

Section II  
Soil and Site Information

Construction Materials Table 2  
Edmunds 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
Ba: Bearden-----	85	Fair Carbonate content Low content of organic matter Water erosion	0.46 0.50 0.90	Poor Low strength Shrink-swell  Depth to saturated zone	0.00 0.76  0.91	Fair Carbonate content Depth to saturated zone	0.46 0.91
Bc: Bowbells-----	50	Fair Water erosion	0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
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 0.59	Poor Too Clayey Sodium content	0.00 0.90
BoA: Bowdle-----	85	Fair Low content of organic matter	0.12	Good		Fair Hard to reclaim	0.82
BoB: Bowdle-----	90	Fair Low content of organic matter	0.12	Good		Fair Hard to reclaim	0.82
BrA: Bryant-----	79	Fair Low content of organic matter	0.50	Poor Low strength  Shrink-swell	0.00  0.87	Good	
BrB: Bryant-----	82	Fair Low content of organic matter	0.50	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
BrC: Bryant-----	85	Fair Low content of organic matter	0.50	Poor Low strength Shrink-swell	0.00 0.87	Good	
BvA: Bryant-----	80	Fair Low content of organic matter	0.50	Poor Low strength Shrink-swell	0.00 0.87	Good	
BxB: Bryant-----	55	Fair Low content of organic matter	0.50	Poor Low strength Shrink-swell	0.00 0.87	Good	
Grassna-----	25	Good		Poor Low strength	0.00	Good	
Dv: Divide-----	90	Fair Carbonate content	0.32	Fair Depth to saturated zone	0.91	Fair Hard to reclaim Carbonate content Depth to saturated zone Rock fragments	0.18 0.32 0.91 0.97
EdE: Edgeley-----	80	Fair Droughty Depth to bedrock Water erosion	0.06 0.58 0.99	Not Rated Depth to bedrock	0.00	Poor Slope Depth to bedrock Rock fragments	0.00 0.58 0.97
GP: Orthents, Gravelly--	100	Fair Low content of organic matter Too sandy Droughty	0.12 0.14 0.29	Not Rated		Poor Rock fragments Too sandy Hard to reclaim	0.00 0.14 0.18

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Gr: Grassna-----	90	Good		Poor Low strength	0.00	Good	
He: Heil-----	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	Shrink-swell	0.00	Depth to saturated zone	0.00
		Salinity	0.88	Low strength	0.00	Salinity	0.00
		Water erosion	0.99				
LeA: Lehr-----	80	Poor Too sandy	0.00	Good		Poor Too sandy	0.00
		Droughty	0.31			Rock fragments	0.00
		Low content of organic matter	0.50			Hard to reclaim	0.00
LeB: Lehr-----	80	Poor Too sandy	0.00	Good		Poor Too sandy	0.00
		Droughty	0.31			Rock fragments	0.00
		Low content of organic matter	0.50			Hard to reclaim	0.00
LhB: Lehr-----	50	Poor Too sandy	0.00	Good		Poor Too sandy	0.00
		Droughty	0.31			Rock fragments	0.00
		Low content of organic matter	0.50			Hard to reclaim	0.00
Bowdle-----	30	Fair Low content of organic matter	0.12	Good		Fair Hard to reclaim	0.82
Lt: Letcher-----	90	Fair Low content of organic matter	0.12	Good		Fair Sodium content	0.22
		Sodium content	0.22			Salinity	0.88

Section II  
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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Lv: La Prairie-----	50	Fair Carbonate content	0.92	Poor Low strength Shrink-swell	0.00 0.98	Good	
Ranslo-----	44	Poor Too clayey Sodium content  Low content of organic matter Carbonate content  Water erosion	0.00 0.10  0.12 0.46 0.99	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.53 0.83	Poor Too Clayey Sodium content  Carbonate content  Depth to saturated zone Salinity	0.00 0.10  0.46 0.53 0.88
M-W: Miscellaneous Water-	100	Not rated		Not rated		Not rated	
Mb: Parnell-----	95	Poor Too clayey  Water erosion	0.00 0.99	Poor Depth to saturated zone Low strength  Shrink-swell	0.00 0.00 0.00	Poor Too Clayey  Depth to saturated zone	0.00 0.00
MdA: Mondamin-----	82	Poor Too clayey Water erosion	0.00 0.99	Poor Low strength Shrink-swell	0.00 0.49	Poor Too Clayey	0.00
MdB: Mondamin-----	80	Poor Too clayey Water erosion	0.00 0.99	Poor Low strength Shrink-swell	0.00 0.49	Poor Too Clayey	0.00
Mh: Mondamin-----	55	Poor Too clayey Water erosion	0.00 0.99	Poor Low strength Shrink-swell	0.00 0.49	Poor Too Clayey	0.00

Section II  
Soil and Site Information

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Heil-----	25	Poor Too clayey	0.00	Poor Depth to saturated zone	0.00	Poor Too Clayey	0.00
		Low content of organic matter	0.12	Shrink-swell	0.00	Depth to saturated zone	0.00
		Salinity	0.88	Low strength	0.00	Salinity	0.00
		Water erosion	0.99				
NmA: Niobell-----	42	Fair Sodium content	0.22	Good		Fair Sodium content	0.22
		Low content of organic matter	0.50				
		Water erosion	0.99				
Miranda-----	30	Poor Sodium content	0.00	Poor Low strength	0.00	Poor Sodium content	0.00
		Low content of organic matter	0.12	Shrink-swell	0.87	Salinity	0.00
		Salinity	0.88			Carbonate content	0.97
		Carbonate content	0.97				
		Water erosion	0.99				
NpB: Niobell-----	35	Fair Sodium content	0.22	Good		Fair Sodium content	0.22
		Low content of organic matter	0.50				
		Water erosion	0.99				
Noonan-----	30	Fair Low content of organic matter	0.12	Poor Low strength	0.00	Fair Sodium content	0.60
		Sodium content	0.22	Shrink-swell	0.87	Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		Water erosion	0.99				
Or: Orthents, Loamy-----	80	Not rated		Not rated		Not rated	

Section II  
Soil and Site Information

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Pa: Parnell-----	85	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.90	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.00	Poor Depth to saturated zone Too Clayey	0.00 0.00
Rh: Ranslo-----	45	Poor Too clayey Sodium content Low content of organic matter Carbonate content Water erosion	0.00 0.10 0.12 0.46 0.99	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.53 0.83	Poor Too Clayey Sodium content Carbonate content Depth to saturated zone Salinity	0.00 0.10 0.46 0.53 0.88
Harriet-----	30	Poor Sodium content Carbonate content Salinity Low content of organic matter Water erosion	0.00 0.46 0.88 0.88 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.75	Poor Depth to saturated zone Sodium content Salinity Carbonate content	0.00 0.00 0.00 0.46
Rn: Regan-----	82	Fair Carbonate content Water erosion	0.46 0.90	Poor Depth to saturated zone Shrink-swell	0.00 0.98	Poor Depth to saturated zone Hard to reclaim Carbonate content	0.00 0.92 0.92
Sp: Spottswood-----	85	Fair Low content of organic matter	0.12	Good		Poor Hard to reclaim	0.00

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Soil and Site Information

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
TaB: Tally-----	85	Fair Low content of organic matter Too sandy	0.12 0.18	Good		Fair Too sandy	0.18
TbB: Temvik-----	50	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Low strength Shrink-swell	0.22 0.98	Good	
Bryant-----	35	Fair Low content of organic matter	0.50	Poor Low strength Shrink-swell	0.00 0.87	Good	
TgB: Temvik-----	50	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Low strength Shrink-swell	0.22 0.98	Good	
Grassna-----	30	Good		Poor Low strength	0.00	Good	
TgC: Temvik-----	50	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Low strength Shrink-swell	0.22 0.98	Good	
Grassna-----	25	Good		Poor Low strength	0.00	Good	
Tn: Tonka-----	50	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.78	Poor Depth to saturated zone	0.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Nishon-----	40	Poor Too clayey	0.00	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
		Low content of organic matter	0.12	Shrink-swell	0.00	Too Clayey	0.00
		Water erosion	0.90	Low strength	0.00		
VdC: Vida-----	90	Poor Low content of organic matter	0.00	Fair Low strength	0.22	Fair Slope	0.96
				Shrink-swell	0.87		
VwC: Vida-----	45	Poor Low content of organic matter	0.00	Fair Low strength	0.22	Fair Slope	0.63
				Shrink-swell	0.87		
Williams-----	35	Fair Low content of organic matter	0.50	Poor Low strength	0.00	Fair Slope	0.63
		Water erosion	0.99	Shrink-swell	0.87		
VzE: Vida-----	45	Poor Low content of organic matter	0.00	Fair Low strength	0.22	Poor Slope	0.00
				Slope	0.50		
				Shrink-swell	0.87		
Zahill-----	30	Fair Low content of organic matter	0.12	Fair Low strength	0.22	Poor Slope	0.00
		Water erosion	0.99	Slope	0.50		
				Shrink-swell	0.87		
W: Water-----	100	Not rated		Not rated		Not rated	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
WaD: Wabek-----	90	Poor Droughty Low content of organic matter	0.00 0.50	Good		Poor Rock fragments Hard to reclaim  Slope	0.00 0.00  0.16
WbC: Bowdle-----	35	Fair Low content of organic matter	0.12	Good		Fair Hard to reclaim	0.82
Wabek-----	35	Poor Droughty Low content of organic matter	0.00 0.50	Good		Poor Rock fragments Hard to reclaim  Slope	0.00 0.00  0.63
WnB: Williams-----	65	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength  Shrink-swell	0.00 0.87	Good	
Bowbells-----	20	Fair Water erosion	0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
WnC: 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-----	20	Fair Water erosion	0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
WtA: Williams-----	50	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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		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	
Nishon-----	15	Poor Too clayey	0.00	Poor Depth to saturated zone Shrink-swell	0.00 0.00	Poor Depth to saturated zone Too Clayey	0.00 0.00
		Low content of organic matter	0.12	Low strength	0.00		
		Water erosion	0.90				
WtB: 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-----	20	Fair Water erosion	0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
WvC: Williams-----	45	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Bowbells-----	20	Fair Water erosion	0.99	Not Rated Shrink-swell	0.87	Good	

