

Table B – Areas of Soils in the Project Area with High Susceptibility to Water Erosion

Table B: Areas of Soils in the Project Area with High Susceptibility to Water Erosion

Map Unit Symbol	Map Unit Name	Kw ¹	Facility	Pipeline ID	Milepost ²	Length ³ (mi)	Length ³ (ft)	Area ³ (acres)
G473A	Aberdeen-Nahon silt loams, till substratum, 0 to 2 percent slopes	0.43	Pipeline	SDT-209	8	0.02	106	0.3
G472A	Aberdeen-Nahon silty clay loams, 0 to 2 percent slopes	0.49	Pipeline, Access Road, MLV	SDI-320 SDM-105 SDT-209 SDI-515	33, 34, 36, 37, 38, 39, 40, 42, 43, 47, 49, 51, 52, 53, 54, 55, 56, 57, 59, 63 64 1, 11, 12 0, 1, 13, 14, 15, 16, 17, 20, 21	9.4	49,632	128.3
G475A	Aberdeen-Nahon-Heil silt loams, 0 to 2 percent slopes	0.49	Pipeline	SDM-105 SDT-209 SDI-515	5, 34, 37, 42, 45, 46, 62 5 21	1.0	5,280	14.2
G476A	Aberdeen-Nahon-Heil silt loams, till substratum, 0 to 2 percent slopes	0.43	Pipeline	SDM-105 SDT-209	27 1	0.1	528	1.4
AcB	Alcester silty clay loam, 2 to 6 percent slopes	0.49	Pipeline	SDM-104	50	0.005	26	0.2
Ac	Alcester silty clay loam, cool, 0 to 2 percent slopes	0.49	Pipeline	SDT-212	11, 13, 14	0.3	1,584	4.3
AcB	Alcester silty clay loam, cool, 2 to 6 percent slopes	0.49	Pipeline	SDM-104	80	0.05	264	0.8
Ba	Badger silty clay loam, 0 to 1 percent slopes	0.49	Pipeline	SDT-411	1, 3, 4, 8	0.4	2,112	4.7
Ba	Badger-Tonka silty clay loams, coteau, 0 to 1 percent slopes	0.49	Pipeline	SDT-208	36	0.04	211	0.5
Ba	Badus silty clay loam	0.43	Pipeline, Access Road, Launcher/Receiver, MLV	SDI-513 SDM-104 SDT-206	18, 20, 22, 23, 27, 28, 29, 30, 31, 32, 33 86, 90 2, 12, 14	2.0	10,560	26.0
C400A	Bearden silt loam, 0 to 2 percent slopes	0.49	Pipeline	NDM-106 SDI-515	24 3	0.09	475	1.4
G433B	Bearden, saline-Huffton-Putney silt loams, 0 to 6 percent slopes	0.43	Pipeline	SDI-515	14	0.04	211	0.5
G871A	Beotia silt loam, 0 to 2 percent slopes	0.49	Pipeline	SDM-105 SDT-209 SDI-515	52 9 4, 6, 7, 8, 9, 18, 19	1.5	7,920	17.6
G872A	Beotia-Rondell silt loams, 0 to 2 percent slopes	0.49	Pipeline, MLV, Access Road	SDI-515	1, 3, 19, 20	0.5	2,640	5.7
G873A	Beotia-Winship silt loams, 0 to 2 percent slopes	0.49	Pipeline, Access Road	SDM-105 SDT-209 SDI-515	48, 49 0, 9, 10 1, 2, 3, 4, 5, 8, 11, 14	0.9	4,752	10.7
G874A	Beotia-Winship silt loams, till substratum, 0 to 2 percent slopes	0.49	Pipeline	SDM-105	30	0.04	211	0.5
LeA	Bon-Northville complex, nearly level	0.49	Pipeline	SDI-320	51, 65	0.2	1,056	2.0
Z181A	Brandt silty clay loam, 0 to 2 percent slopes	0.49	Pipeline	SDI-513	10	0.1	528	1.1
Z190A	Brookings silty clay loam, 0 to 2 percent slopes	0.49	Pipeline	SDI-514	37, 38, 41, 42, 44, 46, 47, 48	0.5	2,640	6.1
C732B	Bryant silt loam, 2 to 6 percent slopes	0.49	Pipeline	SDM-105	79, 97, 98, 100	0.7	3,696	9.1
C732C	Bryant silt loam, 6 to 9 percent slopes	0.49	Pipeline	SDM-105 NDM-106	79, 100 3, 4	0.2	1,056	3.8
C745B	Bryant-Grassna silt loams, 2 to 6 percent slopes	0.49	Pipeline	NDM-106	3, 4	0.3	1,584	4.1
G717A	Camtown-Turton loams, 0 to 2 percent slopes	0.55	Pipeline	SDM-105	52	0.05	264	0.8
Cd	Chancellor-Viborg silty clay loams	0.43	Pipeline, Access Road	SDT-409 SDM-104	5 30, 31, 32, 33, 35	1.0	5,280	13.7
Ch	Chancellor-Wakonda-Tetonka complex	0.43	Pipeline	SDM-104	35, 37, 39, 40, 41	1.2	6,336	15.6
Fa	Chaska loam	0.49	Pipeline	IAL-510	3	0.1	528	0.7
G045A	Colvin silty clay loam, 0 to 1 percent slopes	0.49	Pipeline	SDI-515	--	--	-	0.08
Co	Colvin-Oldham silty clay loams	0.43	Pipeline	SDT-208	17, 23	0.2	1,056	1.5
Bc, Cu, J122A	Cubden silty clay loam, 0 to 2 percent slopes	0.49	Pipeline	SDT-411 SDT-208 SDI-514	1 9,10, 11, 35, 36 13, 17, 18, 19	0.7	3,696	9.0
Co, Cu, Cv, J123A	Cubden-Badger silty clay loams, coteau, 0 to 2 percent slopes	0.49	Pipeline	SDT-411 SDT-208 SDI-513	0, 1, 2, 5, 7, 8 8, 10, 17, 18, 20, 21, 23, 24, 26, 27, 32, 36, 37 12, 13	2.4	12,672	29.5
Ct, Cw, Cx, J124A	Cubden-Tonka silty clay loams, coteau, 0 to 2 percent slopes	0.49	Pipeline, MLV, Access Road	SDT-208 SDI-513	11, 12, 13, 14, 15, 16, 17, 19, 20, 24, 26, 28, 30, 31, 33, 34, 38, 39 14	2.9	15,312	34.8
CS21B	Daglum-Rhoades loams, 0 to 6 percent slopes, shaly	0.49	Pipeline	SDT-210	9	0.1	528	1.8
DaB	Davis loam, 2 to 6 percent slopes	0.43	Pipeline	SDT-212	9	0.06	317	0.5
DmA	Dempster silt loam, 0 to 2 percent slopes	0.43	Pipeline, Access Road, MLV	SDM-104 SDT-206 SDI-513 IAL-510	27, 28 4, 5, 6, 7, 9 15, 20 0, 1	1.8	9,504	25.7
DmB	Dempster silt loam, 2 to 6 percent slopes	0.43	Pipeline	SDM-104 SDT-206 SDI-513	28 4, 5 15, 16, 20, 21	1.1	5,808	13.7
De	Dempster silty clay loam	0.43	Pipeline, Access Road, MLV	IAL-510	1, 2	0.4	2,112	5.2
DpC	Dempster-Delmont complex, 6 to 9 percent slopes	0.43	Pipeline	SDT-206	4, 5	0.09	475	1.2

Table B: Areas of Soils in the Project Area with High Susceptibility to Water Erosion

Map Unit Symbol	Map Unit Name	Kw ¹	Facility	Pipeline ID	Milepost ²	Length ³ (mi)	Length ³ (ft)	Area ³ (acres)
DgB	Dempster-Graceville silty clay loams, 1 to 5 percent slopes	0.43	Pipeline	SDM-104	54	0.05	264	1.0
DtB	Dempster-Talmo complex, 2 to 6 percent slopes	0.43	Pipeline	SDT-212	15	0.06	317	0.6
C496A	Dovecreek silt loam, 0 to 2 percent slopes	0.55	Pipeline	SDM-105	78	0.08	422	1.2
C492A	Dovecreek-Fluvaquents channeled, complex, 0 to 2 percent slopes, flooded	0.55	Pipeline, MLV	SDM-105	78	0.2	1,056	3.6
DkA, Du, Dx, Mda	Dudley-Jerauld silt loams, 0 to 2 percent slopes	0.43	Pipeline, Access Road, MLV	SDT-208 SDT-207 SDM-105 SDM-104 SDL-320	48 7 8, 9, 10 144, 145, 146 55, 56, 68, 70	2.9	15,312	39.8
Du	Durrstein and Egas soils	0.49	Pipeline	SDL-320	18	0.2	1,056	1.0
Dh	Durrstein silt loam	0.49	Pipeline	SDT-410	20, 21	0.2	1,056	1.7
EtA	Durrstein silty clay loam, nearly level	0.43	Pipeline	SDL-320	59, 60, 61, 64, 65	0.7	3,696	6.6
RhA	Eakin-Raber complex, 0 to 2 percent slopes	0.49	Pipeline, Access Road, Launcher/Receiver, MLV	SDL-320	0, 1, 3, 4, 8, 9, 10, 11, 12, 13, 14, 15	3.2	16,896	40.1
RgB	Eakin-Raber complex, 2 to 6 percent slopes	0.49	Pipeline	SDL-320	1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 14, 15	3.3	17,424	41.0
G493B	Eckman-Gardena very fine sandy loams, 2 to 6 percent slopes	0.49	Pipeline	SDL-515	11	0.06	317	0.7
G493A	Eckman-Gardena very fine sandy loams, 0 to 2 percent slopes	0.49	Pipeline	SDL-515	4	0.05	264	0.7
EaB	Egan silty clay loam, 3 to 6 percent slopes	0.43	Pipeline	SDM-104 SDT-409	28, 31, 32, 35, 44, 45, 46, 47 2, 3, 4, 5, 6, 7, 8	2.6	13,728	36.4
EaC	Egan silty clay loam, 6 to 11 percent slopes	0.49	Pipeline	SDL-513 SDM-104 SDT-206	16, 17, 20, 21, 27 89, 92, 94, 95 14	0.9	4,752	12.5
EbA	Egan-Beadle complex, 0 to 2 percent slopes	0.43	Pipeline	SDL-513 SDM-104	32 89	0.2	1,056	3.1
EbB	Egan-Beadle complex, 2 to 6 percent slopes	0.43	Pipeline, Access Road	SDL-513 SDM-104 SDT-206	15, 17, 22, 25, 26, 28, 30, 31, 32 85, 86, 87, 89, 90, 91, 93, 94, 95, 96 2, 3, 9, 10, 12, 13, 14	4.9	25,872	65.6
EbC	Egan-Beadle complex, 6 to 9 percent slopes	0.43	Pipeline	SDL-513 SDM-104 SDT-206	23, 25, 27, 30, 31 89, 91, 93, 94, 95, 96 3, 14	1.2	6,336	15.3
EcB	Egan-Chancellor silty clay loams, 0 to 4 percent slopes	0.43	Pipeline	SDM-104 SDT-409	31 3	0.1	528	1.6
EaB, EeB	Egan-Ethan complex, 2 to 6 percent slopes	0.43	Pipeline	SDM-104 SDT-206 SDT-212 SDT-409	51, 52, 53, 54, 73, 79, 84, 85 1, 2 9, 10, 11, 12, 13, 14, 15 1, 2	4.4	23,232	61.3
EaC	Egan-Ethan complex, 5 to 9 percent slopes	0.43	Pipeline	SDM-104	82, 83, 84	0.6	3,168	8.6
EeC2	Egan-Ethan complex, 6 to 9 percent slopes, eroded	0.43	Pipeline, Access Road, MLV	SDL-513 SDM-104 SDT-206	15, 16, 17, 18, 19, 25, 28, 29, 30 84, 85, 86, 87, 88, 90, 91, 93, 94, 95, 96, 97 0, 1, 2, 3, 8, 9, 13, 14	3.9	20,592	49.7
EeB	Egan-Ethan-Trent complex, 1 to 6 percent slopes	0.43	Pipeline, Access Road, MLV, Pump Station	SDM-104 SDT-212	55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82 16, 17, 18	11.2	59,136	165.6
EsB	Egan-Shindler complex, 2 to 6 percent slopes	0.43	Pipeline	SDM-104 SDT-409	29, 45, 47, 48, 49, 50 3, 4, 5, 6, 7	2.8	14,784	39.3
EsC	Egan-Shindler complex, 6 to 9 percent slopes	0.43	Pipeline	SDM-104 SDT-409	49, 50, 51 2, 3, 4, 5	0.6	3,168	11.1
EfA	Egan-Trent silty clay loams, 0 to 2 percent slopes	0.43	Pipeline, Access Road, MLV	SDM-104 SDT-212 SDT-409	57, 75 1, 9, 10, 11, 12, 14 0, 1	1.8	9,504	23.3
EgA	Egan-Viborg silty clay loams, 0 to 3 percent slopes	0.43	Pipeline, MLV, Access Road	SDL-513 SDM-104 SDT-206	22, 23, 24, 25, 26, 27 85, 86, 87 7, 11, 13	2.8	14,784	34.4
WeA	Egan-Wentworth complex, 0 to 2 percent slopes	0.49	Pipeline, Access Road, MLV	SDL-513 SDM-104	29 95	0.1	528	2.0
EgB, EhB	Egan-Wentworth complex, 2 to 6 percent slopes	0.49	Pipeline, Access Road, MLV, Pump Station, Launcher/Receiver	SDM-104 SDT-212 SDT-409 SDL-513 SDT-206	52, 53, 54, 85, 86, 87, 88, 89, 91, 92, 93, 94, 95, 96 9, 10, 11, 12, 13, 14, 15 0, 1, 2 16, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 2, 3, 5, 7, 8, 9, 10, 11, 12, 13, 14	12.7	67,056	168.7
EgB	Egan-Wentworth-Trent complex, 2 to 6 percent slopes	0.49	Pipeline, Access Road, MLV	SDM-104	54, 55, 63, 65, 66, 69, 70, 71, 74, 75, 79	1.4	7,392	22.9
EwB	Egan-Worthing complex, 0 to 6 percent slopes	0.43	Pipeline	SDM-104	49	0.2	1,056	2.8
HbB	Esmond-Heimdal-Sisseton complex, 2 to 6 percent slopes	0.43	Pipeline, Access Road, MLV	SDL-514	3	0.09	475	1.3

Table B: Areas of Soils in the Project Area with High Susceptibility to Water Erosion

Map Unit Symbol	Map Unit Name	Kw ¹	Facility	Pipeline ID	Milepost ²	Length ³ (mi)	Length ³ (ft)	Area ³ (acres)
HbC	Esmond-Sisseton-Heimdal, complex, 2 to 12 percent slopes, moderately eroded	0.43	Pipeline, Access Road, MLV	SDL-514	0, 1, 2, 3, 4, 6, 7, 8, 9	1.4	7,392	17.8
Z182A	Estelline silt loam, coteau, 0 to 2 percent slopes	0.49	Pipeline, Access Road	SDL-513 SDL-514	10, 11, 15 38, 39	1.3	6,864	16.1
Z182B	Estelline silt loam, coteau, 2 to 6 percent slopes	0.49	Pipeline	SDL-513	10, 11, 12	0.4	2,112	4.7
Ec	Estelline silty clay loam	0.43	Pipeline	SDL-514	2	0.06	317	0.9
Z282B	Estelline-Kampeska silt loams, 2 to 6 percent slopes	0.49	Pipeline	SDL-514 SDT-208	-- 10, 11	0.1	528	1.7
Z183B	Estelline-Sioux complex, coteau, 2 to 6 percent slopes	0.49	Pipeline	SDL-514	39	0.1	528	1.7
G845A	Exline-Aberdeen-Nahon silt loams, 0 to 2 percent slopes	0.49	Pipeline, Access Road, MLV	SDL-320 SDM-105 SDT-209 SDL-515	79, 80, 81 36, 46, 47, 54, 55, 59, 60 4 21, 22	2.9	15,312	37.6
G846A	Exline-Aberdeen-Nahon silt loams, till substratum, 0 to 2 percent slopes	0.49	Pipeline	SDL-320 SDM-105 SDT-209	81 64, 65 7, 8, 9	2.0	10,560	25.2
G847A	Exline-Harmony complex, till substratum, 0 to 2 percent slopes	0.49	Pipeline	NDT-211	97	0.1	528	1.5
G848A	Exline-Heil silt loams, 0 to 2 percent slopes	0.43	Pipeline	SDL-320 SDM-105 SDT-209	79, 80 46, 47, 56, 58, 63, 64 5, 6	1.1	5,808	12.1
G849A	Exline-Heil silt loams, till substratum, 0 to 2 percent slopes	0.49	Pipeline	SDT-209	7, 8	0.3	1,584	3.4
G850B	Exline-Putney silt loams, 1 to 6 percent slopes	0.49	Pipeline	SDL-515 SDM-105	2, 3, 14 63, 64	0.7	3,696	9.4
Z157A	Fairdale loam, channeled, 0 to 2 percent slopes, frequently flooded	0.43	Pipeline	SDL-513	9	0.2	1,056	1.4
FrA	Forestburg-Doger loamy fine sands, 0 to 3 percent slopes	0.43	Pipeline	SDT-207	4, 5, 6, 7	0.5	2,640	6.2
Gb, Gr	Graceville silty clay loam, 0 to 2 percent slopes	0.43	Pipeline	IAL-510 SDT-206 SDM-104	0, 1, 2, 3 5, 8 28, 51	2.4	12,672	30.4
C457A	Grassna silt loam, 0 to 2 percent slopes	0.49	Pipeline, Access Road	NDM-106	3, 26	0.3	1,584	5.2
G720A	Great Bend-Beotia silt loams, 0 to 2 percent slopes	0.49	Pipeline, Access Road, MLV	SDL-320 SDM-105 SDT-209 SDL-515	81, 82 30, 31, 32, 34, 35, 36, 40, 41, 42, 49, 50, 53, 55, 56, 57 0, 1, 3, 10 0, 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 18, 19, 20, 21	10.4	54,912	138.6
G720B	Great Bend-Beotia silt loams, 2 to 6 percent slopes	0.49	Pipeline, Access Road, MLV	SDM-105 SDT-209 SDL-515	35, 40, 41, 57 0, 10 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 18, 20	3.3	17,424	46.4
G721A	Great Bend-Beotia silt loams, till substratum, 0 to 2 percent slopes	0.49	Pipeline, Access Road	SDM-105	28, 29	0.3	1,584	4.0
G724A	Great Bend-Putney silt loams, 0 to 2 percent slopes	0.55	Pipeline, Access Road	SDM-105 SDT-209 SDL-515	33, 35, 36, 58 11 1, 2, 3	0.7	3,696	10.0
G724B	Great Bend-Putney silt loams, 2 to 6 percent slopes	0.55	Pipeline	SDM-105	49	0.07	370	1.6
G722B	Great Bend-Zell silt loams, 2 to 6 percent slopes	0.55	Pipeline	SDM-105 SDT-209 SDL-515	42, 49, 50, 51, 52 11 8	1.0	5,280	14.1
G722C	Great Bend-Zell silt loams, 6 to 9 percent slopes	0.55	Pipeline	SDM-105 SDT-209 SDL-515	49 1, 2, 3, 4, 10 3, 4, 9, 10, 11, 12, 13, 20	1.8	9,504	23.2
G861A	Harmony silty clay loam, 0 to 2 percent slopes	0.43	Pipeline	NDT-211	99, 100	0.3	1,584	3.9
G865A	Harmony-Aberdeen silt loams, till substratum, 0 to 2 percent slopes	0.55	Pipeline, Access Road, MLV	SDM-105	26, 27, 28	1.7	8,976	23.4
G866A	Harmony-Aberdeen silty clay loams, 0 to 2 percent slopes	0.49	Pipeline	SDM-105 SDT-209 SDL-515	32, 33, 34, 37, 40, 42, 43, 44, 47, 48, 51, 54, 56, 57, 58, 59, 63 0, 1, 3, 4, 7 1, 2, 15, 16, 17, 18, 19	7.0	36,960	96.2
G862A	Harmony-Beotia silt loams, 0 to 2 percent slopes	0.49	Pipeline, Access Road, MLV	SDM-105 SDL-515	32, 34, 37, 38, 39, 40, 42, 48, 49, 50, 53, 58, 59 0, 1, 2, 18, 19	4.3	22,704	57.2
G863A	Harmony-Beotia silt loams, till substratum, 0 to 2 percent slopes	0.49	Pipeline	SDM-105 SDT-209	27, 28, 29, 30, 31 3	1.6	8,448	22.0
G867A	Harmony-Exline complex, 0 to 2 percent slopes	0.49	Pipeline	NDT-211	97, 98, 99	1.0	5,280	13.0
G017A	Heil silt loam, till substratum, 0 to 1 percent slopes	0.43	Pipeline	SDM-105 SDT-209 NDT-211	25, 36, 66, 67 8, 9 90	0.6	3,168	7.4
HcA	Heimdal-Svea loams, 0 to 2 percent slopes	0.43	Pipeline	SDL-514	0, 1, 3, 4, 6, 8	1.0	5,280	13.8
HcB	Heimdal-Svea loams, 2 to 6 percent slopes	0.43	Pipeline, Access Road	SDL-514	0, 1, 2, 3, 4, 6, 7, 8	2.5	13,200	33.0
HkB	Henkin-Blendon fine sandy loams, 2 to 6 percent slopes	0.43	Pipeline	SDT-208	44	0.05	264	0.6

Table B: Areas of Soils in the Project Area with High Susceptibility to Water Erosion

Map Unit Symbol	Map Unit Name	Kw ¹	Facility	Pipeline ID	Milepost ²	Length ³ (mi)	Length ³ (ft)	Area ³ (acres)
HmA, HeA	Hetland silty clay loam, 0 to 2 percent slopes	0.43	Pipeline	SDT-208 SDT-411	17, 35, 36, 37, 38 3, 4	1.8	9,504	22.1
HeB, HmB	Hetland silty clay loam, 2 to 6 percent slopes	0.43	Pipeline	SDT-411 SDT-208	4, 7 38	0.7	3,696	9.1
Z252A	Hidewood silty clay loam, 0 to 2 percent slopes, frequently flooded	0.49	Pipeline	SDL-514	46	0.04	211	0.4
HeA	Highmore silt loam, 0 to 2 percent slopes	0.49	Pipeline	SDL-320	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	3.8	20,064	46.1
HeB	Highmore silt loam, 2 to 6 percent slopes	0.49	Pipeline	SDL-320	13, 19	0.09	475	1.2
HdA	Highmore-DeGrey silt loams, 0 to 2 percent slopes	0.49	Pipeline	SDL-320	13	0.09	475	1.2
HmA	Highmore-Walke silt loams, 0 to 2 percent slopes	0.49	Pipeline	SDL-320	9	0.3	1,584	3.4
Ho, Hv, Hk	Hoven silt loam, 0 to 1 percent slopes	0.43	Pipeline	SDL-320 SDT-207 SDT-410 SDM-105	0, 1, 7, 8, 17, 20, 21, 22, 26, 28, 36, 37, 39, 45, 48, 49 6, 7 19, 21, 22 0, 2	2.0	10,560	22.9
HuA	Huntimer silty clay loam, 0 to 2 percent slopes	0.43	Pipeline	SDM-104 SDT-409	45, 48, 53, 63, 64, 66, 70, 73, 74, 75, 76, 79, 83 6	1.5	7,920	23.1
HuB	Huntimer silty clay loam, 2 to 6 percent slopes	0.43	Pipeline	SDM-104	61, 74, 79, 80, 81, 82	0.7	3,696	9.6
MhB	Jerauld-Houdek complex, undulating	0.43	Pipeline, Access Road	SDL-320	66, 67	0.6	3,168	6.8
Ka	Kennebec silty clay loam	0.43	Pipeline	IAL-510	2	0.2	1,056	2.5
Z125B	Kings Lake-Buse-Waubay complex, 1 to 6 percent slopes	0.49	Pipeline	SDT-208 SDL-514	2 51, 52	0.4	2,112	5.0
J143A	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	0.43	Pipeline, Access Road, Launcher/Receiver	SDL-514 SDT-208	52 3, 4, 5, 6	1.4	7,392	18.4
J143B	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	0.43	Pipeline, Access Road, Launcher/Receiver	SDL-514 SDT-208	51, 52 2, 3, 4, 5, 6, 7	3.8	20,064	50.2
KrB	Kranzburg-Buse-Waubay complex, 1 to 6 percent slopes	0.43	Pipeline, Access Road	SDT-208	32, 38	0.2	1,056	2.8
G796A	Kranzburg-Cresbard silt loams, 0 to 2 percent slopes	0.43	Pipeline	SDM-105 SDT-209	26, 29 2, 3	0.6	3,168	7.1
G793B	Kranzburg-Zell-Aastad complex, 1 to 6 percent slopes	0.43	Pipeline, Access Road	SDL-320 SDM-105 SDT-209	81 32 3	0.3	1,584	5.1
G793C	Kranzburg-Zell-Aastad complex, 3 to 9 percent slopes	0.43	Pipeline	SDT-209	2	0.05	264	0.3
Lf	La Prairie-Fairdale loams, channeled	0.43	Pipeline	SDT-208	37	0.03	158	0.5
La	LaDelle silt loam	0.43	Pipeline	SDL-514	2, 7, 12, 13, 14, 19	1.4	7,392	18.3
G571A	LaDelle silt loam, 0 to 2 percent slopes, occasionally flooded	0.49	Pipeline, Access Road	SDM-105 SDT-209 SDL-515	32, 41, 42, 58, 59 1, 2, 10 11, 20	1.5	7,920	20.8
Lb	LaDelle silt loam, channeled	0.43	Pipeline	SDL-514	1, 2, 13, 23	0.2	1,056	2.2
G570A	LaDelle-Fluvaquents, channeled complex, 0 to 2 percent slopes, frequently flooded	0.49	Pipeline	SDM-105 SDT-209	32, 41 10	0.3	1,584	2.2
LpA	Lamo and Prosper soils, 0 to 3 percent slopes	0.43	Pipeline	SDT-410	1	0.04	211	0.5
Lm	Lamo silt loam	0.43	Pipeline	SDT-207	11	0.3	1,584	2.0
La	Lamo silty clay loam	0.43	Pipeline	SDM-104 SDT-410	114 24, 29, 30	0.6	3,168	7.2
La	Lamo silty clay loam, cool, 0 to 2 percent slopes, occasionally flooded	0.43	Pipeline, Access Road, MLV	SDL-513 SDM-104 SDT-206 SDT-409	15, 20, 21, 23 48, 50, 51 5, 6, 9 1	1.9	10,032	25.1
Z152A	Lamoure silty clay loam, coteau, 0 to 1 percent slopes, occasionally flooded	0.43	Pipeline	SDL-513 SDL-514	4, 8, 10, 11 26, 30, 31	0.8	4,224	11.2
G533A	Lamoure silty clay loam, somewhat poorly drained, 0 to 1 percent slopes, frequently flooded	0.43	Pipeline	SDM-105 SDL-515	50 3, 10, 11	0.4	2,112	4.0
Lr	Lamoure-Rauville silty clay loams, channeled	0.43	Pipeline	SDT-208	19	0.06	317	0.7
Z153A	Lamoure-Rauville silty clay loams, channeled, 0 to 2 percent slopes, frequently flooded	0.43	Pipeline, Access Road	SDL-513 SDL-514 SDT-208	4, 6 32, 33, 39 2	0.4	2,112	4.5
Z188B	Lanona-Swenoda fine sandy loams, coteau, 2 to 6 percent slopes	0.49	Pipeline	SDL-514	50	0.1	528	1.6
Ln	Lawet loam, 0 to 2 percent slopes	0.43	Pipeline	SDL-320	72	0.4	2,112	3.9
Z117A	Mckranz-Badger silty clay loams, 0 to 2 percent slopes	0.49	Pipeline	SDL-514 SDT-208	34, 37, 39, 41, 42, 43, 44, 45, 46 2, 3, 5	1.1	5,808	13.4
Z116A	Mckranz-Hidewood, frequently flooded, silty clay loams, 0 to 2 percent slopes	0.43	Pipeline	SDL-514 SDT-208	31, 34 5, 6	0.1	528	1.4
OnA	Mobridge silt loam, 0 to 2 percent slopes	0.49	Pipeline	SDL-320	0, 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18	3.8	20,064	47.1
G635A	Mollic Udarents silty, 0 to 2 percent slopes	0.55	Pipeline	SDL-515	4	0.04	211	0.6
C420A	Mondamin silty clay loam, 0 to 2 percent slopes	0.43	Pipeline	NDM-106	3	0.2	1,056	3.4

Table B: Areas of Soils in the Project Area with High Susceptibility to Water Erosion

Map Unit Symbol	Map Unit Name	Kw ¹	Facility	Pipeline ID	Milepost ²	Length ³ (mi)	Length ³ (ft)	Area ³ (acres)
Z160A	Moritz, occasionally flooded-Lamouré, frequently flooded, complex, 0 to 2 percent slopes	0.43	Pipeline, Access Road, MLV	SDL-513 SDL-514	2, 4, 5, 6, 7, 8, 9 39, 50, 51	1.9	10,032	22.7
G851A	Nahon-Aberdeen-Exline silt loams, 0 to 2 percent slopes	0.49	Pipeline, Access Road, Launcher/Receiver, Pump Station	SDL-320 SDM-105 SDT-209 SDL-515	81 33, 34, 36, 37, 38, 39, 40, 43, 44, 45, 46, 47, 48, 51, 53, 54, 55, 56, 57, 58, 59, 60, 62, 63 3, 4, 5, 6, 7, 11, 12, 13 1, 21, 22	11.5	60,720	106.3
G852A	Nahon-Aberdeen-Exline silt loams, till substratum, 0 to 2 percent slopes	0.49	Pipeline	SDT-209	8, 9	0.4	2,112	5.2
Ob	Obert silty clay loam, 0 to 1 percent slopes	0.43	Pipeline	SDM-104	79	0.03	158	0.5
Od	Oldham silty clay loam	0.43	Pipeline	SDT-411	6	0.1	528	0.9
Os	Onita-Hoven silt loams	0.49	Pipeline	SDL-320	20, 21	0.2	1,056	2.6
Oa	Overly silty clay loam	0.49	Pipeline	SDL-514	14	0.2	1,056	2.2
Ph, Pm	Playmoor silty clay loam	0.49	Pipeline	SDL-514 SDT-411	5, 15, 18 6, 7	0.3	1,584	2.9
G543A	Playmoor silty clay loam, 0 to 2 percent slopes, frequently flooded	0.49	Pipeline	SDM-105 SDL-515	52 10	0.2	1,056	1.8
J162B, PbB, PnB, PoB, PsB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	0.49	Pipeline, Access Road, MLV	SDT-208 SDL-513 SDT-411	8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 29 12, 13 1, 2, 5, 6, 7, 8	8.8	46,464	113.2
J162C, PbC, PsC, Poc	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	0.49	Pipeline	SDT-208 SDL-513 SDT-411	8, 9, 10, 11, 12, 13, 21, 25 14, 15 3, 6, 7	1.9	10,032	23.3
PoC	Poinsett-Rusklyn silty clay loams, 6 to 9 percent slopes	0.49	Pipeline	SDT-208	33, 35	0.2	1,056	3.0
PrB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	0.49	Pipeline, Access Road, MLV	SDT-208 SDT-411	32, 33, 34, 35, 37, 38, 39 2	1.6	8,448	20.2
J164A, Po, PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	0.49	Pipeline	SDT-208 SDL-514 SDT-411	8, 9, 10, 11, 12, 18, 19, 22, 25, 27, 28, 29, 30, 31, 32, 33, 34, 35, 37, 38, 39 1, 5, 6, 7 0, 5	3.7	19,536	48.7
J164B, PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	0.49	Pipeline, Access Road, MLV	SDT-208 SDL-513 SDT-411	12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 38, 39 13, 14, 15 0, 1, 2, 3, 5, 6, 7, 8	12.2	64,416	156.8
C031A	Rimlap-Heil silt loams, 0 to 1 percent slopes	0.49	Pipeline	SDM-105 SDT-210	-- 4, 5, 6, 8, 10, 11	0.4	2,112	5.1
G019A	Rimlap-Heil, till substratum silt loams, 0 to 1 percent slopes	0.49	Pipeline	NDT-211	91, 95, 96, 97	0.9	4,752	11.4
Sa	Salmo silty clay loam	0.43	Pipeline	SDT-208	45	0.08	422	0.8
Sa	Salmo silty clay loam, very wet	0.43	Pipeline	SDM-104 SDT-409	49, 50 6	0.3	1,584	4.0
SbE	Sisseton-Esmond complex, 12 to 40 percent slopes	0.43	Pipeline	SDL-514	2	0.05	264	0.3
ScD	Sisseton-Esmond-Heimdal, complex, 6 to 20 percent slopes, moderately eroded	0.43	Pipeline	SDL-514	1, 7, 8	0.1	528	1.9
DsA, Sd, St, Sy	Stickney-Dudley silt loams, 0 to 2 percent slopes	0.49	Pipeline, Access Road	SDM-104 SDM-105 SDT-207 SDT-208 SDT-410	148, 149, 151, 152 6, 7 0, 1, 2, 3, 6, 7, 9, 10, 15, 23 47, 48, 49, 51 31, 34	2.8	14,784	36.3
Su, Sv	Stickney-Dudley-Hoven silt loams, 0 to 2 percent slopes	0.49	Pipeline Access Road	SDL-320 SDM-105 SDM-104	71 7 142, 143, 144, 145, 146	1.3	6,864	18.3
J177A	Still lake-Graceland silty clay loams, 0 to 2 percent slopes	0.49	Pipeline	SDT-208	7, 8	0.5	2,640	5.7
J177B	Still lake-Graceland silty clay loams, 1 to 6 percent slopes	0.49	Pipeline	SDT-208	7, 8	0.3	1,584	3.4
C743B	Temvik-Grassna-Bearpaw complex, 0 to 6 percent slopes	0.49	Pipeline	NDM-106	26	0.2	1,056	2.8
Tb Te, Tp, TeA	Tetonka silt loam, 0 to 1 percent slopes	0.49	Pipeline	SDT-410 SDT-411 SDT-409 SDT-212 SDM-104 SDL-320	0, 2, 3, 4, 6, 9, 10, 13, 14, 17, 18, 19, 20, 22, 26, 27 13 0, 1 3, 4, 5, 6, 7, 9, 10, 11, 14 52, 53, 111, 112 45, 46, 50, 52, 53, 54, 55, 56, 57, 58, 62, 63, 64, 65, 66, 67, 68, 69, 70	3.5	18,480	39.3
Te	Tetonka silt loam, 0 to 2 percent slopes, frequently ponded	0.49	Pipeline	SDL-513 SDM-104 SDT-409 SDT-206	15, 16, 23, 31 34, 35, 37, 67, 92, 93, 98, 99, 101 4, 5 --	0.7	3,696	8.7

Table B: Areas of Soils in the Project Area with High Susceptibility to Water Erosion

Map Unit Symbol	Map Unit Name	Kw ¹	Facility	Pipeline ID	Milepost ²	Length ³ (mi)	Length ³ (ft)	Area ³ (acres)
TcA	Tetonka-Davison-Clarno complex, 0 to 2 percent slopes	0.43	Pipeline	SDT-410	12, 13	0.1	528	1.8
G007A	Tonka silt loam, silty substratum, 0 to 1 percent slopes	0.43	Pipeline	SDM-105 SDL-515	36, 49, 54, 58 18	0.4	2,112	3.8
Ta, To, Z101A,	Tonka silty clay loam, 0 to 1 percent slopes	0.49	Pipeline	SDL-514 SDT-208 SDT-411	8, 9, 10, 11, 16, 19, 25 9, 10, 11, 25, 31, 32 1, 2	0.7	3,696	8.7
VbA	Viborg silty clay loam, 0 to 2 percent slopes	0.49	Pipeline, Access Road	SDL-513 SDM-104 SDT-206	18, 19, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33 86, 88, 89, 90, 91, 94, 95, 96, 97 1, 2, 3, 5, 8, 9, 10, 12, 13, 14	4.1	21,648	56.8
VgB	Viborg-Egan silty clay loams, 2 to 6 percent slopes	0.49	Pipeline	SDM-104 SDT-206 SDL-513	91, 93, 94, 95 13 15, 16, 27	0.7	3,696	8.6
Z199B	Vienna-Barnes-Forestville loams, 1 to 6 percent slopes	0.43	Pipeline, Access Road, MLV	SDL-514	30, 31, 32, 33, 34, 35	2.9	15,312	35.5
Z192A	Vienna-Brookings complex, 0 to 2 percent slopes	0.43	Pipeline, Access Road, MLV	SDL-514	37, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49	2.7	14,256	35.4
Z192B	Vienna-Brookings complex, 1 to 6 percent slopes	0.43	Pipeline, Access Road, MLV	SDL-514	36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49	6.1	32,208	78.7
Wa	Wakonda-Chancellor complex, 0 to 2 percent slopes	0.55	Pipeline	SDM-104	73, 74, 78, 81	0.4	2,112	5.4
Wb	Waubay silty clay loam, 0 to 2 percent slopes	0.49	Pipeline	SDL-513	14, 15	0.03	158	0.3
J192A Wb	Waubay-Badger silty clay loams, 0 to 2 percent slopes	0.49	Pipeline	SDT-208 SDT-411	14 0, 1, 3, 6	0.4	2,112	5.0
WaA, WeA	Wentworth silty clay loam, 0 to 2 percent slopes	0.49	Pipeline	SDM-104 SDT-409	29, 30, 31, 32, 34, 41, 45, 46, 48, 84 5, 7, 8	2.9	15,312	40.3
WbB	Wentworth silty clay loam, 2 to 6 percent slopes	0.49	Pipeline	SDM-104	82, 83, 84	0.4	2,112	5.4
WhA	Wentworth-Chancellor silty clay loams, 0 to 2 percent slopes	0.43	Pipeline, Access Road, MLV, Launcher/Receiver	SDM-104 SDT-409	28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48 2, 3, 4, 6, 8	10.0	52,800	147.8
WcA	Wentworth-Chancellor-Wakonda silty clay loams, 0 to 2 percent slopes	0.49	Pipeline	SDM-104 SDT-212 SDT-409	62, 65, 73, 78 12, 13 0, 2	1.4	7,392	18.6
WcB	Wentworth-Ethan complex, 2 to 5 percent slopes	0.43	Pipeline	SDM-104	84	0.3	1,584	3.9
WhA	Wentworth-Trent complex, 0 to 2 percent slopes	0.49	Pipeline	SDM-104	66	0.2	1,056	3.0
Wh	Whitewood silt loam	0.43	Pipeline	SDM-104	84	0.05	264	0.8
Wh	Whitewood silty clay loam, 0 to 2 percent slopes, occasionally flooded	0.43	Pipeline, Pump Station, Access Road	SDL-513 SDM-104 SDT-206	17, 18, 22, 23, 24, 32 86, 87, 88, 89, 91, 92, 93, 94, 95, 96, 100 2, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14	2.3	12,144	32.2
G868A	Winship-Tonka silt loams, 0 to 1 percent slopes	0.49	Pipeline	SDM-105 SDT-209 SDL-515	33, 46, 50, 51, 52, 53, 55, 57, 58 6, 7, 11 0, 1, 2, 3, 7, 8, 11, 12, 13, 14, 15	1.3	6,864	15.9
G722E	Zell-Great Bend silt loams, 6 to 25 percent slopes	0.49	Pipeline	SDM-105 SDL-515	50 9, 10	0.1	528	1.2

Notes:

¹ Kw = erodibility in water factor; Kw over 0.40 considered highly susceptible to erosion by water.

² Approximate milepost, where soils are present; soils are scattered within these areas; -- signifies the polygon is not crossed by the pipeline centerline.

³ Approximate total length and area totaled over all polygons; -- signifies the polygon is not crossed by the pipeline centerline.

⁴ Acres are rounded.