

# **Appendix H**

## **Soil Types for the Bowman Wind Project**

Map Unit Name	Soil Name	Study Area		Project Area		Farmland Designation	Hydric Soil	K-Factor	Wind Erodibility Group	Slope Range
		Acres	%	Acres	%					
Ae	Alluvial land, strongly saline, 0 to 2 percent slopes	13.5	0.0%	5.5	0.0%	Not prime farmland	Yes	.17	6	0-5
Af	Alluvial land, wet, 0 to 2 percent slopes	6.5	0.0%	--	--	Not prime farmland	Yes	.17	6	0-5
AmB	Amor-Shambo loams, 3 to 6 percent slopes	149.8	0.1%	92.8	0.2%	Farmland of statewide importance	No	.28	6	0-5
ArA	Arnegard loam, 0 to 2 percent slopes	37.0	0.0%	6.3	0.0%	All areas are prime farmland	No	.24	6	0-5
ArB	Arnegard loam, 2 to 6 percent slopes	144.0	0.1%	60.0	0.1%	All areas are prime farmland	No	.24	6	0-5
Ba	Badland, 6 to 70 percent slopes	226.4	0.2%	3.9	0.0%	Not prime farmland	No	.37	4L	>30
BeA	Belfield silt loam, 0 to 2 percent slopes	254.1	0.2%	87.1	0.2%	Farmland of statewide importance	No	.37	6	0-5
BeB	Belfield silt loam, 2 to 6 percent slopes	299.5	0.3%	98.3	0.2%	Farmland of statewide importance	No	.37	6	0-5
BfA	Belfield silty clay loam, 0 to 2 percent slopes	44.1	0.0%	37.0	0.1%	Farmland of statewide importance	No	.32	6	0-5
BfB	Belfield silty clay loam, 2 to 6 percent slopes	82.5	0.1%	36.7	0.1%	Farmland of statewide importance	No	.32	6	0-5
Bk	Blown-out land-Ladner-Ekalaka complex, 0 to 15 percent slopes	204.0	0.2%	--	--	Not prime farmland	No	.02	1	0-5
BoC	Boxwell loam, 6 to 9 percent slopes	47.5	0.0%	13.0	0.0%	Farmland of statewide importance	No	.28	6	>5-8
BrD	Boxwell-Cabbart loams, 6 to 15 percent slopes	114.7	0.1%	38.1	0.1%	Not prime farmland	No	.28	6	>5-8
BtB	Boxwell-Kremlin loams, 0 to 6 percent slopes	59.4	0.1%	31.9	0.1%	Farmland of statewide importance	No	.28	6	0-5
BuD	Brandenburg-Cabba complex, 6 to 70 percent slopes	95.2	0.1%	57.9	0.1%	Not prime farmland	No	.15	6	>30
CbC	Cabba-Amor loams, 6 to 9 percent slopes	3.6	0.0%	3.6	0.0%	Not prime farmland	No	.28	4L	>5-8
CbD	Cabba-Amor loams, 9 to 15 percent slopes	4.4	0.0%	1.5	0.0%	Not prime farmland	No	.28	4L	>8-15
Ce	Cabba and Wayden stony soils, 3 to 35 percent slopes	958.9	0.9%	299.4	0.7%	Not prime farmland	No	.05	8	>15-30
CgC	Cabbart-Boxwell loams, 3 to 9 percent slopes	131.1	0.1%	44.1	0.1%	Not prime farmland	No	.28	4L	>5-8
CgD	Cabbart-Boxwell loams, 6 to 15 percent slopes	276.1	0.3%	97.5	0.2%	Not prime farmland	No	.28	4L	>8-15
ChE	Cabbart complex, 6 to 35 percent slopes	595.2	0.6%	159.8	0.4%	Not prime farmland	No	.37	4L	>15-30
Ck	Cabbart-Yawdim-Shale outcrop complex, 3 to 70 percent slopes	718.7	0.7%	34.1	0.1%	Not prime farmland	No	.37	4L	>30
CmB	Chama and Morton silty clay loams, 3 to 6 percent slopes	8.3	0.0%	7.9	0.0%	Farmland of statewide importance	No	.32	4L	0-5
CoA	Chanta loam, 0 to 2 percent slopes	11.4	0.0%	0.6	0.0%	Farmland of statewide importance	No	.28	6	0-5
CoB	Chanta loam, 2 to 6 percent slopes	29.4	0.0%	--	--	Farmland of statewide importance	No	.28	6	0-5
CrB	Cherry clay loam, 2 to 6 percent slopes	6.4	0.0%	--	--	Farmland of statewide importance	No	.37	4L	0-5
DaB	Daglum fine sandy loam, 0 to 6 percent slopes	25.7	0.0%	--	--	Not prime farmland	No	.24	3	0-5
E0315B	Watrous loam, 0 to 6 percent slopes	198.9	0.2%	85.3	0.2%	Farmland of statewide importance	No	.24	6	0-5
E0403A	Belfield-Daglum-Farland silt loams, 0 to 2 percent slopes	1,448.1	1.4%	681.2	1.6%	Not prime farmland	No	.37	6	0-5
E0403B	Belfield-Daglum-Farland silt loams, 2 to 6 percent slopes	1,207.2	1.2%	481.4	1.1%	Not prime farmland	No	.37	6	0-5
E0415A	Belfield-Daglum complex, 0 to 2 percent slopes	1,864.0	1.8%	761.9	1.8%	Not prime farmland	No	.37	6	0-5
E0431B	Daglum fine sandy loam, 0 to 6 percent slopes	336.4	0.3%	32.5	0.1%	Not prime farmland	No	.24	3	0-5
E0454B	Daglum-Rhoades complex, 0 to 6 percent slopes	606.5	0.6%	324.6	0.8%	Not prime farmland	No	.43	6	0-5
E0515B	Rhoades-Daglum complex, 0 to 6 percent slopes	10,679.0	10.2%	4123.6	9.8%	Not prime farmland	No	.37	6	0-5
E0531B	Rhoades-Rhoades, severely eroded complex, 0 to 6 percent slopes	3,022.1	2.9%	1350.7	3.2%	Not prime farmland	No	.37	6	0-5
E0609A	Belfield-Grail-Arnegard complex, saline, 0 to 2 percent slopes	24.0	0.0%	9.1	0.0%	Not prime farmland	No	.24	6	0-5
E0617B	Belfield-Savage-Daglum complex, 2 to 6 percent slopes	601.1	0.6%	311.5	0.7%	Farmland of statewide importance	No	.43	6	0-5
E0627A	Farnuf-Belfield-Rhoades complex, 0 to 2 percent slopes	781.4	0.7%	425.5	1.0%	Farmland of statewide importance	No	.24	6	0-5
E0634A	Lawther-Daglum complex, 0 to 2 percent slopes	19.2	0.0%	17.9	0.0%	Not prime farmland	No	.28	4	0-5
E0651A	Regent-Janesburg complex, 0 to 3 percent slopes	109.8	0.1%	64.2	0.2%	Not prime farmland	No	.32	6	0-5

Map Unit Name	Soil Name	Study Area		Project Area		Farmland Designation	Hydric Soil	K-Factor	Wind Erodibility Group	Slope Range
		Acres	%	Acres	%					
E0651B	Regent-Janesburg complex, 3 to 6 percent slopes	338.3	0.3%	115.5	0.3%	Not prime farmland	No	.32	6	0-5
E0679A	Savage-Daglum complex, 0 to 2 percent slopes	234.4	0.2%	151.0	0.4%	Not prime farmland	No	.32	6	0-5
E0701F	Dogtooth-Janesburg-Cabba complex, 6 to 35 percent slopes	279.4	0.3%	62.2	0.1%	Not prime farmland	No	.43	6	>15-30
E0811A	Grail silty clay loam, 0 to 2 percent slopes	339.3	0.3%	184.9	0.4%	All areas are prime farmland	No	.28	6	0-5
E0812A	Grail silt loam, 0 to 2 percent slopes	1,057.8	1.0%	287.4	0.7%	All areas are prime farmland	No	.32	6	0-5
E0813B	Grail-Savage silty clay loams, 2 to 6 percent slopes	382.1	0.4%	232.4	0.6%	Farmland of statewide importance	No	.28	6	0-5
E0814B	Grail-Farland silt loams, 2 to 6 percent slopes	179.8	0.2%	46.9	0.1%	Farmland of statewide importance	No	.32	6	0-5
E0821A	Lawther silty clay, 0 to 2 percent slopes	25.4	0.0%	15.8	0.0%	Farmland of statewide importance	No	.28	4	0-5
E0835A	Savage-Grail silty clay loams, 0 to 2 percent slopes	106.5	0.1%	100.9	0.2%	Farmland of statewide importance	No	.32	6	0-5
E0913C	Moreau-Wayden silty clays, 6 to 9 percent slopes	310.1	0.3%	190.1	0.5%	Not prime farmland	No	.24	4	>5-8
E0931C	Wayden-Moreau silty clays, 3 to 9 percent slopes	276.2	0.3%	84.1	0.2%	Not prime farmland	No	.24	4	>5-8
E1009A	Moreau-Barkof silty clays, 0 to 3 percent slopes	220.2	0.2%	30.9	0.1%	Farmland of statewide importance	No	.24	4	0-5
E1009B	Moreau-Barkof silty clays, 3 to 6 percent slopes	736.3	0.7%	365.3	0.9%	Farmland of statewide importance	No	.24	4	0-5
E1025A	Regent-Savage silty clay loams, 0 to 3 percent slopes	69.9	0.1%	7.9	0.0%	Farmland of statewide importance	No	.28	6	0-5
E1025B	Regent-Savage silty clay loams, 3 to 6 percent slopes	585.0	0.6%	268.8	0.6%	Farmland of statewide importance	No	.28	6	0-5
E1031C	Regent-Moreau-Cabba complex, 6 to 9 percent slopes	289.7	0.3%	177.2	0.4%	Not prime farmland	No	.24	4	>5-8
E1227B	Desart-Ekalaka-Telfer complex, 0 to 6 percent slopes	2,679.5	2.6%	913.3	2.2%	Not prime farmland	No	.24	3	0-5
E1237B	Ekalaka-Seroco-Lakota loamy fine sands, 0 to 6 percent slopes	1,423.9	1.4%	733.7	1.7%	Not prime farmland	No	.20	2	0-5
E1249D	Beisigl, severely eroded-Lakota-Ekalaka complex, 0 to 15 percent slopes	312.7	0.3%	103.6	0.2%	Not prime farmland	No	.02	1	0-5
E1263D	Evridge-Whitebird fine sandy loams, 6 to 15 percent slopes	536.1	0.5%	254.3	0.6%	Not prime farmland	No	.24	3	>8-15
E1333C	Vebar-Cohagen fine sandy loams, 6 to 9 percent slopes	1,919.6	1.8%	673.0	1.6%	Not prime farmland	No	.15	3	>5-8
E1355D	Vebar-Flasher-Tally complex, 9 to 15 percent slopes	794.0	0.8%	379.4	0.9%	Not prime farmland	No	.15	3	>8-15
E1403D	Beisigl-Flasher-Telfer loamy fine sands, 6 to 15 percent slopes	2,423.4	2.3%	908.2	2.2%	Not prime farmland	No	.15	2	>8-15
E1423F	Flasher-Vebar-Parshall complex, 9 to 35 percent slopes	327.7	0.3%	90.5	0.2%	Not prime farmland	No	.24	2	>15-30
E1431F	Flasher-Beisigl, very stony-Parshall complex, 6 to 70 percent slopes	385.6	0.4%	152.8	0.4%	Not prime farmland	No	.20	2	>30
E1475F	Flasher-Rock outcrop-Vebar complex, 9 to 70 percent slopes	40.2	0.0%	1.3	0.0%	Not prime farmland	No	.20	2	>30
E1625B	Vebar-Parshall fine sandy loams, 3 to 6 percent slopes	5,097.7	4.9%	1770.5	4.2%	Farmland of statewide importance	No	.15	3	0-5
E1823A	Parshall fine sandy loam, 0 to 2 percent slopes	102.2	0.1%	23.7	0.1%	Farmland of statewide importance	No	.17	3	0-5
E1853D	Seroco-Beisigl, severely eroded complex, 2 to 15 percent slopes	49.6	0.0%	13.3	0.0%	Not prime farmland	No	.02	1	>5-8
E1863A	Tally fine sandy loam, 0 to 2 percent slopes	733.2	0.7%	295.5	0.7%	Farmland of statewide importance	No	.15	3	0-5
E1863B	Tally fine sandy loam, 2 to 6 percent slopes	238.8	0.2%	127.1	0.3%	Farmland of statewide importance	No	.15	3	0-5
E1863C	Tally fine sandy loam, 6 to 9 percent slopes	44.9	0.0%	27.3	0.1%	Not prime farmland	No	.15	3	>5-8
E1875B	Telfer loamy fine sand, 0 to 6 percent slopes	252.2	0.2%	100.6	0.2%	Not prime farmland	No	.20	2	0-5
E1875D	Telfer loamy fine sand, 6 to 15 percent slopes	182.1	0.2%	83.5	0.2%	Not prime farmland	No	.20	2	>8-15
E2107A	Arnegard loam, 0 to 2 percent slopes	1,909.0	1.8%	783.8	1.9%	All areas are prime farmland	No	.24	6	0-5
E2107B	Arnegard loam, 2 to 6 percent slopes	557.6	0.5%	286.5	0.7%	All areas are prime farmland	No	.24	6	0-5
E2117A	Shambo-Arnegard loams, 0 to 2 percent slopes	957.7	0.9%	262.4	0.6%	Farmland of statewide importance	No	.24	6	0-5
E2117B	Shambo-Arnegard loams, 2 to 6 percent slopes	289.8	0.3%	131.1	0.3%	Farmland of statewide importance	No	.24	6	0-5
E2145A	Shambo loam, 0 to 2 percent slopes	476.7	0.5%	214.5	0.5%	Farmland of statewide importance	No	.28	6	0-5
E2145B	Shambo loam, 2 to 6 percent slopes	267.8	0.3%	108.4	0.3%	Farmland of statewide importance	No	.28	6	0-5

Map Unit Name	Soil Name	Study Area		Project Area		Farmland Designation	Hydric Soil	K-Factor	Wind Erodibility Group	Slope Range
		Acres	%	Acres	%					
E2317A	Reeder-Janesburg complex, 0 to 3 percent slopes	847.7	0.8%	258.2	0.6%	Not prime farmland	No	.24	6	0-5
E2317B	Reeder-Janesburg complex, 3 to 6 percent slopes	3,681.2	3.5%	1539.3	3.7%	Not prime farmland	No	.24	6	0-5
E2317C	Reeder-Janesburg complex, 6 to 9 percent slopes	688.1	0.7%	194.6	0.5%	Not prime farmland	No	.24	6	>5-8
E2601C	Amor-Cabba loams, 6 to 9 percent slopes	1,125.9	1.1%	506.8	1.2%	Not prime farmland	No	.28	6	>5-8
E2601D	Amor-Cabba loams, 9 to 15 percent slopes	478.9	0.5%	187.5	0.4%	Not prime farmland	No	.24	6	>8-15
E2617C	Cabba-Amor loams, 6 to 9 percent slopes	949.1	0.9%	560.3	1.3%	Not prime farmland	No	.28	4L	>5-8
E2617D	Cabba-Amor loams, 9 to 15 percent slopes	1,614.6	1.5%	616.5	1.5%	Not prime farmland	No	.28	4L	>8-15
E2617F	Cabba-Chama-Shambo loams, 9 to 50 percent slopes	2,108.2	2.0%	1120.5	2.7%	Not prime farmland	No	.37	4L	>30
E2642C	Reeder-Cabba loams, 6 to 9 percent slopes	1,617.7	1.6%	663.0	1.6%	Farmland of statewide importance	No	.24	6	>5-8
E2655F	Cabba-Amor-Savage complex, 9 to 70 percent slopes, very stony	1,290.0	1.2%	432.4	1.0%	Not prime farmland	No	.28	4L	>30
E2707C	Cabba-Chama silt loams, 3 to 9 percent slopes	353.8	0.3%	241.6	0.6%	Not prime farmland	No	.37	4L	>5-8
E2709F	Cabba-Lantry-Golva silt loams, 9 to 50 percent slopes	731.5	0.7%	368.6	0.9%	Not prime farmland	No	.37	4L	>30
E2737C	Chama-Cabba-Sen silt loams, 6 to 9 percent slopes	627.4	0.6%	361.1	0.9%	Not prime farmland	No	.37	4L	>5-8
E2775F	Cabba-Rock outcrop-Chama complex, 15 to 70 percent slopes	803.2	0.8%	337.3	0.8%	Not prime farmland	No	.28	4L	>30
E2801A	Amor-Arnegard loams, 0 to 3 percent slopes	102.3	0.1%	9.9	0.0%	Farmland of statewide importance	No	.28	6	0-5
E2803B	Amor-Shambo loams, 3 to 6 percent slopes	2,345.7	2.2%	1085.4	2.6%	Farmland of statewide importance	No	.28	6	0-5
E2813B	Amor-Vebar complex, 0 to 6 percent slopes	14.9	0.0%	10.9	0.0%	Farmland of statewide importance	No	.28	6	0-5
E2819A	Reeder-Farnuf loams, 0 to 3 percent slopes	724.9	0.7%	376.1	0.9%	Farmland of statewide importance	No	.24	6	0-5
E2819B	Reeder-Farnuf loams, 3 to 6 percent slopes	3,755.0	3.6%	1724.9	4.1%	Farmland of statewide importance	No	.24	6	0-5
E2903A	Chama-Sen silt loams, 0 to 3 percent slopes	52.0	0.0%	34.1	0.1%	Farmland of statewide importance	No	.37	4L	0-5
E2913B	Chama-Sen-Cabba silt loams, 3 to 6 percent slopes	841.0	0.8%	374.8	0.9%	Farmland of statewide importance	No	.37	4L	0-5
E2997D	Amor-Cabba loams, 6 to 15 percent slopes, very stony	197.7	0.2%	116.0	0.3%	Not prime farmland	No	.24	6	>8-15
E3005F	Brandenburg-Cabba complex, 6 to 70 percent slopes	1,537.7	1.5%	386.8	0.9%	Not prime farmland	No	.15	6	>30
E3043B	Searing-Ringling loams, 3 to 6 percent slopes	706.8	0.7%	312.0	0.7%	Farmland of statewide importance	No	.24	6	0-5
E3043C	Searing-Ringling loams, 6 to 9 percent slopes	158.5	0.2%	66.7	0.2%	Not prime farmland	No	.24	6	>5-8
E3101F	Badland-Cabba complex, 9 to 70 percent slopes	103.0	0.1%	97.0	0.2%	Not prime farmland	No	.37	4L	>30
E3107F	Cabba-Badland complex, 6 to 70 percent slopes	1,705.1	1.6%	1131.5	2.7%	Not prime farmland	No	.28	4L	>30
E3197F	Badland, 9 to 150 percent slopes	190.0	0.2%	120.3	0.3%	Not prime farmland	No	.37	4L	>30
E3203B	Cherry silt loam, 0 to 6 percent slopes	205.6	0.2%	185.1	0.4%	Farmland of statewide importance	No	.49	4L	0-5
E3203C	Cherry silt loam, 6 to 9 percent slopes	19.3	0.0%	14.9	0.0%	Farmland of statewide importance	No	.49	4L	>5-8
E3241B	Lambert silt loam, 0 to 6 percent slopes	40.9	0.0%	8.0	0.0%	Farmland of statewide importance	No	.37	4L	0-5
E3241D	Lambert silt loam, 6 to 15 percent slopes	5.1	0.0%	3.8	0.0%	Not prime farmland	No	.37	4L	>8-15
E3245D	Lambert-Lambert, gullied complex, 2 to 15 percent slopes	235.6	0.2%	92.0	0.2%	Not prime farmland	No	.37	4L	>8-15
E4005A	Harriet loam, 0 to 2 percent slopes, occasionally flooded	125.7	0.1%	45.3	0.1%	Not prime farmland	Yes	.37	6	0-5
E4007A	Harriet-Lallie complex, 0 to 2 percent slopes, occasionally flooded	6.6	0.0%	2.7	0.0%	Not prime farmland	Yes	.37	6	0-5
E4139A	Korchea-Fluvaquents complex, channeled, 0 to 2 percent slopes, frequently flooded	1,888.7	1.8%	791.6	1.9%	Not prime farmland	No	.24	6	0-5
E4147A	Korell loam, 0 to 2 percent slopes, rarely flooded	174.2	0.2%	104.1	0.2%	Farmland of statewide importance	No	.28	6	0-5
E4180A	Korell-Daglum-Fluvaquents complex, channeled, 0 to 2 percent slopes, frequently flooded	152.2	0.1%	60.2	0.1%	Not prime farmland	Yes	.17	3	0-5
E4184A	Korchea, saline-Fluvaquents, channeled-Harriet complex, 0 to 2 percent slopes, frequently flooded	524.7	0.5%	344.4	0.8%	Not prime farmland	Yes	.17	3	0-5
E4187A	Trembles fine sandy loam, 0 to 2 percent slopes, occasionally flooded	158.6	0.2%	44.2	0.1%	Farmland of statewide importance	No	.20	3	0-5

Map Unit Name	Soil Name	Study Area		Project Area		Farmland Designation	Hydric Soil	K-Factor	Wind Erodibility Group	Slope Range
		Acres	%	Acres	%					
E4537A	Stady loam, 0 to 2 percent slopes	2,236.6	2.1%	828.0	2.0%	Farmland of statewide importance	No	.28	5	0-5
E4538B	Stady-Lehr loams, 2 to 6 percent slopes	744.0	0.7%	286.1	0.7%	Farmland of statewide importance	No	.28	5	0-5
E4553A	Tally fine sandy loam, gravelly substratum, 0 to 2 percent slopes	155.3	0.1%	91.5	0.2%	Farmland of statewide importance	No	.15	3	0-5
E4553B	Tally fine sandy loam, gravelly substratum, 2 to 6 percent slopes	46.2	0.0%	10.5	0.0%	Farmland of statewide importance	No	.15	3	0-5
E4559C	Manning-Wabek complex, 6 to 9 percent slopes	256.9	0.2%	133.0	0.3%	Not prime farmland	No	.15	3	>5-8
E4561F	Manning-Schaller-Wabek complex, 6 to 35 percent slopes	1,226.7	1.2%	668.0	1.6%	Not prime farmland	No	.15	3	>8-15
E4570A	Stady-Shambo, gravelly substratum loams, 0 to 2 percent slopes	853.1	0.8%	247.8	0.6%	Farmland of statewide importance	No	.28	5	0-5
E4571A	Shambo loam, gravelly substratum, 0 to 2 percent slopes	185.8	0.2%	91.5	0.2%	Farmland of statewide importance	No	.24	6	0-5
E4581A	Parshall, gravelly substratum-Manning fine sandy loams, 0 to 2 percent slopes	3.1	0.0%	3.1	0.0%	Farmland of statewide importance	No	.17	3	0-5
E4585A	Manning fine sandy loam, 0 to 2 percent slopes	142.2	0.1%	73.6	0.2%	Not prime farmland	No	.15	3	0-5
E4585B	Manning fine sandy loam, 2 to 6 percent slopes	173.7	0.2%	50.1	0.1%	Not prime farmland	No	.15	3	0-5
E4719A	McKenzie silty clay, 0 to 1 percent slopes	24.7	0.0%	4.4	0.0%	Not prime farmland	Yes	.24	4	0-5
E4729A	Heil silty clay loam, 0 to 1 percent slopes	95.5	0.1%	40.8	0.1%	Not prime farmland	Yes	.32	6	0-5
E4767A	Regan silt loam, saline, 0 to 2 percent slopes, occasionally flooded	123.6	0.1%	57.4	0.1%	Not prime farmland	Yes	.32	4L	0-5
E4907B	Haplustolls-Ustorthents complex, 0 to 6 percent slopes	123.4	0.1%	--	--	Not prime farmland	No	.24	6	0-5
E4995F	Pits, gravel and sand	138.0	0.1%	11.3	0.0%	Not prime farmland	No	.02	5	>15-30
E4999	Water	172.5	0.2%	78.4	0.2%	Not prime farmland	Not Rated	Not Rated	Not Rated	Not Rated
E6155A	Lefor-Vebar fine sandy loams, 0 to 3 percent slopes	105.7	0.1%	29.6	0.1%	Farmland of statewide importance	No	.17	3	0-5
E6155B	Lefor-Vebar fine sandy loams, 3 to 6 percent slopes	694.1	0.7%	349.1	0.8%	Farmland of statewide importance	No	.17	3	0-5
E6155C	Lefor-Vebar fine sandy loams, 6 to 9 percent slopes	369.2	0.4%	204.1	0.5%	Not prime farmland	No	.17	3	>5-8
EdB	Ekalaka-Desart fine sandy loams, 0 to 6 percent slopes	360.6	0.3%	61.1	0.1%	Not prime farmland	No	.28	3	0-5
EIC	Ekalaka-Ladner complex, 6 to 15 percent slopes	60.6	0.1%	6.0	0.0%	Not prime farmland	No	.28	3	>5-8
EmB	Ekalaka-Zeona-Ladner loamy fine sands, 0 to 6 percent slopes	149.7	0.1%	--	--	Not prime farmland	No	.20	2	0-5
FhD	Flasher-Vebar complex, 9 to 15 percent slopes	128.7	0.1%	46.6	0.1%	Not prime farmland	No	.10	2	>8-15
Fm	Flasher and Vebar very stony soils, 3 to 25 percent slopes	13.0	0.0%	7.4	0.0%	Not prime farmland	No	.02	8	>8-15
FnD	Fleak-Rhame complex, 3 to 15 percent slopes	228.0	0.2%	99.6	0.2%	Not prime farmland	No	.15	3	>8-15
FtE	Fleak-Tusler complex, 15 to 40 percent slopes	44.0	0.0%	2.2	0.0%	Not prime farmland	No	.20	2	>30
GeB	Grail silt loam, 2 to 6 percent slopes	54.6	0.1%	18.8	0.0%	All areas are prime farmland	No	.32	6	0-5
GIA	Grail silty clay loam, 0 to 2 percent slopes	7.5	0.0%	3.3	0.0%	All areas are prime farmland	No	.32	6	0-5
GIB	Grail silty clay loam, 2 to 6 percent slopes	72.4	0.1%	40.1	0.1%	All areas are prime farmland	No	.32	6	0-5
GoA	Grail-Rhoades silty clay loams, 0 to 2 percent slopes	279.2	0.3%	118.9	0.3%	Farmland of statewide importance	No	.32	6	0-5
GoB	Grail-Rhoades silty clay loams, 2 to 6 percent slopes	284.9	0.3%	41.3	0.1%	Farmland of statewide importance	No	.32	6	0-5
Ha	Hanly loamy fine sand, 0 to 6 percent slopes	0.9	0.0%	--	--	Not prime farmland	No	.20	2	0-5
He	Havre loam, 0 to 2 percent slopes	23.0	0.0%	1.2	0.0%	Farmland of statewide importance	No	.32	4L	0-5
Kn	Korchea and Havre soils, channeled, 0 to 6 percent slopes	365.3	0.4%	115.3	0.3%	Not prime farmland	No	Not Rated	Not Rated	>8-15
Ko	Korchea and Straw soils, channeled, 0 to 2 percent slopes	13.6	0.0%	6.4	0.0%	Not prime farmland	No	Not Rated	Not Rated	>8-15
KrA	Kremlin loam, 0 to 2 percent slopes	26.5	0.0%	24.1	0.1%	Farmland of statewide importance	No	.28	6	0-5
KrB	Kremlin loam, 2 to 6 percent slopes	41.4	0.0%	--	--	Farmland of statewide importance	No	.28	6	0-5
KsA	Kremlin-Belfield-Rhoades complex, 0 to 6 percent slopes	184.1	0.2%	79.4	0.2%	Farmland of statewide importance	No	.28	6	0-5
La	Lawther silty clay, 0 to 2 percent slopes	7.0	0.0%	--	--	Farmland of statewide importance	No	.28	4	0-5



Map Unit Name	Soil Name	Study Area		Project Area		Farmland Designation	Hydric Soil	K-Factor	Wind Erodibility Group	Slope Range
		Acres	%	Acres	%					
LeB	Lefor-Vebar fine sandy loams, 0 to 6 percent slopes	8.0	0.0%	6.6	0.0%	Farmland of statewide importance	No	.17	3	0-5
MaB	Manning fine sandy loam, 2 to 6 percent slopes	13.2	0.0%	13.2	0.0%	Not prime farmland	No	.15	3	0-5
MeB	Marmarth loam, 0 to 6 percent slopes	194.9	0.2%	71.4	0.2%	Farmland of statewide importance	No	.28	6	0-5
MgC	Marmarth-Cabbart complex, 6 to 9 percent slopes	150.7	0.1%	46.6	0.1%	Farmland of statewide importance	No	.28	6	>5-8
MhB	Marmarth-Rhame fine sandy loams, 0 to 6 percent slopes	43.0	0.0%	10.4	0.0%	Farmland of statewide importance	No	.17	3	0-5
MhC	Marmarth-Rhame fine sandy loams, 6 to 9 percent slopes	58.1	0.1%	35.5	0.1%	Not prime farmland	No	.17	3	>5-8
MkA	Marmarth-Rhoades complex, 0 to 3 percent slopes	72.6	0.1%	35.3	0.1%	Farmland of statewide importance	No	.32	6	0-5
MkB	Marmarth-Rhoades complex, 3 to 6 percent slopes	267.7	0.3%	89.4	0.2%	Farmland of statewide importance	No	.32	6	0-5
MkC	Marmarth-Rhoades complex, 6 to 9 percent slopes	201.0	0.2%	60.1	0.1%	Not prime farmland	No	.32	6	>5-8
Mo	McKenzie and Heil silty clays, 0 to 1 percent slopes	7.1	0.0%	--	--	Not prime farmland	Yes	.17	4	0-5
MwC	Moreau-Wayden silty clays, 6 to 9 percent slopes	12.6	0.0%	12.6	0.0%	Not prime farmland	No	.24	4	>5-8
PaA	Parshall fine sandy loam, 0 to 2 percent slopes	15.3	0.0%	15.3	0.0%	Farmland of statewide importance	No	.15	3	0-5
PeB	Patent loam, 0 to 6 percent slopes	9.4	0.0%	--	--	Not prime farmland	No	.24	4L	0-5
RcC	Reeder-Cabba loams, 6 to 9 percent slopes	8.4	0.0%	8.4	0.0%	Farmland of statewide importance	No	.24	6	>5-8
RdA	Reeder-Dogtooth complex, 0 to 3 percent slopes	41.5	0.0%	35.2	0.1%	Farmland of statewide importance	No	.24	6	0-5
RdB	Reeder-Dogtooth complex, 3 to 6 percent slopes	126.5	0.1%	86.6	0.2%	Farmland of statewide importance	No	.24	6	0-5
RdC	Reeder-Dogtooth complex, 6 to 9 percent slopes	101.4	0.1%	87.8	0.2%	Not prime farmland	No	.24	6	>5-8
ReA	Reeder-Shambo loams, 0 to 3 percent slopes	38.2	0.0%	32.6	0.1%	Farmland of statewide importance	No	.24	6	0-5
ReB	Reeder-Shambo loams, 3 to 6 percent slopes	184.5	0.2%	167.7	0.4%	Farmland of statewide importance	No	.24	6	0-5
Rf	Reeder and Amor very stony loams, 3 to 9 percent slopes	35.7	0.0%	9.7	0.0%	Not prime farmland	No	.10	8	0-5
RhB	Regent silty clay loam, 3 to 6 percent slopes	27.4	0.0%	27.4	0.1%	Farmland of statewide importance	No	.32	6	0-5
RkC	Regent-Moreau silty clay loams, 6 to 9 percent slopes	15.3	0.0%	12.5	0.0%	Farmland of statewide importance	No	.32	6	>5-8
RIB	Regent-Moreau-Dogtooth complex, 3 to 9 percent slopes	49.9	0.0%	22.3	0.1%	Not prime farmland	No	.32	6	>5-8
RnB	Rhame fine sandy loam, 3 to 6 percent slopes	241.9	0.2%	50.5	0.1%	Farmland of statewide importance	No	.15	3	0-5
RoC	Rhame-Fleak fine sandy loams, 6 to 9 percent slopes	308.6	0.3%	70.9	0.2%	Not prime farmland	No	.15	3	>5-8
RoD	Rhame-Fleak fine sandy loams, 9 to 15 percent slopes	161.3	0.2%	32.5	0.1%	Not prime farmland	No	.15	3	>8-15
RrA	Rhoades-Absher complex, 0 to 2 percent slopes	778.4	0.7%	272.9	0.6%	Not prime farmland	No	.32	6	0-5
RrB	Rhoades-Absher complex, 2 to 6 percent slopes	3,745.7	3.6%	932.6	2.2%	Not prime farmland	No	.32	6	>5-8
Rt	Rhoades complex, terrace, 0 to 6 percent slopes	306.4	0.3%	99.0	0.2%	Not prime farmland	No	.32	6	0-5
SaA	Savage silty clay loam, 0 to 2 percent slopes	12.4	0.0%	--	--	Farmland of statewide importance	No	.28	6	0-5
SeB	Searing loam, 0 to 6 percent slopes	7.6	0.0%	--	--	Farmland of statewide importance	No	.24	6	0-5
SeC	Searing loam, 6 to 9 percent slopes	9.2	0.0%	--	--	Not prime farmland	No	.24	6	>5-8
Sg	Sham soils and gullied land, 2 to 9 percent slopes	80.2	0.1%	--	--	Not prime farmland	No	.43	4L	>5-8
TaB	Tally fine sandy loam, 2 to 6 percent slopes	4.0	0.0%	4.0	0.0%	Farmland of statewide importance	No	.15	3	0-5
ToA	Chinook fine sandy loam, 0 to 2 percent slopes	92.4	0.1%	48.1	0.1%	Farmland of statewide importance	No	.20	3	0-5
ToB	Chinook fine sandy loam, 2 to 6 percent slopes	141.7	0.1%	39.3	0.1%	Farmland of statewide importance	No	.17	3	0-5
ToC	Chinook fine sandy loam, 6 to 9 percent slopes	49.6	0.0%	7.4	0.0%	Not prime farmland	No	.17	3	>5-8
VfC	Vebar-Flasher fine sandy loams, 6 to 9 percent slopes	21.9	0.0%	15.6	0.0%	Not prime farmland	No	.15	3	>5-8
VfD	Vebar-Flasher fine sandy loams, 9 to 15 percent slopes	7.4	0.0%	7.4	0.0%	Not prime farmland	No	.15	3	>8-15
VtB	Vebar-Tally fine sandy loams, 3 to 6 percent slopes	11.4	0.0%	7.0	0.0%	Farmland of statewide importance	No	.15	3	0-5

Map Unit Name	Soil Name	Study Area		Project Area		Farmland Designation	Hydric Soil	K-Factor	Wind Erodibility Group	Slope Range
		Acres	%	Acres	%					
W	Water	42.9	0.0%	10.3	0.0%	Not prime farmland	Not Rated	Not Rated	Not Rated	Not Rated
Wa	Wabek complex, 6 to 15 percent slopes	10.4	0.0%	10.4	0.0%	Not prime farmland	No	.28	6	>8-15
YaC	Yawdim silty clay, 6 to 9 percent slopes	10.8	0.0%	--	--	Not prime farmland	No	.24	4	>5-8
ZfB	Zeona loamy fine sand, 0 to 6 percent slopes	380.7	0.4%	68.5	0.2%	Not prime farmland	No	.20	2	0-5
ZtC	Zeona-Tusler loamy fine sands, 6 to 15 percent slopes	206.6	0.2%	73.3	0.2%	Not prime farmland	No	.20	2	>8-15
Totals		104,296.1	100.0%	42,143.4	100.0%					
Source: Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Web Soil Survey. Available online at the following link: <a href="https://websoilsurvey.sc.egov.usda.gov/">https://websoilsurvey.sc.egov.usda.gov/</a> . Accessed 11/2020.										