp	548.816	549.399	0.583	SD123	Reliance silty clay loam, 6 to 9 percent slopes	0.006
Steele City	SD	Tripp	549.399	549.660	0.260	SD123	Reliance silty clay loam, 3 to 6 percent slopes	0.008
Steele City	SD	Tripp	549.807	550.186	0.379	SD123	Reliance silty clay loam, 3 to 6 percent slopes	0.011
Steele City	SD	Tripp	550.288	550.852	0.563	SD123	Reliance silty clay loam, 3 to 6 percent slopes	0.017
Steele City	SD	Tripp	550.852	551.015	0.163	SD123	Millboro silty clay, 6 to 9 percent slopes	0.003
Steele City	SD	Tripp	551.015	551.076	0.062	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	551.512	551.602	0.090	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	551.783	551.962	0.180	SD123	Millboro silty clay, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	552.160	552.404	0.245	SD123	Millboro silty clay, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	552.573	552.629	0.056	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	553.107	554.369	1.262	SD123	Millboro silty clay, 3 to 6 percent slopes	0.013
Steele City	SD	Tripp	554.588	554.649	0.061	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	554.800	554.934	0.134	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.116
Steele City	SD	Tripp	555.024	555.042	0.018	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.015
Steele City	SD	Tripp	555.191	555.320	0.130	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	555.487	556.311	0.825	SD123	Millboro silty clay, 3 to 6 percent slopes	0.008
Steele City	SD	Tripp	557.348	557.662	0.314	SD123	Millboro silty clay, 3 to 6 percent slopes	0.003
Steele City	SD	Tripp	557.721	557.875	0.154	SD123	Millboro silty clay, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	558.300	558.367	0.066	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	560.938	561.033	0.094	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Steele City	SD	Tripp	561.033	561.213	0.180	SD123	Millboro silty clay, 6 to 9 percent slopes	0.004
Steele City	SD	Tripp	561.213	561.424	0.211	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.008
Steele City	SD	Tripp	561.628	561.970	0.342	SD123	Millboro silty clay, 6 to 9 percent slopes	0.007
Steele City	SD	Tripp	562.041	562.503	0.462	SD123	Millboro silty clay, 6 to 9 percent slopes	0.009
Steele City	SD	Tripp	562.624	562.833	0.209	SD123	Millboro silty clay, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	563.649	563.778	0.129	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.005
Steele City	SD	Tripp	563.778	563.879	0.101	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.086
Steele City	SD	Tripp	563.879	563.954	0.075	SD123	Canning loam, 2 to 5 percent slopes	0.067
Steele City	SD	Tripp	563.954	563.962	0.008	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.007
Steele City	SD	Tripp	563.962	563.983	0.021	SD123	Canning loam, 2 to 5 percent slopes	0.019
Steele City	SD	Tripp	563.983	564.051	0.068	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.059
Steele City	SD	Tripp	564.051	564.303	0.252	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.010
Steele City	SD	Tripp	564.535	564.567	0.033	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.001
Steele City	SD	Tripp	564.567	564.619	0.051	SD123	Canning-Murdo loams, 6 to 15 percent slopes	0.044
Steele City	SD	Tripp	564.619	564.759	0.140	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.006
Steele City	SD	Tripp	564.858	565.049	0.191	SD123	Millboro silty clay, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	565.299	565.395	0.096	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	565.452	565.554	0.101	SD123	Millboro silty clay, 3 to 6 percent slopes	0.001
Steele City	SD	Tripp	567.418	567.689	0.271	SD123	Millboro silty clay, 3 to 6 percent slopes	0.003
Steele City	SD	Tripp	567.847	567.860	0.013	SD123	Millboro silty clay, 3 to 6 percent slopes	0.000
Steele City	SD	Tripp	567.930	568.619	0.689	SD123	Lakoma-Okaton silty clays, 9 to 15 percent slopes	0.028
Steele City	SD	Tripp	568.619	568.894	0.274	SD123	Ree loam, 6 to 9 percent slopes	0.008
Steele City	SD	Tripp	568.894	568.913	0.020	SD123	Millboro silty clay, 6 to 9 percent slopes	0.000
Steele City	SD	Tripp	568.913	569.279	0.365	SD123	Ree loam, 6 to 9 percent slopes	0.011
Steele City	SD	Tripp	569.361	569.546	0.185	SD123	Ree loam, 6 to 9 percent slopes	0.006
Steele City	SD	Tripp	569.546	569.647	0.101	SD123	Ree loam, 9 to 15 percent slopes	0.009
Steele City	SD	Tripp	569.647	569.801	0.154	SD123	Ree loam, 6 to 9 percent slopes	0.005
Steele City	SD	Tripp	569.944	570.016	0.073	SD123	Millboro silty clay, 6 to 9 percent slopes	0.001
Steele City	SD	Tripp	570.016	570.101	0.084	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.020
Steele City	SD	Tripp	570.101	570.518	0.418	SD123	Ree loam, 6 to 9 percent slopes	0.013
Steele City	SD	Tripp	570.518	570.641	0.123	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.001
Steele City	SD	Tripp	570.641	570.732	0.092	SD123	Manter fine sandy loam, 0 to 3 percent slopes	0.005
Steele City	SD	Tripp	570.732	570.882	0.150	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.002
Steele City	SD	Tripp	571.197	571.326	0.129	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	571.329	571.390	0.062	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	571.609	572.182	0.573	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.023
Steele City	SD	Tripp	572.241	572.354	0.113	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.005
Steele City	SD	Tripp	572.657	573.083	0.426	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.004
Steele City	SD	Tripp	573.083	573.238	0.155	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.002
Steele City	SD	Tripp	573.837	573.935	0.098	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	574.070	574.175	0.105	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	574.175	574.244	0.069	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.003
Steele City	SD	Tripp	574.315	574.387	0.071	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	574.547	574.613	0.066	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	574.686	575.191	0.505	SD123	Valentine-Longpine complex, 6 to 15 percent slopes	0.111
Steele City	SD	Tripp	575.191	575.195	0.004	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.000
Steele City	SD	Tripp	575.195	575.748	0.553	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.006
Steele City	SD	Tripp	575.748	575.953	0.205	SD123	Ronson-Longpine fine sandy loams, 0 to 6 percent slopes	0.072
Steele City	SD	Tripp	575.953	576.110	0.157	SD123	Valentine-Longpine complex, 6 to 15 percent slopes	0.035
Steele City	SD	Tripp	576.110	576.224	0.114	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	576.778	576.882	0.104	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	576.882	577.017	0.135	SD123	Ronson fine sandy loam, 0 to 4 percent slopes	0.004
Steele City	SD	Tripp	577.017	577.194	0.177	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.009
Steele City	SD	Tripp	577.194	577.287	0.092	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	577.592	577.634	0.041	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.000
Steele City	SD	Tripp	577.634	577.874	0.240	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.012
Steele City	SD	Tripp	577.917	578.044	0.127	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	578.044	578.114	0.070	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	578.114	578.366	0.253	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.013
Steele City	SD	Tripp	578.366	578.417	0.050	SD123	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	0.002
Steele City	SD	Tripp	578.417	578.791	0.375	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.004
Steele City	SD	Tripp	578.884	579.007	0.122	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	579.189	579.335	0.146	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	579.403	579.776	0.372	SD123	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	0.015
Steele City	SD	Tripp	579.776	579.993	0.217	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	580.051	580.294	0.243	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	580.447	580.479	0.032	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.000
Steele City	SD	Tripp	580.479	580.531	0.053	SD123	Longpine-Rock outcrop complex, 15 to 40 percent slopes	0.042
Steele City	SD	Tripp	580.531	580.642	0.111	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	581.237	581.330	0.093	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	581.476	581.853	0.378	SD123	Valentine-Longpine complex, 6 to 15 percent slopes	0.083
Steele City	SD	Tripp	581.853	581.938	0.084	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Steele City	SD	Tripp	581.938	581.982	0.045	SD123	Valentine-Longpine complex, 6 to 15 percent slopes	0.010
Steele City	SD	Tripp	581.982	582.097	0.114	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	582.097	582.215	0.119	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	582.267	582.389	0.122	SD123	Valentine-Longpine complex, 6 to 15 percent slopes	0.027
Steele City	SD	Tripp	582.389	582.600	0.211	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.008
Steele City	SD	Tripp	582.600	582.644	0.044	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.000
Steele City	SD	Tripp	582.681	582.764	0.083	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	582.852	582.960	0.108	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	582.960	583.013	0.054	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.002
Steele City	SD	Tripp	583.013	583.032	0.019	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.000
Steele City	SD	Tripp	583.032	583.108	0.076	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.003
Steele City	SD	Tripp	583.108	583.281	0.173	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.002
Steele City	SD	Tripp	583.281	583.357	0.077	SD123	Valentine-Dunday complex, 3 to 9 percent slopes	0.003
Steele City	SD	Tripp	583.357	583.564	0.207	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.002
Steele City	SD	Tripp	583.850	583.894	0.044	SD123	Ronson fine sandy loam, 0 to 4 percent slopes	0.001
Steele City	SD	Tripp	583.898	584.292	0.394	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.004
Steele City	SD	Tripp	584.411	584.675	0.264	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.003
Steele City	SD	Tripp	584.675	584.854	0.178	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.002
Steele City	SD	Tripp	584.854	584.942	0.089	SD123	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	0.004
Steele City	SD	Tripp	585.017	585.305	0.289	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.003
Steele City	SD	Tripp	585.305	585.308	0.002	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.000
Steele City	SD	Tripp	585.308	585.409	0.101	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.005
Steele City	SD	Tripp	585.409	585.410	0.002	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.000
Steele City	SD	Tripp	585.410	585.543	0.133	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.007
Steele City	SD	Tripp	585.543	585.646	0.103	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.001
Steele City	SD	Tripp	585.853	585.937	0.084	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	586.175	586.380	0.205	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.002
Steele City	SD	Tripp	586.633	587.126	0.492	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.005
Steele City	SD	Tripp	587.126	587.618	0.492	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.025
Steele City	SD	Tripp	587.618	587.717	0.099	SD123	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	0.004
Steele City	SD	Tripp	587.717	588.197	0.480	SD123	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	0.024
Steele City	SD	Tripp	588.197	588.215	0.018	SD123	Doger loamy fine sand, 0 to 6 percent slopes	0.000
Steele City	SD	Tripp	588.331	588.418	0.087	SD123	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	0.001
Steele City	SD	Tripp	588.418	588.626	0.208	SD123	Ronson-Longpine fine sandy loams, 0 to 6 percent slopes	0.073
Steele City	SD	Tripp	588.626	588.750	0.124	SD123	Ronson fine sandy loam, 0 to 4 percent slopes	0.004
Steele City	SD	Tripp	588.750	588.789	0.039	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.009
Steele City	SD	Tripp	588.789	589.051	0.262	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.021
Steele City	SD	Tripp	589.051	589.176	0.125	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.030
Steele City	SD	Tripp	589.176	589.240	0.063	SD123	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	0.003
Steele City	SD	Tripp	589.240	589.336	0.096	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.023
Steele City	SD	Tripp	589.336	589.458	0.122	SD123	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	0.005
Steele City	SD	Tripp	589.458	589.554	0.096	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.023
Steele City	SD	Tripp	589.554	590.019	0.464	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.005
Steele City	SD	Tripp	590.019	590.189	0.171	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.041
Steele City	SD	Tripp	590.189	590.334	0.144	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.001
Steele City	SD	Tripp	590.334	590.495	0.161	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	590.495	590.561	0.066	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.005
Steele City	SD	Tripp	590.561	590.756	0.195	SD123	Manter fine sandy loam, 3 to 9 percent slopes	0.002
Steele City	SD	Tripp	590.756	590.867	0.110	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.009
Steele City	SD	Tripp	590.922	591.106	0.185	SD123	Wewela fine sandy loam, 3 to 6 percent slopes	0.002
Steele City	SD	Tripp	591.487	591.541	0.054	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.004
Steele City	SD	Tripp	591.541	591.728	0.188	SD123	Manter fine sandy loam, 0 to 3 percent slopes	0.009
Steele City	SD	Tripp	591.728	591.847	0.119	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.010
Steele City	SD	Tripp	592.307	592.712	0.406	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.097
Steele City	SD	Tripp	592.712	592.731	0.019	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.001
Steele City	SD	Tripp	592.731	592.799	0.068	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.016
Steele City	SD	Tripp	592.799	592.839	0.040	SD123	Longpine-Rock outcrop complex, 15 to 40 percent slopes	0.032
Steele City	SD	Tripp	592.921	593.009	0.088	SD123	Longpine-Rock outcrop complex, 15 to 40 percent slopes	0.070
Steele City	SD	Tripp	593.113	593.227	0.114	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.009
Steele City	SD	Tripp	593.329	593.451	0.123	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.010
Steele City	SD	Tripp	593.490	593.646	0.156	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.012
Steele City	SD	Tripp	593.646	594.197	0.551	SD123	Anselmo-Longpine fine sandy loams, 10 to 20 percent slopes	0.132
Steele City	SD	Tripp	594.197	594.433	0.236	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.019
Steele City	SD	Tripp	594.533	594.649	0.116	SD123	Manter fine sandy loam, 0 to 3 percent slopes	0.006
Steele City	SD	Tripp	594.655	594.679	0.024	SD123	Manter fine sandy loam, 0 to 3 percent slopes	0.001
Steele City	SD	Tripp	594.679	594.715	0.037	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.003
Steele City	SD	Tripp	595.143	595.286	0.143	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.011
Steele City	SD	Tripp	595.923	596.079	0.156	SD123	Dix soils, 9 to 18 percent slopes	0.140
Steele City	SD	Tripp	596.202	596.232	0.029	SD123	Dix soils, 9 to 18 percent slopes	0.027
Steele City	SD	Tripp	596.490	596.610	0.120	SD123	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	0.010
Steele City	NE	Keyapaha	599.939	600.023	0.084	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.025
Steele City	NE	Keyapaha	600.023	600.473	0.450	NE103	O'Neill fine sandy loam, 0 to 2 percent slopes	0.445

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Steele City	NE	Keyapaha	600.473	600.844	0.371	NE103	O'Neill fine sandy loam, 2 to 6 percent slopes	0.367
Steele City	NE	Keyapaha	600.844	600.925	0.081	NE103	O'Neill fine sandy loam, 0 to 2 percent slopes	0.080
Steele City	NE	Keyapaha	600.925	601.008	0.083	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.025
Steele City	NE	Keyapaha	601.226	601.294	0.067	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.020
Steele City	NE	Keyapaha	601.802	601.873	0.070	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.021
Steele City	NE	Keyapaha	602.288	602.326	0.038	NE103	O'Neill fine sandy loam, 0 to 2 percent slopes	0.037
Steele City	NE	Keyapaha	603.938	603.985	0.047	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.014
Steele City	NE	Keyapaha	604.035	604.067	0.032	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.009
Steele City	NE	Keyapaha	604.316	604.360	0.044	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.013
Steele City	NE	Keyapaha	614.239	614.371	0.132	NE103	Valentine-Wewela loamy fine sands, 3 to 6 percent slopes	0.040
Steele City	NE	Keyapaha	614.588	614.645	0.057	NE103	Valentine-Wewela loamy fine sands, 6 to 30 percent slopes	0.017
Steele City	NE	Keyapaha	614.921	615.000	0.079	NE103	Boel fine sandy loam, 0 to 2 percent slopes	0.012
Steele City	NE	Rock	615.492	615.879	0.387	NE149	O'Neill sandy loam, 0 to 2 percent slopes	0.383
Steele City	NE	Rock	619.918	620.055	0.137	NE149	Simeon-Meadin complex, 0 to 9 percent slopes	0.060
Steele City	NE	Rock	620.055	620.204	0.148	NE149	Meadin sandy loam, 0 to 3 percent slopes	0.148
Steele City	NE	Rock	620.204	620.369	0.165	NE149	Simeon-Meadin complex, 0 to 9 percent slopes	0.073
Steele City	NE	Rock	620.554	620.709	0.155	NE149	Simeon-Meadin complex, 0 to 9 percent slopes	0.068
Steele City	NE	Rock	620.709	620.924	0.216	NE149	Meadin sandy loam, 0 to 3 percent slopes	0.216
Steele City	NE	Rock	620.924	621.270	0.346	NE149	Simeon-Meadin complex, 0 to 9 percent slopes	0.152
Steele City	NE	Rock	621.270	621.455	0.185	NE149	O'Neill sandy loam, 2 to 6 percent slopes	0.185
Steele City	NE	Rock	621.455	621.681	0.226	NE149	Meadin sandy loam, 0 to 3 percent slopes	0.226
Steele City	NE	Rock	621.681	621.880	0.199	NE149	Simeon-Meadin complex, 0 to 9 percent slopes	0.087
Steele City	NE	Holt	628.515	628.538	0.023	NE089	Barney-Boel-Calamus complex, channeled	0.018
Steele City	NE	Holt	628.631	628.667	0.036	NE089	Barney-Boel-Calamus complex, channeled	0.029
Steele City	NE	Holt	629.853	629.944	0.090	NE089	Barney-Boel-Calamus complex, channeled	0.073
Steele City	NE	Holt	630.171	630.207	0.037	NE089	Barney-Boel-Calamus complex, channeled	0.030
Steele City	NE	Holt	630.381	630.430	0.049	NE089	Barney-Boel-Calamus complex, channeled	0.040
Steele City	NE	Holt	636.029	636.077	0.048	NE089	Barney-Boel-Calamus complex, channeled	0.039
Steele City	NE	Holt	646.986	647.274	0.288	NE089	Barney-Boel-Calamus complex, channeled	0.233
Steele City	NE	Holt	653.809	653.877	0.068	NE089	Almeria-Calamus complex, channeled	0.004
Steele City	NE	Nance	739.555	739.701	0.146	NE125	Very sandy alluvial land	0.146
Steele City	NE	Nance	739.865	739.956	0.091	NE125	Riverwash	0.091
Steele City	NE	Nance	739.956	740.317	0.361	NE125	Very sandy alluvial land	0.361
Steele City	NE	Merrick	746.153	746.229	0.076	NE121	Platte-Gothenburg complex, channeled, 0 to 3 percent slopes	0.076
Steele City	NE	Merrick	746.289	746.324	0.035	NE121	Leshara silt loam, 0 to 2 percent slopes	0.035
Steele City	NE	Merrick	746.324	746.689	0.365	NE121	Lockton loam, 0 to 1 percent slopes	0.365
Steele City	NE	Merrick	746.689	746.733	0.044	NE121	Lex clay loam, 0 to 1 percent slopes	0.043
Steele City	NE	Merrick	746.733	746.858	0.125	NE121	Lockton loam, 0 to 1 percent slopes	0.125
Steele City	NE	Merrick	746.858	747.149	0.291	NE121	O'Neill loam, 0 to 1 percent slopes	0.291
Steele City	NE	Merrick	747.337	747.387	0.051	NE121	O'Neill loam, 0 to 1 percent slopes	0.051
Steele City	NE	Merrick	747.565	747.612	0.047	NE121	O'Neill sandy loam, 0 to 2 percent slopes	0.047
Steele City	NE	Merrick	747.737	748.309	0.572	NE121	O'Neill sandy loam, 0 to 2 percent slopes	0.572
Steele City	NE	Merrick	748.411	748.605	0.194	NE121	O'Neill sandy loam, 0 to 2 percent slopes	0.194
Steele City	NE	Merrick	748.907	749.033	0.126	NE121	Gibbon loam, 0 to 2 percent slopes	0.006
Steele City	NE	Merrick	749.380	749.550	0.170	NE121	Gibbon loam, 0 to 2 percent slopes	0.009
Steele City	NE	Merrick	749.647	749.659	0.013	NE121	Gibbon loam, 0 to 2 percent slopes	0.001
Steele City	NE	Merrick	749.771	749.771	0.001	NE121	Gibbon loam, 0 to 2 percent slopes	0.000
Steele City	NE	Merrick	749.971	750.267	0.297	NE121	Gibbon loam, 0 to 2 percent slopes	0.015
Steele City	NE	Merrick	750.267	750.490	0.223	NE121	Lamo clay loam, sandy substratum, 0 to 1 percent slopes	0.221
Steele City	NE	Merrick	750.490	750.610	0.119	NE121	Platte loam, wet, 0 to 1 percent slopes	0.119
Steele City	NE	Merrick	750.610	750.879	0.269	NE121	Alda loam, 0 to 1 percent slopes	0.267
Steele City	NE	Merrick	750.879	750.934	0.055	NE121	Lex clay loam, 0 to 1 percent slopes	0.055
Steele City	NE	Merrick	751.054	751.162	0.109	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.109
Steele City	NE	Merrick	751.162	751.196	0.034	NE121	Platte loam, wet, 0 to 1 percent slopes	0.034
Steele City	NE	Merrick	751.196	751.246	0.050	NE121	Fonner sandy loam, 0 to 2 percent slopes	0.050
Steele City	NE	Merrick	751.246	751.428	0.181	NE121	Platte loam, wet, 0 to 1 percent slopes	0.181
Steele City	NE	Merrick	751.428	751.614	0.186	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.186
Steele City	NE	Merrick	751.705	751.763	0.059	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.059
Steele City	NE	Merrick	751.796	751.937	0.141	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.141
Steele City	NE	Merrick	751.977	752.861	0.884	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.884
Steele City	NE	Merrick	752.861	753.247	0.386	NE121	Lawet variant fine sandy loam, 0 to 1 percent slopes	0.386
Steele City	NE	Merrick	753.247	753.311	0.064	NE121	Leshara silt loam, 0 to 2 percent slopes	0.063
Steele City	NE	Merrick	753.311	753.347	0.037	NE121	Alda sandy loam, 0 to 2 percent slopes	0.036
Steele City	NE	Merrick	753.347	753.608	0.261	NE121	Fonner sandy loam, 0 to 2 percent slopes	0.258
Steele City	NE	Merrick	753.702	753.839	0.137	NE121	Leshara silt loam, 0 to 2 percent slopes	0.135
Steele City	NE	Merrick	753.862	753.951	0.090	NE121	Gibbon loam, 0 to 2 percent slopes	0.004
Steele City	NE	Merrick	753.951	754.415	0.464	NE121	Lamo clay loam, sandy substratum, 0 to 1 percent slopes	0.459
Steele City	NE	Merrick	754.778	754.840	0.062	NE121	Platte-Gothenburg complex, channeled, 0 to 3 percent slopes	0.062
Steele City	NE	Merrick	755.195	755.270	0.075	NE121	Alda sandy loam, 0 to 2 percent slopes	0.074
Steele City	NE	Merrick	755.270	755.310	0.040	NE121	Gothenburg soils, 0 to 3 percent slopes	0.040
Steele City	NE	Merrick	755.423	755.474	0.051	NE121	Gothenburg soils, 0 to 3 percent slopes	0.051
Steele City	NE	Merrick	755.494	755.564	0.070	NE121	Gothenburg soils, 0 to 3 percent slopes	0.070

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Steele City	NE	Merrick	755.577	755.699	0.122	NE121	Gothenburg soils, 0 to 3 percent slopes	0.122
Steele City	NE	Merrick	755.699	755.741	0.042	NE121	Platte loam, 0 to 2 percent slopes	0.042
Steele City	NE	Merrick	755.741	755.780	0.040	NE121	Alda sandy loam, 0 to 2 percent slopes	0.039
Steele City	NE	Merrick	755.836	756.038	0.202	NE121	Alda sandy loam, 0 to 2 percent slopes	0.200
Steele City	NE	Merrick	756.038	756.113	0.075	NE121	Alda loam, 0 to 1 percent slopes	0.074
Steele City	NE	Merrick	756.113	756.157	0.045	NE121	Alda sandy loam, 0 to 2 percent slopes	0.044
Steele City	NE	Merrick	756.157	756.267	0.109	NE121	Barney loam, 0 to 2 percent slopes	0.109
Steele City	NE	Merrick	756.349	756.457	0.108	NE121	Lex loam, 0 to 1 percent slopes	0.107
Steele City	NE	Merrick	756.457	756.680	0.224	NE121	Gothenburg soils, 0 to 3 percent slopes	0.224
Steele City	NE	Merrick	756.856	756.967	0.112	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.112
Steele City	NE	Merrick	756.967	757.073	0.106	NE121	Platte loam, 0 to 2 percent slopes	0.106
Steele City	NE	Merrick	757.073	757.127	0.053	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.053
Steele City	NE	Merrick	757.127	757.183	0.056	NE121	Gothenburg soils, 0 to 3 percent slopes	0.056
Steele City	NE	Merrick	757.183	757.335	0.152	NE121	Barney loam, 0 to 2 percent slopes	0.152
Steele City	NE	Merrick	757.335	757.366	0.031	NE121	Fonner variant loamy sand, 0 to 2 percent slopes	0.031
Steele City	NE	Hamilton	757.399	757.479	0.081	NE081	Platte loam, 0 to 1 percent slopes	0.080
Steele City	NE	Hamilton	757.479	757.557	0.078	NE081	Alda loam, 0 to 2 percent slopes	0.078
Steele City	NE	Saline	814.567	814.605	0.037	NE151	Malmo silty clay loam, 3 to 6 percent slopes, eroded	0.006
Steele City	NE	Saline	815.436	815.547	0.112	NE151	Malmo silty clay loam, 3 to 6 percent slopes, eroded	0.017
Steele City	NE	Jefferson	825.452	825.655	0.204	NE095	Geary and Jansen soils, 5 to 11 percent slopes, severely eroded	0.102
Steele City	NE	Jefferson	825.655	825.714	0.059	NE095	Morrill clay loam, 7 to 11 percent slopes	0.059
Steele City	NE	Jefferson	825.795	825.834	0.039	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.039
Steele City	NE	Jefferson	825.987	826.020	0.034	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.034
Steele City	NE	Jefferson	826.020	826.118	0.097	NE095	Morrill clay loam, 11 to 30 percent slopes	0.097
Steele City	NE	Jefferson	826.969	827.106	0.137	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.137
Steele City	NE	Jefferson	827.106	827.159	0.053	NE095	Morrill clay loam, 11 to 30 percent slopes	0.053
Steele City	NE	Jefferson	827.209	827.332	0.123	NE095	Morrill clay loam, 11 to 30 percent slopes	0.123
Steele City	NE	Jefferson	827.370	827.473	0.103	NE095	Morrill clay loam, 11 to 30 percent slopes	0.103
Steele City	NE	Jefferson	833.839	833.887	0.048	NE095	Morrill clay loam, 3 to 7 percent slopes, eroded	0.048
Steele City	NE	Jefferson	833.887	833.934	0.047	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.047
Steele City	NE	Jefferson	834.875	834.938	0.063	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.063
Steele City	NE	Jefferson	834.994	835.125	0.131	NE095	Morrill soils, 3 to 11 percent slopes, severely eroded	0.131
Steele City	NE	Jefferson	842.487	842.663	0.176	NE095	Morrill clay loam, 11 to 30 percent slopes	0.176
Steele City	NE	Jefferson	847.325	847.488	0.163	NE095	Morrill clay loam, 11 to 30 percent slopes	0.163
Steele City	NE	Jefferson	847.577	847.648	0.071	NE095	Morrill clay loam, 11 to 30 percent slopes	0.071
Steele City	NE	Jefferson	848.649	848.659	0.010	NE095	Rough stony land	0.010
Steele City	NE	Jefferson	848.745	848.844	0.100	NE095	Rough stony land	0.100
Steele City	NE	Jefferson	849.222	849.351	0.129	NE095	Rough stony land	0.129
Steele City	NE	Jefferson	849.425	849.506	0.081	NE095	Rough stony land	0.081
Steele City	NE	Jefferson	850.215	850.289	0.074	NE095	Geary and Jansen soils, 5 to 11 percent slopes, severely eroded	0.037
Steele City	NE	Jefferson	850.289	850.545	0.255	NE095	Geary and Jansen soils, 5 to 11 percent slopes	0.128
Steele City	NE	Jefferson	850.655	850.681	0.027	NE095	Geary and Jansen soils, 5 to 11 percent slopes	0.013
GULF COAST SEGMENT								
Gulf Coast	OK	Lincoln	0.038	0.098	0.0590	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.001
Gulf Coast	OK	Lincoln	0.098	0.231	0.1333	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.040
Gulf Coast	OK	Lincoln	0.231	0.416	0.1854	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.004
Gulf Coast	OK	Lincoln	0.476	0.633	0.1575	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.094
Gulf Coast	OK	Lincoln	0.930	1.015	0.0843	OK081	Teller loam, 3 to 5 percent slopes, eroded	0.004
Gulf Coast	OK	Lincoln	1.039	1.115	0.0758	OK081	Teller loam, 3 to 5 percent slopes, eroded	0.004
Gulf Coast	OK	Lincoln	1.422	1.730	0.3084	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.093
Gulf Coast	OK	Lincoln	1.730	1.866	0.1363	OK081	Stephenville fine sandy loam, 1 to 3 percent slopes	0.123
Gulf Coast	OK	Lincoln	1.866	2.026	0.1600	OK081	Renthin silty clay loam, 3 to 5 percent slopes, eroded	0.144
Gulf Coast	OK	Lincoln	2.026	2.214	0.1875	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.112
Gulf Coast	OK	Lincoln	2.214	2.431	0.2174	OK081	Zaneis loam, 3 to 5 percent slopes	0.207
Gulf Coast	OK	Lincoln	2.585	2.648	0.0631	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.021
Gulf Coast	OK	Lincoln	2.648	2.735	0.0864	OK081	Stephenville fine sandy loam, 3 to 5 percent slopes	0.078
Gulf Coast	OK	Lincoln	2.735	2.853	0.1187	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.071
Gulf Coast	OK	Lincoln	2.986	3.036	0.0498	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.001
Gulf Coast	OK	Lincoln	3.036	3.154	0.1176	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.071
Gulf Coast	OK	Lincoln	3.154	3.262	0.1086	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.033
Gulf Coast	OK	Lincoln	3.712	3.742	0.0298	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.010
Gulf Coast	OK	Lincoln	3.742	3.970	0.2274	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.068
Gulf Coast	OK	Lincoln	3.970	4.103	0.1336	OK081	Coyle loam, 3 to 5 percent slopes	0.134
Gulf Coast	OK	Lincoln	4.103	4.552	0.4487	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.135
Gulf Coast	OK	Lincoln	4.552	4.630	0.0785	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.026
Gulf Coast	OK	Lincoln	4.630	5.064	0.4333	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.130
Gulf Coast	OK	Lincoln	5.064	5.130	0.0667	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.022
Gulf Coast	OK	Lincoln	5.130	5.131	0.0005	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.000
Gulf Coast	OK	Lincoln	5.131	5.366	0.2346	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.141
Gulf Coast	OK	Lincoln	5.452	5.494	0.0426	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.013
Gulf Coast	OK	Lincoln	5.648	5.761	0.1132	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.034
Gulf Coast	OK	Lincoln	5.816	5.855	0.0386	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.012

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Gulf Coast	OK	Lincoln	5.911	6.198	0.2867	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.006
Gulf Coast	OK	Lincoln	6.198	6.482	0.2837	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.170
Gulf Coast	OK	Lincoln	6.482	6.532	0.0508	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.015
Gulf Coast	OK	Lincoln	6.532	6.713	0.1804	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.108
Gulf Coast	OK	Lincoln	6.944	7.674	0.7301	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.219
Gulf Coast	OK	Lincoln	7.674	7.727	0.0526	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.032
Gulf Coast	OK	Lincoln	7.727	7.862	0.1347	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.003
Gulf Coast	OK	Lincoln	7.921	7.951	0.0298	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.009
Gulf Coast	OK	Lincoln	7.951	7.973	0.0219	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.007
Gulf Coast	OK	Lincoln	7.973	8.022	0.0486	OK081	Coyle loam, 3 to 5 percent slopes	0.049
Gulf Coast	OK	Lincoln	8.022	8.111	0.0892	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.029
Gulf Coast	OK	Lincoln	8.111	8.222	0.1113	OK081	Coyle loam, 3 to 5 percent slopes	0.111
Gulf Coast	OK	Lincoln	8.222	8.335	0.1125	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.002
Gulf Coast	OK	Lincoln	8.335	8.387	0.0523	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.017
Gulf Coast	OK	Lincoln	8.387	8.456	0.0695	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.001
Gulf Coast	OK	Lincoln	8.456	8.532	0.0751	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.025
Gulf Coast	OK	Lincoln	8.532	8.731	0.1991	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.004
Gulf Coast	OK	Lincoln	8.731	8.795	0.0647	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.039
Gulf Coast	OK	Lincoln	8.892	8.930	0.0379	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.001
Gulf Coast	OK	Lincoln	8.930	9.001	0.0710	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.043
Gulf Coast	OK	Lincoln	9.001	9.037	0.0363	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.001
Gulf Coast	OK	Lincoln	9.037	9.175	0.1379	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.083
Gulf Coast	OK	Lincoln	9.175	9.370	0.1956	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.117
Gulf Coast	OK	Lincoln	9.370	9.452	0.0816	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.024
Gulf Coast	OK	Lincoln	9.452	9.469	0.0172	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.010
Gulf Coast	OK	Lincoln	9.469	9.550	0.0805	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.024
Gulf Coast	OK	Lincoln	9.550	9.748	0.1980	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.004
Gulf Coast	OK	Lincoln	9.748	9.847	0.0994	OK081	Renthin-Grainola complex, 3 to 5 percent slopes, severely eroded	0.089
Gulf Coast	OK	Lincoln	9.847	10.102	0.2549	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.005
Gulf Coast	OK	Lincoln	10.139	10.375	0.2364	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.005
Gulf Coast	OK	Lincoln	10.375	10.477	0.1013	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.061
Gulf Coast	OK	Lincoln	10.477	10.572	0.0951	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.057
Gulf Coast	OK	Lincoln	10.572	10.638	0.0666	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.001
Gulf Coast	OK	Lincoln	10.638	10.753	0.1141	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.068
Gulf Coast	OK	Lincoln	10.753	11.278	0.5250	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.011
Gulf Coast	OK	Lincoln	11.356	11.614	0.2579	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.005
Gulf Coast	OK	Lincoln	11.614	11.651	0.0366	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.022
Gulf Coast	OK	Lincoln	11.693	11.833	0.1400	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.084
Gulf Coast	OK	Lincoln	11.909	11.958	0.0494	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.030
Gulf Coast	OK	Lincoln	12.186	12.640	0.4542	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.273
Gulf Coast	OK	Lincoln	12.640	12.693	0.0530	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.032
Gulf Coast	OK	Lincoln	12.823	12.880	0.0575	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.035
Gulf Coast	OK	Lincoln	13.108	13.325	0.2164	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.130
Gulf Coast	OK	Lincoln	13.325	13.500	0.1749	OK081	Coyle loam, 3 to 5 percent slopes, eroded	0.168
Gulf Coast	OK	Lincoln	13.500	13.513	0.0131	OK081	Stephenville fine sandy loam, 3 to 5 percent slopes	0.012
Gulf Coast	OK	Lincoln	13.579	13.589	0.0100	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.006
Gulf Coast	OK	Lincoln	13.589	13.666	0.0765	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.002
Gulf Coast	OK	Lincoln	13.666	13.901	0.2357	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.141
Gulf Coast	OK	Lincoln	13.901	13.982	0.0809	OK081	Teller loam, 3 to 5 percent slopes	0.006
Gulf Coast	OK	Lincoln	14.211	14.255	0.0438	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.014
Gulf Coast	OK	Lincoln	14.255	14.326	0.0710	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.021
Gulf Coast	OK	Lincoln	14.326	14.406	0.0801	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.026
Gulf Coast	OK	Lincoln	14.406	14.422	0.0163	OK081	Masham-Lucien complex, 5 to 20 percent slopes	0.005
Gulf Coast	OK	Lincoln	14.422	14.498	0.0764	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.025
Gulf Coast	OK	Lincoln	14.498	14.521	0.0225	OK081	Stephenville fine sandy loam, 3 to 5 percent slopes	0.020
Gulf Coast	OK	Lincoln	14.521	14.610	0.0894	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.002
Gulf Coast	OK	Lincoln	14.610	14.648	0.0381	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.013
Gulf Coast	OK	Lincoln	14.648	14.670	0.0221	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.013
Gulf Coast	OK	Lincoln	14.670	14.703	0.0329	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.011
Gulf Coast	OK	Lincoln	14.703	14.856	0.1528	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.092
Gulf Coast	OK	Lincoln	14.856	15.033	0.1772	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.058
Gulf Coast	OK	Lincoln	15.033	15.310	0.2770	OK081	Stephenville fine sandy loam, 3 to 5 percent slopes	0.249
Gulf Coast	OK	Lincoln	15.310	15.411	0.1012	OK081	Darsil-Stephenville complex, 5 to 12 percent slopes	0.033
Gulf Coast	OK	Lincoln	15.411	15.534	0.1228	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.002
Gulf Coast	OK	Lincoln	15.534	15.585	0.0509	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.031
Gulf Coast	OK	Lincoln	15.585	15.690	0.1048	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.063
Gulf Coast	OK	Lincoln	15.690	15.737	0.0470	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.001
Gulf Coast	OK	Lincoln	15.737	15.841	0.1044	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.063
Gulf Coast	OK	Lincoln	15.841	15.934	0.0925	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.002
Gulf Coast	OK	Lincoln	15.934	16.250	0.3161	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.190
Gulf Coast	OK	Lincoln	16.250	16.332	0.0822	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.002
Gulf Coast	OK	Lincoln	16.524	16.545	0.0208	OK081	Stephenville fine sandy loam, 1 to 3 percent slopes	0.019

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Gulf Coast	OK	Lincoln	16.961	16.992	0.0302	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.018
Gulf Coast	OK	Lincoln	16.992	17.079	0.0876	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.002
Gulf Coast	OK	Lincoln	17.079	17.164	0.0844	OK081	Grainola-Ashport complex, 0 to 12 percent slopes	0.051
Gulf Coast	OK	Lincoln	17.164	17.192	0.0287	OK081	Seminole loam, 3 to 5 percent slopes, eroded	0.001
Gulf Coast	OK	Lincoln	17.192	17.314	0.1218	OK081	Coyle and Seminole soils, 3 to 5 percent slopes, severely eroded	0.073
Gulf Coast	OK	Creek	17.996	18.065	0.0696	OK037	Collinsville and Talihina soils, 5 to 12 percent slopes	0.063
Gulf Coast	OK	Creek	18.065	18.299	0.2338	OK037	Coyle fine sandy loam, 3 to 5 percent slopes	0.215
Gulf Coast	OK	Creek	18.299	18.466	0.1672	OK037	Coyle fine sandy loam, 1 to 3 percent slopes	0.150
Gulf Coast	OK	Creek	18.523	18.536	0.0124	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.011
Gulf Coast	OK	Creek	19.078	19.147	0.0686	OK037	Stephenville-Darnell complex, 5 to 8 percent slopes, severely eroded	0.057
Gulf Coast	OK	Creek	19.147	19.231	0.0843	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.076
Gulf Coast	OK	Creek	19.231	19.299	0.0675	OK037	Stephenville-Darnell complex, 5 to 8 percent slopes	0.059
Gulf Coast	OK	Creek	19.678	19.694	0.0163	OK037	Darnell-Niotaze complex, 12 to 20 percent slopes	0.015
Gulf Coast	OK	Creek	19.694	19.719	0.0247	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.022
Gulf Coast	OK	Creek	19.719	19.923	0.2034	OK037	Stephenville-Darnell complex, 3 to 5 percent slopes	0.179
Gulf Coast	OK	Creek	19.923	19.985	0.0625	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.056
Gulf Coast	OK	Creek	19.985	20.017	0.0323	OK037	Stephenville-Darnell complex, 3 to 5 percent slopes	0.028
Gulf Coast	OK	Creek	20.017	20.095	0.0776	OK037	Stephenville-Darnell complex, 5 to 8 percent slopes, severely eroded	0.064
Gulf Coast	OK	Creek	20.156	20.325	0.1689	OK037	Darnell-Niotaze complex, 12 to 20 percent slopes	0.152
Gulf Coast	OK	Creek	20.325	20.445	0.1203	OK037	Collinsville and Talihina soils, 5 to 12 percent slopes	0.108
Gulf Coast	OK	Creek	20.445	20.512	0.0665	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.060
Gulf Coast	OK	Creek	20.512	20.608	0.0967	OK037	Stephenville-Darnell complex, 5 to 8 percent slopes	0.084
Gulf Coast	OK	Creek	20.608	20.849	0.2411	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.217
Gulf Coast	OK	Creek	20.849	21.061	0.2114	OK037	Darnell-Niotaze complex, 12 to 20 percent slopes	0.190
Gulf Coast	OK	Creek	21.061	21.128	0.0668	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.060
Gulf Coast	OK	Creek	21.128	21.208	0.0808	OK037	Darnell-Niotaze complex, 12 to 20 percent slopes	0.073
Gulf Coast	OK	Creek	21.208	21.363	0.1549	OK037	Darnell-Niotaze complex, 5 to 12 percent slopes	0.139
Gulf Coast	OK	Creek	21.363	21.384	0.0203	OK037	Darnell-Niotaze complex, 12 to 20 percent slopes	0.018
Gulf Coast	OK	Okfuskee	23.224	23.593	0.3691	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.185
Gulf Coast	OK	Okfuskee	23.593	23.609	0.0156	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.005
Gulf Coast	OK	Okfuskee	24.784	24.945	0.1611	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.056
Gulf Coast	OK	Okfuskee	24.945	25.105	0.1599	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.080
Gulf Coast	OK	Okfuskee	25.105	25.242	0.1379	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.048
Gulf Coast	OK	Okfuskee	25.242	25.351	0.1086	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.054
Gulf Coast	OK	Okfuskee	25.351	25.485	0.1340	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.047
Gulf Coast	OK	Okfuskee	25.547	25.664	0.1162	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.041
Gulf Coast	OK	Okfuskee	25.664	25.686	0.0224	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.011
Gulf Coast	OK	Okfuskee	25.686	25.955	0.2695	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.094
Gulf Coast	OK	Okfuskee	25.955	26.465	0.5100	OK107	Renfrow silt loam, 3 to 5 percent slopes	0.041
Gulf Coast	OK	Okfuskee	26.465	26.580	0.1141	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.040
Gulf Coast	OK	Okfuskee	26.580	26.968	0.3882	OK107	Darsil-Stephenville complex, 3 to 5 percent slopes	0.175
Gulf Coast	OK	Okfuskee	26.968	27.014	0.0461	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.016
Gulf Coast	OK	Okfuskee	27.014	27.635	0.6209	OK107	Darsil-Stephenville complex, 3 to 5 percent slopes	0.279
Gulf Coast	OK	Okfuskee	27.635	27.651	0.0165	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.008
Gulf Coast	OK	Okfuskee	27.651	27.677	0.0258	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.009
Gulf Coast	OK	Okfuskee	27.677	27.915	0.2378	OK107	Darsil-Stephenville complex, 3 to 5 percent slopes	0.107
Gulf Coast	OK	Okfuskee	27.915	28.160	0.2451	OK107	Masham silty clay loam, 3 to 8 percent slopes	0.012
Gulf Coast	OK	Okfuskee	28.160	28.410	0.2501	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.125
Gulf Coast	OK	Okfuskee	28.592	28.654	0.0617	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.022
Gulf Coast	OK	Okfuskee	28.654	28.742	0.0884	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.044
Gulf Coast	OK	Okfuskee	28.742	28.794	0.0514	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.018
Gulf Coast	OK	Okfuskee	28.928	28.990	0.0624	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.039
Gulf Coast	OK	Okfuskee	28.990	29.056	0.0659	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.023
Gulf Coast	OK	Okfuskee	29.056	29.272	0.2157	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.134
Gulf Coast	OK	Okfuskee	29.272	29.619	0.3479	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.122
Gulf Coast	OK	Okfuskee	29.619	29.873	0.2533	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.157
Gulf Coast	OK	Okfuskee	29.873	30.084	0.2110	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.074
Gulf Coast	OK	Okfuskee	30.084	30.124	0.0403	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.025
Gulf Coast	OK	Okfuskee	30.124	30.268	0.1441	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.050
Gulf Coast	OK	Okfuskee	30.268	30.395	0.1268	OK107	Stephenville-Darsil-Newalla complex, 3 to 5 percent slopes	0.079
Gulf Coast	OK	Okfuskee	30.605	30.674	0.0685	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.034
Gulf Coast	OK	Okfuskee	30.874	31.746	0.8713	OK107	Darsil-Stephenville complex, 3 to 5 percent slopes	0.392
Gulf Coast	OK	Okfuskee	31.746	32.726	0.9808	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.490
Gulf Coast	OK	Okfuskee	32.821	33.008	0.1868	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.093
Gulf Coast	OK	Okfuskee	33.008	33.123	0.1153	OK107	Masham silty clay loam, 3 to 8 percent slopes	0.006
Gulf Coast	OK	Okfuskee	33.123	33.183	0.0601	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.021
Gulf Coast	OK	Okfuskee	33.183	33.473	0.2896	OK107	Chickasha loam, 1 to 3 percent slopes	0.014
Gulf Coast	OK	Okfuskee	33.473	33.633	0.1600	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.056
Gulf Coast	OK	Okfuskee	33.733	33.820	0.0873	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.031
Gulf Coast	OK	Okfuskee	33.820	33.877	0.0570	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.028
Gulf Coast	OK	Okfuskee	33.877	34.010	0.1324	OK107	Darsil-Stephenville complex, 3 to 5 percent slopes	0.060
Gulf Coast	OK	Okfuskee	34.010	34.168	0.1586	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.079

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Gulf Coast	OK	Okfuskee	34.168	34.478	0.3101	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.109
Gulf Coast	OK	Okfuskee	34.478	35.111	0.6326	OK107	Stephenville-Darsil-Gullied land complex, 3 to 8 percent slopes	0.316
Gulf Coast	OK	Okfuskee	35.111	35.451	0.3400	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.119
Gulf Coast	OK	Okfuskee	35.473	36.069	0.5958	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.209
Gulf Coast	OK	Okfuskee	36.069	36.397	0.3276	OK107	Renfrow silt loam, 3 to 5 percent slopes	0.026
Gulf Coast	OK	Okfuskee	37.103	37.550	0.4476	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.157
Gulf Coast	OK	Okfuskee	37.643	37.712	0.0689	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.024
Gulf Coast	OK	Okfuskee	38.199	38.326	0.1271	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.044
Gulf Coast	OK	Okfuskee	38.351	38.373	0.0219	OK107	Darsil-Stephenville complex, 5 to 12 percent slopes	0.008
Gulf Coast	OK	Seminole	38.917	39.167	0.2501	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.250
Gulf Coast	OK	Seminole	39.167	39.302	0.1348	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.135
Gulf Coast	OK	Seminole	39.302	39.314	0.0122	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.012
Gulf Coast	OK	Seminole	39.314	39.383	0.0685	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.068
Gulf Coast	OK	Seminole	39.383	39.416	0.0333	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.033
Gulf Coast	OK	Seminole	39.416	39.549	0.1330	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.120
Gulf Coast	OK	Seminole	39.549	39.651	0.1023	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.102
Gulf Coast	OK	Seminole	39.685	39.727	0.0419	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.042
Gulf Coast	OK	Seminole	40.122	40.248	0.1262	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, severely	0.023
Gulf Coast	OK	Seminole	40.413	40.524	0.1109	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, severely	0.020
Gulf Coast	OK	Seminole	40.561	40.593	0.0312	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.031
Gulf Coast	OK	Seminole	40.892	40.973	0.0805	OK133	Niotaze-Wewoka complex, 3 to 12 percent slopes	0.081
Gulf Coast	OK	Seminole	41.618	41.674	0.0566	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.003
Gulf Coast	OK	Seminole	41.674	41.836	0.1615	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.161
Gulf Coast	OK	Seminole	41.864	41.920	0.0560	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, severely	0.010
Gulf Coast	OK	Seminole	42.340	42.404	0.0640	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.003
Gulf Coast	OK	Seminole	42.481	42.538	0.0566	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.057
Gulf Coast	OK	Seminole	42.538	42.687	0.1491	OK133	Eram-Coweta complex, 5 to 12 percent slopes	0.037
Gulf Coast	OK	Seminole	42.705	42.724	0.0188	OK133	Bates-Coweta complex, 3 to 5 percent slopes	0.019
Gulf Coast	OK	Seminole	42.834	42.882	0.0484	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.048
Gulf Coast	OK	Seminole	42.882	42.965	0.0826	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.004
Gulf Coast	OK	Seminole	42.965	43.042	0.0779	OK133	Stephenville fine sandy loam, 1 to 3 percent slopes	0.078
Gulf Coast	OK	Seminole	43.042	43.221	0.1782	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.178
Gulf Coast	OK	Seminole	43.745	44.054	0.3084	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.278
Gulf Coast	OK	Seminole	44.054	44.143	0.0889	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely eroded	0.085
Gulf Coast	OK	Seminole	44.143	44.229	0.0866	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.078
Gulf Coast	OK	Seminole	44.229	44.482	0.2528	OK133	Stephenville fine sandy loam, 1 to 3 percent slopes	0.253
Gulf Coast	OK	Seminole	44.482	44.725	0.2435	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely eroded	0.234
Gulf Coast	OK	Seminole	44.725	44.729	0.0041	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.004
Gulf Coast	OK	Seminole	44.729	44.743	0.0135	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely eroded	0.013
Gulf Coast	OK	Seminole	44.888	45.163	0.2749	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.247
Gulf Coast	OK	Seminole	45.163	45.365	0.2023	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely eroded	0.194
Gulf Coast	OK	Seminole	45.365	45.533	0.1675	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.151
Gulf Coast	OK	Seminole	45.533	45.933	0.4006	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes, severely eroded	0.385
Gulf Coast	OK	Seminole	45.933	46.253	0.3192	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.287
Gulf Coast	OK	Seminole	46.526	46.608	0.0816	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.004
Gulf Coast	OK	Seminole	47.017	47.101	0.0840	OK133	Bates-Coweta complex, 3 to 5 percent slopes	0.084
Gulf Coast	OK	Seminole	47.101	47.176	0.0749	OK133	Bates loam, 1 to 3 percent slopes	0.060
Gulf Coast	OK	Seminole	47.176	47.414	0.2382	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.012
Gulf Coast	OK	Seminole	47.444	47.465	0.0203	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.001
Gulf Coast	OK	Seminole	47.523	47.624	0.1013	OK133	Bates loam, 3 to 5 percent slopes	0.083
Gulf Coast	OK	Seminole	47.624	47.689	0.0643	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.003
Gulf Coast	OK	Seminole	47.689	47.771	0.0827	OK133	Bates loam, 3 to 5 percent slopes	0.068
Gulf Coast	OK	Seminole	47.771	47.891	0.1200	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.120
Gulf Coast	OK	Seminole	47.891	47.972	0.0804	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.072
Gulf Coast	OK	Seminole	47.972	48.000	0.0282	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.028
Gulf Coast	OK	Seminole	48.281	48.422	0.1402	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, severely	0.025
Gulf Coast	OK	Seminole	48.422	48.629	0.2068	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.207
Gulf Coast	OK	Seminole	48.629	48.815	0.1864	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.168
Gulf Coast	OK	Seminole	48.815	48.872	0.0574	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.057
Gulf Coast	OK	Seminole	48.872	48.912	0.0395	OK133	Eram-Coweta complex, 5 to 12 percent slopes	0.010
Gulf Coast	OK	Seminole	48.912	48.963	0.0509	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, severely	0.009
Gulf Coast	OK	Seminole	48.963	49.018	0.0557	OK133	Bates loam, 1 to 3 percent slopes	0.045
Gulf Coast	OK	Seminole	49.018	49.076	0.0577	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.052
Gulf Coast	OK	Seminole	49.076	49.186	0.1101	OK133	Bates loam, 3 to 5 percent slopes	0.090
Gulf Coast	OK	Seminole	49.267	49.318	0.0509	OK133	Eram-Coweta complex, 5 to 12 percent slopes	0.013
Gulf Coast	OK	Seminole	49.506	49.655	0.1484	OK133	Eram-Coweta complex, 5 to 12 percent slopes	0.037
Gulf Coast	OK	Seminole	49.655	49.658	0.0031	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.003
Gulf Coast	OK	Seminole	49.945	50.045	0.1006	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.005
Gulf Coast	OK	Seminole	50.083	50.138	0.0555	OK133	Bates loam, 3 to 5 percent slopes	0.046
Gulf Coast	OK	Seminole	50.273	50.317	0.0441	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.044
Gulf Coast	OK	Seminole	50.317	50.380	0.0631	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.057
Gulf Coast	OK	Seminole	50.380	50.386	0.0061	OK133	Bates loam, 3 to 5 percent slopes	0.005

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Gulf Coast	OK	Seminole	50.386	50.769	0.3829	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.019
Gulf Coast	OK	Seminole	53.049	53.075	0.0260	OK133	Grainola and Aydelotte soils, 3 to 8 percent slopes, severely eroded	0.012
Gulf Coast	OK	Seminole	53.450	53.489	0.0393	OK133	Bates loam, 1 to 3 percent slopes	0.031
Gulf Coast	OK	Seminole	53.620	53.652	0.0321	OK133	Bates loam, 3 to 5 percent slopes	0.026
Gulf Coast	OK	Seminole	53.692	53.763	0.0706	OK133	Bates loam, 3 to 5 percent slopes	0.058
Gulf Coast	OK	Seminole	54.331	54.535	0.2031	OK133	Bates loam, 1 to 3 percent slopes	0.163
Gulf Coast	OK	Seminole	54.643	54.825	0.1813	OK133	Bates loam, 1 to 3 percent slopes	0.145
Gulf Coast	OK	Seminole	54.873	54.906	0.0324	OK133	Bates loam, 3 to 5 percent slopes	0.027
Gulf Coast	OK	Seminole	54.907	54.985	0.0784	OK133	Bates loam, 3 to 5 percent slopes	0.064
Gulf Coast	OK	Seminole	54.985	55.171	0.1856	OK133	Bates loam, 1 to 3 percent slopes	0.148
Gulf Coast	OK	Seminole	55.171	55.250	0.0793	OK133	Seminole, Chickasha, and Mulhall soils, 3 to 8 percent slopes, severely	0.014
Gulf Coast	OK	Seminole	55.250	55.518	0.2683	OK133	Bates loam, 1 to 3 percent slopes	0.215
Gulf Coast	OK	Seminole	55.518	55.607	0.0893	OK133	Bates-Coweta complex, 3 to 5 percent slopes	0.089
Gulf Coast	OK	Seminole	55.607	55.806	0.1987	OK133	Eram-Coweta complex, 5 to 12 percent slopes	0.050
Gulf Coast	OK	Seminole	56.059	56.106	0.0470	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.002
Gulf Coast	OK	Seminole	56.302	56.379	0.0769	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.004
Gulf Coast	OK	Seminole	56.437	56.658	0.2205	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.011
Gulf Coast	OK	Seminole	56.658	56.860	0.2023	OK133	Bates-Coweta complex, 3 to 5 percent slopes	0.202
Gulf Coast	OK	Seminole	56.860	56.904	0.0437	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.002
Gulf Coast	OK	Seminole	56.904	56.908	0.0049	OK133	Bates-Coweta complex, 3 to 5 percent slopes	0.005
Gulf Coast	OK	Seminole	56.908	57.003	0.0941	OK133	Okemah-Pharoah complex, 0 to 3 percent slopes	0.005
Gulf Coast	OK	Seminole	57.003	57.193	0.1908	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.191
Gulf Coast	OK	Seminole	57.193	57.290	0.0963	OK133	Stephenville fine sandy loam, 1 to 3 percent slopes	0.096
Gulf Coast	OK	Seminole	57.290	57.675	0.3855	OK133	Stephenville fine sandy loam, 3 to 5 percent slopes	0.386
Gulf Coast	OK	Seminole	57.675	57.744	0.0690	OK133	Stephenville fine sandy loam, 1 to 3 percent slopes	0.069
Gulf Coast	OK	Seminole	57.744	57.986	0.2419	OK133	Stephenville-Darnell complex, 5 to 15 percent slopes	0.218
Gulf Coast	OK	Seminole	57.986	58.032	0.0459	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.046
Gulf Coast	OK	Seminole	59.054	59.091	0.0368	OK133	Niotaze-Darnell complex, 8 to 30 percent slopes	0.037
Gulf Coast	OK	Seminole	59.091	59.168	0.0769	OK133	Bates loam, 3 to 5 percent slopes	0.063
Gulf Coast	OK	Hughes	59.168	59.249	0.0812	OK063	Bates fine sandy loam, 3 to 5 percent slopes	0.081
Gulf Coast	OK	Hughes	59.551	59.660	0.1083	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.105
Gulf Coast	OK	Hughes	59.660	59.725	0.0657	OK063	Wann loam, 0 to 1 percent slopes	0.066
Gulf Coast	OK	Hughes	59.843	59.882	0.0390	OK063	Wann loam, 0 to 1 percent slopes	0.039
Gulf Coast	OK	Hughes	59.933	59.954	0.0217	OK063	Wann loam, 0 to 1 percent slopes	0.022
Gulf Coast	OK	Hughes	61.409	61.574	0.1652	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.165
Gulf Coast	OK	Hughes	61.574	61.801	0.2266	OK063	Wann loam, 0 to 1 percent slopes	0.227
Gulf Coast	OK	Hughes	61.801	61.855	0.0536	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.054
Gulf Coast	OK	Hughes	61.855	61.885	0.0305	OK063	Wann loam, 0 to 1 percent slopes	0.030
Gulf Coast	OK	Hughes	61.885	61.949	0.0642	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.064
Gulf Coast	OK	Hughes	61.949	62.216	0.2671	OK063	Wann loam, 0 to 1 percent slopes	0.267
Gulf Coast	OK	Hughes	62.216	62.262	0.0457	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.046
Gulf Coast	OK	Hughes	62.262	62.325	0.0629	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.061
Gulf Coast	OK	Hughes	62.539	62.742	0.2028	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.203
Gulf Coast	OK	Hughes	62.742	62.773	0.0315	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.031
Gulf Coast	OK	Hughes	62.773	62.923	0.1495	OK063	Bates fine sandy loam, 3 to 5 percent slopes	0.150
Gulf Coast	OK	Hughes	63.302	63.327	0.0242	OK063	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.024
Gulf Coast	OK	Hughes	63.327	63.490	0.1633	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.163
Gulf Coast	OK	Hughes	63.490	63.652	0.1621	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.162
Gulf Coast	OK	Hughes	63.652	63.715	0.0626	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.063
Gulf Coast	OK	Hughes	63.715	63.844	0.1294	OK063	Wann loam, 0 to 1 percent slopes	0.129
Gulf Coast	OK	Hughes	63.844	63.946	0.1021	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.102
Gulf Coast	OK	Hughes	64.751	64.894	0.1432	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.143
Gulf Coast	OK	Hughes	64.894	64.992	0.0977	OK063	Wann loam, 0 to 1 percent slopes	0.098
Gulf Coast	OK	Hughes	65.203	65.243	0.0397	OK063	Wann loam, 0 to 1 percent slopes	0.040
Gulf Coast	OK	Hughes	65.347	65.418	0.0706	OK063	Wann loam, 0 to 1 percent slopes	0.071
Gulf Coast	OK	Hughes	65.418	65.465	0.0471	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.047
Gulf Coast	OK	Hughes	65.465	65.560	0.0955	OK063	Wann loam, 0 to 1 percent slopes	0.095
Gulf Coast	OK	Hughes	65.560	65.619	0.0584	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.057
Gulf Coast	OK	Hughes	65.619	65.672	0.0536	OK063	Wann loam, 0 to 1 percent slopes	0.054
Gulf Coast	OK	Hughes	65.978	65.979	0.0015	OK063	Wann loam, 0 to 1 percent slopes	0.001
Gulf Coast	OK	Hughes	67.521	67.574	0.0529	OK063	Wann loam, 0 to 1 percent slopes	0.053
Gulf Coast	OK	Hughes	67.574	67.821	0.2470	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.062
Gulf Coast	OK	Hughes	67.821	67.888	0.0665	OK063	Wann loam, 0 to 1 percent slopes	0.066
Gulf Coast	OK	Hughes	68.477	68.655	0.1782	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.178
Gulf Coast	OK	Hughes	70.569	70.759	0.1901	OK063	Wann loam, 0 to 1 percent slopes	0.190
Gulf Coast	OK	Hughes	70.970	71.077	0.1071	OK063	Wann loam, 0 to 1 percent slopes	0.107
Gulf Coast	OK	Hughes	71.379	71.572	0.1927	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.048
Gulf Coast	OK	Hughes	71.741	71.961	0.2201	OK063	Wann loam, 0 to 1 percent slopes	0.220
Gulf Coast	OK	Hughes	71.961	72.040	0.0786	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.020
Gulf Coast	OK	Hughes	72.040	72.051	0.0109	OK063	Wann loam, 0 to 1 percent slopes	0.011
Gulf Coast	OK	Hughes	72.051	72.162	0.1116	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.028
Gulf Coast	OK	Hughes	72.162	72.224	0.0614	OK063	Wann loam, 0 to 1 percent slopes	0.061

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Gulf Coast	OK	Hughes	72.321	72.430	0.1094	OK063	Wann loam, 0 to 1 percent slopes	0.109
Gulf Coast	OK	Hughes	72.430	72.628	0.1972	OK063	Clearview-Hector complex, 3 to 5 percent slopes, eroded	0.049
Gulf Coast	OK	Hughes	72.628	72.666	0.0386	OK063	Wann loam, 0 to 1 percent slopes	0.039
Gulf Coast	OK	Hughes	72.666	72.857	0.1904	OK063	Clearview-Hector complex, 3 to 5 percent slopes, eroded	0.048
Gulf Coast	OK	Hughes	72.857	72.917	0.0606	OK063	Wann loam, 0 to 1 percent slopes	0.061
Gulf Coast	OK	Hughes	73.933	74.067	0.1340	OK063	Wann loam, 0 to 1 percent slopes	0.134
Gulf Coast	OK	Hughes	75.112	75.145	0.0329	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	0.021
Gulf Coast	OK	Hughes	75.145	75.438	0.2933	OK063	Wann loam, 0 to 1 percent slopes	0.293
Gulf Coast	OK	Hughes	76.182	76.305	0.1229	OK063	Wann loam, 0 to 1 percent slopes	0.123
Gulf Coast	OK	Hughes	77.437	77.537	0.0999	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.100
Gulf Coast	OK	Hughes	77.928	78.153	0.2252	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.225
Gulf Coast	OK	Hughes	78.153	78.259	0.1065	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.107
Gulf Coast	OK	Hughes	78.833	78.933	0.1004	OK063	Bates fine sandy loam, 1 to 3 percent slopes	0.100
Gulf Coast	OK	Hughes	81.435	82.554	1.1193	OK063	Wann loam, 0 to 1 percent slopes	1.119
Gulf Coast	OK	Hughes	82.554	82.801	0.2467	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.062
Gulf Coast	OK	Hughes	82.801	83.199	0.3981	OK063	Wann loam, 0 to 1 percent slopes	0.398
Gulf Coast	OK	Hughes	83.199	83.312	0.1124	OK063	Clearview-Hector complex, 3 to 5 percent slopes, eroded	0.028
Gulf Coast	OK	Hughes	83.312	83.330	0.0189	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.005
Gulf Coast	OK	Hughes	83.330	83.395	0.0644	OK063	Clearview-Hector complex, 3 to 5 percent slopes, eroded	0.016
Gulf Coast	OK	Hughes	83.424	83.673	0.2491	OK063	Clearview-Hector complex, 3 to 5 percent slopes, eroded	0.062
Gulf Coast	OK	Hughes	83.673	83.750	0.0777	OK063	Wann loam, 0 to 1 percent slopes	0.078
Gulf Coast	OK	Hughes	83.750	83.864	0.1133	OK063	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.113
Gulf Coast	OK	Hughes	84.233	84.267	0.0338	OK063	Bates fine sandy loam, 3 to 5 percent slopes	0.034
Gulf Coast	OK	Hughes	84.321	84.369	0.0477	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.046
Gulf Coast	OK	Hughes	84.401	84.580	0.1789	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.174
Gulf Coast	OK	Hughes	84.702	84.853	0.1504	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	0.098
Gulf Coast	OK	Hughes	84.934	84.963	0.0289	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	0.019
Gulf Coast	OK	Hughes	85.071	85.096	0.0253	OK063	Wann loam, 0 to 1 percent slopes	0.025
Gulf Coast	OK	Hughes	85.096	85.135	0.0386	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	0.025
Gulf Coast	OK	Hughes	85.135	85.214	0.0797	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.020
Gulf Coast	OK	Hughes	85.214	85.216	0.0014	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	0.001
Gulf Coast	OK	Hughes	85.216	85.504	0.2888	OK063	Clearview-Hector complex, 3 to 5 percent slopes	0.072
Gulf Coast	OK	Hughes	85.504	85.559	0.0542	OK063	Hector-Endsaw complex, 30 to 45 percent slopes, extremely stony	0.035
Gulf Coast	OK	Hughes	85.559	85.598	0.0396	OK063	Wann loam, 0 to 1 percent slopes	0.040
Gulf Coast	OK	Hughes	85.598	85.638	0.0401	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.040
Gulf Coast	OK	Hughes	85.666	85.777	0.1112	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.108
Gulf Coast	OK	Hughes	85.777	85.782	0.0053	OK063	Wann loam, 0 to 1 percent slopes	0.005
Gulf Coast	OK	Hughes	85.846	85.905	0.0588	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.057
Gulf Coast	OK	Hughes	85.905	85.951	0.0468	OK063	Talihina-Coweta complex, 5 to 20 percent slopes, very stony	0.047
Gulf Coast	OK	Hughes	85.951	86.180	0.2288	OK063	Bates-Coweta complex, 3 to 5 percent slopes	0.222
Gulf Coast	OK	Hughes	86.180	86.329	0.1493	OK063	Bates fine sandy loam, 3 to 5 percent slopes	0.149
Gulf Coast	OK	Hughes	86.329	86.530	0.2009	OK063	Wann loam, 0 to 1 percent slopes	0.201
Gulf Coast	OK	Coal	87.770	87.811	0.0406	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.010
Gulf Coast	OK	Coal	87.848	88.021	0.1729	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.043
Gulf Coast	OK	Coal	88.021	88.301	0.2808	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.056
Gulf Coast	OK	Coal	88.301	89.422	1.1201	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.280
Gulf Coast	OK	Coal	89.422	89.440	0.0190	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.004
Gulf Coast	OK	Coal	89.440	89.735	0.2941	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.074
Gulf Coast	OK	Coal	89.735	89.837	0.1021	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.020
Gulf Coast	OK	Coal	89.837	89.932	0.0958	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.043
Gulf Coast	OK	Coal	90.039	90.082	0.0423	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.011
Gulf Coast	OK	Coal	90.082	90.108	0.0269	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.005
Gulf Coast	OK	Coal	90.108	90.195	0.0867	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.022
Gulf Coast	OK	Coal	90.221	90.364	0.1427	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.036
Gulf Coast	OK	Coal	91.449	91.633	0.1842	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.046
Gulf Coast	OK	Coal	91.752	91.839	0.0875	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.022
Gulf Coast	OK	Coal	91.900	91.976	0.0769	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.019
Gulf Coast	OK	Coal	92.096	92.147	0.0509	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.023
Gulf Coast	OK	Coal	92.394	92.430	0.0361	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.009
Gulf Coast	OK	Coal	92.430	92.481	0.0514	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.010
Gulf Coast	OK	Coal	92.560	92.596	0.0366	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.007
Gulf Coast	OK	Coal	92.596	92.673	0.0767	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.035
Gulf Coast	OK	Coal	92.757	92.788	0.0308	OK029	Bates fine sandy loam, 3 to 5 percent slopes	0.029
Gulf Coast	OK	Coal	92.855	92.949	0.0948	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.043
Gulf Coast	OK	Coal	92.949	93.065	0.1156	OK029	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.110
Gulf Coast	OK	Coal	93.211	93.311	0.1002	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.090
Gulf Coast	OK	Coal	93.311	93.329	0.0184	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.004
Gulf Coast	OK	Coal	93.651	93.771	0.1197	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.054
Gulf Coast	OK	Coal	93.829	93.888	0.0586	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.053
Gulf Coast	OK	Coal	93.888	93.945	0.0572	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.011
Gulf Coast	OK	Coal	93.945	94.109	0.1634	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.041
Gulf Coast	OK	Coal	94.386	94.471	0.0851	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.038

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Gulf Coast	OK	Coal	94.583	94.686	0.1033	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.021
Gulf Coast	OK	Coal	94.785	94.859	0.0737	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.015
Gulf Coast	OK	Coal	94.859	94.909	0.0505	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.013
Gulf Coast	OK	Coal	95.128	95.226	0.0981	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.020
Gulf Coast	OK	Coal	95.226	95.382	0.1566	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.141
Gulf Coast	OK	Coal	95.382	95.464	0.0816	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.037
Gulf Coast	OK	Coal	95.464	95.514	0.0504	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.045
Gulf Coast	OK	Coal	95.514	95.637	0.1231	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.025
Gulf Coast	OK	Coal	95.744	95.948	0.2041	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.041
Gulf Coast	OK	Coal	96.094	96.176	0.0819	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.020
Gulf Coast	OK	Coal	96.176	96.273	0.0968	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.019
Gulf Coast	OK	Coal	96.349	96.411	0.0618	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.056
Gulf Coast	OK	Coal	96.411	96.645	0.2348	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.047
Gulf Coast	OK	Coal	96.819	96.908	0.0897	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.018
Gulf Coast	OK	Coal	97.372	97.472	0.0998	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.090
Gulf Coast	OK	Coal	97.538	97.598	0.0607	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.027
Gulf Coast	OK	Coal	97.637	97.715	0.0783	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.020
Gulf Coast	OK	Coal	97.970	98.023	0.0530	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.011
Gulf Coast	OK	Coal	98.271	98.273	0.0024	OK029	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.002
Gulf Coast	OK	Coal	98.273	98.402	0.1290	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.058
Gulf Coast	OK	Coal	98.603	98.621	0.0183	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.008
Gulf Coast	OK	Coal	98.621	98.702	0.0812	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.016
Gulf Coast	OK	Coal	98.702	98.729	0.0270	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.007
Gulf Coast	OK	Coal	98.729	98.746	0.0170	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.015
Gulf Coast	OK	Coal	98.746	98.879	0.1331	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.033
Gulf Coast	OK	Coal	98.879	98.965	0.0855	OK029	Bates-Coweta complex, 1 to 5 percent slopes	0.077
Gulf Coast	OK	Coal	98.965	99.048	0.0832	OK029	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.079
Gulf Coast	OK	Coal	99.245	99.309	0.0640	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.016
Gulf Coast	OK	Coal	99.877	99.905	0.0281	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.013
Gulf Coast	OK	Coal	99.950	99.996	0.0458	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.021
Gulf Coast	OK	Coal	100.009	100.076	0.0666	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.030
Gulf Coast	OK	Coal	100.076	100.313	0.2371	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.059
Gulf Coast	OK	Coal	100.389	100.589	0.2000	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.050
Gulf Coast	OK	Coal	100.630	100.710	0.0803	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.020
Gulf Coast	OK	Coal	100.964	101.443	0.4792	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.120
Gulf Coast	OK	Coal	101.443	101.528	0.0848	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.017
Gulf Coast	OK	Coal	101.528	101.570	0.0423	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.011
Gulf Coast	OK	Coal	101.906	102.004	0.0973	OK029	Bates fine sandy loam, 3 to 5 percent slopes	0.092
Gulf Coast	OK	Coal	102.025	102.079	0.0544	OK029	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.052
Gulf Coast	OK	Coal	102.079	102.122	0.0429	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.011
Gulf Coast	OK	Coal	102.157	102.559	0.4012	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.100
Gulf Coast	OK	Coal	102.678	102.902	0.2238	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.056
Gulf Coast	OK	Coal	102.902	102.917	0.0146	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.003
Gulf Coast	OK	Coal	102.917	103.038	0.1213	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.055
Gulf Coast	OK	Coal	103.169	103.185	0.0164	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.007
Gulf Coast	OK	Coal	103.311	103.340	0.0293	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.013
Gulf Coast	OK	Coal	103.441	103.594	0.1533	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.069
Gulf Coast	OK	Coal	103.772	104.174	0.4028	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.081
Gulf Coast	OK	Coal	104.388	104.437	0.0490	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.012
Gulf Coast	OK	Coal	104.590	104.981	0.3911	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.098
Gulf Coast	OK	Coal	105.216	105.374	0.1580	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.040
Gulf Coast	OK	Coal	105.586	105.694	0.1083	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.027
Gulf Coast	OK	Coal	106.031	106.059	0.0286	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.006
Gulf Coast	OK	Coal	106.301	106.383	0.0823	OK029	Bates fine sandy loam, 3 to 5 percent slopes	0.078
Gulf Coast	OK	Coal	106.492	106.535	0.0423	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.011
Gulf Coast	OK	Coal	106.535	106.621	0.0861	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.017
Gulf Coast	OK	Coal	106.621	106.654	0.0328	OK029	Bates fine sandy loam, 3 to 5 percent slopes	0.031
Gulf Coast	OK	Coal	107.560	107.602	0.0422	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.011
Gulf Coast	OK	Coal	109.991	110.282	0.2908	OK029	Bates fine sandy loam, 3 to 5 percent slopes	0.276
Gulf Coast	OK	Coal	110.282	110.361	0.0792	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.016
Gulf Coast	OK	Coal	110.361	110.399	0.0383	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.010
Gulf Coast	OK	Coal	110.740	110.776	0.0359	OK029	Homa-Hector complex, 12 to 20 percent slopes	0.009
Gulf Coast	OK	Coal	110.776	110.916	0.1399	OK029	Steedman-Coweta complex, 2 to 20 percent slopes	0.028
Gulf Coast	OK	Coal	111.633	111.686	0.0526	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.024
Gulf Coast	OK	Coal	111.724	111.818	0.0944	OK029	Bates and Dennis soils, 3 to 5 percent slopes, severely eroded	0.042
Gulf Coast	OK	Atoka	113.189	113.409	0.2200	OK005	Bates fine sandy loam, 1 to 3 percent slopes	0.007
Gulf Coast	OK	Atoka	113.891	113.990	0.0984	OK005	Dennis and Eram soils, 3 to 8 percent slopes, severely eroded	0.005
Gulf Coast	OK	Atoka	114.104	114.185	0.0812	OK005	Eram clay loam, 3 to 5 percent slopes	0.004
Gulf Coast	OK	Atoka	114.296	114.351	0.0545	OK005	Eram clay loam, 3 to 5 percent slopes	0.003
Gulf Coast	OK	Atoka	114.351	114.430	0.0797	OK005	Bates-Coweta complex, 3 to 5 percent slopes	0.032
Gulf Coast	OK	Atoka	114.430	114.557	0.1269	OK005	Eram clay loam, 3 to 5 percent slopes	0.006
Gulf Coast	OK	Atoka	115.467	115.712	0.2445	OK005	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.007

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Gulf Coast	OK	Atoka	115.717	115.826	0.1083	OK005	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.003
Gulf Coast	OK	Atoka	115.826	115.832	0.0060	OK005	Eram clay loam, 5 to 8 percent slopes	0.001
Gulf Coast	OK	Atoka	115.832	115.851	0.0194	OK005	Bates fine sandy loam, 3 to 5 percent slopes, eroded	0.001
Gulf Coast	OK	Atoka	115.851	115.959	0.1084	OK005	Eram clay loam, 5 to 8 percent slopes	0.011
Gulf Coast	OK	Atoka	115.959	116.026	0.0661	OK005	Bates-Coweta complex, 3 to 5 percent slopes	0.026
Gulf Coast	OK	Atoka	116.026	116.091	0.0657	OK005	Eram clay loam, 5 to 8 percent slopes	0.007
Gulf Coast	OK	Atoka	116.714	116.772	0.0576	OK005	Eram clay loam, 3 to 5 percent slopes	0.003
Gulf Coast	OK	Atoka	116.820	116.852	0.0322	OK005	Eram clay loam, 3 to 5 percent slopes	0.002
Gulf Coast	OK	Atoka	116.852	116.951	0.0992	OK005	Eram clay loam, 5 to 8 percent slopes	0.010
Gulf Coast	OK	Atoka	117.643	117.736	0.0930	OK005	Dennis and Eram soils, 3 to 8 percent slopes, severely eroded	0.005
Gulf Coast	OK	Atoka	117.797	117.866	0.0689	OK005	Dennis and Eram soils, 3 to 8 percent slopes, severely eroded	0.003
Gulf Coast	OK	Atoka	118.100	118.328	0.2274	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.011
Gulf Coast	OK	Atoka	118.530	118.717	0.1866	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.009
Gulf Coast	OK	Atoka	118.734	118.859	0.1257	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.006
Gulf Coast	OK	Atoka	120.719	120.759	0.0395	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.003
Gulf Coast	OK	Atoka	120.784	120.891	0.1061	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.008
Gulf Coast	OK	Atoka	121.550	121.651	0.1014	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.008
Gulf Coast	OK	Atoka	121.722	122.048	0.3262	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.026
Gulf Coast	OK	Atoka	122.070	122.189	0.1193	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.010
Gulf Coast	OK	Atoka	122.960	123.046	0.0859	OK005	Bernow-Romia complex, 8 to 12 percent slopes	0.021
Gulf Coast	OK	Atoka	123.473	123.587	0.1137	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.008
Gulf Coast	OK	Atoka	124.283	124.333	0.0496	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.003
Gulf Coast	OK	Atoka	124.333	124.469	0.1360	OK005	Bosville fine sandy loam, 3 to 5 percent slopes	0.010
Gulf Coast	OK	Atoka	124.485	124.600	0.1158	OK005	Bosville fine sandy loam, 3 to 5 percent slopes	0.008
Gulf Coast	OK	Atoka	124.600	124.709	0.1086	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.008
Gulf Coast	OK	Atoka	124.709	124.764	0.0549	OK005	Bosville fine sandy loam, 3 to 5 percent slopes	0.004
Gulf Coast	OK	Atoka	124.836	124.943	0.1067	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.007
Gulf Coast	OK	Atoka	128.179	128.204	0.0246	OK005	Bernow-Romia complex, 8 to 12 percent slopes	0.006
Gulf Coast	OK	Atoka	128.882	129.128	0.2461	OK005	Bernow-Romia complex, 8 to 12 percent slopes	0.062
Gulf Coast	OK	Atoka	129.222	129.438	0.2157	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.011
Gulf Coast	OK	Atoka	129.438	129.534	0.0963	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.008
Gulf Coast	OK	Atoka	129.534	129.722	0.1879	OK005	Bernow-Romia complex, 8 to 12 percent slopes	0.047
Gulf Coast	OK	Atoka	129.746	129.785	0.0395	OK005	Bernow-Romia complex, 8 to 12 percent slopes	0.010
Gulf Coast	OK	Atoka	130.003	130.083	0.0795	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.006
Gulf Coast	OK	Atoka	130.083	130.175	0.0924	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.005
Gulf Coast	OK	Atoka	130.175	130.200	0.0244	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.002
Gulf Coast	OK	Atoka	130.200	130.232	0.0324	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.002
Gulf Coast	OK	Atoka	130.232	130.259	0.0270	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.002
Gulf Coast	OK	Atoka	130.259	130.412	0.1533	OK005	Bernow fine sandy loam, 1 to 5 percent slopes, eroded	0.008
Gulf Coast	OK	Atoka	130.412	130.571	0.1585	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.011
Gulf Coast	OK	Atoka	130.665	130.737	0.0712	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.005
Gulf Coast	OK	Atoka	131.207	131.520	0.3135	OK005	Bosville fine sandy loam, 3 to 5 percent slopes	0.022
Gulf Coast	OK	Atoka	131.625	131.735	0.1094	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.008
Gulf Coast	OK	Atoka	132.045	132.283	0.2375	OK005	Bosville fine sandy loam, 5 to 12 percent slopes	0.017
Gulf Coast	OK	Atoka	132.283	132.344	0.0608	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.005
Gulf Coast	OK	Atoka	132.344	132.364	0.0203	OK005	Tarrant cobbly clay, 1 to 8 percent slopes	0.018
Gulf Coast	OK	Atoka	132.364	132.376	0.0122	OK005	Bernow fine sandy loam, 3 to 8 percent slopes, gullied	0.001
Gulf Coast	OK	Atoka	132.539	132.634	0.0955	OK005	Tarrant cobbly clay, 1 to 8 percent slopes	0.086
Gulf Coast	OK	Atoka	132.709	132.730	0.0212	OK005	Tarrant cobbly clay, 1 to 8 percent slopes	0.019
Gulf Coast	OK	Bryan	132.730	132.779	0.0487	OK013	Tarrant cobbly silty clay, 1 to 8 percent slopes	0.046
Gulf Coast	OK	Bryan	132.889	132.988	0.0983	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.049
Gulf Coast	OK	Bryan	132.988	133.029	0.0413	OK013	Heiden stony clay, 3 to 5 percent slopes	0.037
Gulf Coast	OK	Bryan	133.029	133.050	0.0208	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.010
Gulf Coast	OK	Bryan	133.050	133.116	0.0667	OK013	Heiden stony clay, 3 to 5 percent slopes	0.060
Gulf Coast	OK	Bryan	133.449	134.234	0.7850	OK013	Heiden stony clay, 3 to 5 percent slopes	0.706
Gulf Coast	OK	Bryan	134.234	134.287	0.0532	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.027
Gulf Coast	OK	Bryan	134.346	134.403	0.0571	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.029
Gulf Coast	OK	Bryan	134.403	134.630	0.2274	OK013	Heiden stony clay, 3 to 5 percent slopes	0.205
Gulf Coast	OK	Bryan	134.717	134.985	0.2681	OK013	Ferris clay, 1 to 5 percent slopes, eroded	0.027
Gulf Coast	OK	Bryan	134.985	135.035	0.0498	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.025
Gulf Coast	OK	Bryan	135.047	135.081	0.0340	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.017
Gulf Coast	OK	Bryan	135.081	135.191	0.1102	OK013	San Saba-Tarrant complex, 1 to 8 percent slopes	0.044
Gulf Coast	OK	Bryan	135.191	135.284	0.0935	OK013	Ferris clay, 1 to 5 percent slopes, eroded	0.009
Gulf Coast	OK	Bryan	135.589	136.223	0.6346	OK013	Ferris clay, 1 to 5 percent slopes, eroded	0.063
Gulf Coast	OK	Bryan	136.223	136.674	0.4508	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.225
Gulf Coast	OK	Bryan	136.734	136.833	0.0986	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.049
Gulf Coast	OK	Bryan	136.833	136.940	0.1073	OK013	Tarrant cobbly silty clay, 1 to 8 percent slopes	0.102
Gulf Coast	OK	Bryan	136.940	136.973	0.0327	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.016
Gulf Coast	OK	Bryan	136.973	137.051	0.0779	OK013	Tarrant cobbly silty clay, 1 to 8 percent slopes	0.074
Gulf Coast	OK	Bryan	137.197	137.328	0.1309	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.065
Gulf Coast	OK	Bryan	137.451	137.679	0.2284	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.114
Gulf Coast	OK	Bryan	137.772	137.859	0.0862	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.043

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Gulf Coast	OK	Bryan	137.859	137.949	0.0900	OK013	San Saba-Tarrant complex, 1 to 8 percent slopes	0.036
Gulf Coast	OK	Bryan	137.949	138.072	0.1231	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.062
Gulf Coast	OK	Bryan	138.072	138.156	0.0846	OK013	San Saba-Tarrant complex, 1 to 8 percent slopes	0.034
Gulf Coast	OK	Bryan	138.457	138.585	0.1285	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.064
Gulf Coast	OK	Bryan	138.765	138.941	0.1761	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.088
Gulf Coast	OK	Bryan	138.963	139.060	0.0969	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.048
Gulf Coast	OK	Bryan	139.312	139.377	0.0646	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.032
Gulf Coast	OK	Bryan	139.646	139.697	0.0512	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.026
Gulf Coast	OK	Bryan	139.875	139.910	0.0347	OK013	Bernow-Romia complex, 8 to 20 percent slopes	0.010
Gulf Coast	OK	Bryan	139.910	140.042	0.1325	OK013	Bernow-Romia complex, 3 to 8 percent slopes	0.046
Gulf Coast	OK	Bryan	140.722	140.850	0.1279	OK013	Bosville fine sandy loam, 5 to 8 percent slopes	0.006
Gulf Coast	OK	Bryan	142.272	142.712	0.4400	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.220
Gulf Coast	OK	Bryan	143.657	143.736	0.0786	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.039
Gulf Coast	OK	Bryan	143.921	144.011	0.0897	OK013	Ferris-Tarrant complex, 8 to 20 percent slopes	0.045
Gulf Coast	OK	Bryan	144.011	144.084	0.0734	OK013	Matoy silty clay loam, 1 to 3 percent slopes	0.066
Gulf Coast	OK	Bryan	144.575	144.593	0.0179	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.002
Gulf Coast	OK	Bryan	144.689	144.765	0.0762	OK013	Bernow-Romia complex, 3 to 8 percent slopes	0.027
Gulf Coast	OK	Bryan	145.476	145.630	0.1545	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.015
Gulf Coast	OK	Bryan	145.630	145.689	0.0583	OK013	Bernow-Romia complex, 3 to 8 percent slopes	0.020
Gulf Coast	OK	Bryan	145.689	145.774	0.0852	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.009
Gulf Coast	OK	Bryan	145.774	145.833	0.0589	OK013	Bernow-Romia complex, 3 to 8 percent slopes	0.021
Gulf Coast	OK	Bryan	145.865	145.953	0.0889	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.009
Gulf Coast	OK	Bryan	153.373	153.450	0.0772	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.008
Gulf Coast	OK	Bryan	153.638	153.680	0.0423	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.004
Gulf Coast	OK	Bryan	153.979	154.117	0.1378	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.014
Gulf Coast	OK	Bryan	154.265	154.304	0.0399	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.004
Gulf Coast	OK	Bryan	154.467	154.487	0.0200	OK013	Bernow fine sandy loam, 8 to 12 percent slopes	0.002
Gulf Coast	TX	Delta/Lamar	170.633	170.957	0.3240	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	0.292
Gulf Coast	TX	Delta/Lamar	172.542	172.633	0.0915	TX614	Normangee clay loam, 1 to 3 percent slopes	0.082
Gulf Coast	TX	Delta/Lamar	174.493	174.520	0.0273	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	0.025
Gulf Coast	TX	Delta/Lamar	174.520	174.717	0.1968	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	0.177
Gulf Coast	TX	Delta/Lamar	174.938	174.989	0.0508	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	0.046
Gulf Coast	TX	Delta/Lamar	176.073	176.771	0.6978	TX614	Normangee clay loam, 1 to 3 percent slopes	0.628
Gulf Coast	TX	Delta/Lamar	176.838	177.693	0.8550	TX614	Normangee clay loam, 1 to 3 percent slopes	0.770
Gulf Coast	TX	Delta/Lamar	181.822	182.034	0.2126	TX614	Stephen-Eddy complex, 2 to 5 percent slopes	0.072
Gulf Coast	TX	Delta/Lamar	198.015	198.062	0.0465	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	0.042
Gulf Coast	TX	Delta/Lamar	198.141	198.345	0.2034	TX614	Normangee clay loam, 2 to 6 percent slopes, eroded	0.183
Gulf Coast	TX	Hopkins	202.885	202.989	0.1041	TX610	Bazette clay loam, 5 to 12 percent slopes	0.094
Gulf Coast	TX	Hopkins	203.267	203.302	0.0353	TX610	Bazette clay loam, 5 to 12 percent slopes	0.032
Gulf Coast	TX	Hopkins	203.302	203.393	0.0905	TX610	Bazette clay loam, 3 to 5 percent slopes	0.091
Gulf Coast	TX	Hopkins	203.393	203.450	0.0576	TX610	Bazette clay loam, 5 to 12 percent slopes	0.052
Gulf Coast	TX	Hopkins	203.450	203.522	0.0715	TX610	Bazette clay loam, 3 to 5 percent slopes	0.072
Gulf Coast	TX	Hopkins	203.522	203.651	0.1295	TX610	Bazette clay loam, 5 to 12 percent slopes	0.117
Gulf Coast	TX	Hopkins	203.758	203.962	0.2043	TX610	Bazette clay loam, 5 to 12 percent slopes	0.184
Gulf Coast	TX	Hopkins	206.287	206.554	0.2668	TX610	Bazette clay loam, 5 to 12 percent slopes	0.240
Gulf Coast	TX	Franklin	230.637	230.784	0.1462	TX603	Kirvin gravelly fine sandy loam, 3 to 8 percent slopes	0.124
Gulf Coast	TX	Wood	232.799	232.985	0.1857	TX499	Kirvin gravelly fine sandy loam, 3 to 8 percent slopes	0.149
Gulf Coast	TX	Wood	233.641	233.922	0.2810	TX499	Cuthbert gravelly fine sandy loam, 8 to 25 percent slopes	0.225
Gulf Coast	TX	Wood	236.700	236.835	0.1348	TX499	Cuthbert gravelly fine sandy loam, 8 to 25 percent slopes	0.108
Gulf Coast	TX	Wood	237.302	237.360	0.0574	TX499	Kirvin gravelly fine sandy loam, 3 to 8 percent slopes	0.046
Gulf Coast	TX	Wood	240.800	241.224	0.4238	TX499	Bibb fine sandy loam, frequently flooded	0.339
Gulf Coast	TX	Wood	241.538	241.616	0.0774	TX499	Bibb fine sandy loam, frequently flooded	0.062
Gulf Coast	TX	Wood	242.010	242.069	0.0582	TX499	Bibb fine sandy loam, frequently flooded	0.047
Gulf Coast	TX	Wood	243.204	243.273	0.0696	TX499	Bibb fine sandy loam, frequently flooded	0.056
Gulf Coast	TX	Wood	244.184	244.244	0.0593	TX499	Bibb fine sandy loam, frequently flooded	0.047
Gulf Coast	TX	Wood	247.906	247.946	0.0402	TX499	Bibb fine sandy loam, frequently flooded	0.032
Gulf Coast	TX	Wood	249.435	249.516	0.0804	TX499	Kirvin gravelly fine sandy loam, 3 to 8 percent slopes	0.064
Gulf Coast	TX	Wood	252.143	252.188	0.0458	TX499	Redsprings very gravelly fine sandy loam, 8 to 25 percent slopes	0.037
Gulf Coast	TX	Smith	263.902	264.163	0.2604	TX423	Redsprings very gravelly sandy loam, 2 to 5 percent slopes	0.195
Gulf Coast	TX	Smith	264.163	264.255	0.0922	TX423	Redsprings very gravelly sandy loam, 8 to 25 percent sl opes	0.078
Gulf Coast	TX	Smith	264.255	264.292	0.0376	TX423	Redsprings very gravelly sandy loam, 2 to 5 percent slopes	0.028
Gulf Coast	TX	Smith	264.292	264.308	0.0155	TX423	Redsprings very gravelly sandy loam, 8 to 25 percent sl opes	0.013
Gulf Coast	TX	Smith	264.343	264.455	0.1117	TX423	Redsprings very gravelly sandy loam, 8 to 25 percent sl opes	0.095
Gulf Coast	TX	Smith	264.865	265.187	0.3226	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	0.258
Gulf Coast	TX	Smith	265.187	265.303	0.1162	TX423	Redsprings very gravelly sandy loam, 8 to 25 percent sl opes	0.099
Gulf Coast	TX	Smith	265.303	265.343	0.0399	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	0.032
Gulf Coast	TX	Smith	265.343	265.507	0.1640	TX423	Kirvin gravelly fine sandy loam, 2 to 8 percent slopes	0.131
Gulf Coast	TX	Smith	282.089	282.118	0.0293	TX423	Cuthbert and Redsprings soils, graded, 3 to 8 percent slopes	0.026
Gulf Coast	TX	Smith	282.136	282.171	0.0348	TX423	Cuthbert and Redsprings soils, graded, 3 to 8 percent slopes	0.031
Gulf Coast	TX	Smith	282.740	282.818	0.0781	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	0.062
Gulf Coast	TX	Smith	282.818	283.017	0.1988	TX423	Redsprings very gravelly sandy loam, 2 to 5 percent slopes	0.149
Gulf Coast	TX	Smith	283.744	283.788	0.0436	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	0.035

Table K-8 Stony-Rocky Soils Along the Keystone XL Pipeline

Pipeline Segment	State	County	Beginning Milepost	Ending Milepost	Miles	Soil Series	Soil Series Name	Stony-Rocky (miles)
Gulf Coast	TX	Smith	286.602	286.784	0.1821	TX423	Cuthbert gravelly fine sandy loam, 12 to 30 percent slo pes	0.146
Gulf Coast	TX	Cherokee	293.418	293.446	0.0279	TX073	Mantachie fine sandy loam	0.025
Gulf Coast	TX	Cherokee	293.504	293.564	0.0594	TX073	Mantachie fine sandy loam	0.053
Gulf Coast	TX	Cherokee	294.326	294.383	0.0576	TX073	Mantachie fine sandy loam	0.052
Gulf Coast	TX	Cherokee	296.576	296.686	0.1097	TX073	Mantachie fine sandy loam	0.099
Gulf Coast	TX	Cherokee	299.905	300.058	0.1529	TX073	Mantachie fine sandy loam	0.138
Gulf Coast	TX	Rusk	304.433	304.598	0.1646	TX401	Redsprings gravelly fine sandy loam, 15 to 40 percent slopes	0.160
Gulf Coast	TX	Rusk	305.023	305.539	0.5155	TX401	Redsprings gravelly fine sandy loam, 5 to 15 percent slopes	0.490
Gulf Coast	TX	Rusk	305.828	305.904	0.0758	TX401	Redsprings gravelly fine sandy loam, 5 to 15 percent slopes	0.072
Gulf Coast	TX	Nacogdoches	317.021	317.273	0.2515	TX347	Trawick gravelly fine sandy loam, 8 to 20 percent slopes	0.163
Gulf Coast	TX	Nacogdoches	328.558	328.725	0.1669	TX347	Nacogdoches gravelly fine sandy loam, 1 to 8 percent slopes	0.142
Gulf Coast	TX	Nacogdoches	330.756	330.844	0.0879	TX347	Nacogdoches gravelly fine sandy loam, 1 to 8 percent slopes	0.075
Gulf Coast	TX	Angelina	358.717	358.760	0.0429	TX005	Moswell loam, 5 to 15 percent slopes	0.004
Gulf Coast	TX	Angelina	358.960	359.068	0.1089	TX005	Moswell loam, 5 to 15 percent slopes	0.011
Gulf Coast	TX	Polk	392.173	392.378	0.2052	TX617	Pinetucky and Conroe soils, graded	0.051
HOUSTON LATERAL								
No stony-rocky soils were identified on the Houston Lateral								

Table K-9 Locations Potentially Requiring Ripping or Blasting Along the Keystone XL Pipeline

Pipeline Segment	Beginning Milepost	Ending Milepost	Distance Crossed (feet)	Bedrock Type	Hardness	Range of Depth to Top of Layer (inches)	Average Depth to Top of Layer (inches)	Potential Excavation Method
STEELE CITY SEGMENT								
Steele City	10.911	10.975	337	Paralithic bedrock	-------	20 to 40	28	Ripping
Steele City	11.505	12.044	2,846	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	13.023	13.109	454	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	13.513	13.532	102	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	13.650	13.815	871	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	15.332	15.427	500	Paralithic bedrock	-------	20 to 40	28	Ripping
Steele City	16.359	16.540	958	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	18.500	18.533	177	Paralithic bedrock	-------	20 to 40	28	Ripping
Steele City	18.555	18.757	1,062	Paralithic bedrock	-------	20 to 40	28	Ripping
Steele City	19.316	19.650	1,766	Paralithic bedrock	-------	20 to 40	22	Ripping
Steele City	25.997	26.054	299	Paralithic bedrock	-------	10 to 20	16	Ripping
Steele City	26.054	26.116	328	Paralithic bedrock	-------	10 to 20	16	Ripping
Steele City	32.649	32.907	1,363	Paralithic bedrock	-------	20 to 40	23	Ripping
Steele City	34.586	34.635	260	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	34.689	35.167	2,520	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	35.317	35.433	612	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	35.510	35.587	412	Paralithic bedrock	-------	10 to 20	16	Ripping
Steele City	36.069	36.263	1,025	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	38.652	38.754	538	Paralithic bedrock	-------	10 to 20	16	Ripping
Steele City	38.850	39.073	1,179	Paralithic bedrock	-------	10 to 20	16	Ripping
Steele City	39.333	39.599	1,403	Paralithic bedrock	-------	10 to 20	16	Ripping
Steele City	40.079	40.355	1,456	Paralithic bedrock	-------	10 to 20	16	Ripping
Steele City	40.912	41.058	772	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	41.092	41.211	624	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	41.446	41.508	330	Paralithic bedrock	-------	10 to 20	16	Ripping
Steele City	41.508	41.637	680	Paralithic bedrock	-------	10 to 20	16	Ripping
Steele City	42.352	42.437	449	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	42.975	43.156	957	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	44.394	44.475	425	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	44.793	44.840	245	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	45.060	45.197	719	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	45.825	46.136	1,641	Paralithic bedrock	-------	20 to 40	23	Ripping
Steele City	46.172	46.305	706	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	53.474	53.576	536	Paralithic bedrock	-------	20 to 40	23	Ripping
Steele City	55.828	55.993	871	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	56.037	56.137	527	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	57.205	57.270	345	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	57.337	57.402	342	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	70.478	70.568	476	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	70.784	70.862	414	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	75.808	75.875	353	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	75.936	75.986	262	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	76.489	76.514	135	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	77.759	77.837	412	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	77.893	77.922	155	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	78.056	78.287	1,220	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	82.130	82.412	1,491	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	90.046	90.114	360	Paralithic bedrock	-------	10 to 20	16	Ripping
Steele City	90.451	90.830	2,005	Paralithic bedrock	-------	10 to 20	16	Ripping
Steele City	90.883	90.976	491	Paralithic bedrock	-------	10 to 20	16	Ripping
Steele City	92.077	92.255	942	Paralithic bedrock	-------	20 to 40	25	Ripping
Steele City	92.262	92.464	1,065	Paralithic bedrock	-------	20 to 40	25	Ripping
Steele City	105.749	105.883	709	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	106.102	106.248	771	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	106.248	106.486	1,258	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	108.606	108.665	308	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	112.508	112.675	881	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	113.785	113.895	581	Paralithic bedrock	-------	20 to 40	25	Ripping
Steele City	113.895	113.945	266	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	114.002	114.043	219	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	114.043	114.076	174	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	115.629	115.710	427	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	116.099	116.257	835	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	116.491	116.539	257	Paralithic bedrock	-------	20 to 40	30	Ripping
Steele City	116.591	116.624	173	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	116.809	117.024	1,133	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	117.359	117.400	219	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	117.636	117.741	554	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	117.783	117.852	360	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	118.396	118.554	836	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	118.578	118.740	860	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	119.280	119.393	598	Paralithic bedrock	-------	20 to 40	30	Ripping
Steele City	119.593	119.635	223	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	119.635	119.923	1,518	Paralithic bedrock	-------	10 to 20	15	Ripping

Table K-9 Locations Potentially Requiring Ripping or Blasting Along the Keystone XL Pipeline

Pipeline Segment	Beginning Milepost	Ending Milepost	Distance Crossed (feet)	Bedrock Type	Hardness	Range of Depth to Top of Layer (inches)	Average Depth to Top of Layer (inches)	Potential Excavation Method
Steele City	119.923	120.145	1,171	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	120.187	120.323	719	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	120.448	120.576	678	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	120.594	120.666	384	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	120.666	120.707	212	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	120.828	120.890	327	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	121.064	121.085	109	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	123.226	123.304	413	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	123.304	123.575	1,431	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	123.937	124.005	360	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	124.065	124.283	1,151	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	124.720	124.820	528	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	124.975	125.073	518	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	125.513	125.921	2,154	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	126.584	126.777	1,020	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	127.014	127.094	423	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	127.501	127.549	254	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	128.054	128.117	333	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	128.117	128.183	348	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	128.213	128.270	302	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	128.451	128.550	522	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	128.727	128.837	584	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	128.837	128.895	303	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	128.895	128.918	124	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	128.918	128.957	205	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	128.957	129.017	320	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	129.017	129.028	58	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	129.571	129.610	205	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	129.878	130.119	1,271	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	130.790	130.871	430	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	130.979	131.099	634	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	131.198	131.255	303	Paralithic bedrock	-------	10 to 20	13	Ripping
Steele City	131.793	131.873	422	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	131.942	132.044	538	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	132.300	132.345	240	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	132.373	132.477	553	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	132.663	132.756	494	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	133.531	133.588	302	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	133.713	133.771	309	Paralithic bedrock	-------	20 to 40	29	Ripping
Steele City	133.771	134.047	1,457	Paralithic bedrock	-------	20 to 40	29	Ripping
Steele City	134.427	134.673	1,300	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	134.842	134.963	642	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	135.015	135.097	429	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	135.247	135.266	102	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	135.726	135.986	1,371	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	136.458	136.649	1,010	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	136.817	136.953	719	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	137.029	137.204	925	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	137.252	137.384	699	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	137.637	138.155	2,732	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	138.420	138.498	410	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	138.632	138.705	384	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	138.869	139.215	1,829	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	139.404	139.554	794	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	139.554	139.711	831	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	139.759	139.873	601	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	139.948	140.234	1,513	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	140.346	140.407	325	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	140.431	142.206	9,374	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	142.363	142.417	286	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	142.473	143.723	6,596	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	143.889	144.112	1,180	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	144.406	144.464	308	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	144.540	144.685	764	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	144.975	145.049	388	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	145.062	145.192	687	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	145.430	145.582	801	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	145.582	145.677	501	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	145.677	145.825	784	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	145.825	146.020	1,030	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	146.020	146.144	655	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	148.021	148.173	800	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	148.379	148.674	1,555	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	148.815	149.151	1,773	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	149.267	149.355	466	Paralithic bedrock	-------	20 to 40	26	Ripping

Table K-9 Locations Potentially Requiring Ripping or Blasting Along the Keystone XL Pipeline

Pipeline Segment	Beginning Milepost	Ending Milepost	Distance Crossed (feet)	Bedrock Type	Hardness	Range of Depth to Top of Layer (inches)	Average Depth to Top of Layer (inches)	Potential Excavation Method
Steele City	149.550	149.717	878	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	150.453	150.488	182	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	150.856	151.032	930	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	152.397	152.435	197	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	152.488	152.893	2,136	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	153.140	153.196	298	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	153.225	153.278	277	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	153.323	153.348	131	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	153.348	153.683	1,769	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	154.159	154.355	1,032	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	154.499	154.807	1,625	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	154.807	154.971	865	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	154.971	155.088	619	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	155.124	155.631	2,676	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	156.045	156.259	1,130	Paralithic bedrock	-------	20 to 40	25	Ripping
Steele City	156.324	156.348	130	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	156.348	156.424	402	Paralithic bedrock	-------	10 to 20	19	Ripping
Steele City	156.424	156.615	1,005	Paralithic bedrock	-------	20 to 39	24	Ripping
Steele City	156.749	156.878	679	Strongly contrasting textu	-------	20 to 39	28	Ripping
Steele City	156.915	156.973	305	Strongly contrasting textu	-------	20 to 39	28	Ripping
Steele City	157.718	157.968	1,318	Paralithic bedrock	-------	20 to 39	24	Ripping
Steele City	157.968	158.265	1,569	Strongly contrasting textu	-------	20 to 39	28	Ripping
Steele City	158.265	158.524	1,368	Strongly contrasting textu	-------	20 to 39	28	Ripping
Steele City	158.640	158.728	466	Paralithic bedrock	-------	10 to 20	19	Ripping
Steele City	159.027	159.188	850	Paralithic bedrock	-------	20 to 39	24	Ripping
Steele City	159.309	159.650	1,799	Paralithic bedrock	-------	20 to 39	24	Ripping
Steele City	160.208	160.299	483	Paralithic bedrock	-------	10 to 20	19	Ripping
Steele City	160.657	160.976	1,682	Paralithic bedrock	-------	10 to 20	19	Ripping
Steele City	161.627	161.702	399	Paralithic bedrock	-------	10 to 20	19	Ripping
Steele City	161.969	162.057	464	Paralithic bedrock	-------	10 to 20	19	Ripping
Steele City	162.346	162.378	168	Strongly contrasting textu	-------	20 to 39	28	Ripping
Steele City	162.432	162.506	391	Paralithic bedrock	-------	10 to 20	19	Ripping
Steele City	162.666	162.764	518	Paralithic bedrock	-------	10 to 20	19	Ripping
Steele City	162.764	163.085	1,693	Strongly contrasting textu	-------	20 to 39	28	Ripping
Steele City	163.085	163.100	81	Strongly contrasting textu	-------	20 to 39	28	Ripping
Steele City	164.248	164.382	708	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	164.475	164.537	325	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	178.956	179.028	376	Paralithic bedrock	-------	10 to 20	19	Ripping
Steele City	179.055	179.639	3,081	Paralithic bedrock	-------	10 to 20	19	Ripping
Steele City	180.592	180.938	1,828	Paralithic bedrock	-------	10 to 20	19	Ripping
Steele City	183.606	183.706	525	Strongly contrasting textu	-------	20 to 39	28	Ripping
Steele City	183.734	183.873	735	Strongly contrasting textu	-------	20 to 39	28	Ripping
Steele City	183.996	184.067	377	Strongly contrasting textu	-------	20 to 39	28	Ripping
Steele City	184.505	184.639	707	Strongly contrasting textu	-------	20 to 39	28	Ripping
Steele City	187.054	187.216	859	Strongly contrasting textu	-------	20 to 39	28	Ripping
Steele City	187.341	187.710	1,950	Strongly contrasting textu	-------	20 to 39	28	Ripping
Steele City	187.820	188.070	1,320	Strongly contrasting textu	-------	20 to 39	28	Ripping
Steele City	188.198	188.265	356	Strongly contrasting textu	-------	20 to 39	28	Ripping
Steele City	188.340	188.515	926	Strongly contrasting textu	-------	20 to 39	28	Ripping
Steele City	188.843	189.293	2,374	Strongly contrasting textu	-------	20 to 39	28	Ripping
Steele City	189.406	189.461	287	Strongly contrasting textu	-------	20 to 39	28	Ripping
Steele City	189.611	190.303	3,656	Strongly contrasting textu	-------	20 to 39	28	Ripping
Steele City	191.407	192.038	3,335	Strongly contrasting textu	-------	20 to 39	28	Ripping
Steele City	192.651	192.767	611	Paralithic bedrock	-------	10 to 20	19	Ripping
Steele City	192.767	192.844	410	Paralithic bedrock	-------	20 to 39	24	Ripping
Steele City	192.844	192.850	28	Paralithic bedrock	-------	20 to 39	24	Ripping
Steele City	192.850	192.898	257	Paralithic bedrock	-------	20 to 39	24	Ripping
Steele City	192.898	192.945	249	Paralithic bedrock	-------	20 to 39	24	Ripping
Steele City	192.945	193.157	1,118	Paralithic bedrock	-------	20 to 39	24	Ripping
Steele City	193.157	193.206	260	Paralithic bedrock	-------	20 to 39	24	Ripping
Steele City	193.206	193.573	1,940	Paralithic bedrock	-------	20 to 39	24	Ripping
Steele City	194.552	194.653	537	Paralithic bedrock	-------	10 to 20	19	Ripping
Steele City	196.052	196.215	859	Paralithic bedrock	-------	10 to 20	19	Ripping
Steele City	196.356	196.477	639	Paralithic bedrock	-------	10 to 20	19	Ripping
Steele City	197.536	197.631	503	Strongly contrasting textu	-------	20 to 39	32	Ripping
Steele City	197.648	197.890	1,277	Strongly contrasting textu	-------	20 to 39	32	Ripping
Steele City	198.248	198.314	353	Strongly contrasting textu	-------	20 to 39	32	Ripping
Steele City	198.353	199.470	5,896	Strongly contrasting textu	-------	20 to 39	32	Ripping
Steele City	200.925	200.950	131	Paralithic bedrock	-------	10 to 20	14	Ripping
Steele City	204.688	204.806	622	Paralithic bedrock	-------	20 to 40	26	Ripping
Steele City	204.806	205.075	1,423	Strongly contrasting textu	-------	20 to 39	32	Ripping
Steele City	206.665	206.820	822	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	206.820	206.945	656	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	206.945	207.398	2,393	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	208.034	208.158	657	Paralithic bedrock	-------	20 to 39	35	Ripping

Table K-9 Locations Potentially Requiring Ripping or Blasting Along the Keystone XL Pipeline

Pipeline Segment	Beginning Milepost	Ending Milepost	Distance Crossed (feet)	Bedrock Type	Hardness	Range of Depth to Top of Layer (inches)	Average Depth to Top of Layer (inches)	Potential Excavation Method
Steele City	209.069	209.189	631	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	209.189	209.297	571	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	209.297	209.553	1,351	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	209.553	209.892	1,791	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	210.868	210.924	299	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	211.345	211.844	2,638	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	212.056	212.265	1,100	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	212.319	212.447	674	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	213.621	213.936	1,663	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	213.966	214.217	1,328	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	214.337	214.382	241	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	214.455	214.553	519	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	214.907	215.007	529	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	216.148	216.270	645	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	216.468	216.606	731	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	217.096	217.297	1,062	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	217.367	217.635	1,417	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	217.635	217.832	1,037	Paralithic bedrock	-------	20 to 39	35	Ripping
Steele City	218.317	218.403	457	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	218.444	218.596	802	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	219.955	220.041	453	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	220.221	220.663	2,335	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	221.663	221.858	1,030	Paralithic bedrock	-------	20 to 40	38	Ripping
Steele City	221.858	221.971	598	Paralithic bedrock	-------	20 to 40	38	Ripping
Steele City	221.971	222.057	454	Paralithic bedrock	-------	20 to 40	38	Ripping
Steele City	223.318	223.478	848	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	223.522	223.566	235	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	223.732	224.057	1,716	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	224.057	224.148	481	Paralithic bedrock	-------	10 to 20	17	Ripping
Steele City	224.148	224.242	493	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	224.365	224.558	1,018	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	224.558	224.796	1,255	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	224.796	224.856	317	Paralithic bedrock	-------	20 to 40	30	Ripping
Steele City	224.856	224.866	53	Paralithic bedrock	-------	20 to 40	30	Ripping
Steele City	224.939	224.958	97	Paralithic bedrock	-------	20 to 40	30	Ripping
Steele City	226.173	226.232	307	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	226.342	226.440	514	Paralithic bedrock	-------	20 to 40	28	Ripping
Steele City	227.816	227.936	633	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	227.936	227.972	190	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	227.972	228.000	148	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	228.038	228.076	201	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	228.234	228.305	374	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	228.870	228.916	242	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	228.935	229.500	2,981	Paralithic bedrock	-------	10 to 20	17	Ripping
Steele City	229.954	230.155	1,062	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	230.209	230.393	975	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	230.473	230.531	306	Paralithic bedrock	-------	10 to 20	12	Ripping
Steele City	230.601	230.899	1,573	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	230.975	231.393	2,206	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	231.393	231.633	1,265	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	231.633	231.798	873	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	234.832	234.910	410	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	234.979	235.131	806	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	235.476	235.535	316	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	235.637	235.729	490	Paralithic bedrock	-------	20 to 40	38	Ripping
Steele City	235.980	236.089	573	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	236.201	236.260	312	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	237.419	237.489	365	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	238.507	238.585	414	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	239.961	240.193	1,224	Paralithic bedrock	-------	10 to 20	17	Ripping
Steele City	240.260	240.531	1,431	Paralithic bedrock	-------	10 to 20	17	Ripping
Steele City	240.531	240.571	209	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	240.571	240.783	1,119	Paralithic bedrock	-------	20 to 40	33	Ripping
Steele City	240.783	240.831	257	Paralithic bedrock	-------	20 to 40	33	Ripping
Steele City	241.218	241.435	1,141	Paralithic bedrock	-------	10 to 20	17	Ripping
Steele City	241.435	241.450	83	Paralithic bedrock	-------	10 to 20	17	Ripping
Steele City	241.450	241.758	1,624	Paralithic bedrock	-------	10 to 20	17	Ripping
Steele City	241.758	241.933	924	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	242.978	243.043	343	Paralithic bedrock	-------	10 to 20	14	Ripping
Steele City	243.189	243.487	1,571	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	243.576	243.628	272	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	243.628	243.893	1,401	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	244.335	244.662	1,729	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	244.662	244.728	348	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	244.862	245.398	2,831	Paralithic bedrock	-------	20 to 40	35	Ripping

Table K-9 Locations Potentially Requiring Ripping or Blasting Along the Keystone XL Pipeline

Pipeline Segment	Beginning Milepost	Ending Milepost	Distance Crossed (feet)	Bedrock Type	Hardness	Range of Depth to Top of Layer (inches)	Average Depth to Top of Layer (inches)	Potential Excavation Method
Steele City	245.398	245.474	400	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	245.588	245.666	409	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	246.111	246.149	200	Paralithic bedrock	-------	20 to 40	30	Ripping
Steele City	246.160	246.772	3,232	Paralithic bedrock	-------	20 to 40	30	Ripping
Steele City	246.772	247.326	2,924	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	247.402	247.443	216	Paralithic bedrock	-------	20 to 40	38	Ripping
Steele City	247.443	247.667	1,184	Paralithic bedrock	-------	20 to 40	38	Ripping
Steele City	247.667	247.791	650	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	247.791	248.107	1,669	Paralithic bedrock	-------	20 to 40	30	Ripping
Steele City	248.107	248.327	1,163	Paralithic bedrock	-------	20 to 40	30	Ripping
Steele City	248.327	248.405	414	Paralithic bedrock	-------	20 to 40	30	Ripping
Steele City	248.405	248.673	1,416	Paralithic bedrock	-------	20 to 40	30	Ripping
Steele City	248.673	248.800	669	Paralithic bedrock	-------	20 to 40	30	Ripping
Steele City	248.800	249.185	2,034	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	249.185	249.586	2,115	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	249.689	249.712	122	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	249.722	249.729	36	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	249.729	249.896	880	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	250.123	250.227	551	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	250.306	250.401	501	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	250.713	250.820	566	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	250.820	251.051	1,218	Paralithic bedrock	-------	20 to 40	35	Ripping
Steele City	251.051	251.129	415	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	251.129	251.612	2,550	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	251.612	251.671	312	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	251.671	251.755	443	Paralithic bedrock	-------	20 to 40	30	Ripping
Steele City	251.983	252.017	179	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	252.128	252.213	451	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	252.213	252.602	2,055	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	252.602	253.070	2,466	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	253.070	253.118	254	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	253.118	253.303	978	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	253.303	253.344	219	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	253.344	253.465	636	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	253.465	254.648	6,250	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	254.648	254.831	962	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	254.884	255.083	1,051	Paralithic bedrock	-------	0 to 0	0	Ripping
Steele City	255.083	255.160	408	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	255.160	255.191	162	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	255.191	255.334	758	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	255.334	255.466	697	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	255.466	255.622	822	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	259.115	259.321	1,084	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	259.753	259.900	774	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	262.711	262.767	295	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	264.502	264.618	609	Paralithic bedrock	-------	0 to 0	0	Ripping
Steele City	265.019	265.129	583	Paralithic bedrock	-------	0 to 0	0	Ripping
Steele City	269.418	269.518	525	Paralithic bedrock	-------	10 to 20	17	Ripping
Steele City	270.201	270.243	221	Paralithic bedrock	-------	10 to 20	15	Ripping
Steele City	270.243	270.293	263	Paralithic bedrock	-------	10 to 20	17	Ripping
Steele City	270.970	271.071	534	Paralithic bedrock	-------	20 to 40	33	Ripping
Steele City	271.776	271.791	78	Paralithic bedrock	-------	0 to 0	0	Ripping
Steele City	272.204	272.237	174	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	272.237	272.435	1,045	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	273.734	273.945	1,114	Paralithic bedrock	-------	20 to 40	38	Ripping
Steele City	274.031	274.092	327	Paralithic bedrock	-------	20 to 40	38	Ripping
Steele City	274.115	274.187	377	Paralithic bedrock	-------	20 to 40	38	Ripping
Steele City	274.228	274.276	252	Paralithic bedrock	-------	20 to 40	38	Ripping
Steele City	274.342	274.662	1,688	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	274.662	274.777	608	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	279.732	279.808	401	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	279.904	280.036	697	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	280.512	280.691	943	Paralithic bedrock	-------	20 to 40	27	Ripping
Steele City	281.980	282.070	475	Paralithic bedrock	-------	20 to 40	28	Ripping
Steele City	282.176	282.403	1,198	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	282.403	282.465	324	Paralithic bedrock	-------	20 to 40	32	Ripping
Steele City	282.465	282.518	281	Paralithic bedrock	-------	20 to 40	28	Ripping
Steele City	282.518	283.603	5,730	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	283.603	283.812	1,102	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	283.812	284.198	2,040	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	284.198	284.589	2,061	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	284.589	284.944	1,878	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	284.944	284.965	110	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	284.965	285.059	495	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	285.059	285.108	258	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping

Table K-9 Locations Potentially Requiring Ripping or Blasting Along the Keystone XL Pipeline

Pipeline Segment	Beginning Milepost	Ending Milepost	Distance Crossed (feet)	Bedrock Type	Hardness	Range of Depth to Top of Layer (inches)	Average Depth to Top of Layer (inches)	Potential Excavation Method
Steele City	285.108	286.718	8,503	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	286.876	286.994	624	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	287.083	287.184	535	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	287.279	287.641	1,915	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	287.711	288.748	5,475	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	288.953	288.983	157	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	289.057	289.167	582	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	289.672	289.923	1,329	Paralithic bedrock	Weakly cemented	10 to 20	15	Ripping
Steele City	289.923	291.414	7,872	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	292.093	292.122	156	Paralithic bedrock	Weakly cemented	10 to 20	15	Ripping
Steele City	292.460	292.584	651	Paralithic bedrock	Weakly cemented	10 to 20	15	Ripping
Steele City	292.584	293.947	7,201	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	293.947	293.964	86	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	293.964	294.010	244	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	294.010	294.113	543	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	294.113	297.605	18,437	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	297.834	300.053	11,718	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	300.174	300.359	980	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	300.441	302.214	9,362	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	302.214	302.696	2,546	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	302.696	303.893	6,318	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	303.893	304.121	1,205	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	304.121	304.431	1,634	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	304.601	306.062	7,714	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	306.541	308.620	10,976	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	308.620	308.670	267	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	308.670	309.420	3,959	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	309.420	309.575	818	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	309.575	310.006	2,274	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	310.006	310.105	526	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	310.105	310.564	2,424	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	310.564	310.601	194	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	310.601	310.838	1,253	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	310.838	311.140	1,591	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	311.140	315.579	23,439	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	315.866	318.027	11,410	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	318.143	318.359	1,142	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	318.420	318.544	656	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	318.820	319.486	3,518	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	319.855	319.928	382	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	320.009	320.064	293	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	320.725	321.763	5,476	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	321.946	322.051	559	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	322.143	322.637	2,608	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	323.250	323.315	343	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	323.547	323.740	1,019	Paralithic bedrock	Weakly cemented	7 to 20	14	Ripping
Steele City	323.740	324.028	1,522	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	324.028	324.561	2,817	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	324.956	325.176	1,160	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	325.176	325.481	1,609	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	325.481	326.416	4,935	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	326.663	326.702	205	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	326.908	328.152	6,572	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	328.397	328.514	617	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	328.581	328.945	1,918	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	328.945	329.068	651	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	329.068	329.131	331	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	329.131	329.207	401	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	329.207	330.405	6,330	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	330.429	330.457	152	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	330.628	330.731	543	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	330.854	330.948	492	Paralithic bedrock	Weakly cemented	10 to 20	15	Ripping
Steele City	330.948	334.072	16,498	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	334.072	334.170	516	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	334.170	337.546	17,823	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	337.973	338.069	508	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	338.237	338.405	885	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	338.405	338.544	735	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	338.714	339.045	1,746	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	339.630	339.710	421	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	340.190	340.718	2,789	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	340.773	340.881	568	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	341.993	342.073	421	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	342.156	343.277	5,918	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	343.690	345.192	7,933	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping

Table K-9 Locations Potentially Requiring Ripping or Blasting Along the Keystone XL Pipeline

Pipeline Segment	Beginning Milepost	Ending Milepost	Distance Crossed (feet)	Bedrock Type	Hardness	Range of Depth to Top of Layer (inches)	Average Depth to Top of Layer (inches)	Potential Excavation Method
Steele City	345.338	347.140	9,512	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	347.352	347.969	3,255	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	347.969	348.225	1,355	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	348.383	348.406	121	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	348.406	348.459	282	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	348.828	349.906	5,692	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	349.906	349.954	252	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	349.954	350.429	2,512	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	350.538	350.569	165	Paralithic bedrock	Weakly cemented	10 to 20	15	Ripping
Steele City	350.569	350.586	85	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	350.586	350.760	922	Paralithic bedrock	Weakly cemented	40 to 40	40	Ripping
Steele City	350.760	352.533	9,359	Paralithic bedrock	Weakly cemented	40 to 40	40	Ripping
Steele City	352.533	352.599	350	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	352.599	353.858	6,648	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	353.883	353.905	116	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	354.616	354.759	756	Paralithic bedrock	Weakly cemented	0 to 1	1	Ripping
Steele City	354.759	354.948	998	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	354.948	355.240	1,541	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	355.653	355.716	332	Paralithic bedrock	-------	40 to 60	50	Ripping
Steele City	355.716	355.913	1,042	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	356.233	356.292	313	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	357.481	357.542	324	Paralithic bedrock	-------	40 to 60	50	Ripping
Steele City	357.542	357.607	344	Paralithic bedrock	Weakly cemented	0 to 1	1	Ripping
Steele City	357.607	357.638	160	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	357.638	361.834	22,154	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	361.974	363.836	9,833	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	364.677	365.087	2,164	Paralithic bedrock	Weakly cemented	6 to 20	13	Ripping
Steele City	365.087	365.930	4,449	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	366.237	367.893	8,744	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	367.893	368.101	1,097	Paralithic bedrock	Weakly cemented	40 to 40	40	Ripping
Steele City	368.101	368.463	1,911	Paralithic bedrock	Weakly cemented	40 to 40	40	Ripping
Steele City	368.463	368.545	432	Paralithic bedrock	Weakly cemented	40 to 40	40	Ripping
Steele City	368.545	369.809	6,675	Paralithic bedrock	Weakly cemented	40 to 40	40	Ripping
Steele City	369.809	369.953	758	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	369.953	370.237	1,502	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	370.237	370.509	1,436	Paralithic bedrock	Weakly cemented	40 to 40	40	Ripping
Steele City	370.509	370.960	2,379	Paralithic bedrock	Weakly cemented	40 to 40	40	Ripping
Steele City	370.960	370.970	54	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	370.970	371.185	1,136	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	371.185	371.272	459	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	371.272	372.572	6,865	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	372.572	372.636	336	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	372.636	372.740	551	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	372.740	372.857	616	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	372.857	372.883	136	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	372.883	372.910	147	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	373.043	373.524	2,538	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	374.558	374.765	1,093	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	374.856	375.027	903	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	375.248	382.264	37,041	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	384.034	384.532	2,630	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	384.866	384.995	678	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	385.008	385.728	3,800	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	385.994	386.053	312	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	386.134	386.318	973	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	386.525	386.578	281	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	387.211	387.223	64	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	387.398	387.440	222	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	388.547	388.743	1,038	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	388.798	388.853	292	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	389.993	390.200	1,092	Paralithic bedrock	Weakly cemented	6 to 20	13	Ripping
Steele City	390.366	390.400	183	Paralithic bedrock	Weakly cemented	6 to 20	13	Ripping
Steele City	391.970	392.168	1,049	Paralithic bedrock	Weakly cemented	6 to 20	13	Ripping
Steele City	392.441	392.533	484	Paralithic bedrock	Weakly cemented	6 to 20	13	Ripping
Steele City	392.533	392.626	493	Paralithic bedrock	Weakly cemented	10 to 20	15	Ripping
Steele City	392.626	392.664	200	Paralithic bedrock	Weakly cemented	10 to 20	15	Ripping
Steele City	392.784	392.915	695	Paralithic bedrock	Weakly cemented	6 to 20	13	Ripping
Steele City	393.075	393.268	1,018	Paralithic bedrock	Weakly cemented	6 to 20	13	Ripping
Steele City	393.556	393.785	1,210	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	393.904	394.064	843	Paralithic bedrock	Weakly cemented	10 to 20	15	Ripping
Steele City	394.064	394.201	724	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	394.201	394.444	1,285	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	394.444	394.532	463	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	394.532	394.548	86	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	394.548	394.643	502	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping

Table K-9 Locations Potentially Requiring Ripping or Blasting Along the Keystone XL Pipeline

Pipeline Segment	Beginning Milepost	Ending Milepost	Distance Crossed (feet)	Bedrock Type	Hardness	Range of Depth to Top of Layer (inches)	Average Depth to Top of Layer (inches)	Potential Excavation Method
Steele City	394.643	394.680	193	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	394.818	394.879	323	Paralithic bedrock	Weakly cemented	10 to 20	15	Ripping
Steele City	395.003	395.496	2,602	Paralithic bedrock	Weakly cemented	10 to 20	15	Ripping
Steele City	395.496	395.888	2,071	Paralithic bedrock	Weakly cemented	10 to 20	15	Ripping
Steele City	395.888	396.090	1,068	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	396.244	396.709	2,457	Paralithic bedrock	Weakly cemented	10 to 20	15	Ripping
Steele City	396.767	397.368	3,171	Paralithic bedrock	Weakly cemented	10 to 20	15	Ripping
Steele City	397.390	397.419	151	Paralithic bedrock	Weakly cemented	10 to 20	15	Ripping
Steele City	397.775	397.907	695	Paralithic bedrock	Weakly cemented	10 to 20	15	Ripping
Steele City	398.533	398.913	2,005	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	400.054	400.182	678	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	400.182	400.409	1,198	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	400.409	400.596	991	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	400.596	400.658	326	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	400.658	400.668	52	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	400.668	401.150	2,543	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	401.150	401.887	3,893	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	401.895	403.352	7,697	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	403.639	403.702	331	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	405.264	406.002	3,898	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	406.002	406.010	43	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	406.010	406.037	140	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	406.037	406.099	328	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	406.099	406.135	188	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	406.336	406.650	1,659	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	406.840	407.032	1,012	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	408.510	408.799	1,527	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	409.090	409.189	525	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	409.537	409.709	908	Paralithic bedrock	Weakly cemented	10 to 20	15	Ripping
Steele City	410.035	410.472	2,309	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	410.685	411.273	3,104	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	411.365	411.626	1,378	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	411.744	411.750	33	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	411.816	411.894	411	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	411.922	412.136	1,131	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	412.178	412.220	219	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	412.346	414.887	13,414	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	415.020	415.210	1,005	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	415.392	415.477	447	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	415.512	415.526	71	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	415.566	416.478	4,817	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	416.478	416.487	49	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	416.487	416.975	2,573	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	417.147	417.386	1,266	Paralithic bedrock	Weakly cemented	4 to 20	12	Ripping
Steele City	417.386	417.467	427	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	417.650	418.021	1,963	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	418.123	418.324	1,061	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	418.324	419.074	3,959	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	419.117	419.573	2,404	Paralithic bedrock	Weakly cemented	4 to 20	12	Ripping
Steele City	419.904	420.223	1,688	Paralithic bedrock	Weakly cemented	4 to 20	12	Ripping
Steele City	420.314	420.901	3,097	Paralithic bedrock	Weakly cemented	4 to 20	12	Ripping
Steele City	420.901	420.942	219	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	420.942	421.677	3,878	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	421.760	421.852	489	Paralithic bedrock	Weakly cemented	4 to 20	12	Ripping
Steele City	422.267	422.658	2,068	Paralithic bedrock	Weakly cemented	4 to 20	12	Ripping
Steele City	423.283	423.329	245	Paralithic bedrock	Weakly cemented	4 to 20	12	Ripping
Steele City	423.607	423.667	313	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	424.155	424.496	1,800	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	426.048	426.340	1,545	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	426.340	426.443	541	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	426.443	426.500	303	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	426.500	426.746	1,296	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	428.216	428.466	1,324	Paralithic bedrock	Weakly cemented	4 to 20	12	Ripping
Steele City	428.466	428.684	1,149	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	428.730	428.735	26	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	429.141	429.562	2,225	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	429.562	429.707	767	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	435.130	435.164	178	Paralithic bedrock	Weakly cemented	4 to 20	12	Ripping
Steele City	438.368	438.583	1,135	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	443.399	443.582	966	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	443.694	443.999	1,611	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	444.019	444.039	105	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	444.353	444.781	2,258	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	444.993	445.091	518	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	447.628	448.154	2,780	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping

Table K-9 Locations Potentially Requiring Ripping or Blasting Along the Keystone XL Pipeline

Pipeline Segment	Beginning Milepost	Ending Milepost	Distance Crossed (feet)	Bedrock Type	Hardness	Range of Depth to Top of Layer (inches)	Average Depth to Top of Layer (inches)	Potential Excavation Method
Steele City	448.271	448.344	387	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	448.622	448.642	103	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	448.783	448.861	412	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	449.136	449.247	583	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	449.425	449.529	550	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	449.701	449.963	1,383	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	452.499	452.591	487	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	454.520	454.690	899	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	454.957	455.131	916	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	455.247	455.285	204	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	455.370	455.700	1,742	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	456.148	456.248	526	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	456.329	456.515	982	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	456.566	456.626	319	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	456.850	457.387	2,836	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	458.580	459.000	2,219	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	459.016	459.321	1,607	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	459.425	459.789	1,922	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	461.375	461.958	3,080	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	462.432	462.655	1,181	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	462.694	463.485	4,181	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	463.747	463.997	1,319	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	464.916	465.086	903	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	465.372	465.501	685	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	465.564	466.567	5,297	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	466.644	466.992	1,840	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	468.096	468.233	726	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	468.272	468.461	1,000	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	468.959	469.915	5,047	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	470.216	470.613	2,096	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	470.710	471.050	1,796	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	471.673	471.851	940	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	471.851	471.874	122	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	472.257	472.514	1,355	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	472.562	472.594	171	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	472.649	473.050	2,114	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	473.550	474.207	3,472	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	474.414	474.677	1,388	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	474.889	474.922	175	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	478.324	478.798	2,503	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	479.260	479.554	1,554	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	479.554	479.690	721	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	480.275	480.702	2,257	Paralithic bedrock	Weakly cemented	4 to 20	12	Ripping
Steele City	481.544	482.009	2,453	Paralithic bedrock	Weakly cemented	4 to 20	12	Ripping
Steele City	482.009	482.386	1,993	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	482.486	482.604	623	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	482.604	482.690	455	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	482.690	482.701	60	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	482.701	482.797	507	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	482.797	483.033	1,245	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	483.033	483.396	1,916	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	483.396	483.427	160	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	483.427	484.245	4,322	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	485.092	485.132	214	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	485.208	485.647	2,319	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	486.238	486.684	2,352	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	486.684	486.944	1,372	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	487.234	487.431	1,039	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	487.431	487.592	850	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	487.592	487.715	652	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	487.715	488.243	2,784	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	488.243	489.463	6,442	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	489.720	489.736	85	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	489.736	489.935	1,050	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	489.935	490.138	1,071	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	490.138	490.543	2,140	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	491.847	493.177	7,024	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	493.468	493.589	636	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	493.634	493.850	1,143	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	493.850	493.959	572	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	493.959	493.987	148	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	493.987	494.262	1,456	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	494.420	494.555	713	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	495.355	495.373	96	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	495.556	496.312	3,991	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping

Table K-9 Locations Potentially Requiring Ripping or Blasting Along the Keystone XL Pipeline

Pipeline Segment	Beginning Milepost	Ending Milepost	Distance Crossed (feet)	Bedrock Type	Hardness	Range of Depth to Top of Layer (inches)	Average Depth to Top of Layer (inches)	Potential Excavation Method
Steele City	496.341	496.668	1,731	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	496.782	497.126	1,817	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	497.126	497.274	780	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	498.290	498.454	870	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	499.132	499.414	1,489	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	500.242	500.348	561	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	500.499	500.939	2,320	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	501.238	501.386	785	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	501.484	501.614	685	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	501.614	501.816	1,065	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	502.067	502.162	501	Paralithic bedrock	Weakly cemented	4 to 20	12	Ripping
Steele City	502.194	502.241	245	Paralithic bedrock	Weakly cemented	4 to 20	12	Ripping
Steele City	502.725	506.409	19,449	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	506.628	506.882	1,338	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	507.177	507.606	2,266	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	507.606	507.649	226	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	507.700	511.965	22,519	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	512.007	512.093	456	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	512.283	512.362	415	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	512.501	512.641	739	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	512.854	513.671	4,316	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	513.769	515.677	10,071	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	515.789	516.066	1,463	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	516.122	516.323	1,064	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	516.402	517.233	4,386	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	517.277	517.984	3,729	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	518.088	519.944	9,801	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	520.135	520.307	911	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	522.003	522.085	436	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	523.089	523.203	601	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	530.721	530.752	163	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	532.786	532.965	946	Paralithic bedrock	Weakly cemented	4 to 20	12	Ripping
Steele City	533.041	533.216	919	Paralithic bedrock	Weakly cemented	4 to 20	12	Ripping
Steele City	533.216	533.443	1,203	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	533.738	533.863	659	Paralithic bedrock	Weakly cemented	4 to 20	12	Ripping
Steele City	533.863	533.995	700	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	534.124	534.283	841	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	535.586	535.774	992	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	535.774	535.821	250	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	535.821	535.834	70	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	535.834	535.926	484	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	535.926	536.025	521	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	536.025	536.612	3,102	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	537.349	537.614	1,402	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	537.614	537.759	764	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	538.926	538.965	207	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	538.965	539.067	538	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	539.184	539.990	4,255	Paralithic bedrock	Weakly cemented	4 to 20	12	Ripping
Steele City	539.990	540.226	1,247	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	541.091	541.630	2,849	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	541.630	542.136	2,668	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	542.188	542.334	771	Paralithic bedrock	Weakly cemented	4 to 20	12	Ripping
Steele City	542.397	542.671	1,450	Paralithic bedrock	Weakly cemented	4 to 20	12	Ripping
Steele City	542.970	543.060	475	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	543.197	543.460	1,391	Paralithic bedrock	Weakly cemented	4 to 20	12	Ripping
Steele City	543.460	543.916	2,404	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	544.067	544.211	759	Paralithic bedrock	Weakly cemented	8 to 20	14	Ripping
Steele City	544.211	544.758	2,889	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	544.863	544.923	317	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	544.923	545.100	935	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	545.100	545.209	577	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	545.209	546.009	4,221	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	546.009	546.049	214	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	546.049	546.050	5	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	546.050	546.619	3,007	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	554.369	554.588	1,156	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	554.649	554.800	795	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	554.934	555.024	474	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	555.042	555.191	786	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	557.875	558.003	678	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	561.213	561.628	2,195	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	561.970	562.041	375	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	563.260	563.483	1,176	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	563.537	563.778	1,275	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	564.051	564.567	2,724	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping

Table K-9 Locations Potentially Requiring Ripping or Blasting Along the Keystone XL Pipeline

Pipeline Segment	Beginning Milepost	Ending Milepost	Distance Crossed (feet)	Bedrock Type	Hardness	Range of Depth to Top of Layer (inches)	Average Depth to Top of Layer (inches)	Potential Excavation Method
Steele City	564.619	564.858	1,262	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	565.049	565.299	1,322	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	565.554	565.623	368	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	567.860	568.619	4,011	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	569.279	569.361	433	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	572.542	573.083	2,859	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	575.748	575.953	1,080	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	576.882	577.017	712	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	578.366	578.417	265	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	579.403	579.993	3,111	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	580.051	580.479	2,258	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	580.479	580.531	277	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	583.850	583.894	232	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	584.854	584.942	469	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	585.017	585.305	1,524	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	587.618	587.717	524	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	588.418	588.750	1,755	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	589.176	589.240	335	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	589.336	589.458	644	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	590.334	590.495	851	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	590.922	591.180	1,365	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	591.222	591.487	1,396	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	591.847	592.307	2,426	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	592.799	592.839	213	Paralithic bedrock	Weakly cemented	10 to 20	15	Ripping
Steele City	592.839	592.921	430	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	592.921	593.009	464	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	594.715	595.143	2,258	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	595.286	595.511	1,188	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	596.610	596.645	186	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	596.645	596.851	1,086	Paralithic bedrock	Weakly cemented	20 to 40	30	Ripping
Steele City	596.892	596.918	140	Paralithic bedrock	Moderately cemented	20 to 40	30	Ripping
Steele City	596.959	596.961	12	Paralithic bedrock	Moderately cemented	20 to 40	30	Ripping
Steele City	597.032	597.414	2,016	Paralithic bedrock	Moderately cemented	20 to 40	30	Ripping
Steele City	597.414	597.469	293	Paralithic bedrock	Moderately cemented	40 to 60	50	Ripping
Steele City	597.469	597.750	1,483	Paralithic bedrock	Moderately cemented	40 to 60	50	Ripping
Steele City	597.834	599.120	6,791	Paralithic bedrock	Moderately cemented	20 to 40	30	Ripping
Steele City	601.616	601.802	986	Paralithic bedrock	Moderately cemented	20 to 40	30	Ripping
Steele City	602.326	602.541	1,138	Paralithic bedrock	Moderately cemented	20 to 40	30	Ripping
Steele City	614.371	614.588	1,149	Paralithic bedrock	Moderately cemented	20 to 40	30	Ripping
Steele City	614.645	614.682	192	Paralithic bedrock	Moderately cemented	20 to 40	30	Ripping
Steele City	614.912	614.921	49	Paralithic bedrock	Moderately cemented	20 to 40	30	Ripping
Steele City	615.388	615.492	549	Paralithic bedrock	Moderately cemented	20 to 40	30	Ripping
Steele City	617.686	617.839	806	Paralithic bedrock	Moderately cemented	20 to 40	30	Ripping
Steele City	848.649	848.659	54	Bedrock (lithic)	Moderately cemented	4 to 20	12	Blasting
Steele City	848.745	848.844	525	Bedrock (lithic)	Moderately cemented	4 to 20	12	Blasting
Steele City	849.034	849.222	992	Paralithic bedrock	Moderately cemented	20 to 40	30	Ripping
Steele City	849.222	849.351	683	Paralithic bedrock	Moderately cemented	20 to 40	30	Ripping
Steele City	849.351	849.425	388	Paralithic bedrock	Moderately cemented	20 to 40	30	Ripping
Steele City	849.425	849.506	428	Paralithic bedrock	Moderately cemented	20 to 40	30	Ripping
Steele City	849.506	849.724	1,154	Paralithic bedrock	Moderately cemented	20 to 40	30	Ripping
GULF COAST SEGMENT								
Gulf Coast	17.996	18.065	368	Lithic bedrock	Very strongly cemented	10	4 to 20	Blasting
Gulf Coast	20.325	20.445	635	Paralithic bedrock	Weakly cemented	8	8 to 20	Ripping
Gulf Coast	59.660	59.725	347	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	59.843	59.882	206	Lithic bedrock	Very strongly cemented	11	10 to 20	Blasting
Gulf Coast	59.933	59.954	114	Lithic bedrock	Very strongly cemented	11	10 to 20	Blasting
Gulf Coast	61.574	61.801	1,196	Paralithic bedrock	Weakly cemented	15	10 to 20	Ripping
Gulf Coast	61.855	61.885	161	Paralithic bedrock	Weakly cemented	15	10 to 20	Ripping
Gulf Coast	61.949	62.216	1,410	Paralithic bedrock	Weakly cemented	15	10 to 20	Ripping
Gulf Coast	63.715	63.844	683	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	64.894	64.992	516	Paralithic bedrock	Weakly cemented	15	10 to 20	Ripping
Gulf Coast	65.203	65.243	210	Lithic bedrock	Very strongly cemented	11	10 to 20	Blasting
Gulf Coast	65.347	65.418	373	Lithic bedrock	Very strongly cemented	11	10 to 20	Blasting
Gulf Coast	65.465	65.560	504	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	65.619	65.672	283	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	65.978	65.979	8	Lithic bedrock	Very strongly cemented	11	10 to 20	Blasting
Gulf Coast	67.521	67.574	279	Lithic bedrock	Very strongly cemented	11	10 to 20	Blasting
Gulf Coast	67.574	67.821	1,304	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	67.821	67.888	351	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	67.888	68.351	2,448	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	68.364	68.477	596	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	70.569	70.759	1,004	Lithic bedrock	Very strongly cemented	11	10 to 20	Blasting
Gulf Coast	70.759	70.872	600	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	70.967	70.970	15	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	70.970	71.077	566	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting

Table K-9 Locations Potentially Requiring Ripping or Blasting Along the Keystone XL Pipeline

Pipeline Segment	Beginning Milepost	Ending Milepost	Distance Crossed (feet)	Bedrock Type	Hardness	Range of Depth to Top of Layer (inches)	Average Depth to Top of Layer (inches)	Potential Excavation Method
Gulf Coast	71.077	71.741	3,507	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	71.741	71.961	1,162	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	71.961	72.040	415	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	72.040	72.051	58	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	72.051	72.162	589	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	72.162	72.224	324	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	72.224	72.321	513	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	72.321	72.430	578	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	72.430	72.628	1,041	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	72.628	72.666	204	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	72.666	72.857	1,005	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	72.857	72.917	320	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	73.933	74.067	707	Lithic bedrock	Very strongly cemented	11	10 to 20	Blasting
Gulf Coast	75.112	75.145	173	Lithic bedrock	Very strongly cemented	15	10 to 20	Blasting
Gulf Coast	75.145	75.438	1,548	Lithic bedrock	Very strongly cemented	15	10 to 20	Blasting
Gulf Coast	76.182	76.305	649	Lithic bedrock	Very strongly cemented	11	10 to 20	Blasting
Gulf Coast	77.437	77.537	527	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	77.928	78.153	1,189	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	78.153	78.259	563	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	78.445	78.538	490	Paralithic bedrock	Weakly cemented	29	19 to 40	Ripping
Gulf Coast	78.591	78.649	304	Paralithic bedrock	Weakly cemented	29	19 to 40	Ripping
Gulf Coast	78.833	78.933	530	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	81.435	82.554	5,910	Lithic bedrock	Very strongly cemented	11	10 to 20	Blasting
Gulf Coast	82.554	82.801	1,302	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	82.801	83.199	2,102	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	83.199	83.673	2,501	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	83.673	83.750	410	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	83.750	83.864	598	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	84.233	84.267	178	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	84.321	84.369	252	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	84.369	84.401	172	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	84.401	84.580	945	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	84.702	84.853	794	Lithic bedrock	Very strongly cemented	15	10 to 20	Blasting
Gulf Coast	84.853	84.934	429	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	84.934	84.963	152	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	85.071	85.096	134	Lithic bedrock	Very strongly cemented	11	10 to 20	Blasting
Gulf Coast	85.096	85.135	204	Lithic bedrock	Very strongly cemented	15	10 to 20	Blasting
Gulf Coast	85.135	85.214	421	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	85.214	85.216	7	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	85.216	85.504	1,525	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	85.504	85.559	286	Lithic bedrock	Very strongly cemented	40	20 to 40	Blasting
Gulf Coast	85.559	85.598	209	Lithic bedrock	Very strongly cemented	15	10 to 20	Blasting
Gulf Coast	85.598	85.638	212	Paralithic bedrock	Weakly cemented	15	10 to 20	Ripping
Gulf Coast	85.666	85.777	587	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	85.777	85.782	28	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	85.846	85.905	310	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	85.905	85.951	247	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	85.951	86.329	1,996	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	86.329	86.530	1,061	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	87.602	87.770	890	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	87.770	87.811	214	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	87.848	88.021	913	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	88.021	88.301	1,483	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	88.301	89.422	5,914	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	89.422	89.440	100	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	89.440	89.735	1,553	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	89.735	89.837	539	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	89.837	89.932	506	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	89.980	90.082	538	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	90.082	90.108	142	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	90.108	90.364	1,348	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	90.364	90.571	1,097	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	90.571	90.654	435	Lithic bedrock	Very strongly cemented	36	20 to 40	Blasting
Gulf Coast	90.654	90.671	88	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	90.671	90.866	1,030	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	90.866	90.913	248	Lithic bedrock	Very strongly cemented	33	20 to 40	Blasting
Gulf Coast	90.913	91.043	689	Lithic bedrock	Very strongly cemented	36	20 to 40	Blasting
Gulf Coast	91.317	91.449	699	Lithic bedrock	Very strongly cemented	33	20 to 40	Blasting
Gulf Coast	91.449	91.976	2,785	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	91.976	92.096	632	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	92.096	92.147	269	Paralithic bedrock	Weakly cemented	22	20 to 40	Ripping
Gulf Coast	92.284	92.394	577	Lithic bedrock	Very strongly cemented	28	20 to 40	Blasting
Gulf Coast	92.394	92.430	190	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	92.430	92.481	271	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	92.560	92.596	193	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping

Table K-9 Locations Potentially Requiring Ripping or Blasting Along the Keystone XL Pipeline

Pipeline Segment	Beginning Milepost	Ending Milepost	Distance Crossed (feet)	Bedrock Type	Hardness	Range of Depth to Top of Layer (inches)	Average Depth to Top of Layer (inches)	Potential Excavation Method
Gulf Coast	92.596	92.673	405	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	92.757	92.788	162	Paralithic bedrock	Weakly cemented	32	20 to 40	Ripping
Gulf Coast	92.855	92.949	501	Paralithic bedrock	Weakly cemented	22	20 to 40	Ripping
Gulf Coast	92.949	93.065	610	Paralithic bedrock	Weakly cemented	28	20 to 40	Ripping
Gulf Coast	93.065	93.164	524	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	93.211	93.311	529	Paralithic bedrock	Weakly cemented	32	20 to 40	Ripping
Gulf Coast	93.311	93.370	311	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	93.651	93.771	632	Paralithic bedrock	Weakly cemented	22	20 to 40	Ripping
Gulf Coast	93.829	93.888	309	Paralithic bedrock	Weakly cemented	32	20 to 40	Ripping
Gulf Coast	93.888	93.945	302	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	93.945	94.109	863	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	94.109	94.219	582	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	94.219	94.290	374	Lithic bedrock	Very strongly cemented	31	20 to 40	Blasting
Gulf Coast	94.386	94.471	449	Paralithic bedrock	Weakly cemented	22	20 to 40	Ripping
Gulf Coast	94.583	94.686	545	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	94.686	94.785	522	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	94.785	94.859	389	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	94.859	94.909	267	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	95.070	95.128	302	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	95.128	95.226	518	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	95.226	95.382	827	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	95.382	95.464	431	Paralithic bedrock	Weakly cemented	32	20 to 40	Ripping
Gulf Coast	95.464	95.514	266	Paralithic bedrock	Weakly cemented	32	20 to 40	Ripping
Gulf Coast	95.514	95.637	650	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	95.744	95.948	1,077	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	95.948	96.094	770	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	96.094	96.176	433	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	96.176	96.273	511	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	96.273	96.349	400	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	96.349	96.411	326	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	96.411	96.693	1,490	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	96.766	96.908	754	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	97.372	97.472	527	Paralithic bedrock	Weakly cemented	32	20 to 40	Ripping
Gulf Coast	97.472	97.538	347	Paralithic bedrock	Weakly cemented	32	20 to 40	Ripping
Gulf Coast	97.538	97.598	321	Paralithic bedrock	Weakly cemented	22	20 to 40	Ripping
Gulf Coast	97.637	97.772	713	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	97.794	98.072	1,467	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	98.271	98.273	13	Paralithic bedrock	Weakly cemented	28	20 to 40	Ripping
Gulf Coast	98.273	98.402	681	Paralithic bedrock	Weakly cemented	28	20 to 40	Ripping
Gulf Coast	98.603	98.621	97	Paralithic bedrock	Weakly cemented	22	20 to 40	Ripping
Gulf Coast	98.621	98.702	429	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	98.702	98.729	143	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	98.729	98.746	90	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	98.746	98.879	703	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	98.879	98.965	451	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	98.965	99.048	439	Paralithic bedrock	Weakly cemented	32	20 to 40	Ripping
Gulf Coast	99.245	99.361	611	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	99.689	99.729	215	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	99.877	99.905	148	Paralithic bedrock	Weakly cemented	22	20 to 40	Ripping
Gulf Coast	99.950	99.996	242	Paralithic bedrock	Weakly cemented	22	20 to 40	Ripping
Gulf Coast	99.996	100.009	69	Paralithic bedrock	Weakly cemented	22	20 to 40	Ripping
Gulf Coast	100.009	100.076	351	Paralithic bedrock	Weakly cemented	22	20 to 40	Ripping
Gulf Coast	100.076	100.313	1,252	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	100.313	100.389	404	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	100.389	100.589	1,056	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	100.630	101.443	4,293	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	101.443	101.528	448	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	101.528	101.570	224	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	101.570	101.679	572	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	101.906	102.004	514	Paralithic bedrock	Weakly cemented	32	20 to 40	Ripping
Gulf Coast	102.004	102.025	112	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	102.025	102.079	287	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	102.079	102.122	227	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	102.157	102.559	2,118	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	102.678	102.902	1,182	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	102.902	102.917	77	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	102.917	103.038	640	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	103.169	103.185	87	Paralithic bedrock	Weakly cemented	22	20 to 40	Ripping
Gulf Coast	103.311	103.340	155	Paralithic bedrock	Weakly cemented	22	20 to 40	Ripping
Gulf Coast	103.441	103.594	809	Paralithic bedrock	Weakly cemented	22	20 to 40	Ripping
Gulf Coast	103.635	104.174	2,848	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	104.174	104.227	276	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	104.297	104.388	483	Lithic bedrock	Very strongly cemented	33	20 to 40	Blasting
Gulf Coast	104.388	104.981	3,130	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	104.981	105.165	970	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping

Table K-9 Locations Potentially Requiring Ripping or Blasting Along the Keystone XL Pipeline

Pipeline Segment	Beginning Milepost	Ending Milepost	Distance Crossed (feet)	Bedrock Type	Hardness	Range of Depth to Top of Layer (inches)	Average Depth to Top of Layer (inches)	Potential Excavation Method
Gulf Coast	105.216	105.374	834	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	105.374	105.430	293	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	105.501	105.753	1,330	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	106.031	106.059	151	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	106.233	106.262	152	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	106.301	106.383	435	Paralithic bedrock	Weakly cemented	32	20 to 40	Ripping
Gulf Coast	106.383	106.432	256	Paralithic bedrock	Weakly cemented	32	20 to 40	Ripping
Gulf Coast	106.432	106.535	544	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	106.535	106.621	455	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	106.621	106.654	173	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	107.668	107.741	383	Lithic bedrock	Very strongly cemented	33	20 to 40	Blasting
Gulf Coast	107.776	108.094	1,683	Lithic bedrock	Very strongly cemented	31	20 to 40	Blasting
Gulf Coast	109.460	109.484	127	Lithic bedrock	Very strongly cemented	33	20 to 40	Blasting
Gulf Coast	109.772	109.991	1,156	Lithic bedrock	Very strongly cemented	31	20 to 40	Blasting
Gulf Coast	109.991	110.282	1,536	Paralithic bedrock	Weakly cemented	32	20 to 40	Ripping
Gulf Coast	110.282	110.361	418	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	110.361	110.675	1,661	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	110.675	110.694	97	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	110.694	110.776	434	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	110.776	110.916	739	Paralithic bedrock	Weakly cemented	40	40 to 55	Ripping
Gulf Coast	111.633	111.686	278	Paralithic bedrock	Weakly cemented	22	20 to 40	Ripping
Gulf Coast	111.724	111.818	498	Paralithic bedrock	Weakly cemented	22	20 to 40	Ripping
Gulf Coast	112.714	112.741	143	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	113.189	113.409	1,161	Paralithic bedrock	Weakly cemented	35	20 to 40	Ripping
Gulf Coast	114.104	114.185	429	Paralithic bedrock	Weakly cemented	33	20 to 40	Ripping
Gulf Coast	114.296	114.351	288	Paralithic bedrock	Weakly cemented	33	20 to 40	Ripping
Gulf Coast	114.351	114.430	421	Paralithic bedrock	Weakly cemented	33	20 to 40	Ripping
Gulf Coast	114.430	114.557	670	Paralithic bedrock	Weakly cemented	33	20 to 40	Ripping
Gulf Coast	115.467	115.712	1,291	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	115.717	115.826	572	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	115.826	115.832	32	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	115.832	115.851	103	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	115.851	115.959	572	Paralithic bedrock	Weakly cemented	38	20 to 40	Ripping
Gulf Coast	115.959	116.026	349	Paralithic bedrock	Weakly cemented	33	20 to 40	Ripping
Gulf Coast	116.026	116.091	347	Paralithic bedrock	Weakly cemented	33	20 to 40	Ripping
Gulf Coast	116.714	116.772	304	Paralithic bedrock	Weakly cemented	33	20 to 40	Ripping
Gulf Coast	116.820	116.951	694	Paralithic bedrock	Weakly cemented	33	20 to 40	Ripping
Gulf Coast	131.735	132.043	1,631	Lithic bedrock	Very strongly cemented	18	10 to 20	Blasting
Gulf Coast	132.344	132.364	107	Lithic bedrock	Very strongly cemented	14	6 to 20	Blasting
Gulf Coast	132.539	132.634	504	Lithic bedrock	Very strongly cemented	14	6 to 20	Blasting
Gulf Coast	132.709	132.730	112	Lithic bedrock	Very strongly cemented	14	6 to 20	Blasting
Gulf Coast	132.730	132.779	257	Lithic bedrock	Very strongly cemented	16	6 to 20	Blasting
Gulf Coast	135.081	135.191	582	Lithic bedrock	Very strongly cemented	26	24 to 40	Blasting
Gulf Coast	136.833	136.940	566	Lithic bedrock	Very strongly cemented	16	6 to 20	Blasting
Gulf Coast	136.973	137.051	412	Lithic bedrock	Very strongly cemented	16	6 to 20	Blasting
Gulf Coast	137.859	137.949	475	Lithic bedrock	Very strongly cemented	26	24 to 40	Blasting
Gulf Coast	138.072	138.156	446	Lithic bedrock	Very strongly cemented	26	24 to 40	Blasting
Gulf Coast	143.059	143.119	320	Paralithic bedrock	Weakly cemented	51	40 to 60	Ripping
Gulf Coast	143.259	143.355	511	Paralithic bedrock	Weakly cemented	51	40 to 60	Ripping
Gulf Coast	143.474	143.552	411	Paralithic bedrock	Weakly cemented	51	40 to 60	Ripping
Gulf Coast	143.736	143.855	627	Paralithic bedrock	Weakly cemented	28	20 to 40	Ripping
Gulf Coast	144.011	144.084	388	Lithic bedrock	Very strongly cemented	38	20 to 40	Blasting
Gulf Coast	148.355	148.516	848	Paralithic bedrock	Weakly cemented	51	40 to 60	Ripping
Gulf Coast	149.738	149.786	253	Paralithic bedrock	Weakly cemented	51	40 to 60	Ripping
Gulf Coast	149.868	149.919	268	Paralithic bedrock	Weakly cemented	51	40 to 60	Ripping
Gulf Coast	150.529	150.629	528	Paralithic bedrock	Weakly cemented	51	40 to 60	Ripping
Gulf Coast	165.855	166.017	855	Dense material	Noncemented	51	N/A	Ripping
Gulf Coast	166.318	166.558	1,267	Dense material	Noncemented	51	N/A	Ripping
Gulf Coast	168.376	168.585	1,106	Dense material	Noncemented	51	N/A	Ripping
Gulf Coast	168.681	168.799	619	Dense material	Noncemented	51	N/A	Ripping
Gulf Coast	169.136	169.303	881	Dense material	Noncemented	51	N/A	Ripping
Gulf Coast	169.427	169.769	1,803	Dense material	Noncemented	59	N/A	Ripping
Gulf Coast	170.957	171.200	1,286	Dense material	Noncemented	59	N/A	Ripping
Gulf Coast	171.702	171.983	1,483	Dense material	Noncemented	59	N/A	Ripping
Gulf Coast	172.356	172.488	701	Dense material	Noncemented	59	N/A	Ripping
Gulf Coast	172.633	172.857	1,181	Dense material	Noncemented	59	N/A	Ripping
Gulf Coast	172.986	173.051	345	Dense material	Noncemented	51	N/A	Ripping
Gulf Coast	173.051	173.120	361	Dense material	Noncemented	59	N/A	Ripping
Gulf Coast	173.274	173.669	2,088	Dense material	Noncemented	59	N/A	Ripping
Gulf Coast	173.862	174.493	3,328	Dense material	Noncemented	59	N/A	Ripping
Gulf Coast	174.520	174.520	2	Dense material	Noncemented	59	N/A	Ripping
Gulf Coast	174.717	174.938	1,165	Dense material	Noncemented	59	N/A	Ripping
Gulf Coast	174.989	175.069	427	Dense material	Noncemented	59	N/A	Ripping
Gulf Coast	175.760	175.861	534	Dense material	Noncemented	59	N/A	Ripping
Gulf Coast	181.313	181.322	50	Paralithic bedrock	Weakly cemented	27	20 to 40	Ripping

Table K-9 Locations Potentially Requiring Ripping or Blasting Along the Keystone XL Pipeline

Pipeline Segment	Beginning Milepost	Ending Milepost	Distance Crossed (feet)	Bedrock Type	Hardness	Range of Depth to Top of Layer (inches)	Average Depth to Top of Layer (inches)	Potential Excavation Method
Gulf Coast	181.322	181.655	1,756	Paralithic bedrock	Weakly cemented	27	20 to 40	Ripping
Gulf Coast	181.822	182.034	1,122	Paralithic bedrock	Weakly cemented	7	7 to 20	Ripping
Gulf Coast	182.034	182.620	3,093	Paralithic bedrock	Weakly cemented	27	20 to 40	Ripping
Gulf Coast	183.486	183.904	2,208	Densic bedrock	Noncemented	43	40 to 60	Ripping
Gulf Coast	184.021	184.431	2,163	Densic bedrock	Noncemented	43	40 to 60	Ripping
Gulf Coast	184.590	184.668	410	Densic bedrock	Noncemented	43	40 to 60	Ripping
Gulf Coast	184.780	185.417	3,362	Densic bedrock	Noncemented	43	40 to 60	Ripping
Gulf Coast	191.607	191.734	669	Densic bedrock	Noncemented	43	40 to 60	Ripping
Gulf Coast	191.831	191.904	384	Densic bedrock	Noncemented	43	40 to 60	Ripping
Gulf Coast	198.449	198.581	695	Dense material	Noncemented	59	N/A	Ripping
Gulf Coast	198.603	198.609	36	Dense material	Noncemented	59	N/A	Ripping
Gulf Coast	199.274	199.295	111	Dense material	Noncemented	51	N/A	Ripping
Gulf Coast	200.647	200.704	301	Dense material	Noncemented	51	N/A	Ripping
Gulf Coast	200.838	200.942	548	Dense material	Noncemented	51	N/A	Ripping
Gulf Coast	201.855	201.947	483	Dense material	Noncemented	35	N/A	Ripping
Gulf Coast	202.885	202.989	550	Densic bedrock	Noncemented	28	N/A	Ripping
Gulf Coast	202.989	203.267	1,464	Densic bedrock	Noncemented	28	N/A	Ripping
Gulf Coast	203.267	203.302	186	Densic bedrock	Noncemented	28	N/A	Ripping
Gulf Coast	203.302	203.393	478	Densic bedrock	Noncemented	28	N/A	Ripping
Gulf Coast	203.393	203.450	304	Densic bedrock	Noncemented	28	N/A	Ripping
Gulf Coast	203.450	203.522	378	Densic bedrock	Noncemented	28	N/A	Ripping
Gulf Coast	203.522	203.651	684	Densic bedrock	Noncemented	28	N/A	Ripping
Gulf Coast	203.651	203.758	563	Densic bedrock	Noncemented	28	N/A	Ripping
Gulf Coast	203.758	203.962	1,079	Densic bedrock	Noncemented	28	N/A	Ripping
Gulf Coast	203.962	206.079	11,177	Densic bedrock	Noncemented	28	N/A	Ripping
Gulf Coast	206.287	206.554	1,409	Densic bedrock	Noncemented	28	N/A	Ripping
Gulf Coast	206.554	206.659	558	Densic bedrock	Noncemented	28	N/A	Ripping
Gulf Coast	206.659	206.698	204	Dense material	Noncemented	45	N/A	Ripping
Gulf Coast	206.698	206.726	149	Dense material	Noncemented	45	N/A	Ripping
Gulf Coast	206.726	207.056	1,743	Dense material	Noncemented	47	N/A	Ripping
Gulf Coast	207.056	207.585	2,791	Dense material	Noncemented	47	N/A	Ripping
Gulf Coast	207.585	207.610	133	Dense material	Noncemented	47	N/A	Ripping
Gulf Coast	207.610	207.824	1,127	Dense material	Noncemented	47	N/A	Ripping
Gulf Coast	207.824	207.965	747	Dense material	Noncemented	45	N/A	Ripping
Gulf Coast	207.965	208.095	689	Dense material	Noncemented	45	N/A	Ripping
Gulf Coast	208.095	208.205	577	Dense material	Noncemented	45	N/A	Ripping
Gulf Coast	208.205	208.548	1,810	Dense material	Noncemented	45	N/A	Ripping
Gulf Coast	208.548	208.611	335	Dense material	Noncemented	45	N/A	Ripping
Gulf Coast	208.611	208.983	1,964	Dense material	Noncemented	45	N/A	Ripping
Gulf Coast	208.983	209.085	536	Dense material	Noncemented	47	N/A	Ripping
Gulf Coast	209.085	209.397	1,647	Dense material	Noncemented	47	N/A	Ripping
Gulf Coast	209.397	209.432	187	Dense material	Noncemented	47	N/A	Ripping
Gulf Coast	209.432	209.765	1,758	Dense material	Noncemented	47	N/A	Ripping
Gulf Coast	209.765	209.797	169	Dense material	Noncemented	45	N/A	Ripping
Gulf Coast	209.797	209.854	299	Dense material	Noncemented	50	N/A	Ripping
Gulf Coast	209.992	210.058	352	Dense material	Noncemented	50	N/A	Ripping
Gulf Coast	210.647	210.831	976	Dense material	Noncemented	50	N/A	Ripping
Gulf Coast	211.300	211.451	801	Dense material	Noncemented	58	N/A	Ripping
Gulf Coast	211.844	211.928	442	Dense material	Noncemented	58	N/A	Ripping
Gulf Coast	211.928	212.018	476	Dense material	Noncemented	58	N/A	Ripping
Gulf Coast	212.018	212.110	489	Dense material	Noncemented	58	N/A	Ripping
Gulf Coast	213.500	213.628	677	Dense material	Noncemented	58	N/A	Ripping
Gulf Coast	213.628	213.795	880	Dense material	Noncemented	58	N/A	Ripping
Gulf Coast	213.852	213.935	438	Dense material	Noncemented	47	N/A	Ripping
Gulf Coast	213.935	214.961	5,413	Dense material	Noncemented	47	N/A	Ripping
Gulf Coast	214.961	215.022	325	Dense material	Noncemented	45	N/A	Ripping
Gulf Coast	215.022	215.532	2,695	Dense material	Noncemented	45	N/A	Ripping
Gulf Coast	215.599	216.005	2,143	Dense material	Noncemented	50	N/A	Ripping
Gulf Coast	216.260	216.371	586	Dense material	Noncemented	35	N/A	Ripping
Gulf Coast	217.872	217.950	409	Dense material	Noncemented	58	N/A	Ripping
Gulf Coast	218.139	218.194	294	Dense material	Noncemented	58	N/A	Ripping
Gulf Coast	218.276	218.352	401	Dense material	Noncemented	58	N/A	Ripping
Gulf Coast	218.460	218.564	551	Dense material	Noncemented	50	N/A	Ripping
Gulf Coast	218.673	218.734	324	Dense material	Noncemented	50	N/A	Ripping
Gulf Coast	220.202	220.315	597	Dense material	Noncemented	50	N/A	Ripping
Gulf Coast	220.462	220.516	284	Dense material	Noncemented	58	N/A	Ripping
Gulf Coast	220.516	220.689	916	Dense material	Noncemented	58	N/A	Ripping
Gulf Coast	220.957	221.321	1,922	Dense material	Noncemented	50	N/A	Ripping
Gulf Coast	221.368	221.790	2,225	Dense material	Noncemented	50	N/A	Ripping
Gulf Coast	221.858	221.925	353	Dense material	Noncemented	50	N/A	Ripping
Gulf Coast	222.008	222.055	246	Dense material	Noncemented	58	N/A	Ripping
Gulf Coast	222.148	222.292	759	Dense material	Noncemented	55	40 to 60	Ripping
Gulf Coast	222.292	222.355	334	Dense material	Noncemented	55	40 to 60	Ripping
Gulf Coast	223.118	224.481	7,195	Dense material	Noncemented	48	40 to 60	Ripping
Gulf Coast	224.481	224.820	1,793	Dense material	Noncemented	55	40 to 60	Ripping

Table K-9 Locations Potentially Requiring Ripping or Blasting Along the Keystone XL Pipeline

Pipeline Segment	Beginning Milepost	Ending Milepost	Distance Crossed (feet)	Bedrock Type	Hardness	Range of Depth to Top of Layer (inches)	Average Depth to Top of Layer (inches)	Potential Excavation Method
Gulf Coast	224.820	224.940	629	Dense material	Noncemented	55	40 to 60	Ripping
Gulf Coast	224.940	225.181	1,277	Dense material	Noncemented	48	40 to 60	Ripping
Gulf Coast	225.181	225.254	382	Dense material	Noncemented	48	40 to 60	Ripping
Gulf Coast	225.254	225.384	689	Dense material	Noncemented	42	40 to 60	Ripping
Gulf Coast	226.338	226.503	868	Dense material	Noncemented	55	40 to 60	Ripping
Gulf Coast	226.826	227.141	1,664	Dense material	Noncemented	55	40 to 60	Ripping
Gulf Coast	228.841	229.114	1,443	Dense material	Noncemented	32	20 to 40	Ripping
Gulf Coast	229.114	229.189	393	Dense material	Noncemented	40	40 to 60	Ripping
Gulf Coast	229.189	229.731	2,863	Dense material	Noncemented	40	40 to 60	Ripping
Gulf Coast	230.637	230.784	772	Dense material	Noncemented	45	40 to 60	Ripping
Gulf Coast	230.784	230.902	626	Dense material	Noncemented	45	40 to 60	Ripping
Gulf Coast	231.086	231.132	243	Dense material	Noncemented	40	40 to 60	Ripping
Gulf Coast	231.267	231.495	1,208	Dense material	Noncemented	32	20 to 40	Ripping
Gulf Coast	231.664	231.953	1,525	Dense material	Noncemented	32	20 to 40	Ripping
Gulf Coast	232.153	232.287	707	Dense material	Noncemented	32	20 to 40	Ripping
Gulf Coast	232.363	232.420	298	Dense material	Noncemented	32	20 to 40	Ripping
Gulf Coast	232.469	232.511	217	Dense material	Noncemented	32	20 to 40	Ripping
Gulf Coast	232.799	232.985	980	Dense material	Noncemented	48	40 to 60	Ripping
Gulf Coast	233.164	233.191	141	Dense material	Noncemented	31	20 to 40	Ripping
Gulf Coast	233.641	233.922	1,483	Dense material	Noncemented	31	20 to 40	Ripping
Gulf Coast	233.994	234.062	359	Dense material	Noncemented	31	20 to 40	Ripping
Gulf Coast	234.390	234.500	581	Dense material	Noncemented	31	20 to 40	Ripping
Gulf Coast	234.500	234.570	371	Dense material	Noncemented	50	40 to 60	Ripping
Gulf Coast	234.766	234.860	493	Dense material	Noncemented	31	20 to 40	Ripping
Gulf Coast	234.953	235.051	517	Dense material	Noncemented	31	20 to 40	Ripping
Gulf Coast	235.151	235.210	313	Dense material	Noncemented	31	20 to 40	Ripping
Gulf Coast	235.265	235.327	325	Dense material	Noncemented	31	20 to 40	Ripping
Gulf Coast	235.954	236.051	514	Dense material	Noncemented	31	20 to 40	Ripping
Gulf Coast	236.109	236.173	342	Dense material	Noncemented	31	20 to 40	Ripping
Gulf Coast	236.173	236.246	383	Dense material	Noncemented	42	40 to 60	Ripping
Gulf Coast	236.316	236.447	692	Dense material	Noncemented	42	40 to 60	Ripping
Gulf Coast	236.700	236.835	712	Dense material	Noncemented	31	20 to 40	Ripping
Gulf Coast	237.302	237.360	303	Dense material	Noncemented	48	40 to 60	Ripping
Gulf Coast	237.436	237.649	1,125	Dense material	Noncemented	31	20 to 40	Ripping
Gulf Coast	237.649	237.780	690	Dense material	Noncemented	50	40 to 60	Ripping
Gulf Coast	237.780	237.945	874	Dense material	Noncemented	50	40 to 60	Ripping
Gulf Coast	238.601	238.882	1,485	Dense material	Noncemented	42	40 to 60	Ripping
Gulf Coast	238.882	239.013	690	Dense material	Noncemented	42	40 to 60	Ripping
Gulf Coast	239.064	239.125	323	Dense material	Noncemented	31	20 to 40	Ripping
Gulf Coast	239.624	239.690	351	Dense material	Noncemented	31	20 to 40	Ripping
Gulf Coast	249.371	249.435	337	Dense material	Noncemented	31	20 to 40	Ripping
Gulf Coast	249.435	249.516	425	Dense material	Noncemented	48	40 to 60	Ripping
Gulf Coast	249.516	249.587	379	Dense material	Noncemented	48	40 to 60	Ripping
Gulf Coast	249.629	249.683	287	Dense material	Noncemented	31	20 to 40	Ripping
Gulf Coast	251.917	252.188	1,433	Dense material	Noncemented	42	40 to 60	Ripping
Gulf Coast	259.103	259.155	275	Dense material	Noncemented	36	20 to 40	Ripping
Gulf Coast	259.276	259.283	41	Dense material	Noncemented	36	20 to 40	Ripping
Gulf Coast	259.465	259.590	665	Dense material	Noncemented	36	20 to 40	Ripping
Gulf Coast	259.647	259.699	271	Dense material	Noncemented	36	20 to 40	Ripping
Gulf Coast	259.927	260.106	947	Dense material	Noncemented	36	20 to 40	Ripping
Gulf Coast	260.207	260.378	903	Dense material	Noncemented	36	20 to 40	Ripping
Gulf Coast	260.493	260.733	1,266	Dense material	Noncemented	52	40 to 60	Ripping
Gulf Coast	262.779	262.971	1,016	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	263.309	263.334	133	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	263.535	263.642	562	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	263.770	263.902	699	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	263.902	264.163	1,375	Dense material	Noncemented	56	40 to 60	Ripping
Gulf Coast	264.163	264.255	487	Dense material	Noncemented	56	40 to 60	Ripping
Gulf Coast	264.292	264.308	82	Dense material	Noncemented	49	40 to 60	Ripping
Gulf Coast	264.308	264.343	188	Dense material	Noncemented	49	40 to 60	Ripping
Gulf Coast	264.343	264.455	590	Dense material	Noncemented	49	40 to 60	Ripping
Gulf Coast	264.455	264.610	820	Dense material	Noncemented	49	40 to 60	Ripping
Gulf Coast	264.865	265.187	1,703	Dense material	Noncemented	28	20 to 40	Ripping
Gulf Coast	265.187	265.303	614	Dense material	Noncemented	49	40 to 60	Ripping
Gulf Coast	265.303	265.343	211	Dense material	Noncemented	49	40 to 60	Ripping
Gulf Coast	265.343	265.507	866	Dense material	Noncemented	50	40 to 60	Ripping
Gulf Coast	265.507	265.661	810	Dense material	Noncemented	50	40 to 60	Ripping
Gulf Coast	265.862	266.111	1,315	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	266.111	266.201	474	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	266.616	266.794	942	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	267.169	267.208	203	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	267.603	267.723	637	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	268.274	268.488	1,132	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	268.560	268.703	751	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	268.941	269.100	837	Dense material	Noncemented	34	20 to 40	Ripping

Table K-9 Locations Potentially Requiring Ripping or Blasting Along the Keystone XL Pipeline

Pipeline Segment	Beginning Milepost	Ending Milepost	Distance Crossed (feet)	Bedrock Type	Hardness	Range of Depth to Top of Layer (inches)	Average Depth to Top of Layer (inches)	Potential Excavation Method
Gulf Coast	269.154	269.335	956	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	269.335	269.413	412	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	269.481	269.575	494	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	269.575	269.615	214	Dense material	Noncemented	56	40 to 60	Ripping
Gulf Coast	270.075	270.141	351	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	270.343	270.515	908	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	270.597	270.709	593	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	270.709	270.866	830	Dense material	Noncemented	58	40 to 80	Ripping
Gulf Coast	270.927	271.064	728	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	271.325	271.375	260	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	272.312	272.328	81	Dense material	Noncemented	56	40 to 60	Ripping
Gulf Coast	274.788	274.932	759	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	276.894	276.933	206	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	278.789	278.843	281	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	279.145	279.199	287	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	279.199	279.358	834	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	279.519	279.680	852	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	280.019	280.237	1,149	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	280.237	280.371	707	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	280.764	280.880	613	Dense material	Noncemented	56	40 to 60	Ripping
Gulf Coast	281.026	281.054	147	Dense material	Noncemented	56	40 to 60	Ripping
Gulf Coast	282.023	282.089	347	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	282.089	282.118	155	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	282.118	282.136	95	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	282.136	282.171	184	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	282.171	282.227	296	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	282.740	282.818	412	Dense material	Noncemented	28	20 to 40	Ripping
Gulf Coast	282.818	283.017	1,050	Dense material	Noncemented	56	40 to 60	Ripping
Gulf Coast	283.744	283.788	230	Dense material	Noncemented	28	20 to 40	Ripping
Gulf Coast	283.860	283.901	218	Dense material	Noncemented	56	40 to 60	Ripping
Gulf Coast	284.261	284.337	401	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	285.779	285.813	178	Dense material	Noncemented	56	40 to 60	Ripping
Gulf Coast	285.876	285.958	435	Dense material	Noncemented	56	40 to 60	Ripping
Gulf Coast	286.462	286.602	740	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	286.602	286.784	961	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	286.823	287.041	1,149	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	287.597	287.777	946	Dense material	Noncemented	56	40 to 60	Ripping
Gulf Coast	288.505	288.590	449	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	288.637	288.677	210	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	288.780	288.783	16	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	288.822	288.876	285	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	288.940	289.212	1,435	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	289.326	289.518	1,010	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	289.576	289.789	1,125	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	289.854	289.983	682	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	289.983	290.053	370	Dense material	Noncemented	58	40 to 80	Ripping
Gulf Coast	290.127	290.202	398	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	290.310	290.392	436	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	290.435	290.494	314	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	290.494	290.719	1,186	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	290.796	290.831	185	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	290.831	290.922	481	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	290.922	290.945	118	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	290.945	291.152	1,095	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	291.267	291.347	427	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	291.347	291.421	386	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	291.421	291.501	424	Dense material	Noncemented	47	40 to 60	Ripping
Gulf Coast	426.151	426.151	181	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	426.234	426.234	614	Dense material	Noncemented	40	40 to 60	Ripping
Gulf Coast	427.036	427.036	604	Dense material	Noncemented	40	40 to 60	Ripping
Gulf Coast	427.037	427.037	240	Dense material	Noncemented	48	40 to 60	Ripping
Gulf Coast	427.078	427.078	3,865	Abrupt textural change	Noncemented	64	40 to 80	Ripping
Gulf Coast	427.082	427.082	1,855	Dense material	Noncemented	51	40 to 60	Ripping
Gulf Coast	427.616	427.616	392	Dense material	Noncemented	36	20 to 40	Ripping
Gulf Coast	428.648	428.648	632	Dense material	Noncemented	53	40 to 80	Ripping
Gulf Coast	429.667	429.667	552	Dense material	Noncemented	48	40 to 60	Ripping
Gulf Coast	431.314	431.314	204	Dense material	Noncemented	36	20 to 40	Ripping
Gulf Coast	432.214	432.214	453	Dense material	Noncemented	36	20 to 40	Ripping
Gulf Coast	432.915	432.915	562	Dense material	Noncemented	36	20 to 40	Ripping
Gulf Coast	433.244	433.244	225	Dense material	Noncemented	36	20 to 40	Ripping
Gulf Coast	434.115	434.115	147	Dense material	Noncemented	48	40 to 60	Ripping
Gulf Coast	434.735	434.735	560	Dense material	Noncemented	48	40 to 60	Ripping
Gulf Coast	434.781	434.781	919	Dense material	Noncemented	48	40 to 60	Ripping
Gulf Coast	434.993	434.993	1,459	Dense material	Noncemented	36	20 to 40	Ripping
Gulf Coast	436.115	436.115	1,148	Dense material	Noncemented	48	40 to 60	Ripping

Table K-9 Locations Potentially Requiring Ripping or Blasting Along the Keystone XL Pipeline

Pipeline Segment	Beginning Milepost	Ending Milepost	Distance Crossed (feet)	Bedrock Type	Hardness	Range of Depth to Top of Layer (inches)	Average Depth to Top of Layer (inches)	Potential Excavation Method
Gulf Coast	437.321	437.321	1,338	Dense material	Noncemented	48	40 to 60	Ripping
Gulf Coast	437.336	437.336	869	Dense material	Noncemented	56	40 to 60	Ripping
Gulf Coast	437.359	437.359	2,722	Dense material	Noncemented	45	40 to 60	Ripping
Gulf Coast	437.374	437.374	400	Dense material	Noncemented	45	40 to 60	Ripping
Gulf Coast	437.822	437.822	1,513	Dense material	Noncemented	45	40 to 60	Ripping
Gulf Coast	438.214	438.214	197	Dense material	Noncemented	44	40 to 60	Ripping
Gulf Coast	439.615	439.615	605	Dense material	Noncemented	44	40 to 60	Ripping
Gulf Coast	439.615	439.615	1,294	Dense material	Noncemented	36	20 to 40	Ripping
Gulf Coast	439.651	439.651	900	Dense material	Noncemented	53	40 to 80	Ripping
Gulf Coast	439.652	439.652	1,086	Dense material	Noncemented	53	40 to 80	Ripping
Gulf Coast	440.455	440.455	394	Dense material	Noncemented	36	20 to 40	Ripping
Gulf Coast	440.490	440.490	355	Dense material	Noncemented	36	20 to 40	Ripping
Gulf Coast	441.514	441.514	659	Dense material	Noncemented	36	20 to 40	Ripping
Gulf Coast	442.183	442.183	639	Dense material	Noncemented	36	20 to 40	Ripping
Gulf Coast	442.206	442.206	691	Dense material	Noncemented	51	40 to 60	Ripping
Gulf Coast	442.235	442.235	490	Dense material	Noncemented	51	40 to 60	Ripping
Gulf Coast	442.252	442.252	1,204	Dense material	Noncemented	53	40 to 80	Ripping
Gulf Coast	443.315	443.315	656	Dense material	Noncemented	53	40 to 80	Ripping
Gulf Coast	444.315	444.315	353	Dense material	Noncemented	48	40 to 60	Ripping
Gulf Coast	445.169	445.169	355	Abrupt textural change	Noncemented	64	40 to 80	Ripping
Gulf Coast	445.172	445.172	344	Dense material	Noncemented	51	40 to 60	Ripping
Gulf Coast	445.205	445.205	362	Dense material	Noncemented	53	40 to 80	Ripping
Gulf Coast	445.210	445.210	513	Dense material	Noncemented	53	40 to 80	Ripping
Gulf Coast	446.084	446.084	668	Dense material	Noncemented	53	40 to 80	Ripping
Gulf Coast	446.344	446.344	288	Dense material	Noncemented	48	40 to 60	Ripping
Gulf Coast	446.344	446.344	815	Dense material	Noncemented	52	40 to 60	Ripping
Gulf Coast	446.892	446.892	61	Dense material	Noncemented	52	40 to 60	Ripping
Gulf Coast	446.893	446.893	882	Dense material	Noncemented	52	40 to 80	Ripping
Gulf Coast	447.589	447.589	341	Dense material	Noncemented	53	40 to 80	Ripping
Gulf Coast	447.591	447.591	367	Dense material	Noncemented	53	40 to 80	Ripping
Gulf Coast	447.714	447.714	1,958	Dense material	Noncemented	52	40 to 60	Ripping
Gulf Coast	447.826	447.826	559	Dense material	Noncemented	53	40 to 80	Ripping
Gulf Coast	447.845	447.845	939	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	448.006	448.006	117	Dense material	Noncemented	52	40 to 60	Ripping
Gulf Coast	448.020	448.020	92	Dense material	Noncemented	52	40 to 60	Ripping
Gulf Coast	448.684	448.684	265	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	449.614	449.614	351	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	450.314	450.314	222	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	450.323	450.323	40	Dense material	Noncemented	46	40 to 60	Ripping
Gulf Coast	450.356	450.356	754	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	450.359	450.359	373	Dense material	Noncemented	52	40 to 60	Ripping
Gulf Coast	451.684	451.684	171	Dense material	Noncemented	52	40 to 60	Ripping
Gulf Coast	452.684	452.684	178	Dense material	Noncemented	52	40 to 60	Ripping
Gulf Coast	453.658	453.658	84	Dense material	Noncemented	52	40 to 60	Ripping
Gulf Coast	454.714	454.714	167	Dense material	Noncemented	52	40 to 60	Ripping
Gulf Coast	455.684	455.684	350	Dense material	Noncemented	52	40 to 60	Ripping
Gulf Coast	456.414	456.414	283	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	457.006	457.006	1,328	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	457.006	457.006	330	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	457.048	457.048	498	Dense material	Noncemented	46	40 to 60	Ripping
Gulf Coast	457.049	457.049	614	Dense material	Noncemented	46	40 to 60	Ripping
Gulf Coast	458.414	458.414	946	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	459.614	459.614	258	Dense material	Noncemented	46	40 to 60	Ripping
Gulf Coast	460.037	460.037	3,052	Dense material	Noncemented	46	40 to 60	Ripping
Gulf Coast	460.053	460.053	772	Dense material	Noncemented	46	40 to 60	Ripping
Gulf Coast	460.380	460.380	318	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	460.384	460.384	225	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	460.417	460.417	352	Dense material	Noncemented	46	40 to 60	Ripping
Gulf Coast	460.422	460.422	637	Dense material	Noncemented	46	40 to 60	Ripping
Gulf Coast	460.733	460.733	647	Dense material	Noncemented	46	40 to 60	Ripping
Gulf Coast	460.734	460.734	885	Dense material	Noncemented	46	40 to 60	Ripping
Gulf Coast	460.770	460.770	693	Dense material	Noncemented	46	40 to 60	Ripping
Gulf Coast	460.770	460.770	589	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	461.665	461.665	639	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	462.684	462.684	492	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	463.248	463.248	268	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	463.684	463.684	421	Dense material	Noncemented	52	40 to 60	Ripping
Gulf Coast	464.703	464.703	432	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	465.684	465.684	1,543	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	466.684	466.684	1,704	Dense material	Noncemented	68	49 to 80	Ripping
Gulf Coast	467.868	467.868	608	Dense material	Noncemented	52	40 to 60	Ripping
Gulf Coast	467.868	467.868	83	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	467.904	467.904	791	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	467.904	467.904	837	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	468.665	468.665	866	Paralithic bedrock	-------	40	20 to 40	Ripping

Table K-9 Locations Potentially Requiring Ripping or Blasting Along the Keystone XL Pipeline

Pipeline Segment	Beginning Milepost	Ending Milepost	Distance Crossed (feet)	Bedrock Type	Hardness	Range of Depth to Top of Layer (inches)	Average Depth to Top of Layer (inches)	Potential Excavation Method
Gulf Coast	469.904	469.904	413	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	469.922	469.922	197	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	471.114	471.114	797	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	472.106	472.106	579	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	472.114	472.114	703	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	472.197	472.197	4,953	Dense material	Noncemented	68	49 to 80	Ripping
Gulf Coast	472.204	472.204	122	Dense material	Noncemented	68	49 to 80	Ripping
Gulf Coast	473.114	473.114	691	Dense material	Noncemented	68	49 to 80	Ripping
Gulf Coast	474.114	474.114	426	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	476.102	476.102	557	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	476.103	476.103	284	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	477.169	477.169	363	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	477.170	477.170	324	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	478.184	478.184	358	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	479.259	479.259	189	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	479.259	479.259	1,073	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	479.295	479.295	1,176	Dense material	Noncemented	68	49 to 80	Ripping
Gulf Coast	479.295	479.295	1,718	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	480.614	480.614	871	Dense material	Noncemented	34	20 to 40	Ripping
Gulf Coast	480.614	480.614	1,277	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	480.672	480.672	156	Dense material	Noncemented	26	20 to 40	Ripping
Gulf Coast	480.936	480.936	951	Dense material	Noncemented	26	20 to 40	Ripping
Gulf Coast	480.936	480.936	420	Paralithic bedrock	-------	40	20 to 40	Ripping
Gulf Coast	481.684	481.684	436	Dense material	Noncemented	60	60 to 80	Ripping
Gulf Coast	482.684	482.684	696	Dense material	Noncemented	40	40 to 60	Ripping
Gulf Coast	483.389	483.389	23	Dense material	Noncemented	40	40 to 60	Ripping
Gulf Coast	483.391	483.391	2,354	Dense material	Noncemented	40	40 to 60	Ripping
Gulf Coast	483.425	483.425	670	Dense material	Noncemented	40	40 to 60	Ripping
Gulf Coast	483.428	483.428	597	Dense material	Noncemented	60	60 to 80	Ripping
Gulf Coast	484.019	484.019	5,045	Dense material	Noncemented	41	40 to 60	Ripping
Gulf Coast	484.703	484.703	1,312	Dense material	Noncemented	41	40 to 60	Ripping
Gulf Coast	484.957	484.957	516	Dense material	Noncemented	51	40 to 60	Ripping
Gulf Coast	484.957	484.957	475	Dense material	Noncemented	51	40 to 60	Ripping
Gulf Coast	485.106	485.106	483	Dense material	Noncemented	51	40 to 60	Ripping
Gulf Coast	485.108	485.108	648	Dense material	Noncemented	51	40 to 60	Ripping
Gulf Coast	485.706	485.706	499	Dense material	Noncemented	51	40 to 60	Ripping
Gulf Coast	486.821	486.821	153	Dense material	Noncemented	51	40 to 60	Ripping
Gulf Coast	487.706	487.706	1,551	Dense material	Noncemented	46	40 to 60	Ripping
Gulf Coast	488.799	488.799	2,904	Dense material	Noncemented	46	40 to 60	Ripping
Gulf Coast	488.800	488.800	200	Dense material	Noncemented	46	40 to 60	Ripping
Gulf Coast	488.836	488.836	335	Dense material	Noncemented	46	40 to 60	Ripping
Gulf Coast	488.837	488.837	1,437	Dense material	Noncemented	46	40 to 60	Ripping
Gulf Coast	489.184	489.184	222	Dense material	Noncemented	37	20 to 40	Ripping
Gulf Coast	489.684	489.684	292	Dense material	Noncemented	37	20 to 40	Ripping
Gulf Coast	490.670	490.670	592	Dense material	Noncemented	37	20 to 40	Ripping
Gulf Coast	490.672	490.672	512	Dense material	Noncemented	46	40 to 60	Ripping
Gulf Coast	490.731	490.731	724	Dense material	Noncemented	46	40 to 60	Ripping
Gulf Coast	491.976	491.976	322	Dense material	Noncemented	46	40 to 60	Ripping
Gulf Coast	491.977	491.977	848	Dense material	Noncemented	46	40 to 60	Ripping
Gulf Coast	492.320	492.320	807	Dense material	Noncemented	37	20 to 40	Ripping
Gulf Coast	492.357	492.357	681	Dense material	Noncemented	37	20 to 40	Ripping
Gulf Coast	492.442	492.442	411	Dense material	Noncemented	37	20 to 40	Ripping
Gulf Coast	492.447	492.447	343	Dense material	Noncemented	37	20 to 40	Ripping
Gulf Coast	492.754	492.754	1,922	Dense material	Noncemented	37	20 to 40	Ripping
Gulf Coast	492.789	492.789	1,918	Paralithic bedrock	-------	25	20 to 40	Ripping
Gulf Coast	492.878	492.878	690	Paralithic bedrock	-------	56	56 to 80	Ripping
Gulf Coast	492.897	492.897	573	Paralithic bedrock	-------	56	56 to 80	Ripping
Gulf Coast	493.066	493.066	829	Paralithic bedrock	-------	56	56 to 80	Ripping
Gulf Coast	493.069	493.069	700	Paralithic bedrock	-------	56	56 to 80	Ripping
Gulf Coast	493.191	493.191	587	Paralithic bedrock	-------	48	40 to 60	Ripping
Gulf Coast	493.203	493.203	2,433	Paralithic bedrock	-------	25	20 to 40	Ripping
Gulf Coast	493.233	493.233	665	Paralithic bedrock	-------	56	56 to 80	Ripping
Gulf Coast	493.240	493.240	820	Paralithic bedrock	-------	56	56 to 80	Ripping
Gulf Coast	493.297	493.297	951	Paralithic bedrock	-------	44	40 to 60	Ripping
Gulf Coast	493.323	493.323	2,604	Paralithic bedrock	-------	44	40 to 60	Ripping
Gulf Coast	494.362	494.362	2,382	Paralithic bedrock	-------	25	20 to 40	Ripping
Gulf Coast	494.363	494.363	124	Natric	Noncemented	39	25 to 40	Ripping
Gulf Coast	494.397	494.397	504	Paralithic bedrock	-------	25	20 to 40	Ripping
Gulf Coast	494.398	494.398	1,111	Paralithic bedrock	-------	56	56 to 80	Ripping
Gulf Coast	495.185	495.185	715	Paralithic bedrock	-------	56	56 to 80	Ripping
Gulf Coast	495.297	495.297	1,005	Paralithic bedrock	-------	56	56 to 80	Ripping
Gulf Coast	495.298	495.298	964	Paralithic bedrock	-------	56	56 to 80	Ripping
Gulf Coast	495.335	495.335	399	Paralithic bedrock	-------	44	40 to 60	Ripping
Gulf Coast	495.336	495.336	304	Paralithic bedrock	-------	44	40 to 60	Ripping
Gulf Coast	496.041	496.041	165	Paralithic bedrock	-------	44	40 to 60	Ripping

Table K-9 Locations Potentially Requiring Ripping or Blasting Along the Keystone XL Pipeline

Pipeline Segment	Beginning Milepost	Ending Milepost	Distance Crossed (feet)	Bedrock Type	Hardness	Range of Depth to Top of Layer (inches)	Average Depth to Top of Layer (inches)	Potential Excavation Method
Gulf Coast	496.072	496.072	668	Paralithic bedrock	-------	44	40 to 60	Ripping
Gulf Coast	496.114	496.114	649	Paralithic bedrock	-------	44	40 to 60	Ripping
Gulf Coast	496.130	496.130	2,084	Paralithic bedrock	-------	56	56 to 80	Ripping
Gulf Coast	496.184	496.184	277	Paralithic bedrock	-------	56	56 to 80	Ripping
Gulf Coast	496.527	496.527	830	Paralithic bedrock	-------	56	56 to 80	Ripping
Gulf Coast	496.646	496.646	196	Paralithic bedrock	-------	56	56 to 80	Ripping
Gulf Coast	496.651	496.651	941	Paralithic bedrock	-------	27	20 to 40	Ripping
Gulf Coast	496.761	496.761	180	Paralithic bedrock	-------	44	40 to 60	Ripping
Gulf Coast	496.776	496.776	1,123	Paralithic bedrock	-------	44	40 to 60	Ripping
Gulf Coast	497.184	497.184	685	Paralithic bedrock	-------	48	40 to 60	Ripping
Gulf Coast	497.527	497.527	310	Paralithic bedrock	-------	48	40 to 60	Ripping
Gulf Coast	498.184	498.184	364	Paralithic bedrock	-------	27	20 to 40	Ripping
Gulf Coast	499.533	499.533	537	Paralithic bedrock	-------	27	20 to 40	Ripping
Gulf Coast	499.534	499.534	716	Paralithic bedrock	-------	27	20 to 40	Ripping
Gulf Coast	499.570	499.570	712	Paralithic bedrock	-------	56	56 to 80	Ripping
Gulf Coast	499.571	499.571	339	Paralithic bedrock	-------	56	56 to 80	Ripping
Gulf Coast	499.775	499.775	353	Paralithic bedrock	-------	44	40 to 60	Ripping
Gulf Coast	499.777	499.777	1,717	Paralithic bedrock	-------	56	56 to 80	Ripping
Gulf Coast	499.811	499.811	154	Paralithic bedrock	-------	25	20 to 40	Ripping
Gulf Coast	499.813	499.813	3,320	Paralithic bedrock	-------	25	20 to 40	Ripping
Gulf Coast	500.669	500.669	226	Natric	Noncemented	39	25 to 40	Ripping
Gulf Coast	500.670	500.670	575	Dense material	Noncemented	50	40 to 60	Ripping
Gulf Coast	500.706	500.706	1,129	Natric	Noncemented	39	25 to 40	Ripping
Gulf Coast	500.707	500.707	840	Paralithic bedrock	-------	48	40 to 60	Ripping
Gulf Coast	501.226	501.226	1,902	Paralithic bedrock	-------	48	40 to 60	Ripping
Gulf Coast	501.233	501.233	711	Paralithic bedrock	-------	48	40 to 60	Ripping
Gulf Coast	501.347	501.347	3,655	Paralithic bedrock	-------	48	40 to 60	Ripping
Gulf Coast	501.353	501.353	162	Paralithic bedrock	-------	48	40 to 60	Ripping
Gulf Coast	501.646	501.646	925	Paralithic bedrock	-------	48	40 to 60	Ripping
Gulf Coast	501.727	501.727	3,619	Paralithic bedrock	-------	50	40 to 60	Ripping
Gulf Coast	502.760	502.760	1,520	Paralithic bedrock	-------	50	40 to 60	Ripping
Gulf Coast	502.760	502.760	1,077	Paralithic bedrock	-------	45	40 to 60	Ripping
Gulf Coast	502.796	502.796	2,258	Paralithic bedrock	-------	45	40 to 60	Ripping
Gulf Coast	502.797	502.797	1,963	Paralithic bedrock	-------	45	40 to 60	Ripping
Gulf Coast	504.027	504.027	939	Paralithic bedrock	-------	45	40 to 60	Ripping
Gulf Coast	504.741	504.741	1,979	Paralithic bedrock	-------	45	40 to 60	Ripping
Gulf Coast	504.930	504.930	8,526	Paralithic bedrock	-------	45	40 to 60	Ripping
Gulf Coast	504.931	504.931	349	Paralithic bedrock	-------	45	40 to 60	Ripping
Gulf Coast	504.967	504.967	177	Paralithic bedrock	-------	45	40 to 60	Ripping
Gulf Coast	504.967	504.967	795	Paralithic bedrock	-------	45	40 to 60	Ripping
Gulf Coast	506.027	506.027	794	Paralithic bedrock	-------	45	40 to 60	Ripping
Gulf Coast	507.027	507.027	497	Paralithic bedrock	-------	45	40 to 60	Ripping
Gulf Coast	507.155	507.155	1,497	Paralithic bedrock	-------	45	40 to 60	Ripping
Gulf Coast	507.155	507.155	805	Paralithic bedrock	-------	18	15 to 40	Ripping
Gulf Coast	507.191	507.191	283	Paralithic bedrock	-------	45	40 to 60	Ripping
Gulf Coast	507.192	507.192	646	Paralithic bedrock	-------	45	40 to 60	Ripping
Gulf Coast	507.727	507.727	3,137	Paralithic bedrock	-------	45	40 to 60	Ripping
Gulf Coast	508.513	508.513	517	Paralithic bedrock	-------	45	40 to 60	Ripping
Gulf Coast	508.513	508.513	892	Paralithic bedrock	-------	45	40 to 60	Ripping
Gulf Coast	508.553	508.553	1,384	Paralithic bedrock	-------	45	40 to 60	Ripping
Gulf Coast	508.553	508.553	661	Paralithic bedrock	-------	45	40 to 60	Ripping
Gulf Coast	509.404	509.404	7,713	Paralithic bedrock	-------	45	40 to 60	Ripping
Gulf Coast	509.405	509.405	3,532	Dense material	Noncemented	54	40 to 60	Ripping
Gulf Coast	509.438	509.438	1,575	Dense material	Noncemented	54	40 to 60	Ripping
Gulf Coast	509.440	509.440	1,004	Dense material	Noncemented	54	40 to 60	Ripping
Gulf Coast	509.771	509.771	307	Dense material	Noncemented	54	40 to 60	Ripping
Gulf Coast	509.771	509.771	1,063	Dense material	Noncemented	54	40 to 60	Ripping
Gulf Coast	509.854	509.854	763	Dense material	Noncemented	54	40 to 60	Ripping
Gulf Coast	509.854	509.854	798	Dense material	Noncemented	54	40 to 60	Ripping
Gulf Coast	511.030	511.030	286	Dense material	Noncemented	54	40 to 60	Ripping
Gulf Coast	511.786	511.786	4,822	Dense material	Noncemented	54	40 to 60	Ripping
HOUSTON LATERAL								
None								