

Section II
Soil and Site Information

Building Site Development
Brown County, South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

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
Ab: Aberdeen-----	50	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 0.47 0.12	Not limited	
Nahon-----	30	Very limited Shrink-swell Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 0.47 0.12	Very limited Sodium content	1.00
Ac: Aberdeen-----	50	Very limited Shrink-swell Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 0.47 0.12	Not limited	
Nahon-----	35	Very limited Shrink-swell Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 0.47 0.12	Very limited Sodium content	1.00
Ad: Aberdeen-----	50	Very limited Shrink-swell Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 0.47 0.12	Not limited	
Urban Land-----	30	Not rated		Not rated		Not rated	
Ar: Arveson-----	85	Very limited Frost action Depth to saturated zone Flooding	1.00 1.00 0.40	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BaD: Barnes-----	60	Somewhat limited Shrink-swell Frost action Slope	0.50 0.50 0.37	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope	0.37
Buse-----	25	Somewhat limited Slope Shrink-swell Frost action	0.96 0.50 0.50	Somewhat limited Slope Cutbanks cave	0.96 0.10	Somewhat limited Slope	0.96
BbC: Barnes-----	45	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Buse-----	25	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Svea-----	15	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.61 0.10	Not limited	
BcA: Barnes-----	55	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Cavour-----	25	Very limited Shrink-swell Frost action	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave Too clayey	0.47 0.10 0.03	Very limited Sodium content	1.00
BcB: Barnes-----	55	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Cavour-----	25	Very limited Shrink-swell Frost action	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave Too clayey	0.47 0.10 0.03	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
BdA: Barnes-----	50	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Tonka-----	15	Very limited Depth to saturated zone Frost action Shrink-swell Ponding	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00 1.00 0.10	Very limited Depth to saturated zone Ponding	1.00 1.00
BdB: Barnes-----	50	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Cresbard-----	25	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Depth to saturated zone Cutbanks cave Too clayey	0.47 0.10 0.03	Not limited	
Tonka-----	15	Very limited Depth to saturated zone Frost action Shrink-swell Ponding	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00 1.00 0.10	Very limited Depth to saturated zone Ponding	1.00 1.00
BeA: Barnes-----	45	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Ferney-----	20	Very limited Shrink-swell Frost action	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave Too clayey	0.47 0.10 0.03	Very limited Sodium content	1.00
Tonka-----	15	Very limited Depth to saturated zone Frost action Shrink-swell Ponding	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00 1.00 0.10	Very limited Depth to saturated zone Ponding	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
BfA: Barnes-----	50	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Hamerly-----	30	Very limited Frost action Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Not limited	
Tonka-----	15	Very limited Depth to saturated zone Frost action Shrink-swell Ponding	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00 1.00 0.10	Very limited Depth to saturated zone Ponding	1.00 1.00
BgC: Barnes-----	35	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Kranzburg-----	30	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Buse-----	20	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
BhA: Barnes-----	60	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Svea-----	25	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.61 0.10	Not limited	
BhB: Barnes-----	60	Somewhat limited Shrink-swell Frost action	0.50 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
Svea-----	25	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
BkA: Barnes-----	40	Somewhat limited Shrink-swell	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
		Frost action	0.50				
Svea-----	25	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
Tonka-----	15	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Ponding	1.00				
BkB: Barnes-----	40	Somewhat limited Shrink-swell	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
		Frost action	0.50				
Svea-----	25	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
Tonka-----	15	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Ponding	1.00				
BmB: Barnes-----	50	Somewhat limited Shrink-swell	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
		Frost action	0.50				
Tally-----	25	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
BnA: Barnes-----	50	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Urban Land-----	30	Not rated		Not rated		Not rated	
Bo: Bearden-----	85	Very limited Frost action Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Not limited	
Bp: Bearden-----	90	Very limited Frost action Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Very limited Salinity	1.00
BrB: Bearden-----	50	Very limited Frost action Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Not limited	
Huffton-----	40	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
BsB: Bearden-----	45	Very limited Frost action Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Very limited Salinity	1.00
Huffton-----	25	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Putney-----	15	Very limited Frost action	1.00	Very limited Cutbanks cave	1.00	Not limited	
Bt: Beotia-----	85	Very limited Frost action Shrink-swell	1.00 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
Bv: Beotia-----	50	Very limited Frost action Shrink-swell	1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	
Rondell-----	30	Very limited Frost action Shrink-swell	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.47	Not limited	
Bw: Beotia-----	45	Very limited Frost action Shrink-swell	1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	
Urban Land-----	35	Not rated		Not rated		Not rated	
Bx: Beotia-----	65	Very limited Frost action Shrink-swell	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.47	Not limited	
Winship-----	20	Very limited Frost action Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Not limited	
By: Borup-----	85	Very limited Frost action Depth to saturated zone Flooding	1.00 1.00 0.40	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone	1.00
Bz: Borup-----	85	Very limited Frost action Depth to saturated zone Flooding	1.00 1.00 0.40	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Salinity Depth to saturated zone	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
BzGA: Brantford Variant---	85	Somewhat limited Shrink-swell	0.50	Very limited Cutbanks cave	1.00	Not limited	
BzHB: Brantford Variant---	45	Somewhat limited Shrink-swell	0.50	Very limited Cutbanks cave	1.00	Not limited	
Vang-----	35	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
BzVE: Buse-----	45	Very limited Slope Shrink-swell Frost action	1.00 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Barnes-----	40	Very limited Slope Shrink-swell Frost action	1.00 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Ca: Camtown-----	50	Very limited Frost action Flooding Shrink-swell Depth to saturated zone	1.00 1.00 0.50 0.03	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.80 0.10	Very limited Flooding Sodium content Depth to saturated zone	1.00 1.00 0.03
Turton-----	30	Very limited Frost action Flooding Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.80 0.10	Very limited Flooding Sodium content	1.00 1.00
Cb: Camtown-----	50	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Very limited Sodium content	1.00
Turton-----	30	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 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
Cd: Cavour-----	60	Very limited Shrink-swell	1.00	Somewhat limited Depth to saturated zone	0.47	Very limited Sodium content	1.00
		Frost action	0.50	Cutbanks cave Too clayey	0.10 0.03		
Cresbard-----	25	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Frost action	0.50	Cutbanks cave Too clayey	0.10 0.03		
Cf: Cavour-----	50	Very limited Shrink-swell	1.00	Somewhat limited Depth to saturated zone	0.47	Very limited Sodium content	1.00
		Frost action	0.50	Cutbanks cave Too clayey	0.10 0.03		
Ferney-----	35	Very limited Shrink-swell	1.00	Somewhat limited Depth to saturated zone	0.47	Very limited Sodium content	1.00
		Frost action	0.50	Cutbanks cave Too clayey	0.10 0.03		
Cm: Colvin-----	85	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Salinity	1.00
Cn: Colvin-----	85	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
Cp: Colvin-----	85	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Ponding	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Flooding	0.40				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Cs: Colvin-----	85	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
Cv: Cresbard-----	50	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
				Too clayey	0.03		
Cavour-----	40	Very limited Shrink-swell	1.00	Somewhat limited Depth to saturated zone	0.47	Very limited Sodium content	1.00
		Frost action	0.50	Cutbanks cave	0.10		
				Too clayey	0.03		
DaA: Daglum-----	50	Very limited Shrink-swell	1.00	Somewhat limited Too clayey	0.28	Very limited Sodium content	1.00
		Frost action	0.50	Cutbanks cave	0.10		
Rhoades-----	35	Very limited Shrink-swell	1.00	Somewhat limited Cutbanks cave	0.10	Very limited Sodium content	1.00
				Too clayey	0.03		
Do: Dovray-----	90	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	1.00	Too clayey	0.50	Too clayey	1.00
		Frost action	0.50	Cutbanks cave	0.10		
Dv: Dovray Variant-----	90	Very limited Shrink-swell	1.00	Very limited Depth to saturated zone	1.00	Very limited Too clayey	1.00
		Frost action	0.50	Too clayey	0.50		
		Flooding	0.40	Cutbanks cave	0.10		

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
EcA: Eckman-----	85	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
EdB: Eckman-----	55	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
Gardena-----	30	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone Cutbanks cave	0.61 0.10	Not limited	
EeB: Eckman-----	65	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
Zell-----	25	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
EgB: Edgeley-----	50	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Depth to soft bedrock Cutbanks cave	0.42 0.10	Somewhat limited Depth to bedrock	0.42
Kloten-----	35	Somewhat limited Depth to soft bedrock Shrink-swell Frost action	1.00 0.50 0.50	Very limited Depth to soft bedrock Cutbanks cave	1.00 0.10	Very limited Depth to bedrock Droughty Content of large stones	1.00 0.97 0.01
EhA: Egeland-----	90	Not limited		Very limited Cutbanks cave	1.00	Not limited	
EkB: Egeland-----	50	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Embden-----	35	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.61 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
Em: Embden-----	90	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.61 0.10	Not limited	
Et: Embden-----	65	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.61 0.10	Not limited	
Tiffany-----	25	Very limited Depth to saturated zone Frost action Ponding	1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Ponding	1.00 1.00 1.00	Very limited Depth to saturated zone Ponding	1.00 1.00
Ex: Exline-----	40	Very limited Shrink-swell Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 1.00 0.12	Very limited Sodium content	1.00
Aberdeen-----	25	Very limited Shrink-swell Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 1.00 0.12	Not limited	
Nahon-----	25	Very limited Shrink-swell Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 1.00 0.12	Very limited Sodium content	1.00
EyA: Exline-----	45	Very limited Shrink-swell Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 1.00 0.12	Very limited Sodium content	1.00
Putney-----	35	Very limited Frost action	1.00	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
Fe: Ferney-----	55	Very limited Shrink-swell Frost action	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave Too clayey	1.00 0.10 0.03	Very limited Sodium content	1.00
Heil-----	30	Very limited Depth to saturated zone Shrink-swell Ponding Frost action	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave Ponding Too clayey	1.00 1.00 1.00 0.72	Very limited Depth to saturated zone Ponding	1.00 1.00
Fo: Fordville-----	85	Not limited		Very limited Cutbanks cave	1.00	Not limited	
FsA: Forman-----	45	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Aastad-----	40	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.90 0.10	Not limited	
FsB: Forman-----	60	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Aastad-----	25	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.90 0.10	Not limited	
FtC: Forman-----	50	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Buse-----	25	Somewhat limited Shrink-swell Frost action	0.50 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
Aastad-----	15	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone	0.90	Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
Fy: Fossum-----	90	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.07
		Flooding	0.40				
Ga: Gardena-----	85	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
				Cutbanks cave	0.10		
Gc: Gardena-----	60	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
				Cutbanks cave	0.10		
Glyndon-----	30	Very limited Frost action	1.00	Very limited Cutbanks cave	1.00	Somewhat limited Depth to saturated zone	0.03
		Depth to saturated zone	0.03	Depth to saturated zone	1.00		
Gh: Gardena-----	50	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
				Cutbanks cave	0.10		
Turton-----	30	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.47	Very limited Sodium content	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10		
Gm: Glyndon-----	85	Very limited Frost action	1.00	Very limited Cutbanks cave	1.00	Somewhat limited Depth to saturated zone	0.03
		Depth to saturated zone	0.03	Depth to saturated zone	1.00		

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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
Gn: Glyndon-----	85	Very limited Frost action Depth to saturated zone	1.00 0.03	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone	0.03
GrA: Great Bend-----	90	Very limited Frost action	1.00	Very limited Cutbanks cave	1.00	Not limited	
GsB: Great Bend-----	50	Very limited Frost action	1.00	Very limited Cutbanks cave	1.00	Not limited	
Beotia-----	45	Very limited Frost action Shrink-swell	1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	
GtA: Great Bend-----	50	Very limited Frost action	1.00	Very limited Cutbanks cave	1.00	Not limited	
Putney-----	30	Very limited Frost action	1.00	Very limited Cutbanks cave	1.00	Not limited	
GyB: Great Bend-----	65	Very limited Frost action	1.00	Very limited Cutbanks cave	1.00	Not limited	
Zell-----	25	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
GyC: Great Bend-----	65	Very limited Frost action	1.00	Very limited Cutbanks cave	1.00	Not limited	
Zell-----	25	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
GzC: Great Bend-----	40	Very limited Frost action	1.00	Very limited Cutbanks cave	1.00	Not limited	
Zell-----	30	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	

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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
Huffton-----	20	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Ha: Hamar-----	85	Very limited Depth to saturated zone Frost action	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone Droughty	1.00 0.15
Hc: Hamerly-----	85	Very limited Frost action Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Not limited	
Hd: Hamerly-----	85	Very limited Frost action Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Not limited	
Hf: Hamerly-----	50	Very limited Frost action Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Not limited	
Tonka-----	35	Very limited Depth to saturated zone Frost action Shrink-swell Ponding	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00 1.00 0.10	Very limited Depth to saturated zone Ponding	1.00 1.00
Hh: Hamerly-----	45	Very limited Frost action Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Not limited	
Vallars-----	40	Very limited Frost action Depth to saturated zone Flooding	1.00 1.00 0.40	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Very limited Depth to saturated zone	1.00

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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
Hm: Harmony Variant-----	85	Very limited Shrink-swell Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 0.61 0.03	Somewhat limited Salinity	0.50
Hn: Harmony-----	55	Very limited Shrink-swell Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 0.47 0.03	Not limited	
Aberdeen-----	30	Very limited Shrink-swell Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 0.47 0.12	Not limited	
Hp: Harmony-----	55	Very limited Shrink-swell Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 0.47 0.03	Not limited	
Beotia-----	30	Very limited Frost action Shrink-swell	1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	
Hr: Harriet-----	90	Very limited Depth to saturated zone Frost action Flooding Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding Cutbanks cave Too clayey	1.00 0.60 0.10 0.03	Very limited Sodium content Depth to saturated zone Flooding	1.00 1.00 0.60
HtB: Hecla-----	50	Somewhat limited Frost action	0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.61	Somewhat limited Droughty	0.08

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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
Hamar-----	35	Very limited Depth to saturated zone Frost action	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone Droughty	1.00 0.15
Hx: Heil-----	95	Very limited Depth to saturated zone Shrink-swell Ponding Frost action	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave Ponding Too clayey	1.00 1.00 1.00 0.72	Very limited Depth to saturated zone Ponding	1.00 1.00
Ka: Koto-----	85	Very limited Flooding Depth to saturated zone Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.60 0.10	Very limited Sodium content Depth to saturated zone Flooding	1.00 1.00 0.60
Kh: Koto-----	60	Very limited Flooding Depth to saturated zone Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.60 0.10	Very limited Sodium content Depth to saturated zone Flooding	1.00 1.00 0.60
Harriet-----	25	Very limited Depth to saturated zone Frost action Flooding Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding Cutbanks cave Too clayey	1.00 0.60 0.10 0.03	Very limited Sodium content Depth to saturated zone Flooding	1.00 1.00 0.60
KkA: Kranzburg-----	45	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Brookings-----	40	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.61 0.10	Not limited	

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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
KrB: Kranzburg-----	45	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Brookings-----	25	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.61 0.10	Not limited	
Buse-----	15	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Kt: Kratka-----	85	Very limited Depth to saturated zone Frost action	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone	1.00
La: Ladelle-----	90	Very limited Frost action Shrink-swell Flooding	1.00 0.50 0.40	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
Lc: Ladelle-----	90	Very limited Frost action Flooding Shrink-swell	1.00 1.00 0.50	Somewhat limited Flooding Depth to saturated zone Cutbanks cave	0.60 0.47 0.10	Somewhat limited Flooding	0.60
Le: Lamoure-----	85	Very limited Frost action Flooding Shrink-swell Depth to saturated zone	1.00 1.00 0.50 0.03	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 1.00 0.60	Somewhat limited Flooding Depth to saturated zone	0.60 0.03

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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
Lg: La Prairie-----	85	Very limited Flooding Shrink-swell	1.00 0.50	Somewhat limited Flooding Depth to saturated zone	0.60 0.47	Somewhat limited Flooding	0.60
		Frost action	0.50	Cutbanks cave	0.10		
Lh: La Prairie-----	50	Very limited Flooding Shrink-swell	1.00 0.50	Somewhat limited Flooding Depth to saturated zone	0.60 0.47	Somewhat limited Flooding	0.60
		Frost action	0.50	Cutbanks cave	0.10		
Harriet-----	30	Very limited Depth to saturated zone Frost action	1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Sodium content Depth to saturated zone Flooding	1.00 1.00 0.60
		Flooding Shrink-swell	1.00 0.50	Cutbanks cave Too clayey	0.10 0.03		
Lm: Letcher-----	35	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
Miranda-----	20	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Very limited Sodium content	1.00
Lu: Ludden-----	85	Very limited Depth to saturated zone Frost action	1.00 1.00	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Flooding Depth to saturated zone Too clayey Ponding	1.00 1.00 1.00 1.00
		Flooding Shrink-swell Ponding	1.00 1.00 1.00	Ponding Flooding Too clayey	1.00 0.80 0.50		

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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
Lw: Ludden-----	90	Very limited Depth to saturated zone Frost action Flooding Shrink-swell Ponding	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Ponding Flooding Too clayey	1.00 1.00 1.00 0.80 0.50	Very limited Flooding Depth to saturated zone Too clayey Ponding	1.00 1.00 1.00 1.00
Lx: Ludden-----	45	Very limited Depth to saturated zone Frost action Flooding Shrink-swell Ponding	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Ponding Flooding Too clayey	1.00 1.00 1.00 0.80 0.50	Very limited Flooding Depth to saturated zone Too clayey Ponding	1.00 1.00 1.00 1.00
Ludden-----	40	Very limited Frost action Flooding Shrink-swell Depth to saturated zone	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Flooding Too clayey	1.00 1.00 0.80 0.50	Very limited Flooding Depth to saturated zone Too clayey	1.00 1.00 1.00
Lz: Ludden-----	50	Very limited Depth to saturated zone Frost action Flooding Shrink-swell Ponding	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Ponding Flooding Too clayey	1.00 1.00 1.00 0.80 0.50	Very limited Flooding Depth to saturated zone Too clayey Ponding	1.00 1.00 1.00 1.00
Water (less Than 40 Acres)-----	40	Not rated		Not rated		Not rated	
M-W: Miscellaneous Water-	100	Not rated		Not rated		Not rated	

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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
MaB: Maddock-----	35	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.05
Hecla-----	30	Somewhat limited Frost action	0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.61	Somewhat limited Droughty	0.08
Hamar-----	20	Very limited Depth to saturated zone Frost action	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone Droughty	1.00 0.15
Na: Nahon-----	50	Very limited Shrink-swell Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 0.47 0.12	Very limited Sodium content	1.00
Aberdeen-----	20	Very limited Shrink-swell Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 0.47 0.12	Not limited	
Exline-----	15	Very limited Shrink-swell Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 1.00 0.12	Very limited Sodium content	1.00
Nc: Nahon-----	50	Very limited Shrink-swell Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 0.47 0.12	Very limited Sodium content	1.00
Aberdeen-----	20	Very limited Shrink-swell Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 0.47 0.12	Not limited	

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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
Exline-----	15	Very limited Shrink-swell Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 1.00 0.12	Very limited Sodium content	1.00
NeA: Niobell-----	40	Very limited Shrink-swell Frost action	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
Noonan-----	30	Very limited Shrink-swell Frost action	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
Williams-----	20	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Ng: Nishon-----	90	Very limited Depth to saturated zone Shrink-swell Ponding Frost action	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Ponding Too clayey Cutbanks cave	1.00 1.00 0.50 0.10	Very limited Depth to saturated zone Ponding	1.00 1.00
Nh: Nishon-----	50	Very limited Depth to saturated zone Shrink-swell Ponding Frost action	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Ponding Too clayey Cutbanks cave	1.00 1.00 0.50 0.10	Very limited Depth to saturated zone Ponding	1.00 1.00
Heil-----	40	Very limited Depth to saturated zone Shrink-swell Ponding Frost action	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave Ponding Too clayey	1.00 1.00 1.00 0.72	Very limited Depth to saturated zone Ponding	1.00 1.00

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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
No: Noonan-----	35	Very limited Shrink-swell	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
Niobell-----	30	Very limited Shrink-swell	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
Miranda-----	20	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone	0.47	Very limited Sodium content	1.00
		Frost action	0.50	Cutbanks cave	0.10		
Og: Orthents, Loamy----	100	Somewhat limited Shrink-swell	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
		Frost action	0.50				
Ot: Orthents, Loamy----	100	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Pa: Parnell-----	90	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Too clayey	0.28		
		Shrink-swell	1.00	Cutbanks cave	0.10		
Pc: Parnell-----	90	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Too clayey	0.28		
		Shrink-swell	1.00	Cutbanks cave	0.10		

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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
PeA: Peever-----	85	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.15	Somewhat limited Droughty	0.73
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Frost action	0.50	Too clayey	0.03		
PfB: Peever-----	60	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.15	Somewhat limited Droughty	0.73
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Frost action	0.50	Too clayey	0.03		
Buse-----	25	Somewhat limited Shrink-swell	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
		Frost action	0.50				
Pg: Orthents, Gravelly--	95	Very limited Slope	1.00	Very limited Cutbanks cave	1.00	Very limited Slope	1.00
				Slope	1.00	Droughty	0.42
						Gravel content	0.25
Pm: Playmoor-----	85	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	0.80	Salinity	1.00
		Shrink-swell	0.50				
Pr: Playmoor-----	50	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	0.80	Salinity	1.00
		Shrink-swell	0.50				

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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
Lamoure-----	35	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	0.80		
		Shrink-swell	0.50				
Ra: Ranslo-----	85	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Sodium content	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Shrink-swell	1.00	Cutbanks cave	0.10	Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Too clayey	0.03		
Rc: Ranslo-----	45	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Sodium content	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Shrink-swell	1.00	Cutbanks cave	0.10	Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Too clayey	0.03		
Harriet-----	40	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Sodium content	1.00
		Frost action	1.00	Flooding	0.60	Depth to saturated zone	1.00
		Flooding	1.00	Cutbanks cave	0.10	Flooding	0.60
		Shrink-swell	0.50	Too clayey	0.03		
RfA: Renshaw-----	60	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.04
Fordville-----	25	Not limited		Very limited Cutbanks cave	1.00	Not limited	
RfB: Renshaw-----	60	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.04

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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
Fordville-----	25	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Ry: Ryan-----	55	Very limited Depth to saturated zone Flooding Shrink-swell Ponding Frost action	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave Ponding Too clayey Flooding	1.00 1.00 1.00 0.72 0.60	Very limited Depth to saturated zone Ponding Flooding	1.00 1.00 0.60
Ludden-----	30	Very limited Depth to saturated zone Frost action Flooding Shrink-swell Ponding	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Ponding Flooding Too clayey	1.00 1.00 1.00 1.00 0.80 0.50	Very limited Flooding Depth to saturated zone Too clayey Ponding	1.00 1.00 1.00 1.00
SaD: Serden-----	85	Somewhat limited Slope	0.37	Very limited Cutbanks cave Slope	1.00 0.37	Somewhat limited Droughty Slope	0.84 0.37
ScB: Serden-----	50	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.80
Hamar-----	15	Very limited Depth to saturated zone Frost action	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone Droughty	1.00 0.15
Venlo-----	15	Very limited Depth to saturated zone Frost action	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone Droughty	1.00 0.06
Sd: Slickspots, Loamy---	100	Not rated		Not rated		Not rated	

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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
Sf: Spottswood-----	60	Somewhat limited Shrink-swell Frost action	0.50 0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.61	Not limited	
Divide-----	30	Somewhat limited Frost action	0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Not limited	
Sh: Stirum-----	85	Very limited Ponding	1.00	Very limited Depth to saturated zone	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Frost action	0.50	Ponding	1.00	Salinity	0.13
Sn: Stirum-----	45	Very limited Ponding	1.00	Very limited Depth to saturated zone	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Frost action	0.50	Ponding	1.00	Salinity	0.13
Stirum Variant-----	40	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Sodium content	1.00
		Ponding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Frost action	0.50	Ponding	1.00	Ponding	1.00
						Salinity	0.13
SoA: Swenoda-----	85	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone	0.90	Not limited	
				Cutbanks cave	0.10		
StB: Swenoda-----	50	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone	0.90	Not limited	
				Cutbanks cave	0.10		

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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
Embden-----	35	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.61 0.10	Not limited	
SvA: Swenoda-----	65	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.90 0.10	Not limited	
Tiffany Variant-----	25	Very limited Depth to saturated zone Frost action Ponding	1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00 1.00 0.10	Very limited Depth to saturated zone Ponding	1.00 1.00
SwA: Swenoda-----	45	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.90 0.10	Not limited	
Turton-----	35	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Very limited Sodium content	1.00
SxA: Swenoda-----	50	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.90 0.10	Not limited	
Turton Variant-----	30	Somewhat limited Shrink-swell Frost action Depth to saturated zone	0.50 0.50 0.19	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Very limited Sodium content Depth to saturated zone	1.00 0.19
TaB: Tally-----	85	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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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
TeB: Tally-----	55	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Letcher-----	30	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
Tk: Tonka-----	90	Very limited Depth to saturated zone Frost action Shrink-swell Ponding	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00 1.00 0.10	Very limited Depth to saturated zone Ponding	1.00 1.00
Th: Tonka-----	50	Very limited Depth to saturated zone Frost action Shrink-swell Ponding	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00 1.00 0.10	Very limited Depth to saturated zone Ponding	1.00 1.00
Nishon-----	40	Very limited Depth to saturated zone Shrink-swell Ponding Frost action	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Ponding Too clayey Cutbanks cave	1.00 1.00 0.50 0.10	Very limited Depth to saturated zone Ponding	1.00 1.00
Tr: Towner-----	50	Somewhat limited Frost action	0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.61	Not limited	
Hecla-----	35	Somewhat limited Frost action	0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.61	Somewhat limited Droughty	0.08
Tv: Turton-----	55	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Very limited Sodium content	1.00

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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
Turton Variant-----	30	Somewhat limited Shrink-swell	0.50	Very limited Depth to saturated zone	1.00	Very limited Sodium content	1.00
		Frost action	0.50	Cutbanks cave	0.10	Depth to saturated zone	0.19
		Depth to saturated zone	0.19				
Un: Ulen-----	85	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Somewhat limited Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Depth to saturated zone	1.00		
Us: Ulen-----	60	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Somewhat limited Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Depth to saturated zone	1.00		
Stirum-----	25	Very limited Ponding	1.00	Very limited Depth to saturated zone	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Frost action	0.50	Ponding	1.00	Salinity	0.13
Va: Vallars-----	85	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Cutbanks cave	0.10		
		Flooding	0.40				
Vs: Vallars-----	85	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Salinity	1.00
		Depth to saturated zone	1.00	Cutbanks cave	0.10	Depth to saturated zone	1.00
		Flooding	0.40				

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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
VzC: Vida-----	55	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope Content of large stones	0.37 0.01
Zahl-----	25	Somewhat limited Slope Shrink-swell Frost action	0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
VzE: Vida-----	55	Very limited Slope Shrink-swell Frost action	1.00 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones	1.00 0.01
Zahl-----	25	Very limited Slope Shrink-swell Frost action	1.00 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
W: Water-----	100	Not rated		Not rated		Not rated	
WaB: Williams-----	85	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
WbA: Williams-----	60	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Bowbells-----	25	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
WbB: Williams-----	60	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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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
Bowbells-----	25	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
WdA: Williams-----	50	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Bowbells-----	20	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
Tonka-----	15	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Ponding	1.00				
WdB: Williams-----	50	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Bowbells-----	20	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
Tonka-----	15	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Ponding	1.00				
WfA: Williams-----	55	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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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
Cavour-----	25	Very limited Shrink-swell	1.00	Somewhat limited Depth to saturated zone	0.47	Very limited Sodium content	1.00
		Frost action	0.50	Cutbanks cave	0.10		
				Too clayey	0.03		
WfB: Williams-----	55	Somewhat limited Shrink-swell	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
		Frost action	0.50				
Cavour-----	25	Very limited Shrink-swell	1.00	Somewhat limited Depth to saturated zone	0.47	Very limited Sodium content	1.00
		Frost action	0.50	Cutbanks cave	0.10		
				Too clayey	0.03		
WhA: Williams-----	50	Somewhat limited Shrink-swell	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
		Frost action	0.50				
Cresbard-----	20	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
				Too clayey	0.03		
Tonka-----	15	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Ponding	1.00				
WhB: Williams-----	50	Somewhat limited Shrink-swell	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
		Frost action	0.50				
Cresbard-----	20	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
				Too clayey	0.03		

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Tonka-----	15	Very limited Depth to saturated zone Frost action Shrink-swell Ponding	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00 1.00 0.10	Very limited Depth to saturated zone Ponding	1.00 1.00
WnB: Williams-----	55	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Niobell-----	30	Very limited Shrink-swell Frost action	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
WrD: Williams-----	50	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Vida-----	35	Somewhat limited Slope Shrink-swell Frost action	0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope Content of large stones	0.63 0.01
WsC: Williams-----	40	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Zahl-----	25	Somewhat limited Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Bowbells-----	20	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
Wt: Winship-----	60	Very limited Frost action Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Not limited	

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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
Tonka-----	25	Very limited Depth to saturated zone Frost action Shrink-swell Ponding	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00 1.00 0.10	Very limited Depth to saturated zone Ponding	1.00 1.00
Wy: Wyndmere-----	90	Very limited Frost action	1.00	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Not limited	
Wz: Wyndmere-----	50	Very limited Frost action	1.00	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Not limited	
Stirum-----	35	Very limited Ponding Depth to saturated zone Frost action	1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave Ponding	1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Salinity	1.00 1.00 0.13
ZaD: Zahl-----	45	Somewhat limited Shrink-swell Frost action Slope	0.50 0.50 0.04	Somewhat limited Cutbanks cave Slope	0.10 0.04	Somewhat limited Slope	0.04
Embden-----	25	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.61 0.10	Not limited	
Wabek Variant-----	15	Somewhat limited Slope	0.63	Very limited Cutbanks cave Slope	1.00 0.63	Somewhat limited Slope	0.63
ZdE: Zahl-----	40	Very limited Slope Shrink-swell Frost action	1.00 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited 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
Kloten-----	25	Very limited Depth to soft bedrock Slope Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty Content of large stones	1.00 1.00 0.97 0.01
Edgeley-----	20	Very limited Slope Shrink-swell Frost action	1.00 0.50 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
ZeA: Zell-----	85	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
ZgD: Zell-----	55	Very limited Frost action Slope	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Great Bend-----	35	Very limited Frost action	1.00	Very limited Cutbanks cave	1.00	Not limited	