

Appendix B

Project Area Soils Summary

Map Unit	Soil Complex Name	Acreage in Project Area	Soil Unit Name	Soil Type	Parent Material	Percent of Soil Complex (%)	Slope	pH Range	Max. Salinity (mmhos/cm)	Drainage Class	Clay Content (%)	Hydrologic Group	Sodium Adsorption Ratio (SAR)	Runoff Class	Erosion Potential (Kw)
12	Badland-Rock outcrop complex	1287	Badland	--	--	50	1 to 75%	7.9-11.0	20.0	Somewhat excessively drained	40 to 60	D	5 to 30	Very high	0.10
			Rock outcrop	--	--	35	1 to 100%	--	--	--	--	--	D	--	Very high
29	Bullpen parachannery loam	819	Bullpen	Parachannery loam, parachannery clay loam	Slope alluvium over residuum derived from shale and sandstone	85	2 to 25%	7.9-11.0	4.0	Well drained	18 to 30	B	0 to 25	Medium	0.15 to 0.37
31	Bullpen-Mikim complex	2257	Bullpen	Parachannery loam, parachannery clay, loam	Slope alluvium over residuum derived from shale and sandstone	55	2 to 25%	7.9-11.0	4.0	Well drained	18 to 30	B	0 to 25	Medium	0.15 to 0.37
			Mikim	Silt loam, loam, clay loam	Alluvium derived from sandstone, limestone and shale	30	2 to 4%	7.9-9.0	2.0	Well drained	20 to 35	B	0 to 10	Low	0.32 to 0.55
39	Cadrina-Rock outcrop complex	78	Cadrina	Extremely flaggy loam, extremely channery silt loam	Slope alluvium and colluvium over residuum derived from shale and sandstone	70	25 to 50%	7.9-9.0	4.0	Well drained	18 to 27	D	0 to 5	Very high	0.05
			Rock outcrop	--	--	15	25 to 50%	--	--	--	--	--	D	--	Very high
78	Gilston sandy loam	762	Gilston	Sandy loam, gravelly sandy loam, gypsifer	Alluvium derived from sandstone	85	2 to 8%	7.9-11.0	16.0	Well drained	5 to 18	B	0 to 55	Low	0.15 to 0.43

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				ous loam											
126	Lanver-Walknolls association	6538	Lanver	Very channery sandy loam, gravelly sandy loam, very channery sandy loam	Eolian deposits over residuum derived from sandstone and shale	50	2 to 8%	7.9-11.0	8.0	Well drained	8 to 18	C	0 to 30	Medium	0.10 to 0.15
			Walknolls	Very channery sandy loam	Slope alluvium derived from sandstone	35	2 to 25%	7.9-9.0	2.0	Well drained	8 to 18	D	0 to 10	Medium	0.10 to 0.15
138	Mikim silt loam	394	Mikim	Silt loam, clay loam, loam	Alluvium derived from sandstone, shale and limestone	85	2 to 4%	7.9-9.0	2.0	Well drained	20 to 35	B	0 to 10	Low	0.32 to 0.55
139	Mikim silt loam, sodic	73	Mikim	Silt loam, stratified sandy loam to clay loam	Alluvium derived from sandstone, shale, quartzite and limestone	85	1 to 4%	8.5-9.0	8.0	Well drained	18 to 30	B	10 to 15	Low	0.43 to 0.49
179	Pherson-Hickerson complex	1081	Pherson	Very gravelly loam, very gravelly sandy loam	Alluvium derived from sandstone and shale	45	2 to 8%	7.9-9.0	4.0	Well drained	5 to 23	B	3 to 15	Low	0.10 to 0.15
			Hickerson	Loam, silty clay loam, sandy clay	Alluvium derived from sandstone, limestone, shale and	40	1 to 4%	7.9-9.0	4.0	Moderately well drained	13 to 27	B	5 to 13	Medium	0.20 to 0.28

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				loam	quartzite										
193	Rock outcrop	82	Rock outcrop	--	--	85	0 to 100%	--	--	--	--	D	--	Very high	--
242	Turzo loam	330	Turzo	Loam, silty clay loam, loam, clay loam	Alluvium derived from quartzite, sandstone, limestone and shale	85	0 to 4%	8.5-11.0	16.0	Well drained	18 to 35	B	10 to 20	Medium	0.37 to 0.43
256	Walknolls extremely channery sandy loam	2947	Walknolls	Extremely channery sandy loam, very channery sandy loam	Slope alluvium derived from sandstone	85	4 to 25%	7.9-9.0	2.0	Well drained	8 to 18	D	0 to 10	Medium	0.05 to 0.15
257	Walknolls extremely channery sandy loam-Gilston association	11670	Walknolls	Extremely channery sandy loam, very channery sandy loam	Slope alluvium and colluvium derived from sandstone	50	4 to 50%	7.9-9.0	2.0	Well drained	8 to 18	D	0 to 10	High	0.05 to 0.15
			Gilston	Sandy loam, gravelly sandy loam	Alluvium derived from sandstone	35	2 to 8%	7.9-11.0	16.0	Well drained	5 to 18	B	0 to 55	Low	0.15 to 0.43
259	Walknolls-Badland-Rock outcrop complex	63	Walknolls	Extremely channery sandy loam, very channery	Slope alluvium and colluvium derived from sandstone	60	25 to 50%	7.9-9.0	2.0	Well drained	8 to 18	D	0 to 10	High	0.05 to 0.15

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				sandy loam											
			Badland	--	--	15	25 to 50%	7.9-11.0	20.0	Somewhat excessively drained	40 to 60	D	5 to 30	Very high	0.10
			Rock outcrop	--	--	10	25 to 50%	--	--	--	--	D	--	Very high	--
264	Walknolls-Rock outcrop complex	644	Walknolls	Very channery sandy loam	Slope alluvium and colluvium derived from sandstone	75	2 to 50%	7.9-9.0	2.0	Well drained	8 to 18	D	0 to 10	High	0.05 to 0.15
			Rock outcrop	--	--	15	25 to 50%	--	--	--	--	D	--	Very high	--
266	Walknolls-Uendal association	5391	Walknolls	Very channery sandy loam	Slope alluvium derived from sandstone	55	2 to 25%	7.9-9.0	2.0	Well drained	8 to 18	D	0 to 10	Medium	0.10 to 0.15
			Uendal	Gravelly sandy loam, sandy loam	Slope alluvium derived from sandstone	35	4 to 8%	7.9-9.0	2.0	Well drained	8 to 15	C	0 to 5	High	0.15 to 0.32