

Section II
Soil and Site Information

Building Site Development
Butte County, South Dakota

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
AbA: Absher-----	55	Very limited Shrink-swell	1.00	Somewhat limited Depth to saturated zone	0.61	Very limited Sodium content	1.00
		Low strength	1.00	Too clayey Cutbanks cave	0.28 0.10	Salinity	0.50
Loburn-----	30	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Very limited Sodium content	1.00
AbB: Absher-----	50	Very limited Shrink-swell	1.00	Somewhat limited Depth to saturated zone	0.61	Very limited Sodium content	1.00
		Low strength	1.00	Too clayey Cutbanks cave	0.28 0.10	Salinity	0.50
Loburn-----	30	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Very limited Sodium content	1.00
AeB: Absher-----	50	Very limited Shrink-swell	1.00	Somewhat limited Depth to saturated zone	0.61	Very limited Sodium content	1.00
		Low strength	1.00	Too clayey Cutbanks cave	0.28 0.10	Salinity	0.50
Slickspots, Dry----	30	Not rated		Not rated		Not rated	
AfB: Alice-----	85	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
AfC: Alice-----	80	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
AlA: Altvan-----	85	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
AlB: Altvan-----	85	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
AnA: Archin-----	60	Not limited		Somewhat limited Cutbanks cave	0.10	Very limited Sodium content	1.00
Slickspots, Dry----	30	Not rated		Not rated		Not rated	
ArA: Arvada-----	90	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Too clayey Cutbanks cave	0.28 0.10	Very limited Sodium content Droughty	1.00 0.01
AsA: Arvada-----	60	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Too clayey Cutbanks cave	0.28 0.10	Very limited Sodium content Droughty	1.00 0.01
Slickspots, Dry----	30	Not rated		Not rated		Not rated	
AtA: Assinniboine-----	90	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
BaA: Baca-----	90	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
BaB: Baca-----	90	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Bd: Badland-----	75	Not rated		Not rated		Not rated	
Be: Barnum-----	90	Somewhat limited Low strength Shrink-swell Flooding	0.78 0.50 0.40	Somewhat limited Cutbanks cave	0.10	Somewhat limited Salinity	0.13
Bh: Barnum-----	90	Very limited Flooding Low strength Shrink-swell	1.00 0.78 0.50	Somewhat limited Flooding Cutbanks cave	0.60 0.10	Somewhat limited Flooding Salinity	0.60 0.13
BlA: Belfield-----	60	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Depth to saturated zone Cutbanks cave	0.15 0.10	Not limited	
Loburn-----	30	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Very limited Sodium content	1.00
BlB: Belfield-----	60	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Depth to saturated zone Cutbanks cave	0.15 0.10	Not limited	
Loburn-----	30	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Very limited Sodium content	1.00
BmA: Bidman-----	90	Somewhat limited Shrink-swell Low strength	0.50 0.22	Very limited Cutbanks cave Too clayey	1.00 0.03	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BmB: Bidman-----	85	Somewhat limited Shrink-swell Low strength	0.50 0.22	Very limited Cutbanks cave Too clayey	1.00 0.03	Not limited	
BrB: Bidman-----	60	Somewhat limited Shrink-swell Low strength	0.50 0.22	Very limited Cutbanks cave Too clayey	1.00 0.03	Not limited	
Redig-----	30	Somewhat limited Shrink-swell	0.50	Very limited Cutbanks cave	1.00	Not limited	
BsB: Boneek-----	90	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
BsC: Boneek-----	90	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
BtB: Broadhurst-----	85	Very limited Low strength Shrink-swell	1.00 1.00	Very limited Too clayey Cutbanks cave	1.00 0.10	Very limited Too clayey Droughty	1.00 0.01
BuD: Butche-----	50	Very limited Depth to hard bedrock Slope Content of large stones	1.00 1.00 0.15	Very limited Depth to hard bedrock Slope Content of large stones Cutbanks cave	1.00 1.00 0.15 0.10	Very limited Depth to bedrock Droughty Slope Content of large stones	1.00 1.00 1.00 0.11
Boneek-----	30	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BvF: Butche-----	50	Very limited Depth to hard bedrock Slope Content of large stones	1.00 1.00 0.15	Very limited Depth to hard bedrock Slope Content of large stones Cutbanks cave	1.00 1.00 0.15 0.10	Very limited Depth to bedrock Slope Droughty Content of large stones	1.00 1.00 1.00 0.11
Rock Outcrop, Sandy-	30	Not rated		Not rated		Not rated	
CaF: Cabbart-----	80	Very limited Slope Depth to soft bedrock Low strength	1.00 1.00 1.00	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty	1.00 1.00 0.96
CbD: Cabbart-----	45	Very limited Depth to soft bedrock Low strength Slope	1.00 1.00 0.63	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 0.63 0.10	Very limited Depth to bedrock Droughty Slope	1.00 0.96 0.63
Lismas-----	35	Very limited Shrink-swell Depth to soft bedrock Low strength Slope	1.00 1.00 1.00 0.63	Very limited Depth to soft bedrock Too clayey Slope Cutbanks cave	1.00 1.00 0.63 0.10	Very limited Too clayey Depth to bedrock Droughty Slope	1.00 1.00 1.00 0.63
CcF: Cabbart-----	50	Very limited Slope Depth to soft bedrock Low strength	1.00 1.00 1.00	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty	1.00 1.00 0.96

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Rock Outcrop, Sandstone-----	40	Not rated		Not rated		Not rated	
CgD: Cabbart-----	50	Very limited Depth to soft bedrock Slope Low strength	1.00 1.00 1.00	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty	1.00 1.00 0.96
Scroggin-----	30	Very limited Slope Low strength Frost action	1.00 1.00 0.50	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.42 0.10	Very limited Slope Depth to bedrock	1.00 0.42
ClF: Canyon-----	50	Very limited Slope Depth to soft bedrock	1.00 1.00	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty	1.00 1.00 0.98
Colby-----	25	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
CmA: Nunn-----	90	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
CmB: Nunn-----	90	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
CmC: Nunn-----	85	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
CnA: Chinook-----	90	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
CoD: Colby-----	50	Very limited Low strength Slope	1.00 0.37	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope	0.37
Canyon-----	30	Very limited Slope Depth to soft bedrock	1.00 1.00	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty	1.00 1.00 0.98
DsA: Dix-----	80	Not limited		Very limited Cutbanks cave Depth to dense layer	1.00 0.50	Very limited Droughty	1.00
EpD: Epsie-----	85	Very limited Depth to soft bedrock Low strength Shrink-swell Slope	1.00 1.00 1.00 0.96	Very limited Depth to soft bedrock Slope Too clayey Cutbanks cave	1.00 0.96 0.88 0.10	Very limited Depth to bedrock Droughty Too clayey Slope Salinity	1.00 1.00 1.00 0.96 0.50
EsE: Epsie-----	70	Very limited Depth to soft bedrock Low strength Shrink-swell Slope	1.00 1.00 1.00 1.00	Very limited Depth to soft bedrock Slope Too clayey Cutbanks cave	1.00 1.00 0.88 0.10	Very limited Depth to bedrock Droughty Slope Too clayey Salinity	1.00 1.00 1.00 1.00 0.50
Rock Outcrop, Soft--	30	Not rated		Not rated		Not rated	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
GgA: Glenberg-----	85	Not limited		Very limited Cutbanks cave	1.00	Not limited	
GgB: Glenberg-----	85	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Gh: Glenberg-----	45	Very limited Flooding	1.00	Very limited Cutbanks cave Flooding	1.00 0.60	Somewhat limited Flooding	0.60
Haverson-----	45	Very limited Flooding Low strength Shrink-swell	1.00 0.78 0.50	Very limited Cutbanks cave Flooding	1.00 0.80	Very limited Flooding	1.00
GnC: Graner-----	90	Very limited Low strength Slope Shrink-swell	1.00 0.96 0.50	Somewhat limited Slope Too clayey Cutbanks cave	0.96 0.68 0.10	Very limited Too clayey Slope Droughty	1.00 0.96 0.01
GrE: Grummit-----	90	Very limited Slope Depth to soft bedrock Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to soft bedrock Slope Too clayey Cutbanks cave	1.00 1.00 0.72 0.10	Very limited Depth to bedrock Slope Droughty Too clayey	1.00 1.00 1.00 1.00
Ha: Hanly-----	85	Very limited Flooding	1.00	Very limited Cutbanks cave Flooding	1.00 0.60	Somewhat limited Flooding Droughty	0.60 0.01
HeA: Haverson-----	80	Somewhat limited Shrink-swell Flooding	0.50 0.40	Very limited Cutbanks cave	1.00	Not limited	
HeB: Haverson-----	80	Somewhat limited Shrink-swell Flooding	0.50 0.40	Very limited Cutbanks cave	1.00	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HlB: Hisle-----	80	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Too clayey Depth to soft bedrock Cutbanks cave	0.88 0.42 0.10	Very limited Sodium content Droughty Depth to bedrock	1.00 0.58 0.42
HsB: Hisle-----	55	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Too clayey Depth to soft bedrock Cutbanks cave	0.88 0.42 0.10	Very limited Sodium content Droughty Depth to bedrock	1.00 0.58 0.42
Slickspots, Dry----	30	Not rated		Not rated		Not rated	
KeA: Keith-----	90	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
KeB: Keith-----	90	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
KeC: Keith-----	85	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
KlA: Kyle-----	90	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Cutbanks cave	1.00 1.00	Very limited Too clayey Droughty	1.00 0.01
KlB: Kyle-----	90	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Cutbanks cave	1.00 1.00	Very limited Too clayey Droughty	1.00 0.01
KlC: Kyle-----	85	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Cutbanks cave	1.00 1.00	Very limited Too clayey Droughty	1.00 0.01

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Kt: Kyle-----	95	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Cutbanks cave	1.00 1.00	Very limited Too clayey Droughty	1.00 0.01
KuB: Kyle-----	50	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Cutbanks cave	1.00 1.00	Very limited Too clayey Droughty	1.00 0.01
Pierre-----	30	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Cutbanks cave Too clayey Depth to soft bedrock	1.00 0.88 0.42	Very limited Too clayey Droughty Depth to bedrock	1.00 0.66 0.42
LaF: Lakoa-----	50	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Colby-----	35	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
LcE: Liskas-----	75	Very limited Shrink-swell Depth to soft bedrock Low strength Slope	1.00 1.00 1.00 0.96	Very limited Depth to soft bedrock Too clayey Slope Cutbanks cave	1.00 1.00 0.96 0.10	Very limited Too clayey Depth to bedrock Droughty Slope	1.00 1.00 1.00 0.96
LeD: Liskas-----	50	Very limited Shrink-swell Depth to soft bedrock Low strength Slope	1.00 1.00 1.00 0.37	Very limited Depth to soft bedrock Too clayey Slope Cutbanks cave	1.00 1.00 0.37 0.10	Very limited Too clayey Depth to bedrock Droughty Slope	1.00 1.00 1.00 0.37

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Pierre-----	35	Very limited Shrink-swell Low strength Slope	1.00 1.00 0.63	Very limited Cutbanks cave Too clayey Slope Depth to soft bedrock	1.00 0.88 0.63 0.42	Very limited Too clayey Droughty Slope Depth to bedrock	1.00 0.66 0.63 0.42
Lm: Haverson-----	90	Very limited Flooding Low strength Shrink-swell	1.00 0.78 0.50	Very limited Cutbanks cave Flooding	1.00 0.80	Very limited Flooding	1.00
LnA: Lohmiller-----	80	Very limited Low strength Shrink-swell Flooding	1.00 1.00 0.40	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
LnB: Lohmiller-----	80	Very limited Low strength Shrink-swell Flooding	1.00 1.00 0.40	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
Lo: Sage-----	95	Very limited Shrink-swell Frost action Low strength Depth to saturated zone Flooding	1.00 1.00 1.00 1.00 0.40	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.50 0.10	Very limited Salinity Depth to saturated zone Droughty	1.00 1.00 0.19
Ls: Lohmiller Variant---	95	Very limited Flooding Low strength Shrink-swell	1.00 1.00 1.00	Somewhat limited Flooding Cutbanks cave Too clayey	0.80 0.10 0.03	Very limited Flooding	1.00
MaA: Manter-----	85	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
MaB: Manter-----	85	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
McA: Manvel-----	95	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
McB: Manvel-----	85	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
Mh: Aquolls-----	100	Very limited Ponding Depth to saturated zone Frost action Shrink-swell	1.00 1.00 1.00 0.50	Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave	1.00 1.00 0.50 0.10	Very limited Ponding Depth to saturated zone Too clayey	1.00 1.00 1.00
MLA: Mawer-----	80	Not limited		Somewhat limited Cutbanks cave	0.10	Somewhat limited Droughty	0.01
MLB: Mawer-----	80	Not limited		Somewhat limited Cutbanks cave	0.10	Somewhat limited Droughty	0.01
Mn: Mckenzie-----	90	Very limited Depth to saturated zone Low strength Shrink-swell Ponding	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Ponding Too clayey	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Too clayey Ponding Salinity	1.00 1.00 1.00 0.13
MoE: Midway-----	80	Very limited Depth to soft bedrock Low strength Shrink-swell Slope	1.00 1.00 1.00 1.00	Very limited Depth to soft bedrock Slope Cutbanks cave Too clayey	1.00 1.00 0.10 0.03	Very limited Depth to bedrock Slope Droughty	1.00 1.00 0.98

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
MrD: Midway-----	50	Very limited Depth to soft bedrock Low strength Shrink-swell Slope	1.00 1.00 1.00 0.04	Very limited Depth to soft bedrock Cutbanks cave Slope Too clayey	1.00 0.10 0.04 0.03	Very limited Depth to bedrock Droughty Slope	1.00 0.98 0.04
Razor-----	30	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Depth to soft bedrock Too clayey Cutbanks cave	0.42 0.28 0.10	Somewhat limited Depth to bedrock	0.42
Ms: Minatare-----	55	Very limited Low strength Shrink-swell Frost action Flooding Depth to saturated zone	1.00 1.00 0.50 0.40 0.19	Very limited Cutbanks cave Depth to saturated zone Depth to dense layer Too clayey	1.00 1.00 0.50 0.03	Very limited Sodium content Depth to saturated zone	1.00 0.19
Whitelake-----	40	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.61 0.10	Very limited Sodium content	1.00
Mt: Orthents, Tailings--	100	Not rated		Not rated		Not rated	
MuB: Minnequa-----	85	Somewhat limited Low strength	0.78	Somewhat limited Depth to soft bedrock Cutbanks cave	0.42 0.10	Somewhat limited Depth to bedrock Droughty	0.42 0.01
MuC: Minnequa-----	85	Somewhat limited Low strength	0.78	Somewhat limited Depth to soft bedrock Cutbanks cave	0.42 0.10	Somewhat limited Depth to bedrock Droughty	0.42 0.01

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
NeB: Nevee-----	90	Somewhat limited Low strength	0.78	Somewhat limited Cutbanks cave	0.10	Not limited	
NsD: Nevee-----	55	Very limited Slope Low strength	1.00 0.78	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Spearfish-----	35	Very limited Depth to soft bedrock Slope	1.00 1.00	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty	1.00 1.00 0.97
ObA: Loburn-----	85	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Very limited Sodium content	1.00
PaA: Parshall-----	85	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
PeE: Enning-----	80	Very limited Depth to soft bedrock Low strength Slope	1.00 1.00 1.00	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Slope Carbonate content Droughty	1.00 1.00 1.00 0.99
PmD: Enning-----	50	Very limited Depth to soft bedrock Low strength Slope	1.00 1.00 0.04	Very limited Depth to soft bedrock Cutbanks cave Slope	1.00 0.10 0.04	Very limited Depth to bedrock Carbonate content Droughty Slope	1.00 1.00 0.99 0.04
Minnequa-----	30	Somewhat limited Low strength Slope	0.78 0.04	Somewhat limited Depth to soft bedrock Cutbanks cave Slope	0.42 0.10 0.04	Somewhat limited Depth to bedrock Slope Droughty	0.42 0.04 0.01

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
PrA: Pierre-----	90	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Cutbanks cave Too clayey Depth to soft bedrock	1.00 0.88 0.42	Very limited Too clayey Droughty Depth to bedrock	1.00 0.66 0.42
PrB: Pierre-----	80	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Cutbanks cave Too clayey Depth to soft bedrock	1.00 0.88 0.42	Very limited Too clayey Droughty Depth to bedrock	1.00 0.66 0.42
PrD: Pierre-----	80	Very limited Shrink-swell Slope Low strength	1.00 1.00 1.00	Very limited Slope Cutbanks cave Too clayey Depth to soft bedrock	1.00 1.00 0.88 0.42	Very limited Too clayey Slope Droughty Depth to bedrock	1.00 1.00 0.66 0.42
RaB: Ralph-----	80	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Depth to soft bedrock Cutbanks cave	0.42 0.10	Somewhat limited Depth to bedrock	0.42
RcA: Razor-----	95	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Depth to soft bedrock Too clayey Cutbanks cave	0.42 0.28 0.10	Somewhat limited Depth to bedrock	0.42
RcB: Razor-----	90	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Depth to soft bedrock Too clayey Cutbanks cave	0.42 0.28 0.10	Somewhat limited Depth to bedrock	0.42

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
RcC: Razor-----	85	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Depth to soft bedrock Too clayey Cutbanks cave	0.42 0.28 0.10	Somewhat limited Depth to bedrock	0.42
RdE: Redig-----	85	Very limited Slope Shrink-swell	1.00 0.50	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope	1.00
Rh: Riverwash-----	100	Not rated		Not rated		Not rated	
RsF: Rock Outcrop, Sandstone-----	50	Not rated		Not rated		Not rated	
Spearfish-----	35	Very limited Slope Depth to soft bedrock	1.00 1.00	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty	1.00 1.00 0.97
Sa: Sage-----	55	Very limited Shrink-swell Frost action Flooding Low strength Depth to saturated zone	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Flooding Too clayey Cutbanks cave	1.00 0.60 0.50 0.10	Very limited Salinity Depth to saturated zone Flooding Droughty	1.00 1.00 0.60 0.19

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Slickspots, Dry-----	25	Not rated		Not rated		Not rated	
Sb: Sage-----	80	Very limited Shrink-swell	1.00	Very limited Depth to saturated zone	1.00	Very limited Salinity	1.00
		Frost action	1.00	Flooding	0.60	Depth to saturated zone	1.00
		Flooding	1.00	Too clayey	0.50	Flooding	0.60
		Low strength	1.00	Cutbanks cave	0.10	Droughty	0.19
		Depth to saturated zone	1.00				
ScA: Satanta-----	80	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
ScB: Satanta-----	80	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
ScC: Satanta-----	80	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
SdA: Savo-----	85	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50	Too clayey	0.03		
SdB: Savo-----	85	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50	Too clayey	0.03		
SeE: Schamber-----	75	Very limited Slope	1.00	Very limited Cutbanks cave	1.00	Very limited Slope	1.00
				Slope	1.00		

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Sg: Rock Outcrop, Soft--	80	Not rated		Not rated		Not rated	
ShF: Rock Outcrop, Soft--	60	Not rated		Not rated		Not rated	
Grummit-----	30	Very limited Slope	1.00	Very limited Depth to soft bedrock	1.00	Very limited Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.72	Droughty	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Too clayey	1.00
SkB: Slickspots, Dry----	60	Not rated		Not rated		Not rated	
Demar-----	40	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Shrink-swell	1.00	Too clayey	0.28		
				Cutbanks cave	0.10		
SlB: Slickspots, Dry----	60	Not rated		Not rated		Not rated	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Wasa-----	30	Very limited Low strength Shrink-swell	1.00 1.00	Very limited Too clayey Cutbanks cave Depth to soft bedrock	1.00 1.00 0.42	Very limited Too clayey Droughty Depth to bedrock	1.00 0.97 0.42
SmE: Snomo-----	55	Very limited Low strength Slope Shrink-swell	1.00 0.63 0.50	Very limited Too clayey Slope Cutbanks cave	1.00 0.63 0.10	Very limited Too clayey Slope	1.00 0.63
Rock Outcrop, Soft--	30	Not rated		Not rated		Not rated	
SnB: Sorun-----	80	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Very limited Sodium content	1.00
Sr: Stetter-----	85	Very limited Flooding Low strength Shrink-swell	1.00 1.00 1.00	Somewhat limited Too clayey Flooding Cutbanks cave	0.72 0.60 0.10	Very limited Too clayey Flooding	1.00 0.60
Ss: Stetter-----	95	Very limited Flooding Low strength Shrink-swell	1.00 1.00 1.00	Somewhat limited Flooding Too clayey Cutbanks cave	0.80 0.72 0.10	Very limited Flooding Too clayey	1.00 1.00
St: Lismas-----	60	Very limited Shrink-swell Depth to soft bedrock Low strength Slope	1.00 1.00 1.00 1.00	Very limited Depth to soft bedrock Too clayey Slope Cutbanks cave	1.00 1.00 1.00 0.10	Very limited Too clayey Depth to bedrock Droughty Slope Content of large stones	1.00 1.00 1.00 1.00 1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
SuA: Swanboy-----	85	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Cutbanks cave	1.00 1.00	Very limited Too clayey Droughty	1.00 0.06
Sv: Swanboy-----	50	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Cutbanks cave	1.00 1.00	Very limited Too clayey Droughty	1.00 0.06
Slickspots, Dry----	30	Not rated		Not rated		Not rated	
Te: Lismas-----	60	Very limited Shrink-swell Slope Depth to soft bedrock Low strength	1.00 1.00 1.00 1.00	Very limited Depth to soft bedrock Slope Too clayey Cutbanks cave	1.00 1.00 1.00 0.10	Very limited Too clayey Depth to bedrock Slope Droughty	1.00 1.00 1.00 1.00
Rock Outcrop, Soft--	20	Not rated		Not rated		Not rated	
TfD: Twilight-----	70	Very limited Slope	1.00	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.42 0.10	Very limited Slope Depth to bedrock Droughty	1.00 0.42 0.37
TgC: Twilight-----	40	Not limited		Somewhat limited Depth to soft bedrock Cutbanks cave	0.42 0.10	Somewhat limited Depth to bedrock Droughty	0.42 0.37
Assinniboine-----	30	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
ThD: Twilight-----	50	Very limited Slope	1.00	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.42 0.10	Very limited Slope Depth to bedrock Droughty	1.00 0.42 0.37
Blackhall-----	30	Somewhat limited Depth to soft bedrock Slope	1.00 0.63	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 0.63 0.10	Very limited Depth to bedrock Droughty Slope	1.00 1.00 0.63
ToB: Twotop-----	85	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Cutbanks cave	1.00 1.00	Very limited Too clayey Droughty	1.00 0.01
VaA: Vale-----	90	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
w: Water (less Than 40 Acres)-----	100	Not rated		Not rated		Not rated	
WaB: Wasa-----	60	Very limited Low strength Shrink-swell	1.00 1.00	Very limited Too clayey Cutbanks cave Depth to soft bedrock	1.00 1.00 0.42	Very limited Too clayey Droughty Depth to bedrock	1.00 0.97 0.42
Slickspots, Dry-----	35	Not rated		Not rated		Not rated	
WhA: Whitelake-----	85	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.61 0.10	Very limited Sodium content	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
WnB: Winler-----	70	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Cutbanks cave Depth to soft bedrock	1.00 1.00 0.42	Very limited Too clayey Droughty Depth to bedrock	1.00 0.84 0.42
ww: Water (greater Than 40 Acres)-----	100	Not rated		Not rated		Not rated	
ZeB: Zeona-----	80	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.26