

# APPENDIX S

## Soil Survey Geographic (SSURGO)

### Soil Mapping Units and Characteristics on BLM Lands (by Soil Survey Area)

Soil Map Unit Symbol	Major Soil Series	Slope Range (%)	Severe Water Erosion Hazard	Severe Wind Erosion Hazard	Hydric Soil	Prime Farmland Soil	Ecological Site	Soil Map Unit Acres
<b>BLAINE COUNTY - SSA 608</b>								
1	ABSHER	0 - 4					Dense clay, 10-14 in. Ppt* zone, glaciated plains, central	19
	NOBE	0 - 4					Saline upland, 10-14 in. Ppt zone, glaciated plains, central	
2	ASSINNIBOINE	0 - 4					Sandy, 10-14 in. Ppt zone, glaciated plains, central	135
3	ATTEWAN	0 - 4				X <sup>3</sup>	Silty, 10-14 in. Ppt zone, glaciated plains, central	34
6	BADLAND <sup>1</sup>	35 - 70	X					33,639
11	BASCOVY	2 - 6					Clayey, 10-14 in. Ppt zone, sedimentary plains, central	2,848
12	BASCOVY	2 - 8					Clayey, 10-14 in. Ppt zone, sedimentary plains, central	
	LISAM	4 - 8					Shallow clay, 10-14 in. Ppt zone, sedimentary plains, central	2,272
	DILTS	4 - 8					Shallow clay, 10-14 in. Ppt zone, sedimentary plains, central	
19	BENZ	0 - 4					Saline upland, 10-14 in. Ppt zone, glaciated plains, central	288
25	CABBART	8 - 35	X				Shallow, 10-14 in. Ppt zone, sedimentary plains, central	1,371
	DELPOINT	8 - 15					Silty, 10-14 in. Ppt zone, sedimentary plains, central	
27	CABBART	25 - 60	X				Shallow, 10-14 in. Ppt zone, sedimentary plains, central	16,597
	ROCK OUTCROP <sup>1</sup>							
28	CABBART	15 - 60	X				Shallow, 10-14 in. Ppt zone, sedimentary plains, central	
	YAMAC	15 - 25	X				Thin silty, 10-14 in. Ppt zone, sedimentary plains, central	15
	ROCK OUTCROP <sup>1</sup>							
36	CREED	0 - 4					Silty, 10-14 in. Ppt zone, sedimentary plains, central	46
	GERDRUM	0 - 4					Dense clay, 10-14 in. Ppt zone, sedimentary plains, central	
38	DELPOINT	2 - 8					Silty, 10-14 in. Ppt zone, sedimentary plains, central	291
	CABBART	2 - 8					Shallow, 10-14 in. Ppt zone, sedimentary plains, central	
39	DIMMICK CLAY	0 - 1			X		Wet meadow, 10-14 in. Ppt zone, glaciated plains, central	36

Soil Map Unit Symbol	Major Soil Series	Slope Range (%)	Severe Water Erosion Hazard	Severe Wind Erosion Hazard	Hydric Soil	Prime Farmland Soil	Ecological Site	Soil Map Unit Acres
41	ETHRIDGE	0 - 4					Silty, 10-14 in. Ppt zone, glaciated plains, central	6
47	GLENDIVE	0 - 2					Sandy, 10-14 in. Ppt zone, glaciated plains, central	1
48	HANLY	0 - 4		X			Sands, 10-14 in. Ppt zone, glaciated plains, central	1
55	HAVRE	0 - 2					Silty, 10-14 in. Ppt zone, glaciated plains, central	65
56	HAVRE	0 - 2					Silty, 10-14 in. Ppt zone, glaciated plains, central	1
59	HAVRE	0 - 2					Overflow, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	
	HANLY	0 - 2		X			Overflow, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	1,614
	GLENDIVE	0 - 2					Overflow, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	
65	HEDDOES	15 - 45	X				Silty, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	
	BELAIN	25 - 60	X				Shallow, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	33
	CASTNER	25 - 60	X				Thin silty, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	
79	LISAM	8 - 35	X				Shallow clay, 10-14 in. Ppt zone, sedimentary plains, central	18,870
	DILTS	8 - 35	X				Shallow clay, 10-14 in. Ppt zone, sedimentary plains, central	
80	LISAM	25 - 45	X				Shallow clay, 10-14 in. Ppt zone, sedimentary plains, central	
	DILTS	25 - 45	X				Shallow clay, 10-14 in. Ppt zone, sedimentary plains, central	64,269
	ROCK OUTCROP <sup>1</sup>							
82	LISAM	25 - 45	X				Shallow, 10-14 in. Ppt zone, glaciated plains, central	93
	WABEK	15 - 35	X				Shallow to gravel, 10-14 in. Ppt zone, glaciated plains, central	
85	MARMARTH	2 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, central	205
	CABBART	2 - 8					Shallow, 10-14 in. Ppt zone, glaciated plains, central	
88	MARVAN	0 - 4					Clayey, 10-14 in. Ppt zone, sedimentary plains, central	194
89	MARVAN	2 - 8					Clayey, 10-14 in. Ppt zone, sedimentary plains, central	3,951
	BASCOVY	2 - 8					Clayey, 10-14 in. Ppt zone, sedimentary plains, central	
111	SHAAK	0 - 4					Silty, 10-14 in. Ppt zone, glaciated plains, central	325
112	SHAAK	0 - 4					Silty, 10-14 in. Ppt zone, glaciated plains, central	106
	GERDRUM	0 - 4					Dense clay, 10-14 in. Ppt zone, glaciated plains, central	

Soil Map Unit Symbol	Major Soil Series	Slope Range (%)	Severe Water Erosion Hazard	Severe Wind Erosion Hazard	Hydric Soil	Prime Farmland Soil	Ecological Site	Soil Map Unit Acres
127	TWILIGHT	4 - 8					Sandy, 10-14 in. Ppt zone, sedimentary plains, central	117
	RIEDEL	4 - 8					Shallow, 10-14 in. Ppt zone, sedimentary plains, central	
128	TWILIGHT	8 - 15					Sandy, 10-14 in. Ppt zone, sedimentary plains, central	104
	RIEDEL	8 - 20					Shallow, 10-14 in. Ppt zone, sedimentary plains, central	
131	USTIC TORRIFLUVENTS	0 - 4					Subirrigated, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	2
132	VANDA	0 - 2					Dense clay, 10-14 in. Ppt zone, sedimentary plains, central	27
134	VANDA	2 - 8					Dense clay, 10-14 in. Ppt zone, sedimentary plains, central	7
	NOBE	2 - 8					Saline upland, 10-14 in. Ppt zone, sedimentary plains, central	
137	WABEK	8 - 35	X				Shallow to gravel, 10-14 in. Ppt zone, glaciated plains, central	23
147	YAMAC	2 - 4					Silty, 10-14 in. Ppt zone, sedimentary plains, central	73
148	YAMAC	0 - 4					Silty, 10-14 in. Ppt zone, sedimentary plains, central	2,651
	BENZ	0 - 4					Saline upland, 10-14 in. Ppt zone, sedimentary plains, central	
149	YAMAC	15 - 25	X				Silty, 10-14 in. Ppt zone, sedimentary plains, central	2
	WABEK	25 - 45	X				Shallow to gravel, 10-14 in. Ppt zone, sedimentary plains, central	
<b>CHOUTEAU COUNTY - SSA 615</b>								
15E	LAMBETH	8 - 25					Thin silty, 10-14 in. Ppt zone, glaciated plains, north	88
15F	LAMBETH	25 - 70	X				Thin silty, 10-14 in. Ppt zone, glaciated plains, north	918
16B	DEGRAND	0 - 4				X <sup>3</sup>	Silty, 10-14 in. Ppt zone, glaciated plains, north	2
21E	CABBART	8 - 25					Shallow, 10-14 in. Ppt zone, glaciated plains, north	71
	DELPOINT	8 - 25					Thin silty, 10-14 in. Ppt zone, glaciated plains, north	
22F	HILLON	25 - 60	X				Thin silty, 10-14 in. Ppt zone, glaciated plains, north	182
27B	ATTEWAN	0 - 4				X <sup>3</sup>	Silty, 10-14 in. Ppt zone, glaciated plains, north	2
28	NISHON	0 - 1			X	X <sup>4</sup>	Overflow, 10-14 in. Ppt zone, glaciated plains, north	15
30B	MARVAN	0 - 4					Clayey, 10-14 in. Ppt zone, glaciated plains, north	163

Soil Map Unit Symbol	Major Soil Series	Slope Range (%)	Severe Water Erosion Hazard	Severe Wind Erosion Hazard	Hydric Soil	Prime Farmland Soil	Ecological Site	Soil Map Unit Acres
30C	MARVAN	4 - 8					Clayey, 10-14 in. Ppt zone, glaciated plains, north	92
32B	KOBASE	0 - 4					Clayey, 10-14 in. Ppt zone, glaciated plains, north	1
32D	KOBASE	4 - 8					Clayey, 10-14 in. Ppt zone, glaciated plains, north	56
33A	PHILLIPS	4 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, north	4
35B	ASSINNIBOINE	0 - 4					Sandy, 10-14 in. Ppt zone, glaciated plains, north	31
36B	CHINOOK	0 - 4					Sandy, 10-14 in. Ppt zone, glaciated plains, north	110
36C	CHINOOK	4 - 8					Sandy, 10-14 in. Ppt zone, glaciated plains, north	73
37B	EVANSTON	0 - 4				X <sup>3</sup>	Silty, 10-14 in. Ppt zone, glaciated plains, north	295
37C	EVANSTON	4 - 8				X <sup>3</sup>	Silty, 10-14 in. Ppt zone, glaciated plains, north	221
38B	ETHRIDGE	0 - 4				X <sup>3</sup>	Clayey, 10-14 in. Ppt zone, glaciated plains, north	349
39B	ASSINNIBOINE	0 - 4				X <sup>3</sup>	Silty, 10-14 in. Ppt zone, glaciated plains, north	22
48A	VANDA	0 - 2					Dense clay, 10-14 in. Ppt zone, glaciated plains, north	13
48C	VANDA	2 - 8					Dense clay, 10-14 in. Ppt zone, glaciated plains, north	78
55B	LIHEN	0 - 6		X			Sands, 10-14 in. Ppt zone, glaciated plains, north	13
58B	LONNA	0 - 4					Clayey, 10-14 in. Ppt zone, glaciated plains, north	9
58C	LONNA	4 - 8					Clayey, 10-14 in. Ppt zone, glaciated plains, north	38
60A	HAVRE	0 - 2				X <sup>3</sup>	Silty, 10-14 in. Ppt zone, glaciated plains, north	212
73B	YETULL	0 - 6		X			Sands, 10-14 in. Ppt zone, glaciated plains, north	13
	LONESOME	0 - 6		X			Sands, 10-14 in. Ppt zone, glaciated plains, north	
77F	TINSLEY	15 - 45					Gravel, 10-14 in. Ppt zone, glaciated plains, north	1
79B	YAMACALL	0 - 4				X <sup>3</sup>	Silty, 10-14 in. Ppt zone, glaciated plains, north	205
79C	YAMACALL	4 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, north	639
79D	YAMACALL	8 - 15					Silty, 10-14 in. Ppt zone, glaciated plains, north	175
81A	GLENDIVE	0 - 2					Sandy, 10-14 in. Ppt zone, glaciated plains, north	156
90A	HARLAKE	0 - 1					Clayey, 10-14 in. Ppt zone, glaciated plains, north	52
93F	YETULL	15 - 45					Thin sandy, 10-14 in. Ppt zone, glaciated plains, north	256

Soil Map Unit Symbol	Major Soil Series	Slope Range (%)	Severe Water Erosion Hazard	Severe Wind Erosion Hazard	Hydric Soil	Prime Farmland Soil	Ecological Site	Soil Map Unit Acres
94B	BUSBY	0 - 4					Sandy, 10-14 in. Ppt zone, glaciated plains, north	25
94C	BUSBY	4 - 8					Sandy, 10-14 in. Ppt zone, glaciated plains, north	240
94D	BUSBY	8 - 15					Sandy, 10-14 in. Ppt zone, glaciated plains, north	292
96B	MACAR	0 - 4				X <sup>3</sup>	Silty, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	33
98B	KREMLIN	0 - 4				X <sup>3</sup>	Silty, 10-14 in. Ppt zone, glaciated plains, north	188
98C	KREMLIN	4 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, north	98
99	RIVRA	0 - 2					Greater than 10% canopy cover of deciduous trees	191
	HANLY	0 - 2		X			Greater than 10% canopy cover of deciduous trees	
141B	MEGONOT	0 - 4					Clayey, 10-14 in. Ppt zone, glaciated plains, north	
	WEINGART	0 - 2					Clay pan, 10-14 in. Ppt zone, glaciated plains, north	28
	DELPOINT	0 - 4					Silty, 10-14 in. Ppt zone, glaciated plains, north	
142C	MEGONOT	2 - 8					Clayey, 10-14 in. Ppt zone, glaciated plains, north	
	KOBASE	2 - 8					Clayey, 10-14 in. Ppt zone, glaciated plains, north	19
	DELPOINT	2 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, north	
200	BADLAND <sup>1</sup>							2,293
211F	CABBART	25 - 70	X				Shallow, 10-14 in. Ppt zone, glaciated plains, north	
	YAWDIN	25 - 70	X				Shallow clay, 10-14 in. Ppt zone, glaciated plains, north	10,920
	ROCK OUTCROP <sup>1</sup>	X						
212F	CABBART	25 - 70	X				Shallow, 10-14 in. Ppt zone, glaciated plains, north	
	HILLON	25 - 70	X				Thin silty, 10-14 in. Ppt zone, glaciated plains, north	119
221E	HILLON	8 - 25					Thin silty, 10-14 in. Ppt zone, glaciated plains, north	3
	KEVIN	8 - 15					Silty, 10-14 in. Ppt zone, glaciated plains, north	
224E	HILLON	8 - 25					Thin silty, 10-14 in. Ppt zone, glaciated plains, north	1
	JOPLIN	8 - 15					Silty, 10-14 in. Ppt zone, glaciated plains, north	

Soil Map Unit Symbol	Major Soil Series	Slope Range (%)	Severe Water Erosion Hazard	Severe Wind Erosion Hazard	Hydric Soil	Prime Farmland Soil	Ecological Site	Soil Map Unit Acres
227F	HILLON	25 - 70	X				Thin silty, 10-14 in. Ppt zone, glaciated plains, north	
	FLEAK	25 - 70	X	X			Shallow, 10-14 in. Ppt zone, glaciated plains, north	40
	ROCK OUTCROP <sup>1</sup>							
251E	BASCOVY	2 - 8					Thin clayey, 10-14 in. Ppt zone, glaciated plains, north	785
	NELDORÉ	2 - 8					Shallow clay, 10-14 in. Ppt zone, glaciated plains, north	
252C	BASCOVY	2 - 8					Clayey, 10-14 in. Ppt zone, glaciated plains, north	58
	MARVAN	2 - 4					Clayey, 10-14 in. Ppt zone, glaciated plains, north	
272C	ATTEWAN	2 - 4					Silty, 10-14 in. Ppt zone, glaciated plains, north	23
	TINSLEY	2 - 8					Gravel, 10-14 in. Ppt zone, glaciated plains, north	
301A	MARVAN	0 - 2					Clayey, 10-14 in. Ppt zone, glaciated plains, north	40
	VANDA	0 - 2					Dense clay, 10-14 in. Ppt zone, glaciated plains, north	
301C	MARVAN	2 - 8					Clayey, 10-14 in. Ppt zone, glaciated plains, north	126
	VANDA	2 - 8					Dense clay, 10-14 in. Ppt zone, glaciated plains, north	
311B	FERD	0 - 4					Silty, 10-14 in. Ppt zone, glaciated plains, north	
	CREED	0 - 4					Clay pan, 10-14 in. Ppt zone, glaciated plains, north	40
	GERDRUM	0 - 4					Clay pan, 10-14 in. Ppt zone, glaciated plains, north	
311C	FERD	4 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, north	
	CREED	4 - 8					Clay pan, 10-14 in. Ppt zone, glaciated plains, north	58
	GERDRUM	4 - 8					Clay pan, 10-14 in. Ppt zone, glaciated plains, north	
331B	PHILLIPS	0 - 4					Silty, 10-14 in. Ppt zone, glaciated plains, north	71
	ELLOAM	0 - 4					Clay pan, 10-14 in. Ppt zone, glaciated plains, north	
331C	PHILLIPS	4 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, north	60
	ELLOAM	4 - 8					Clay pan, 10-14 in. Ppt zone, glaciated plains, north	
361B	FORTBENTON	0 - 4					Sandy, 10-14 in. Ppt zone, glaciated plains, north	8
362C	CHINOOK	2 - 10					Sandy, 10-14 in. Ppt zone, glaciated plains, north	19
	YETULL	2 - 10					Sands, 10-14 in. Ppt zone, glaciated plains, north	

Soil Map Unit Symbol	Major Soil Series	Slope Range (%)	Severe Water Erosion Hazard	Severe Wind Erosion Hazard	Hydric Soil	Prime Farmland Soil	Ecological Site	Soil Map Unit Acres
363B	COZBERG	2 - 10					Sandy, 10-14 in. Ppt zone, glaciated plains, north	18
	CHINOOK	2 - 10					Sandy, 10-14 in. Ppt zone, glaciated plains, north	
363C	CHINOOK	0 - 4					Sandy, 10-14 in. Ppt zone, glaciated plains, north	86
	LIHEN	0 - 4					Sandy, 10-14 in. Ppt zone, glaciated plains, north	
364B	CHINOOK	0 - 4				X <sup>3</sup>	Silty, 10-14 in. Ppt zone, glaciated plains, north	193
365B	FORTBENTON	0 - 6					Sandy, 10-14 in. Ppt zone, glaciated plains, north	129
	CHINOOK	0 - 6					Sandy, 10-14 in. Ppt zone, glaciated plains, north	
372C	EVANSTON	2 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, north	11
	YAMACALL	2 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, north	
375B	EVANSTON	0 - 4					Silty, 10-14 in. Ppt zone, glaciated plains, north	17
	LONNA	0 - 4					Silty, 10-14 in. Ppt zone, glaciated plains, north	
410	ROCK OUTCROP <sup>1</sup>							578
	FLEAK	25 - 70	X	X			Shallow, 10-14 in. Ppt zone, glaciated plains, north	
421C	JOPLIN	2 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, north	42
	HILLON	2 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, north	
422C	MARMARTH	2 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, north	37
441C	KEVIN	2 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, north	10
	HILLON	2 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, north	
442C	KEVIN	2 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, north	72
	ELLOAM	2 - 8					Clay pan, 10-14 in. Ppt zone, glaciated plains, north	
460	LACEYCREEK	8 - 25					Greater than 10% canopy cover of deciduous trees	25
503B	TELSTAD	0 - 4				X <sup>3</sup>	Silty, 10-14 in. Ppt zone, glaciated plains, north	117
	JOPLIN	0 - 4				X <sup>3</sup>	Silty, 10-14 in. Ppt zone, glaciated plains, north	
503C	TELSTAD	4 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, north	96
	JOPLIN	4 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, north	

Soil Map Unit Symbol	Major Soil Series	Slope Range (%)	Severe Water Erosion Hazard	Severe Wind Erosion Hazard	Hydric Soil	Prime Farmland Soil	Ecological Site	Soil Map Unit Acres
521B	THOENY	0 - 4					Clay pan, 10-14 in. Ppt zone, glaciated plains, north	
	ELLOAM	0 - 4					Clay pan, 10-14 in. Ppt zone, glaciated plains, north	1
	ABSHER	0 - 4					Dense clay, 10-14 in. Ppt zone, glaciated plains, north	
561B	SCOBNEY	0 - 4				X <sup>3</sup>	Silty, 10-14 in. Ppt zone, glaciated plains, north	70
	KEVIN	0 - 4				X <sup>3</sup>	Silty, 10-14 in. Ppt zone, glaciated plains, north	
561C	SCOBNEY	4 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, north	98
	KEVIN	4 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, north	
601A	HAVRE	0 - 1					Silty, 10-14 in. Ppt zone, glaciated plains, north	47
	GLENDIVE	0 - 1					Sandy, 10-14 in. Ppt zone, glaciated plains, north	
602A	HAVRE	0 - 1				X <sup>3</sup>	Clayey, 10-14 in. Ppt zone, glaciated plains, north	29
603A	HAVRE	0 - 2					Greater than 10% canopy cover of deciduous trees	827
	GLENDIVE	0 - 2					Greater than 10% canopy cover of deciduous trees	
605C	YAMACALL	2 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, north	466
	HAVRE	0 - 2					Overflow, 10-14 in. Ppt zone, glaciated plains, north	
653F	FLEAK	25 - 70	X	X			Shallow, 10-14 in. Ppt zone, glaciated plains, north	
	TWILIGHT	25 - 45	X				Thin sandy, 10-14 in. Ppt zone, glaciated plains, north	417
	YETULL	25 - 70	X				Thin sandy, 10-14 in. Ppt zone, glaciated plains, north	
654F	FLEAK	25 - 70	X	X			Greater than 10% canopy cover (coniferous), 10-14 in. Ppt zone, sedimentary plains, central	1,112
	TWILIGHT	25 - 45	X				Thin sandy, 10-14 in. Ppt zone, glaciated plains, north	
	ROCK OUTCROP <sup>1</sup>							
661E	TWILIGHT	8 - 25					Thin sandy, 10-14 in. Ppt zone, glaciated plains, north	479
	FLEAK	8 - 25		X			Shallow, 10-14 in. Ppt zone, glaciated plains, north	
731F	YETULL	15 - 45					Sands, 10-14 in. Ppt zone, glaciated plains, north	13
	DUNE LAND <sup>1</sup>							
793B	YAMACALL	6 - 4					Clayey, 10-14 in. Ppt zone, glaciated plains, north	165

Soil Map Unit Symbol	Major Soil Series	Slope Range (%)	Severe Water Erosion Hazard	Severe Wind Erosion Hazard	Hydric Soil	Prime Farmland Soil	Ecological Site	Soil Map Unit Acres
793C	YAMACALL	4 - 8					Clayey, 10-14 in. Ppt zone, glaciated plains, north	75
795C	YAMACALL	2 - 8					Clayey, 10-14 in. Ppt zone, glaciated plains, north	150
	BENZ	2 - 8					Saline upland, 10-14 in. Ppt zone, glaciated plains, north	
795D	YAMACALL	8 - 15					Clayey, 10-14 in. Ppt zone, glaciated plains, north	13
	BENZ	8 - 15					Saline upland, 10-14 in. Ppt zone, glaciated plains, north	
892F	WHITLASH	25 - 60	X				Shallow, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	36
	BELAIN	25 - 45	X				Silty, steep, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	
	ROCK OUTCROP <sup>1</sup>							
925F	SUNBURST	25 - 70	X				Thin clayey, 10-14 in. Ppt zone, glaciated plains, north	189
	LAMBETH	25 - 70	X				Thin silty, 10-14 in. Ppt zone, glaciated plains, north	
941D	BUSBY	4 - 15					Sandy, 10-14 in. Ppt zone, glaciated plains, north	79
	TWILIGHT	8 - 15					Sandy, 10-14 in. Ppt zone, glaciated plains, north	
971F	NELDORÉ	25 - 60	X				Shallow clay, 10-14 in. Ppt zone, glaciated plains, north	8,016
	BASCOVY	25 - 45	X				Thin clayey, 10-14 in. Ppt zone, glaciated plains, north	
972F	NELDORÉ	25 - 70	X				Shallow clay, 10-14 in. Ppt zone, glaciated plains, north	5,387
	ROCK OUTCROP <sup>1</sup>							
974F	NELDORÉ	25 - 70	X				Shallow clay, 10-14 in. Ppt zone, glaciated plains, north	846
	HILLON	25 - 70	X				Thin silty, 10-14 in. Ppt zone, glaciated plains, north	
<b>FERGUS COUNTY - SSA 027</b>								
3	ABOR	15 - 45	X				Clayey, 10-14 in. Ppt zone, sedimentary plains, central	914
	THEBO	15 - 45	X				Clayey, 10-14 in. Ppt zone, sedimentary plains, central	
	CRAGO	15 - 45	X				Silty, limy, 10-14 in. Ppt zone, sedimentary plains, central	

Soil Map Unit Symbol	Major Soil Series	Slope Range (%)	Severe Water Erosion Hazard	Severe Wind Erosion Hazard	Hydric Soil	Prime Farmland Soil	Ecological Site	Soil Map Unit Acres
4	ABOR	4 - 15					Clayey, 10-14 in. Ppt zone, sedimentary plains, central	56
	YAWDIM	4 - 15					Shallow , 10-14 in. Ppt zone, sedimentary plains, central	
22	ASHUELOT VAR.	0 - 4					Shallow , 10-14 in. Ppt zone, sedimentary plains, central	2
	CRAGO	0 - 4					Silty, limy, 10-14 in. Ppt zone, sedimentary plains, central	
37	CABBA	4 - 8					Shallow, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	4
	DONEY	4 - 8					Silty, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	
	WAYDEN	4 - 8					Shallow, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	
51	CREED	0 - 2					Silty, 10-14 in. Ppt zone, sedimentary plains, central	38
	GERDRUM	0 - 2					Dense clay, 10-14 in. Ppt zone, sedimentary plains, central	
52	CREED	2 - 8					Silty, 10-14 in. Ppt zone, sedimentary plains, central	8
	GERDRUM	2 - 8					Dense clay, 10-14 in. Ppt zone, sedimentary plains, central	
55	DANVERS	0 - 2				X <sup>2</sup>	Clayey, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	3
62	DELPOINT	4 - 8					Silty, 10-14 in. Ppt zone, sedimentary plains, central	78
	YAWDIM	4 - 8					Shallow, 10-14 in. Ppt zone, sedimentary plains, central	
64	DILTS	15 - 50	X				Greater than 10% canopy cover (coniferous), 10-14 in. Ppt zone, sedimentary plains, central	41,107
	JULIN	15 - 25	X				Greater than 10% canopy cover (coniferous), 10-14 in. Ppt zone, sedimentary plains, central	
	ROCK OUTCROP <sup>1</sup>							
65	DILTS	4 - 50	X				Greater than 10% canopy cover (coniferous), 10-14 in. Ppt zone, sedimentary plains, central	4,921
	THEBO	4 - 45	X				Clayey, 10-14 in. Ppt zone, sedimentary plains, central	
	NELDORE	4 - 60	X				Greater than 10% canopy cover (coniferous), 10-14 in. Ppt zone, sedimentary plains, central	
67	DONEY	15 - 60	X				Silty, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	161
	WAYDEN	15 - 50	X				Shallow, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	

Soil Map Unit Symbol	Major Soil Series	Slope Range (%)	Severe Water Erosion Hazard	Severe Wind Erosion Hazard	Hydric Soil	Prime Farmland Soil	Ecological Site	Soil Map Unit Acres
68	DONEY	8 - 15					Silty, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	1
	WINDHAM	8 - 15					Silty, limy, 15-19 in. Ppt zone, northern Rocky Mtn. valleys, central	
69	DONEY	15 - 45	X				Silty, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	67
	WINDHAM	25 - 45	X				Silty, limy, 15-19 in. Ppt zone, northern Rocky Mtn. valleys, central	
75	DOUGHTY	0 - 2					Silty, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	26
	SIPPLE	0 - 2					Silty, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	
80	ELTSAC	8 - 25					Clayey, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	1
	NORBER	8 - 25					Shallow, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	
82	ENBAR	0 - 2				X <sup>2</sup>	Subirrigated, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	92
87	ETHRIDGE	0 - 2				X <sup>3</sup>	Clayey, 10-14 in. Ppt zone, sedimentary plains, central	13
88	ETHRIDGE	2 - 8					Clayey, 10-14 in. Ppt zone, sedimentary plains, central	194
90	EVANSTON	0 - 2					Silty, 10-14 in. Ppt zone, sedimentary plains, central	34
91	EVANSTON	2 - 8					Silty, 10-14 in. Ppt zone, sedimentary plains, central	40
97	FARNUF	0 - 4				X <sup>2</sup>	Silty, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	16
103	FLASHER	25 - 35	X	X			Shallow, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	
	TALLY	25 - 45	X				Sandy, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	81
	ROCK OUTCROP <sup>1</sup>							
104	FLOWEREE	2 - 8					Silty, 10-14 in. Ppt zone, sedimentary plains, central	204
111	GERDRUM	0 - 4					Dense clay, 10-14 in. Ppt zone, sedimentary plains, central	325
112	GERDRUM	0 - 2					Dense clay, 10-14 in. Ppt zone, sedimentary plains, central	107
	ABSHER	0 - 2					Dense clay, 10-14 in. Ppt zone, sedimentary plains, central	
113	GERDRUM	2 - 8					Dense clay, 10-14 in. Ppt zone, sedimentary plains, central	265
	ABSHER	2 - 8					Dense clay, 10-14 in. Ppt zone, sedimentary plains, central	
115	HARLEM	0 - 2				X <sup>3</sup>	Overflow, 10-14 in. Ppt zone, sedimentary plains, central	124
116	HAVRE	0 - 2					Silty, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	134
117	HAVRE	0 - 2					Silty, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	261

Soil Map Unit Symbol	Major Soil Series	Slope Range (%)	Severe Water Erosion Hazard	Severe Wind Erosion Hazard	Hydric Soil	Prime Farmland Soil	Ecological Site	Soil Map Unit Acres
118	HAVRE	0 - 2					Overflow, 10-14 in. Ppt zone, sedimentary plains, central	4,969
	HARLEM	0 - 2					Overflow, 10-14 in. Ppt zone, sedimentary plains, central	
141	KOBAR	2 - 8					Clayey, 10-14 in. Ppt zone, sedimentary plains, central	1,052
142	KOBAR	2 - 25					Clayey, 10-14 in. Ppt zone, sedimentary plains, central	1,778
144	KORCHEA	0 - 2					Silty, 20+ in. Ppt zone, northern Rocky Mtn. foothills, central	94
	FRAZER	0 - 2					Overflow, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	
146	LAWTHER	4 - 8					Clayey, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	1
160	MARIAS	0 - 2					Clayey, 10-14 in. Ppt zone, sedimentary plains, central	31
161	MARIAS	2 - 8					Clayey, 10-14 in. Ppt zone, sedimentary plains, central	177
162	MARMARTH	2 - 8					Silty, 10-14 in. Ppt zone, sedimentary plains, central	26
163	MARMARTH	4 - 8					Silty, 10-14 in. Ppt zone, sedimentary plains, central	328
	CABBART	4 - 8					Shallow, 10-14 in. Ppt zone, sedimentary plains, central	
165	MARTINSDALE	4 - 8					Silty, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	13
	JUDITH	4 - 8					Silty, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	
174	NELDORE	4 - 25					Shallow clay, 10-14 in. Ppt zone, sedimentary plains, central	6,261
	THEBO	4 - 25					Clayey, 10-14 in. Ppt zone, sedimentary plains, central	
175	NELDORE	25 - 60	X				Shallow clay, 10-14 in. Ppt zone, sedimentary plains, central	6,907
	THEBO	25 - 45	X				Clayey, 10-14 in. Ppt zone, sedimentary plains, central	
176	NELDORE	15 - 60	X				Shallow clay, 10-14 in. Ppt zone, sedimentary plains, central	23,073
	ROCK OUTCROP <sup>1</sup>							
178	NESDA	0 - 2					Greater than 10% canopy cover of deciduous trees	77
	SUDWORTH	0 - 2					Greater than 10% canopy cover of deciduous trees	
182	PENDROY	0 - 4					Clayey, 10-14 in. Ppt zone, sedimentary plains, central	158
190	ROCK OUTCROP <sup>1</sup>							17,212
199	SHAMBO	0 - 2				X <sup>2</sup>	Silty, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	5
200	SHAMBO	2 - 8					Silty, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	23
215	TALLY	2 - 8				X <sup>2</sup>	Sandy, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	63

Soil Map Unit Symbol	Major Soil Series	Slope Range (%)	Severe Water Erosion Hazard	Severe Wind Erosion Hazard	Hydric Soil	Prime Farmland Soil	Ecological Site	Soil Map Unit Acres
216	TALLY	4 - 25					Sandy, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	1
	FLASHER	8 - 25		X			Shallow, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	
221	TAMANEEN	2 - 4				X <sup>3</sup>	Clayey, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	2
	JUDITH	2 - 4				X <sup>3</sup>	Clayey, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	
222	TANNA	0 - 4				X <sup>3</sup>	Clayey, 10-14 in. Ppt zone, sedimentary plains, central	8
223	TANNA	2 - 8					Clayey, 10-14 in. Ppt zone, sedimentary plains, central	140
	ABOR	2 - 8					Clayey, 10-14 in. Ppt zone, sedimentary plains, central	
233	THEBO	2 - 8					Clayey, 10-14 in. Ppt zone, sedimentary plains, central	326
234	THEBO	8 - 25					Clayey, 10-14 in. Ppt zone, sedimentary plains, central	2,774
235	THEBO	4 - 15					Clayey, 10-14 in. Ppt zone, sedimentary plains, central	
	WEINGART	4 - 8					Dense clay, 10-14 in. Ppt zone, sedimentary plains, central	1,846
	ABSHER	4 - 8					Dense clay, 10-14 in. Ppt zone, sedimentary plains, central	
252	VANDA	0 - 8					Dense clay, 10-14 in. Ppt zone, sedimentary plains, central	151
253	VANDA	0 - 4					Dense clay, 10-14 in. Ppt zone, sedimentary plains, central	220
	NOBE	0 - 4					Saline upland, 10-14 in. Ppt zone, sedimentary plains, central	
275	WINIFRED	15 - 45	X				Clayey, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	
	WINDHAM	15 - 45	X				Silty, limy, 15-19 in. Ppt zone, northern Rocky Mtn. valleys, central	45
	ELTSAC	15 - 45	X				Clayey, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	
277	WORK	2 - 8					Silty, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	9
278	YAMAC	2 - 8					Silty, 10-14 in. Ppt zone, sedimentary plains, central	587
279	YAMAC	4 - 25					Silty, 10-14 in. Ppt zone, sedimentary plains, central	
	DELPOINT	4 - 25					Silty, 10-14 in. Ppt zone, sedimentary plains, central	2,583
	YAWDIM	4 - 25					Shallow, 10-14 in. Ppt zone, sedimentary plains, central	
281	YAWDIM	8 - 50	X				Shallow, 10-14 in. Ppt zone, sedimentary plains, central	
	ABOR	8 - 45	X				Clayey, 10-14 in. Ppt zone, sedimentary plains, central	2,364
	RENTSAC	8 - 60	X				Shallow, 10-14 in. Ppt zone, sedimentary plains, central	

Soil Map Unit Symbol	Major Soil Series	Slope Range (%)	Severe Water Erosion Hazard	Severe Wind Erosion Hazard	Hydric Soil	Prime Farmland Soil	Ecological Site	Soil Map Unit Acres
282	YAWDIM	25 - 50	X				Shallow, 10-14 in. Ppt zone, sedimentary plains, central	
	DELPOINT	25 - 45	X				Silty, 10-14 in. Ppt zone, sedimentary plains, central	9,065
	ROCK OUTCROP <sup>1</sup>							
<b>PHILLIPS COUNTY - SSA 641</b>								
30A	MARVAN	0 - 2					Clayey, 10-14 in. Ppt zone, glaciated plains, central	126
37C	EVANSTON	4 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, central	17
81A	GLENDIVE	0 - 2					Silty, 10-14 in. Ppt zone, glaciated plains, central	156
101E	BARKOF	8 - 25					Clayey, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	40
	WINDHAM	8 - 25					Silty, limy, 15-19 in. Ppt zone, northern Rocky Mtn. valleys, central	
241B	BENZ	0 - 4					Saline upland, 10-14 in. Ppt zone, glaciated plains, central	45
	VANDA	0 - 4					Dense clay, 10-14 in. Ppt zone, glaciated plains, central	
250E	BASCOVY	8 - 25					Thin clayey, 10-14 in. Ppt zone, sedimentary plains, central	
	NELDORE	8 - 25					Shallow clay, 10-14 in. Ppt zone, sedimentary plains, central	382
	WEINGART	8 - 15					Dense clay, 10-14 in. Ppt zone, sedimentary plains, central	
251C	BASCOVY	2 - 8					Clayey, 10-14 in. Ppt zone, sedimentary plains, central	
	NELDORE	2 - 8					Shallow clay, 10-14 in. Ppt zone, sedimentary plains, central	1,529
301C	MARVAN, SALINE	2 - 8					Dense clay, 10-14 in. Ppt zone, glaciated plains, central	
	MARVAN	2 - 8					Clayey, 10-14 in. Ppt zone, glaciated plains, central	38
302B	MARVAN, SALINE	0 - 8					Dense clay, 10-14 in. Ppt zone, glaciated plains, central	
	VANDA	0 - 8					Dense clay, 10-14 in. Ppt zone, glaciated plains, central	625
322C	KOBASE	2 - 8					Clayey, 10-14 in. Ppt zone, glaciated plains, central	
	MEGONOT	2 - 8					Clayey, 10-14 in. Ppt zone, glaciated plains, central	28
392B	CREED	0 - 4					Clay pan, 10-14 in. Ppt zone, glaciated plains, central	
	GERDRUM	0 - 4					Clay pan, 10-14 in. Ppt zone, glaciated plains, central	159

Soil Map Unit Symbol	Major Soil Series	Slope Range (%)	Severe Water Erosion Hazard	Severe Wind Erosion Hazard	Hydric Soil	Prime Farmland Soil	Ecological Site	Soil Map Unit Acres
521B	ELLOAM	0 - 4					Clay pan, 10-14 in. Ppt zone, glaciated plains, central	2,030
	ABSHER	0 - 4					Dense clay, 10-14 in. Ppt zone, glaciated plains, central	
563C	SCOBAY	2 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, central	6
	KEVIN	2 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, central	
601A	HAVRE	0 - 2					Silty, 10-14 in. Ppt zone, glaciated plains, central	51
	HARLAKE	0 - 2					Clayey, 10-14 in. Ppt zone, glaciated plains, central	
	GLENDIVE	0 - 2					Silty, 10-14 in. Ppt zone, glaciated plains, central	
792C	YAMACALL	2 - 8					Silty, 10-14 in. Ppt zone, glaciated plains, central	14
871B	TAMANEEN	0 - 4				X <sup>3</sup>	Clayey, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	6
	DANVERS	0 - 4				X <sup>3</sup>	Clayey, 15-19 in. Ppt zone, northern Rocky Mtn. foothills, central	
925C	SUNBURST	2 - 8					Clayey, 10-14 in. Ppt zone, glaciated plains, central	557
	BASCOVY	2 - 8					Clayey, 10-14 in. Ppt zone, glaciated plains, central	
	WEINGART	2 - 8					Dense clay, 10-14 in. Ppt zone, glaciated plains, central	
973E	NELDORE, COOL	8 - 35	X				Greater than 10% canopy cover (coniferous), 10-14 in. Ppt zone, sedimentary plains, central	223
	BASCOVY	8 - 35	X				Thin clayey, 10-14 in. Ppt zone, sedimentary plains, central	2,242
1021E	CABBART	8 - 35	X				Shallow , 10-14 in. Ppt zone, sedimentary plains, central	
	TWILIGHT	8 - 35					Sandy-Steep, 10-14 in. Ppt zone, sedimentary plains, central	
	YAWDIM	8 - 35	X				Shallow clay, 10-14 in. Ppt zone, sedimentary plains, central	
1052B	ELLOAM	0 - 6					Clay pan, 10-14 in. Ppt zone, glaciated plains, central	152
	THOENY	0 - 6					Clay pan, 10-14 in. Ppt zone, glaciated plains, central	
1059E	WEINGART	4 - 15					Clay pan, 10-14 in. Ppt zone, glaciated plains, central	50
	VAEDA	4 - 8					Dense clay, 10-14 in. Ppt zone, glaciated plains, central	
	BASCOVY	4 - 25	X				Thin clayey, 10-14 in. Ppt zone, glaciated plains, central	
1066D	TWILIGHT	4 - 15					Sandy, 10-14 in. Ppt zone, sedimentary plains, central	677
	CABBART	4 - 15					Shallow, 10-14 in. Ppt zone, sedimentary plains, central	
	MARMARTH	4 - 15					Silty, 10-14 in. Ppt zone, sedimentary plains, central	

Soil Map Unit Symbol	Major Soil Series	Slope Range (%)	Severe Water Erosion Hazard	Severe Wind Erosion Hazard	Hydric Soil	Prime Farmland Soil	Ecological Site	Soil Map Unit Acres
1090B	HARLAKE	0 - 2					Clayey, 10-14 in. Ppt zone, glaciated plains, central	1,531
	MARVAN	0 - 4					Clayey, 10-14 in. Ppt zone, glaciated plains, central	
1251E	NELDORE	8 - 35	X				Shallow clay, 10-14 in. Ppt zone, sedimentary plains, central	8,363
	BASCOVY	8 - 35	X				Thin clayey, 10-14 in. Ppt zone, sedimentary plains, central	
1392B	CREED	0 - 4					Clay pan, 10-14 in. Ppt zone, glaciated plains, central	495
	GERDRUM	0 - 4					Clay pan, 10-14 in. Ppt zone, glaciated plains, central	
	ABSHER	0 - 4					Dense clay, 10-14 in. Ppt zone, glaciated plains, central	
1400F	ROCK OUTCROP <sup>1</sup>							2,066
	ARSITE	8 - 60	X				Saline upland, 10-14 in. Ppt zone, sedimentary plains, central	
1920F	SUNBURST	15 - 45	X				Thin clayey, 10-14 in. Ppt zone, glaciated plains, central	868
	NELDORE	15 - 45	X				Shallow clay, 10-14 in. Ppt zone, glaciated plains, central	
1970F	NELDORE	8 - 60	X				Shallow clay, 10-14 in. Ppt zone, sedimentary plains, central	1,662
	BASCOVY	8 - 45	X				Thin clayey, 10-14 in. Ppt zone, sedimentary plains, central	
	ROCK OUTCROP <sup>1</sup>							
1971F	YAWDIM	25 - 70	X				Shallow clay, 10-14 in. Ppt zone, sedimentary plains, central	6,791
	CABBART	25 - 70	X				Shallow, 10-14 in. Ppt zone, sedimentary plains, central	
	ROCK OUTCROP <sup>1</sup>							
1973F	NELDORE, MOIST	15 - 60	X				Greater than 10% canopy cover (coniferous), 10-14 in. Ppt zone, sedimentary plains, central	16,543
	NELDORE	15 - 60	X				Greater than 10% canopy cover (coniferous), 10-14 in. Ppt zone, sedimentary plains, central	
	ROCK OUTCROP <sup>1</sup>							
1976F	NELDORE	15 - 60	X				Greater than 10% canopy cover (coniferous), 10-14 in. Ppt zone, sedimentary plains, central	4,700
	PINEBREAKS	15 - 45	X				Greater than 10% canopy cover (coniferous), 10-14 in. Ppt zone, sedimentary plains, central	
	BASCOVY	15 - 45	X				Thin clayey, 10-14 in. Ppt zone, sedimentary plains, central	

Soil Map Unit Symbol	Major Soil Series	Slope Range (%)	Severe Water Erosion Hazard	Severe Wind Erosion Hazard	Hydric Soil	Prime Farmland Soil	Ecological Site	Soil Map Unit Acres
1977F	VOLBORG	15 - 60	X	X			Greater than 10% canopy cover (coniferous), 10-14 in. Ppt zone, sedimentary plains, central	348
	PINEBREAKS	15 - 45	X				Greater than 10% canopy cover (coniferous), 10-14 in. Ppt zone, sedimentary plains, central	

\* Ppt = Precipitation

1. Miscellaneous area. Rock outcrop = areas of exposed bedrock.
2. All areas are prime farmland.
3. Prime farmland if irrigated.
4. Prime farmland if drained.

