

Section II
Soil and Site Information

Construction Materials Table 2
Spink County, South Dakota

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Aa: Aastad-----	85	Fair Low content of organic matter Too clayey Carbonate content Water erosion	0.12 0.95 0.97 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Too Clayey	0.95
Ab: Aastad-----	50	Fair Low content of organic matter Too clayey Carbonate content Water erosion	0.12 0.95 0.97 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Too Clayey	0.95
Hamerly-----	35	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Fair Low strength Shrink-swell Depth to saturated zone	0.22 0.87 0.91	Fair Carbonate content Depth to saturated zone	0.68 0.91
Ad: Aastad-----	60	Fair Low content of organic matter Too clayey Carbonate content Water erosion	0.12 0.95 0.97 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Too Clayey	0.95
Tonka-----	30	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.90	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.61	Poor Depth to saturated zone Too Clayey	0.00 0.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ae: Aberdeen-----	55	Poor Too clayey Low content of organic matter Water erosion Sodium content	0.00 0.12 0.90 0.97	Poor Low strength Shrink-swell	0.00 0.49	Poor Too Clayey Sodium content Salinity	0.00 0.22 0.88
Nahon-----	35	Poor Droughty Salinity Sodium content Water erosion	0.00 0.88 0.97 0.99	Poor Low strength Shrink-swell	0.00 0.12	Fair Sodium content	0.22
Ah: Aberdeen-----	55	Poor Too clayey Low content of organic matter Water erosion Sodium content	0.00 0.50 0.90 0.97	Poor Low strength Shrink-swell	0.00 0.81	Poor Too Clayey Sodium content Salinity	0.00 0.22 0.88
Nahon-----	35	Poor Droughty Salinity Water erosion Sodium content	0.00 0.88 0.90 0.97	Poor Low strength Shrink-swell	0.00 0.12	Fair Sodium content	0.98
An: Aberdeen-----	45	Poor Too clayey Low content of organic matter Water erosion Sodium content	0.00 0.50 0.90 0.97	Poor Low strength Shrink-swell	0.00 0.81	Poor Too Clayey Sodium content Salinity	0.00 0.22 0.88
Nahon-----	25	Poor Droughty Salinity Water erosion Sodium content	0.00 0.88 0.90 0.97	Poor Low strength Shrink-swell	0.00 0.12	Fair Sodium content	0.98

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Heil-----	20	Poor Droughty	0.00	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
		Sodium content	0.00	Low strength	0.00	Sodium content	0.00
		Salinity	0.88	Shrink-swell	0.12		
		Water erosion	0.99				
Ao: Aberdeen-----	45	Poor Too clayey	0.00	Poor Low strength	0.00	Poor Too Clayey	0.00
		Low content of organic matter	0.12	Shrink-swell	0.49	Sodium content	0.22
		Water erosion	0.90			Salinity	0.88
		Sodium content	0.97				
Nahon-----	25	Poor Droughty	0.00	Poor Low strength	0.00	Fair Sodium content	0.22
		Salinity	0.88	Shrink-swell	0.12		
		Sodium content	0.97				
		Water erosion	0.99				
Heil-----	20	Poor Droughty	0.00	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
		Sodium content	0.00	Low strength	0.00	Sodium content	0.00
		Salinity	0.88	Shrink-swell	0.12		
		Water erosion	0.99				
At: Aquents, Loamy-----	90	Fair Low content of organic matter	0.12	Not Rated Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
				Shrink-swell	0.87		
BaC: Beadle-----	80	Poor Too clayey	0.00	Poor Low strength	0.00	Poor Too Clayey	0.00
		Low content of organic matter	0.50	Shrink-swell	0.12		
		Water erosion	0.99				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BdA: Beadle-----	50	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.99	Poor Low strength Shrink-swell	0.00 0.12	Poor Too Clayey	0.00
Dudley-----	35	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.50 0.99	Poor Low strength Shrink-swell	0.00 0.12	Fair Sodium content	0.78
BeA: Beadle-----	60	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.99	Poor Low strength Shrink-swell	0.00 0.12	Poor Too Clayey	0.00
Stickney-----	30	Fair Sodium content Low content of organic matter Salinity Water erosion	0.22 0.50 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.72	Poor Salinity Sodium content	0.00 0.22
BeB: Beadle-----	60	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.99	Poor Low strength Shrink-swell	0.00 0.12	Poor Too Clayey	0.00
Stickney-----	30	Fair Sodium content Low content of organic matter Salinity Water erosion	0.22 0.50 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.72	Poor Salinity Sodium content	0.00 0.22

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BfA: Beadle-----	60	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.99	Poor Low strength Shrink-swell	0.00 0.12	Poor Too Clayey Rock fragments	0.00 0.95
Stickney-----	30	Fair Sodium content Low content of organic matter Salinity Water erosion	0.22 0.50 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.72	Poor Salinity Sodium content	0.00 0.22
BfB: Beadle-----	60	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.99	Poor Low strength Shrink-swell	0.00 0.12	Poor Too Clayey	0.00
Stickney-----	30	Fair Sodium content Low content of organic matter Salinity Water erosion	0.22 0.50 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.72	Poor Salinity Sodium content	0.00 0.22
Bg: Bearden-----	85	Fair Carbonate content Low content of organic matter Water erosion Sodium content	0.46 0.50 0.90 0.97	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.87 0.91	Fair Depth to saturated zone Sodium content	0.91 0.98

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Bk: Bearden-----	60	Fair Carbonate content	0.46	Poor Low strength	0.00	Fair Depth to saturated zone	0.91
		Low content of organic matter	0.50	Shrink-swell	0.87	Sodium content	0.98
		Water erosion	0.90	Depth to saturated zone	0.91		
		Sodium content	0.97				
Tonka-----	30	Poor Too clayey	0.00	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
		Low content of organic matter	0.50	Low strength	0.00	Too Clayey	0.00
		Water erosion	0.90	Shrink-swell	0.61		
Bo: Beotia-----	90	Fair Low content of organic matter	0.12	Poor Low strength	0.00	Fair Carbonate content	0.92
		Water erosion	0.90	Shrink-swell	0.87		
		Carbonate content	0.92				
Br: Beotia-----	50	Fair Low content of organic matter	0.12	Poor Low strength	0.00	Fair Carbonate content	0.92
		Water erosion	0.90	Shrink-swell	0.87		
		Carbonate content	0.92				
Rondell-----	35	Fair Low content of organic matter	0.12	Poor Low strength	0.00	Fair Carbonate content	0.32
		Carbonate content	0.32			Salinity	0.88
		Water erosion	0.90				
Bs: Beotia-----	60	Fair Low content of organic matter	0.12	Poor Low strength	0.00	Fair Carbonate content	0.92
		Water erosion	0.90	Shrink-swell	0.87		
		Carbonate content	0.92				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Winship-----	30	Fair Water erosion	0.99	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.91 0.98	Fair Depth to saturated zone	0.91
Bt: Beotia-----	60	Fair Carbonate content Water erosion	0.92 0.99	Poor Low strength Shrink-swell	0.00 0.89	Good	
Winship-----	30	Fair Water erosion	0.99	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.91 0.94	Fair Depth to saturated zone	0.91
Bu: Bon-----	90	Good		Fair Low strength	0.22	Good	
Bw: Bon-----	85	Good		Fair Low strength	0.22	Good	
BxD: Buse-----	55	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.46 0.99	Fair Low strength Shrink-swell	0.22 0.87	Poor Slope Carbonate content	0.00 0.46
Barnes-----	35	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.92 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Slope Carbonate content	0.37 0.92

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
ByE: Buse-----	50	Poor Stone content Low content of organic matter Carbonate content	0.00 0.12 0.80	Poor Slope Stone content Low strength Shrink-swell Cobble content	0.00 0.00 0.78 0.87 0.94	Poor Slope Hard to reclaim Rock fragments Carbonate content	0.00 0.50 0.50 0.80
Barnes-----	35	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.92 0.99	Fair Low strength Slope	0.22 0.92	Poor Slope Carbonate content Hard to reclaim Rock fragments	0.00 0.92 0.95 0.95
BzE: Buse-----	50	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.46 0.99	Poor Slope Low strength Shrink-swell	0.00 0.22 0.87	Poor Slope Carbonate content	0.00 0.46
Langhei-----	40	Fair Low content of organic matter Carbonate content	0.12 0.46	Poor Low strength Slope	0.00 0.00	Poor Slope Carbonate content	0.00 0.80
Ca: Camtown-----	55	Poor Sodium content Low content of organic matter Water erosion	0.00 0.12 0.99	Fair Shrink-swell	0.99	Poor Sodium content Salinity	0.00 0.50
Turton-----	30	Poor Droughty Sodium content Too alkaline Salinity Water erosion Carbonate content	0.00 0.00 0.00 0.88 0.90 0.92	Fair Low strength Shrink-swell	0.22 0.87	Fair Sodium content	0.22

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Cf: Cavour-----	55	Poor Droughty Salinity Sodium content Carbonate content Water erosion	0.00 0.50 0.90 0.99 0.99	Poor Low strength Shrink-swell	0.00 0.12	Poor Sodium content	0.00
Ferney-----	35	Poor Droughty Sodium content Salinity Carbonate content	0.00 0.00 0.88 0.97	Poor Low strength Shrink-swell	0.00 0.12	Poor Sodium content	0.00
Co: Colvin-----	85	Fair Carbonate content Salinity Sodium content Water erosion	0.68 0.88 0.97 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.87	Poor Depth to saturated zone Salinity Carbonate content Sodium content	0.00 0.00 0.68 0.98
Cr: Cresbard-----	60	Poor Too clayey Low content of organic matter Sodium content Water erosion	0.00 0.12 0.90 0.99	Poor Low strength Shrink-swell	0.00 0.45	Poor Too Clayey Sodium content	0.00 0.22
Cavour-----	30	Poor Droughty Salinity Sodium content Carbonate content Water erosion	0.00 0.50 0.90 0.99 0.99	Poor Low strength Shrink-swell	0.00 0.12	Poor Sodium content	0.00
Cs: Cresbard-----	40	Poor Too clayey Low content of organic matter Sodium content Water erosion	0.00 0.12 0.90 0.99	Poor Low strength Shrink-swell	0.00 0.45	Poor Too Clayey Sodium content	0.00 0.22

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Cavour-----	30	Poor Droughty Salinity Sodium content Carbonate content Water erosion	0.00 0.50 0.90 0.99 0.99	Poor Low strength Shrink-swell	0.00 0.12	Poor Sodium content	0.00
Heil-----	20	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.12	Poor Depth to saturated zone Sodium content	0.00 0.00
Ct: Crossplain-----	60	Fair Low content of organic matter Water erosion	0.88 0.99	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.00 0.68	Poor Depth to saturated zone	0.00
Tetonka-----	30	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.16	Poor Depth to saturated zone Too Clayey	0.00 0.00
Da: Davis-----	55	Good		Poor Low strength	0.00	Good	
Northville-----	35	Fair Sodium content Too clayey Salinity Water erosion	0.22 0.50 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.72	Poor Salinity Sodium content Too Clayey	0.00 0.22 0.41

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Db: Davison-----	85	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.80 0.99	Fair Shrink-swell Depth to saturated zone	0.93 0.98	Fair Carbonate content Depth to saturated zone	0.80 0.98
Dd: Davison-----	50	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.80 0.99	Fair Shrink-swell Depth to saturated zone	0.93 0.98	Fair Carbonate content Depth to saturated zone	0.80 0.98
Tetonka-----	40	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.16	Poor Depth to saturated zone Too Clayey	0.00 0.00
DeA: Delmont-----	55	Poor Droughty	0.00	Good		Fair Rock fragments	0.88
Enet-----	35	Fair Droughty Low content of organic matter	0.86 0.88	Good		Good	
Dk: Dimo-----	85	Fair Droughty	0.97	Poor Low strength Shrink-swell	0.00 0.87	Good	
Dm: Dimo-----	55	Fair Droughty	0.97	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.76 0.87	Fair Depth to saturated zone	0.76

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Grat-----	30	Poor Too clayey Droughty Carbonate content	0.00 0.71 0.88	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.00 0.33	Poor Too Clayey Depth to saturated zone Carbonate content	0.00 0.00 0.88
DOA: Doland-----	50	Fair Low content of organic matter	0.12	Poor Low strength Shrink-swell	0.00 0.99	Good	
Embden-----	30	Fair Low content of organic matter	0.50	Good		Good	
Dq: Dovecreek-----	90	Fair Low content of organic matter	0.12	Poor Low strength Shrink-swell	0.00 0.93	Good	
Dr: Dovray-----	90	Poor Too clayey Water erosion	0.00 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.00 0.12	Poor Too Clayey Depth to saturated zone	0.00 0.00
Du: Dudley-----	55	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.50 0.99	Poor Low strength Shrink-swell	0.00 0.12	Fair Sodium content	0.78
Jerauld-----	35	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.99	Fair Shrink-swell Low strength	0.12 0.22	Poor Sodium content	0.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Dx: Durrstein-----	85	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.99	Poor Depth to saturated zone Shrink-swell	0.00 0.12	Poor Sodium content Depth to saturated zone Salinity	0.00 0.00 0.00
Ea: Eckman-----	85	Fair Water erosion	0.90	Good		Good	
EcA: Eckman-----	50	Fair Water erosion	0.90	Good		Good	
Gardena-----	40	Fair Water erosion	0.90	Good		Good	
EcB: Eckman-----	60	Fair Water erosion	0.90	Good		Good	
Gardena-----	30	Fair Water erosion	0.90	Good		Good	
EgB: Eckman-----	60	Fair Water erosion	0.90	Good		Good	
Zell-----	30	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.80 0.90	Good		Fair Carbonate content	0.80
EeB: Edgeley-----	85	Fair Droughty Depth to bedrock Water erosion	0.50 0.58 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.99	Fair Depth to bedrock Rock fragments	0.58 0.97

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
EeC: Edgeley-----	85	Fair Droughty Depth to bedrock Water erosion	0.50 0.58 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.99	Fair Depth to bedrock Rock fragments	0.58 0.97
EeD: Edgeley-----	85	Fair Droughty Depth to bedrock Water erosion	0.50 0.58 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.99	Poor Slope Depth to bedrock Rock fragments	0.00 0.58 0.97
EgA: Egeland-----	50	Fair Low content of organic matter	0.12	Good		Good	
Embdn-----	40	Fair Low content of organic matter	0.50	Good		Good	
EgB: Egeland-----	50	Fair Low content of organic matter	0.12	Good		Good	
Embdn-----	35	Fair Low content of organic matter	0.50	Good		Good	
Ek: Elsmere-----	85	Poor Wind erosion Too sandy Low content of organic matter	0.00 0.14 0.88	Fair Low strength Depth to saturated zone	0.22 0.76	Fair Too sandy Depth to saturated zone	0.14 0.76
EmE: Ethan-----	50	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Poor Slope Low strength Shrink-swell	0.00 0.00 0.87	Poor Slope Carbonate content	0.00 0.97

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Betts-----	40	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.92 0.99	Poor Slope Low strength Shrink-swell	0.00 0.00 0.87	Poor Slope Carbonate content	0.00 0.92
EnD: Ethan-----	55	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Poor Low strength Shrink-swell	0.00 0.87	Poor Slope Carbonate content	0.00 0.97
Hand-----	35	Fair Low content of organic matter	0.12	Fair Shrink-swell	0.94	Fair Slope	0.37
Er: Exline-----	50	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.90	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.12 0.91	Poor Sodium content Depth to saturated zone	0.00 0.91
Aberdeen-----	25	Poor Too clayey Low content of organic matter Water erosion Sodium content	0.00 0.50 0.90 0.97	Poor Low strength Shrink-swell	0.00 0.81	Poor Too Clayey Sodium content Salinity	0.00 0.22 0.88
Nahon-----	20	Poor Droughty Salinity Water erosion Sodium content	0.00 0.88 0.90 0.97	Poor Low strength Shrink-swell	0.00 0.12	Fair Sodium content	0.98

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Et: Exline-----	50	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.90	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.12 0.91	Poor Sodium content Depth to saturated zone	0.00 0.91
Aberdeen-----	25	Poor Too clayey Low content of organic matter Water erosion Sodium content	0.00 0.12 0.90 0.97	Poor Low strength Shrink-swell	0.00 0.49	Poor Too Clayey Sodium content Salinity	0.00 0.22 0.88
Nahon-----	20	Poor Droughty Salinity Sodium content Water erosion	0.00 0.88 0.97 0.99	Poor Low strength Shrink-swell	0.00 0.12	Fair Sodium content	0.22
Ew: Exline-----	50	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.90	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.12 0.91	Poor Sodium content Depth to saturated zone	0.00 0.91
Heil-----	40	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.12	Poor Depth to saturated zone Sodium content	0.00 0.00

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ex: Exline-----	50	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.90	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.12 0.91	Poor Sodium content Depth to saturated zone	0.00 0.91
Heil-----	40	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.12	Poor Depth to saturated zone Sodium content	0.00 0.00
EyA: Exline-----	45	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.90	Poor Low strength Shrink-swell	0.00 0.12	Poor Sodium content	0.00
Putney-----	40	Fair Too clayey Salinity Carbonate content Water erosion	0.50 0.50 0.68 0.90	Poor Low strength Shrink-swell	0.00 0.99	Poor Salinity Too Clayey Carbonate content	0.00 0.41 0.68
Fa: Farmsworth-----	50	Poor Droughty Sodium content Salinity Water erosion Carbonate content	0.00 0.00 0.88 0.99 0.99	Fair Shrink-swell Depth to saturated zone	0.12 0.76	Poor Sodium content Depth to saturated zone	0.00 0.76

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Durrstein-----	35	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.99	Poor Depth to saturated zone Shrink-swell	0.00 0.12	Poor Sodium content Depth to saturated zone Salinity	0.00 0.00 0.00
Fe: Ferney-----	50	Poor Droughty Sodium content Salinity Carbonate content	0.00 0.00 0.88 0.97	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.12 0.91	Poor Sodium content Depth to saturated zone	0.00 0.91
Heil-----	40	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.12	Poor Depth to saturated zone Sodium content	0.00 0.00
Ff: Forestburg-----	60	Poor Wind erosion Too sandy Low content of organic matter Water erosion	0.00 0.02 0.88 0.99	Good		Fair Too sandy	0.02
Elsmere-----	30	Poor Wind erosion Too sandy Low content of organic matter	0.00 0.14 0.88	Fair Low strength Depth to saturated zone	0.22 0.53	Fair Too sandy Depth to saturated zone	0.14 0.53

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Fh: Forestburg-----	45	Poor Wind erosion Too sandy Low content of organic matter Water erosion	0.00 0.02 0.88 0.99	Good		Fair Too sandy	0.02
Elsmere-----	25	Poor Wind erosion Too sandy Low content of organic matter	0.00 0.14 0.88	Fair Low strength Depth to saturated zone	0.22 0.53	Fair Too sandy Depth to saturated zone	0.14 0.53
Toko-----	20	Fair Low content of organic matter	0.12	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
FmA: Forman-----	50	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.97 0.99	Fair Low strength Shrink-swell	0.22 0.87	Fair Carbonate content	0.97
Aastad-----	40	Fair Low content of organic matter Too clayey Carbonate content Water erosion	0.12 0.95 0.97 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Too Clayey	0.95
FmB: Forman-----	60	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.97 0.99	Fair Low strength Shrink-swell	0.22 0.87	Fair Carbonate content	0.97

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Aastad-----	30	Fair Low content of organic matter Too clayey Carbonate content Water erosion	0.12 0.95 0.97 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Too Clayey	0.95
FnC: Forman-----	55	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.97 0.99	Fair Low strength Shrink-swell	0.22 0.87	Fair Carbonate content	0.97
Buse-----	35	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.46 0.99	Fair Low strength Shrink-swell	0.22 0.87	Fair Carbonate content	0.46
FrB: Forman-----	50	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.97 0.99	Fair Low strength Shrink-swell	0.22 0.87	Fair Carbonate content	0.97
Buse-----	25	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.46 0.99	Fair Low strength Shrink-swell	0.22 0.87	Fair Carbonate content	0.46
Aastad-----	20	Fair Low content of organic matter Too clayey Carbonate content Water erosion	0.12 0.95 0.97 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Too Clayey	0.95

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
FrC: Forman-----	45	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.97 0.99	Fair Low strength Shrink-swell	0.22 0.87	Fair Carbonate content	0.97
Buse-----	30	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.46 0.99	Fair Low strength Shrink-swell	0.22 0.87	Fair Carbonate content	0.46
Aastad-----	20	Fair Low content of organic matter Too clayey Carbonate content Water erosion	0.12 0.95 0.97 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Too Clayey	0.95
FsA: Forman-----	55	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.97 0.99	Fair Low strength Shrink-swell	0.22 0.87	Fair Carbonate content	0.97
Cresbard-----	30	Poor Too clayey Low content of organic matter Sodium content Water erosion	0.00 0.12 0.90 0.99	Poor Low strength Shrink-swell	0.00 0.45	Poor Too Clayey Sodium content	0.00 0.22
FsB: Forman-----	60	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.97 0.99	Fair Low strength Shrink-swell	0.22 0.87	Fair Carbonate content	0.97

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Cresbard-----	30	Poor Too clayey Low content of organic matter Sodium content Water erosion	0.00 0.12 0.90 0.99	Poor Low strength Shrink-swell	0.00 0.45	Poor Too Clayey Sodium content	0.00 0.22
FtA: Forman-----	45	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.97 0.99	Fair Low strength Shrink-swell	0.22 0.87	Fair Carbonate content	0.97
Cresbard-----	25	Poor Too clayey Low content of organic matter Sodium content Water erosion	0.00 0.12 0.90 0.99	Poor Low strength Shrink-swell	0.00 0.45	Poor Too Clayey Sodium content	0.00 0.22
Tonka-----	20	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.90	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.61	Poor Depth to saturated zone Too Clayey	0.00 0.00
Ga: Gardena-----	90	Fair Water erosion	0.90	Good		Good	
Gd: Gardena-----	55	Fair Water erosion	0.90	Good		Good	
Glyndon-----	35	Fair Carbonate content Water erosion	0.32 0.90	Good		Fair Carbonate content	0.32
Ge: Gardena-----	50	Fair Water erosion	0.90	Good		Good	

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Turton-----	35	Poor Droughty Sodium content Too alkaline Salinity Water erosion Carbonate content	0.00 0.00 0.00 0.88 0.90 0.92	Fair Low strength Shrink-swell	0.22 0.87	Fair Sodium content	0.22
GgA: Great Bend-----	90	Fair Low content of organic matter Water erosion Carbonate content	0.12 0.90 0.97	Poor Low strength	0.00	Fair Carbonate content	0.97
GnA: Great Bend-----	50	Fair Low content of organic matter Water erosion Carbonate content	0.12 0.90 0.97	Poor Low strength	0.00	Fair Carbonate content	0.97
Beotia-----	40	Fair Low content of organic matter Water erosion Carbonate content	0.12 0.90 0.92	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.92
GnB: Great Bend-----	60	Fair Low content of organic matter Water erosion Carbonate content	0.12 0.90 0.97	Poor Low strength	0.00	Fair Carbonate content	0.97
Beotia-----	30	Fair Low content of organic matter Water erosion Carbonate content	0.12 0.90 0.92	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.92

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
GoA: Great Bend-----	50	Fair Low content of organic matter Water erosion Carbonate content	0.12 0.90 0.92	Poor Low strength	0.00	Fair Carbonate content	0.97
Beotia-----	40	Fair Carbonate content Water erosion	0.92 0.99	Poor Low strength Shrink-swell	0.00 0.89	Good	
GpA: Great Bend-----	50	Fair Low content of organic matter Water erosion Carbonate content	0.12 0.90 0.97	Poor Low strength	0.00	Fair Carbonate content	0.97
Putney-----	35	Fair Too clayey Salinity Carbonate content Water erosion	0.50 0.50 0.68 0.90	Poor Low strength Shrink-swell	0.00 0.99	Poor Salinity Too Clayey Carbonate content	0.00 0.41 0.68
GpB: Great Bend-----	50	Fair Low content of organic matter Water erosion Carbonate content	0.12 0.90 0.97	Poor Low strength	0.00	Fair Carbonate content	0.97
Putney-----	35	Fair Too clayey Salinity Carbonate content Water erosion	0.50 0.50 0.68 0.90	Poor Low strength Shrink-swell	0.00 0.99	Poor Salinity Too Clayey Carbonate content	0.00 0.41 0.68
GtB: Great Bend-----	60	Fair Low content of organic matter Water erosion Carbonate content	0.12 0.90 0.97	Poor Low strength	0.00	Fair Carbonate content	0.97

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Zell-----	30	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.80 0.90	Good		Fair Carbonate content	0.80
GtC: Great Bend-----	50	Fair Low content of organic matter Water erosion Carbonate content	0.12 0.90 0.97	Poor Low strength	0.00	Fair Carbonate content	0.97
Zell-----	40	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.80 0.90	Good		Fair Carbonate content	0.80
GzC: Great Bend-----	45	Fair Low content of organic matter Water erosion Carbonate content	0.12 0.90 0.97	Poor Low strength	0.00	Fair Carbonate content	0.97
Zell-----	25	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.80 0.90	Good		Fair Carbonate content	0.80
Huffton-----	20	Fair Low content of organic matter Carbonate content Salinity Water erosion Sodium content	0.12 0.46 0.88 0.90 0.90	Poor Low strength	0.00	Poor Salinity Carbonate content Sodium content	0.00 0.46 0.90

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HaA: Hamerly-----	85	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Fair Low strength Shrink-swell Depth to saturated zone	0.22 0.87 0.91	Fair Carbonate content Depth to saturated zone	0.68 0.91
Hb: Hamerly-----	50	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Fair Low strength Shrink-swell Depth to saturated zone	0.22 0.87 0.91	Fair Carbonate content Depth to saturated zone	0.68 0.91
Tonka-----	40	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.90	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.61	Poor Depth to saturated zone Too Clayey	0.00 0.00
HcA: Hand-----	50	Fair Low content of organic matter	0.12	Fair Shrink-swell	0.94	Good	
Bonilla-----	40	Fair Low content of organic matter	0.12	Poor Low strength Shrink-swell	0.00 0.87	Good	
HcB: Hand-----	60	Fair Low content of organic matter	0.12	Fair Shrink-swell	0.94	Good	
Bonilla-----	30	Fair Low content of organic matter	0.12	Poor Low strength Shrink-swell	0.00 0.87	Good	

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HdA: Hand-----	50	Fair Low content of organic matter	0.12	Fair Shrink-swell	0.94	Good	
Carthage-----	40	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Shrink-swell	0.00 0.98	Good	
He: Hand-----	45	Fair Low content of organic matter	0.12	Fair Shrink-swell	0.94	Good	
Carthage-----	25	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Shrink-swell	0.00 0.98	Good	
Overshue-----	20	Good		Poor Depth to saturated zone Low strength	0.00 0.22	Poor Depth to saturated zone	0.00
HfC: Hand-----	55	Fair Low content of organic matter	0.12	Fair Shrink-swell	0.94	Good	
Ethan-----	35	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.97
HgB: Hand-----	50	Fair Low content of organic matter	0.12	Fair Shrink-swell	0.94	Good	

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ethan-----	25	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.97
Bonilla-----	20	Fair Low content of organic matter	0.12	Poor Low strength Shrink-swell	0.00 0.87	Good	
HgC: Hand-----	45	Fair Low content of organic matter	0.12	Fair Shrink-swell	0.94	Good	
Ethan-----	30	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.97
Bonilla-----	20	Fair Low content of organic matter	0.12	Poor Low strength Shrink-swell	0.00 0.87	Good	
HhB: Hand-----	50	Fair Low content of organic matter	0.12	Fair Shrink-swell	0.94	Good	
Ethan-----	25	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.97
Carthage-----	20	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Shrink-swell	0.00 0.98	Good	

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HjB: Hand-----	45	Fair Low content of organic matter	0.12	Fair Shrink-swell	0.94	Good	
Talmo-----	35	Poor Droughty	0.00	Good		Fair Rock fragments	0.28
HjC: Hand-----	45	Fair Low content of organic matter	0.12	Fair Shrink-swell	0.94	Good	
Talmo-----	35	Poor Droughty	0.00	Good		Fair Rock fragments	0.28
Hk: Harmony-----	55	Poor Too clayey Water erosion Carbonate content	0.00 0.90 0.97	Poor Low strength Shrink-swell	0.00 0.51	Poor Too Clayey	0.00
Aberdeen-----	35	Poor Too clayey Low content of organic matter Water erosion Sodium content	0.00 0.12 0.90 0.97	Poor Low strength Shrink-swell	0.00 0.49	Poor Too Clayey Sodium content Salinity	0.00 0.22 0.88
Hm: Harmony-----	55	Fair Low content of organic matter Water erosion Carbonate content	0.12 0.90 0.97	Poor Low strength Shrink-swell	0.00 0.69	Good	
Aberdeen-----	35	Poor Too clayey Low content of organic matter Water erosion Sodium content	0.00 0.50 0.90 0.97	Poor Low strength Shrink-swell	0.00 0.81	Poor Too Clayey Sodium content Salinity	0.00 0.22 0.88

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Hn: Harmony-----	55	Fair Low content of organic matter Water erosion Carbonate content	0.12 0.90 0.97	Poor Low strength Shrink-swell	0.00 0.71	Good	
Beotia-----	35	Fair Low content of organic matter Water erosion Carbonate content	0.12 0.90 0.92	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.92
Ho: Harmony-----	55	Poor Too clayey Water erosion Carbonate content	0.00 0.90 0.97	Poor Low strength Shrink-swell	0.00 0.51	Poor Too Clayey	0.00
Beotia-----	35	Fair Carbonate content Water erosion	0.92 0.99	Poor Low strength Shrink-swell	0.00 0.89	Good	
Hp: Harriet-----	90	Poor Droughty Sodium content Carbonate content Salinity Water erosion	0.00 0.00 0.46 0.88 0.99	Poor Depth to saturated zone Shrink-swell Low strength	0.00 0.12 0.22	Poor Depth to saturated zone Sodium content	0.00 0.00
Hr: Heil-----	90	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.12	Poor Depth to saturated zone Sodium content	0.00 0.00
HsA: Henkin-----	55	Good		Good		Good	

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Blendon-----	35	Good		Good		Good	
HsB: Henkin-----	60	Good		Good		Good	
Blendon-----	30	Good		Good		Good	
HtB: Houdek-----	50	Fair Low content of organic matter Carbonate content	0.12 0.97	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.97
Ethan-----	25	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.97
Prosper-----	20	Fair Low content of organic matter Too clayey Water erosion	0.12 0.98 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Too Clayey	0.93
HtC: Houdek-----	45	Fair Low content of organic matter Carbonate content	0.12 0.97	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.97
Ethan-----	30	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.97

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Prosper-----	20	Fair Low content of organic matter Too clayey Water erosion	0.12 0.98 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Too Clayey	0.93
HuA: Houdek-----	50	Fair Low content of organic matter Carbonate content	0.12 0.97	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.97
Prosper-----	40	Fair Low content of organic matter Too clayey Water erosion	0.12 0.98 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Too Clayey	0.93
HuB: Houdek-----	60	Fair Low content of organic matter Carbonate content	0.12 0.97	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.97
Prosper-----	30	Fair Low content of organic matter Too clayey Water erosion	0.12 0.98 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Too Clayey	0.93
HwA: Houdek-----	55	Fair Low content of organic matter Carbonate content	0.12 0.97	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.97
Stickney-----	35	Fair Sodium content Low content of organic matter Salinity Water erosion	0.22 0.50 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.72	Poor Salinity Sodium content	0.00 0.22

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HxA: Houdek-----	45	Fair Low content of organic matter Carbonate content	0.12 0.97	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.97
Stickney-----	25	Fair Sodium content Low content of organic matter Salinity Water erosion	0.22 0.50 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.72	Poor Salinity Sodium content	0.00 0.22
Tetonka-----	20	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.16	Poor Depth to saturated zone Too Clayey	0.00 0.00
Hy: Hoven-----	90	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.12	Poor Depth to saturated zone Sodium content	0.00 0.00
Ie: Ipage-----	45	Poor Too sandy Wind erosion Low content of organic matter Too acid	0.00 0.00 0.50 0.97	Good		Poor Too sandy	0.00
Els-----	25	Poor Too sandy Wind erosion Low content of organic matter	0.00 0.00 0.12	Fair Depth to saturated zone	0.76	Poor Too sandy Depth to saturated zone	0.00 0.76

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Shue-----	20	Poor Too sandy Wind erosion Low content of organic matter Water erosion	0.00 0.00 0.12 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.78 0.98	Poor Too sandy Depth to saturated zone	0.00 0.00
Jh: Jerauld-----	50	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.99	Fair Shrink-swell Low strength Depth to saturated zone	0.12 0.22 0.91	Poor Sodium content Depth to saturated zone	0.00 0.91
Hoven-----	40	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.12	Poor Depth to saturated zone Sodium content	0.00 0.00
KaA: Kranzburg-----	50	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.92 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.97
Brookings-----	40	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.92	Good	
KbB: Kranzburg-----	40	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.92 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.97

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Brookings-----	30	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.92	Good	
Buse-----	25	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.46 0.99	Fair Low strength Shrink-swell	0.22 0.87	Fair Carbonate content	0.46
KcA: Kranzburg-----	55	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.92 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.97
Cresbard-----	30	Poor Too clayey Low content of organic matter Sodium content Water erosion	0.00 0.12 0.90 0.99	Poor Low strength Shrink-swell	0.00 0.45	Poor Too Clayey Sodium content	0.00 0.22
KtA: Kranzburg-----	45	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.92 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.97
Cresbard-----	25	Poor Too clayey Low content of organic matter Sodium content Water erosion	0.00 0.12 0.90 0.99	Poor Low strength Shrink-swell	0.00 0.45	Poor Too Clayey Sodium content	0.00 0.22

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Tonka-----	20	Poor Too clayey	0.00	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
		Low content of organic matter	0.50	Low strength	0.00	Too Clayey	0.00
		Water erosion	0.90	Shrink-swell	0.61		
KzB: Kranzburg-----	40	Fair Low content of organic matter	0.50	Poor Low strength	0.00	Fair Carbonate content	0.97
		Carbonate content	0.92	Shrink-swell	0.87		
		Water erosion	0.99				
Zell-----	30	Fair Low content of organic matter	0.12	Good		Fair Carbonate content	0.80
		Carbonate content	0.80				
		Water erosion	0.90				
Aastad-----	20	Fair Low content of organic matter	0.12	Poor Low strength	0.00	Fair Too Clayey	0.95
		Too clayey	0.95	Shrink-swell	0.87		
		Carbonate content	0.97				
		Water erosion	0.99				
La: La Prairie-----	85	Fair Carbonate content	0.92	Poor Low strength	0.00	Good	
				Shrink-swell	0.90		
Lc: La Prairie-----	50	Fair Carbonate content	0.92	Poor Low strength	0.00	Good	
				Shrink-swell	0.90		
Holmquist-----	40	Fair Low content of organic matter	0.12	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
		Sodium content	0.60	Low strength	0.78	Salinity	0.50
				Shrink-swell	0.87	Sodium content	0.60

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ld: Ladelle-----	90	Good		Poor Low strength Shrink-swell	0.00 0.95	Good	
Le: Ladelle-----	85	Good		Poor Low strength Shrink-swell	0.00 0.95	Good	
Lk: Lamo-----	90	Fair Low content of organic matter Water erosion	0.88 0.90	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.53 0.87	Fair Depth to saturated zone	0.53
Lm: Lamoure-----	85	Fair Water erosion	0.90	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.00 0.91	Poor Depth to saturated zone	0.00
Ln: Lawet-----	85	Fair Carbonate content	0.68	Fair Depth to saturated zone Shrink-swell	0.14 0.94	Fair Depth to saturated zone Carbonate content	0.14 0.68
Lo: Lawet-----	90	Fair Carbonate content	0.68	Poor Depth to saturated zone Shrink-swell	0.00 0.94	Poor Depth to saturated zone Carbonate content	0.00 0.68
Lp: Lawet-----	60	Fair Carbonate content	0.68	Fair Depth to saturated zone Shrink-swell	0.14 0.94	Fair Depth to saturated zone Carbonate content	0.14 0.68

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Davison-----	30	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.80 0.99	Fair Shrink-swell Depth to saturated zone	0.93 0.98	Fair Carbonate content Depth to saturated zone	0.80 0.98
LrA: Lehr-----	55	Poor Droughty	0.00	Fair Shrink-swell	0.87	Good	
Bowdle-----	35	Fair Droughty	0.96	Good		Good	
LrB: Lehr-----	60	Poor Droughty	0.00	Fair Shrink-swell	0.87	Good	
Bowdle-----	30	Fair Droughty	0.96	Good		Good	
Ls: Lowe-----	85	Fair Low content of organic matter Carbonate content	0.50 0.68	Poor Depth to saturated zone Shrink-swell	0.00 0.87	Poor Depth to saturated zone Carbonate content	0.00 0.68
Lt: Ludden-----	85	Poor Too clayey Low content of organic matter	0.00 0.12	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.00 0.12	Poor Too Clayey Depth to saturated zone	0.00 0.00
Lu: Ludden-----	90	Poor Too clayey Low content of organic matter	0.00 0.12	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.12	Poor Too Clayey Depth to saturated zone	0.00 0.00

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Lw: Ludden-----	85	Poor Too clayey	0.00	Poor Depth to saturated zone	0.00	Poor Too Clayey	0.00
		Low content of organic matter	0.12	Low strength	0.00	Depth to saturated zone	0.00
				Shrink-swell	0.12		
M-W: Miscellaneous Water-	100	Not rated		Not rated		Not rated	
MaC: Maddock-----	50	Poor Too sandy	0.00	Good		Poor Too sandy	0.00
		Low content of organic matter	0.88				
Egeland-----	35	Fair Low content of organic matter	0.12	Good		Good	
MdA: Max-----	50	Fair Low content of organic matter	0.50	Fair Low strength	0.22	Fair Carbonate content	0.92
		Carbonate content	0.92	Shrink-swell	0.91		
		Water erosion	0.99				
Arnegard-----	40	Fair Low content of organic matter	0.50	Good		Good	
MdB: Max-----	60	Fair Low content of organic matter	0.50	Fair Low strength	0.22	Fair Carbonate content	0.92
		Carbonate content	0.92	Shrink-swell	0.91		
		Water erosion	0.99				
Arnegard-----	30	Fair Low content of organic matter	0.50	Good		Good	

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
MgB: Max-----	45	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.92 0.99	Fair Low strength Shrink-swell	0.22 0.91	Fair Carbonate content	0.92
Arnegard-----	30	Fair Low content of organic matter	0.50	Good		Good	
Zahl-----	20	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.92 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.92
MnB: Max-----	40	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.92 0.99	Fair Low strength Shrink-swell	0.22 0.91	Fair Carbonate content	0.92
Niobell-----	30	Poor Too clayey Sodium content Low content of organic matter Water erosion	0.00 0.22 0.50 0.99	Fair Shrink-swell	0.69	Poor Too Clayey Sodium content	0.00 0.22
Noonan-----	20	Poor Droughty Sodium content Carbonate content Water erosion	0.00 0.22 0.92 0.99	Fair Shrink-swell	0.12	Fair Sodium content	0.60
MxC: Max-----	45	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.92 0.99	Fair Low strength Shrink-swell	0.22 0.91	Fair Carbonate content	0.92

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Zahl-----	30	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.92 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.92
Arnegard-----	20	Fair Low content of organic matter	0.50	Good		Good	
My: Miranda-----	50	Poor Droughty Sodium content Salinity Carbonate content	0.00 0.00 0.88 0.97	Fair Shrink-swell Low strength Depth to saturated zone	0.12 0.78 0.91	Poor Sodium content Depth to saturated zone	0.00 0.91
Heil-----	40	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.12	Poor Depth to saturated zone Sodium content	0.00 0.00
Mz: Moritz-----	55	Fair Carbonate content	0.92	Fair Depth to saturated zone Shrink-swell	0.76 0.99	Fair Depth to saturated zone Carbonate content	0.76 0.92
Lowe-----	35	Fair Low content of organic matter Carbonate content	0.50 0.68	Poor Depth to saturated zone Shrink-swell	0.00 0.87	Poor Depth to saturated zone Carbonate content	0.00 0.68
Na: Nahon-----	45	Poor Droughty Salinity Water erosion Sodium content	0.00 0.88 0.90 0.97	Poor Low strength Shrink-swell	0.00 0.12	Fair Sodium content	0.98

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Aberdeen-----	30	Poor Too clayey Low content of organic matter Water erosion Sodium content	0.00 0.50 0.90 0.97	Poor Low strength Shrink-swell	0.00 0.81	Poor Too Clayey Sodium content Salinity	0.00 0.22 0.88
Exline-----	20	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.90	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.12 0.91	Poor Sodium content Depth to saturated zone	0.00 0.91
Nb: Nahon-----	45	Poor Droughty Salinity Sodium content Water erosion	0.00 0.88 0.97 0.99	Poor Low strength Shrink-swell	0.00 0.12	Fair Sodium content	0.22
Aberdeen-----	30	Poor Too clayey Low content of organic matter Water erosion Sodium content	0.00 0.12 0.90 0.97	Poor Low strength Shrink-swell	0.00 0.49	Poor Too Clayey Sodium content Salinity	0.00 0.22 0.88
Exline-----	20	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.90	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.12 0.91	Poor Sodium content Depth to saturated zone	0.00 0.91
Nc: Niobell-----	60	Poor Too clayey Sodium content Low content of organic matter Water erosion	0.00 0.22 0.50 0.99	Fair Shrink-swell	0.69	Poor Too Clayey Sodium content	0.00 0.22

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Noonan-----	30	Poor Droughty Sodium content Carbonate content Water erosion	0.00 0.22 0.92 0.99	Fair Shrink-swell	0.12	Fair Sodium content	0.60
Nd: Niobell-----	40	Poor Too clayey Sodium content Low content of organic matter Water erosion	0.00 0.22 0.50 0.99	Fair Shrink-swell	0.69	Poor Too Clayey Sodium content	0.00 0.22
Noonan-----	30	Poor Droughty Sodium content Carbonate content Water erosion	0.00 0.22 0.92 0.99	Fair Shrink-swell	0.12	Fair Sodium content	0.60
Heil-----	20	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.12	Poor Depth to saturated zone Sodium content	0.00 0.00
NeA: Niobell-----	40	Poor Too clayey Sodium content Low content of organic matter Water erosion	0.00 0.22 0.50 0.99	Fair Shrink-swell	0.69	Poor Too Clayey Sodium content	0.00 0.22
Noonan-----	30	Poor Droughty Sodium content Carbonate content Water erosion	0.00 0.22 0.92 0.99	Fair Shrink-swell	0.12	Fair Sodium content	0.60

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Max-----	20	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.92 0.99	Fair Low strength Shrink-swell	0.22 0.91	Fair Carbonate content	0.92
Nm: Noonan-----	55	Poor Droughty Sodium content Carbonate content Water erosion	0.00 0.22 0.92 0.99	Fair Shrink-swell	0.12	Fair Sodium content	0.60
Miranda-----	35	Poor Droughty Sodium content Salinity Carbonate content	0.00 0.00 0.88 0.97	Fair Shrink-swell Low strength	0.12 0.78	Poor Sodium content	0.00
Nr: Northville-----	60	Fair Sodium content Too clayey Salinity Water erosion	0.22 0.50 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.72	Poor Salinity Sodium content Too Clayey	0.00 0.22 0.41
Farmsworth-----	30	Poor Droughty Sodium content Salinity Water erosion Carbonate content	0.00 0.00 0.88 0.99 0.99	Fair Shrink-swell Depth to saturated zone	0.12 0.76	Poor Sodium content Depth to saturated zone	0.00 0.76
Nv: Northville-----	40	Fair Sodium content Too clayey Salinity Water erosion	0.22 0.50 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.72	Poor Salinity Sodium content Too Clayey	0.00 0.22 0.41

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Farmsworth-----	30	Poor Droughty Sodium content Salinity Water erosion Carbonate content	0.00 0.00 0.88 0.99 0.99	Fair Shrink-swell Depth to saturated zone	0.12 0.76	Poor Sodium content Depth to saturated zone	0.00 0.76
Hoven-----	20	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.12	Poor Depth to saturated zone Sodium content	0.00 0.00
Ov: Overshue-----	90	Good		Poor Depth to saturated zone Low strength	0.00 0.22	Poor Depth to saturated zone	0.00
Pa: Parnell-----	90	Poor Too clayey Water erosion	0.00 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.14	Poor Depth to saturated zone Too Clayey	0.00 0.00
Pc: Parshall-----	85	Fair Low content of organic matter	0.50	Good		Good	
PeA: Peever-----	85	Fair Low content of organic matter Too clayey Sodium content Water erosion	0.12 0.12 0.97 0.99	Poor Low strength Shrink-swell	0.00 0.12	Fair Too Clayey Sodium content	0.08 0.98

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
PgB: Peever-----	60	Fair Low content of organic matter Too clayey Sodium content Water erosion	0.12 0.12 0.97 0.99	Poor Low strength Shrink-swell	0.00 0.12	Fair Too Clayey Sodium content	0.08 0.98
Buse-----	30	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.46 0.99	Fair Low strength Shrink-swell	0.22 0.87	Fair Carbonate content	0.46
PoA: Peever-----	60	Fair Low content of organic matter Too clayey Sodium content Water erosion	0.12 0.12 0.97 0.99	Poor Low strength Shrink-swell	0.00 0.12	Fair Too Clayey Sodium content	0.08 0.98
Cavour-----	30	Poor Droughty Salinity Sodium content Carbonate content Water erosion	0.00 0.50 0.90 0.99 0.99	Poor Low strength Shrink-swell	0.00 0.12	Poor Sodium content	0.00
Pp: Pits, Gravel And Sand-----	90	Not rated		Not rated		Not rated	
Pr: Playmoor-----	85	Fair Low content of organic matter Salinity Sodium content	0.12 0.88 0.97	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.87	Poor Depth to saturated zone Salinity	0.00 0.00

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Py: Playmoor-----	50	Fair Low content of organic matter Salinity Sodium content	0.12 0.88 0.97	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.87	Poor Depth to saturated zone Salinity	0.00 0.00
Lamoure-----	40	Fair Water erosion	0.90	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.91	Poor Depth to saturated zone	0.00
Ra: Ranslo-----	85	Poor Droughty Carbonate content Too clayey Water erosion	0.00 0.46 0.98 0.99	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.12 0.53	Fair Depth to saturated zone Too Clayey	0.53 0.98
Re: Ranslo-----	50	Poor Droughty Carbonate content Water erosion	0.00 0.46 0.99	Fair Shrink-swell Depth to saturated zone	0.12 0.53	Fair Depth to saturated zone	0.53
Harriet-----	40	Poor Droughty Sodium content Carbonate content Salinity Water erosion	0.00 0.00 0.46 0.88 0.99	Poor Depth to saturated zone Shrink-swell Low strength	0.00 0.12 0.22	Poor Depth to saturated zone Sodium content	0.00 0.00
RfA: Renshaw-----	55	Poor Droughty Low content of organic matter	0.00 0.50	Good		Fair Rock fragments	0.28

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Fordville-----	35	Fair Droughty	0.96	Fair Low strength No shrink-swell limitation	0.22 0.99	Good	
RfB: Renshaw-----	60	Poor Droughty Low content of organic matter	0.00 0.50	Good		Fair Rock fragments	0.28
Fordville-----	30	Fair Droughty	0.96	Fair Low strength No shrink-swell limitation	0.22 0.99	Good	
So: Southam-----	90	Poor Too clayey Carbonate content Water erosion	0.00 0.92 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.12	Poor Depth to saturated zone Too Clayey Salinity	0.00 0.00 0.88
St: Stickney-----	60	Fair Sodium content Low content of organic matter Salinity Water erosion	0.22 0.50 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.72	Poor Salinity Sodium content	0.00 0.22
Dudley-----	30	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.50 0.99	Poor Low strength Shrink-swell	0.00 0.12	Fair Sodium content	0.78
Su: Stickney-----	40	Fair Sodium content Low content of organic matter Salinity Water erosion	0.22 0.50 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.72	Poor Salinity Sodium content	0.00 0.22

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Dudley-----	30	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.50 0.99	Poor Low strength Shrink-swell	0.00 0.12	Fair Sodium content	0.78
Hoven-----	20	Poor Droughty Sodium content Salinity Water erosion	0.00 0.00 0.88 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.12	Poor Depth to saturated zone Sodium content	0.00 0.00
Sw: Straw-----	85	Fair Low content of organic matter	0.88	Fair Shrink-swell	0.98	Good	
Sx: Straw-----	90	Fair Low content of organic matter	0.88	Fair Shrink-swell	0.98	Good	
TbE: Talmo-----	45	Poor Droughty	0.00	Poor Slope	0.00	Poor Slope Rock fragments	0.00 0.28
Ethan-----	35	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Poor Slope Low strength Shrink-swell	0.00 0.00 0.87	Poor Slope Carbonate content	0.00 0.97
Te: Tetonka-----	90	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.16	Poor Depth to saturated zone Too Clayey	0.00 0.00

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Tk: Toko-----	90	Fair Low content of organic matter	0.12	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
Tm: Toko-----	90	Fair Low content of organic matter	0.12	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
Tn: Tonka-----	90	Poor Too clayey	0.00	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
		Low content of organic matter	0.50	Low strength	0.00	Too Clayey	0.00
		Water erosion	0.90	Shrink-swell	0.61		
To: Tonka-----	60	Poor Too clayey	0.00	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
		Low content of organic matter	0.50	Low strength	0.00	Too Clayey	0.00
		Water erosion	0.90	Shrink-swell	0.61		
Rimlap-----	30	Poor Too clayey	0.00	Poor Low strength	0.00	Poor Too Clayey	0.00
		Low content of organic matter	0.88	Depth to saturated zone	0.12	Depth to saturated zone	0.12
		Water erosion	0.99	Shrink-swell	0.31		
Us: Udorthents, Silty---	90	Fair Low content of organic matter	0.12	Fair Low strength	0.78	Good	
		Water erosion	0.99	Shrink-swell	0.87		
Va: Vallars-----	60	Fair Low content of organic matter	0.12	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
		Carbonate content	0.46	Low strength	0.22	Carbonate content	0.46
		Water erosion	0.99				

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Hamerly-----	30	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Fair Low strength Shrink-swell Depth to saturated zone	0.22 0.87 0.91	Fair Carbonate content Depth to saturated zone	0.68 0.91
VgA: Vang-----	85	Fair Low content of organic matter Droughty	0.88 0.88	Good		Fair Rock fragments Hard to reclaim	0.12 0.46
W: Water (less Than 40 Acres)-----	100	Not rated		Not rated		Not rated	
WaA: Williams-----	50	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Bowbells-----	40	Fair Water erosion	0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
WaB: Williams-----	60	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Bowbells-----	30	Fair Water erosion	0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
WbA: Williams-----	45	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Bowbells-----	25	Fair Water erosion	0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Tonka-----	20	Poor Too clayey	0.00	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
		Low content of organic matter	0.50	Low strength	0.00	Too Clayey	0.00
		Water erosion	0.90	Shrink-swell	0.61		
WbB: Williams-----	50	Fair Low content of organic matter	0.50	Poor Low strength	0.00	Good	
		Water erosion	0.99	Shrink-swell	0.87		
Bowbells-----	25	Fair Water erosion	0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Tonka-----	20	Poor Too clayey	0.00	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
		Low content of organic matter	0.50	Low strength	0.00	Too Clayey	0.00
		Water erosion	0.90	Shrink-swell	0.61		
WcA: Williams-----	55	Fair Low content of organic matter	0.50	Poor Low strength	0.00	Good	
		Water erosion	0.99	Shrink-swell	0.87		
Niobell-----	30	Poor Too clayey	0.00	Fair Shrink-swell	0.69	Poor Too Clayey	0.00
		Sodium content	0.22			Sodium content	0.22
		Low content of organic matter	0.50				
		Water erosion	0.99				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
WcB: Williams-----	60	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Niobell-----	30	Poor Too clayey Sodium content Low content of organic matter Water erosion	0.00 0.22 0.50 0.99	Fair Shrink-swell	0.69	Poor Too Clayey Sodium content	0.00 0.22
WdA: Williams-----	45	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Niobell-----	25	Poor Too clayey Sodium content Low content of organic matter Water erosion	0.00 0.22 0.50 0.99	Fair Shrink-swell	0.69	Poor Too Clayey Sodium content	0.00 0.22
Tonka-----	20	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.90	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.61	Poor Depth to saturated zone Too Clayey	0.00 0.00
WhD: Williams-----	50	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Vida-----	40	Fair Low content of organic matter Water erosion	0.12 0.99	Fair Low strength Shrink-swell	0.78 0.87	Fair Slope	0.37

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
WmB: Williams-----	50	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Zahl-----	25	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.92 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.92
Bowbells-----	20	Fair Water erosion	0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
WmC: Williams-----	45	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Zahl-----	30	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.92 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.92
Bowbells-----	20	Fair Water erosion	0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Wn: Winship-----	60	Fair Water erosion	0.99	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.91 0.98	Fair Depth to saturated zone	0.91

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Tonka-----	30	Poor Too clayey	0.00	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
		Low content of organic matter	0.50	Low strength	0.00	Too Clayey	0.00
		Water erosion	0.90	Shrink-swell	0.61		
Wo: Winship-----	60	Fair Water erosion	0.99	Poor Low strength	0.00	Fair Depth to saturated zone	0.91
				Depth to saturated zone	0.91		
				Shrink-swell	0.94		
Tonka-----	30	Poor Too clayey	0.00	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
		Low content of organic matter	0.50	Low strength	0.00	Too Clayey	0.00
		Water erosion	0.90	Shrink-swell	0.61		
Ws: Woonsocket-----	50	Fair Low content of organic matter	0.12	Good		Fair Sodium content	0.22
		Sodium content	0.22				
Whitelake-----	35	Poor Droughty	0.00	Fair Shrink-swell	0.99	Fair Sodium content	0.22
		Sodium content	0.22				
		Salinity	0.88				
Wt: Worthing-----	90	Poor Too clayey	0.00	Poor Depth to saturated zone	0.00	Poor Too Clayey	0.00
		Water erosion	0.99	Low strength	0.00	Depth to saturated zone	0.00
				Shrink-swell	0.12		

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ww: Worthing-----	90	Poor Too clayey Water erosion	0.00 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.12	Poor Too Clayey Depth to saturated zone	0.00 0.00
ZaE: Zahill-----	85	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.99 0.99	Poor Slope Low strength Shrink-swell	0.00 0.22 0.87	Poor Slope	0.00
ZbC: Zahl-----	50	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.92 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.92
Max-----	40	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.92 0.99	Fair Low strength Shrink-swell	0.22 0.91	Fair Carbonate content	0.92
ZbD: Zahl-----	55	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.92 0.99	Poor Low strength Slope Shrink-swell	0.00 0.82 0.87	Poor Slope Carbonate content	0.00 0.92
Max-----	35	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.92 0.99	Fair Low strength Shrink-swell	0.22 0.91	Fair Slope Carbonate content	0.37 0.92

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
ZgD: Zell-----	55	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.80 0.90	Fair Slope	0.92	Poor Slope Carbonate content	0.00 0.80
Great Bend-----	35	Fair Low content of organic matter Water erosion Carbonate content	0.12 0.90 0.97	Poor Low strength	0.00	Fair Carbonate content	0.97

