

Section II
Soil and Site Information

Construction Materials Table 2
Campbell 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
1A: Bowbells-----	85	Fair Water erosion	0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
2: Grail-----	85	Poor Too clayey Water erosion	0.00 0.99	Poor Low strength Shrink-swell	0.00 0.43	Poor Too Clayey	0.00
4: Grassna-----	85	Good		Poor Low strength	0.00	Good	
5: Williams-----	45	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Noonan-----	30	Fair Low content of organic matter Sodium content Carbonate content Water erosion	0.12 0.22 0.92 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Sodium content Salinity Carbonate content	0.60 0.88 0.92
7A: Hamerly-----	85	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.80 0.99	Fair Low strength Shrink-swell Depth to saturated zone	0.22 0.89 0.91	Fair Depth to saturated zone Carbonate content	0.91 0.92
7B: Hamerly-----	90	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.80 0.99	Fair Low strength Shrink-swell Depth to saturated zone	0.22 0.89 0.91	Fair Depth to saturated zone Carbonate content	0.91 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
9C: Seroco-----	90	Poor Too sandy Wind erosion Low content of organic matter Droughty	0.00 0.00 0.12 0.43	Good		Poor Too sandy	0.00
9E: Seroco-----	45	Poor Too sandy Wind erosion Low content of organic matter Droughty	0.00 0.00 0.12 0.43	Fair Slope	0.92	Poor Too sandy Slope	0.00 0.00
Dune Land-----	35	Not rated		Not rated		Not rated	
10: Capa-----	85	Poor Too clayey Sodium content Low content of organic matter Salinity Water erosion	0.00 0.00 0.12 0.88 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey Sodium content Salinity	0.00 0.00 0.00
11: Capa-----	50	Poor Too clayey Sodium content Low content of organic matter Salinity Water erosion	0.00 0.00 0.12 0.88 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey Sodium content Salinity	0.00 0.00 0.00
Slickspots, Dry-----	35	Not rated		Not rated		Not rated	
13A: Tally-----	90	Fair Low content of organic matter	0.88	Good		Good	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
13B: Tally-----	85	Fair Low content of organic matter	0.88	Good		Good	
Tonka-----	3	Poor Too clayey	0.00	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
		Water erosion	0.90	Low strength	0.00	Too Clayey	0.00
				Shrink-swell	0.25		
13C: Tally-----	85	Fair Low content of organic matter	0.88	Good		Good	
15: Harriet-----	90	Poor Sodium content	0.00	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
		Low content of organic matter	0.12	Low strength	0.00	Salinity	0.00
		Carbonate content	0.46	Shrink-swell	0.83	Carbonate content	0.46
		Salinity	0.88			Too Clayey	0.55
		Too clayey	0.95			Sodium content	0.90
		Water erosion	0.99				
16: Egas-----	90	Fair Too clayey	0.12	Poor Low strength	0.00	Poor Salinity	0.00
		Low content of organic matter	0.50	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Salinity	0.50	Shrink-swell	0.12	Too Clayey	0.12
		Water erosion	0.99				
17: Hecla-----	85	Poor Too sandy	0.00	Good		Poor Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.50				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
18: Parshall-----	85	Fair Low content of organic matter	0.50	Good		Good	
19: Heil-----	95	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				
20D: Sully-----	85	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Low strength	0.22	Poor Slope	0.00
21A: Linton-----	40	Fair Low content of organic matter	0.50	Good		Good	
Grassna-----	35	Good		Poor Low strength	0.00	Good	
21B: Linton-----	85	Fair Low content of organic matter	0.50	Good		Good	
21C: Linton-----	50	Fair Low content of organic matter	0.50	Good		Good	
Sutley-----	35	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.80 0.90	Good		Fair Carbonate content	0.80

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
21D: Sully-----	45	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Low strength Slope	0.22 0.92	Poor Slope	0.00
Zahl-----	40	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Shrink-swell Slope	0.00 0.87 0.92	Poor Slope	0.00
22B: Linton-----	45	Fair Low content of organic matter	0.50	Good		Good	
Sutley-----	30	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.80 0.90	Good		Fair Carbonate content	0.80
22C: Linton-----	85	Fair Low content of organic matter	0.50	Good		Good	
24A: Yecross-----	85	Poor Too sandy Wind erosion Low content of organic matter Droughty	0.00 0.00 0.12 0.82	Good		Poor Hard to reclaim Too sandy Rock fragments	0.00 0.00 0.97
24C: Yecross-----	85	Poor Too sandy Wind erosion Low content of organic matter Droughty	0.00 0.00 0.12 0.82	Good		Poor Hard to reclaim Too sandy Slope Rock fragments	0.00 0.00 0.63 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
27B: Maddock-----	90	Poor Too sandy Wind erosion Low content of organic matter Droughty	0.00 0.00 0.88 0.97	Good		Poor Too sandy	0.00
27C: Maddock-----	85	Poor Too sandy Wind erosion Low content of organic matter Droughty	0.00 0.00 0.88 0.97	Good		Poor Too sandy Slope	0.00 0.63
28: Wyndmere-----	90	Fair Carbonate content	0.68	Fair Depth to saturated zone	0.91	Fair Carbonate content Depth to saturated zone	0.68 0.91
29: Vallars-----	85	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.46 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.22 0.87	Poor Depth to saturated zone Carbonate content	0.00 0.46
30: Parnell-----	90	Poor Too clayey Water erosion	0.00 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.00	Poor Depth to saturated zone Too Clayey	0.00 0.00
31E: Lihen-----	85	Poor Too sandy Wind erosion Low content of organic matter Droughty	0.00 0.00 0.12 0.94	Fair Slope	0.98	Poor Too sandy Slope	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
32F: Flasher-----	90	Poor Too sandy Wind erosion Droughty Depth to bedrock Low content of organic matter	0.00 0.00 0.00 0.00 0.12	Poor Depth to bedrock Slope	0.00 0.00	Poor Slope Too sandy Depth to bedrock	0.00 0.00 0.00 0.00
34A: Bowdle-----	85	Fair Low content of organic matter	0.12	Good		Fair Hard to reclaim	0.82
34B: Bowdle-----	85	Fair Low content of organic matter	0.12	Good		Fair Hard to reclaim	0.82
36B: Lehr-----	55	Poor Too sandy Droughty Low content of organic matter	0.00 0.37 0.50	Good		Poor Too sandy Rock fragments Hard to reclaim	0.00 0.00 0.00
Wabek-----	35	Fair Droughty Low content of organic matter	0.02 0.50	Good		Poor Rock fragments Hard to reclaim	0.00 0.00
Bowbells-----	4	Fair Water erosion	0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
38: Parnell-----	90	Poor Too clayey Water erosion	0.00 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.00	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
39E: Sansarc-----	50	Poor Too clayey Droughty Depth to bedrock Low content of organic matter Water erosion	0.00 0.00 0.00 0.60 0.99	Poor Depth to bedrock Slope Low strength Shrink-swell	0.00 0.00 0.00 0.01	Poor Slope Too Clayey Depth to bedrock	0.00 0.00 0.00 0.00
Opal-----	35	Poor Too clayey Droughty Depth to bedrock Water erosion	0.00 0.03 0.58 0.99	Poor Depth to bedrock Shrink-swell Low strength Slope	0.00 0.00 0.00 0.50	Poor Slope Too Clayey Depth to bedrock	0.00 0.00 0.58
40B: Opal-----	90	Poor Too clayey Droughty Depth to bedrock Water erosion	0.00 0.03 0.58 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock	0.00 0.58
40C: Opal-----	85	Poor Too clayey Droughty Depth to bedrock Water erosion	0.00 0.03 0.58 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock	0.00 0.58
40D: Opal-----	55	Poor Too clayey Droughty Depth to bedrock Water erosion	0.00 0.03 0.58 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Slope Depth to bedrock	0.00 0.37 0.58
Sansarc-----	30	Poor Too clayey Droughty Depth to bedrock Low content of organic matter Water erosion	0.00 0.00 0.00 0.60 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.01	Poor Too Clayey Depth to bedrock Slope	0.00 0.00 0.63

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
41A: Promise-----	85	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00
41B: Promise-----	90	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00
41C: Promise-----	55	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00
Opal-----	35	Poor Too clayey Droughty Depth to bedrock Water erosion	0.00 0.03 0.58 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock	0.00 0.58
51: Tonka-----	85	Poor Too clayey Water erosion	0.00 0.90	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.25	Poor Depth to saturated zone Too Clayey	0.00 0.00
52A: Lehr-----	90	Poor Too sandy Droughty Low content of organic matter	0.00 0.37 0.50	Good		Poor Too sandy Rock fragments Hard to reclaim	0.00 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
52B: Lehr-----	85	Poor Too sandy Droughty Low content of organic matter	0.00 0.37 0.50	Good		Poor Too sandy Rock fragments Hard to reclaim	0.00 0.00 0.00
53D: Wabek-----	50	Fair Droughty Low content of organic matter	0.02 0.50	Good		Poor Rock fragments Hard to reclaim Slope	0.00 0.00 0.63
Lehr-----	40	Poor Too sandy Droughty Low content of organic matter	0.00 0.37 0.50	Good		Poor Too sandy Rock fragments Hard to reclaim	0.00 0.00 0.00
53E: Wabek-----	85	Fair Droughty Low content of organic matter	0.02 0.50	Fair Slope	0.92	Poor Rock fragments Hard to reclaim Slope	0.00 0.00 0.00
54: Divide-----	85	Fair Low content of organic matter Carbonate content	0.12 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
56: Regan-----	85	Fair Carbonate content Water erosion	0.46 0.90	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.22 0.87	Poor Depth to saturated zone Carbonate content	0.00 0.46

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
57A: 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-----	35	Fair Water erosion	0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
57B: 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-----	35	Fair Water erosion	0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
57C: 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-----	35	Fair Low content of organic matter Water erosion	0.12 0.99	Fair Low strength Shrink-swell	0.78 0.87	Good	
58B: 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-----	35	Fair Low content of organic matter Water erosion	0.12 0.99	Fair Low strength Shrink-swell	0.78 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
59D: Vida-----	55	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
Zahl-----	35	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Slope	0.37
61E: Zahl-----	45	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Slope Shrink-swell	0.00 0.50 0.87	Poor Slope	0.00
Vida-----	40	Fair Low content of organic matter Water erosion	0.12 0.99	Fair Slope Low strength Shrink-swell	0.50 0.78 0.87	Poor Slope	0.00
62: Vida-----	85	Fair Low content of organic matter Water erosion	0.12 0.99	Fair Low strength Shrink-swell	0.78 0.87	Fair Slope	0.96
65B: Bryant-----	55	Fair Low content of organic matter	0.50	Poor Low strength Shrink-swell	0.00 0.87	Good	
Sutley-----	30	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.80 0.90	Good		Fair Carbonate content	0.80

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
65C: Bryant-----	45	Fair Low content of organic matter	0.50	Poor Low strength Shrink-swell	0.00 0.87	Good	
Sutley-----	40	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.80 0.90	Good		Fair Carbonate content	0.80
65D: Sutley-----	45	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.80 0.90	Good		Fair Slope Carbonate content	0.37 0.80
Linton-----	40	Fair Low content of organic matter	0.50	Good		Fair Slope	0.37
66: Arveson-----	85	Fair Too sandy Carbonate content Low content of organic matter	0.50 0.80 0.88	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone Too sandy	0.00 0.50
67A: Farnuf-----	85	Fair Low content of organic matter	0.88	Poor Low strength Shrink-swell	0.00 0.87	Good	
67B: Farnuf-----	85	Fair Low content of organic matter	0.88	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
68A: Bryant-----	45	Fair Low content of organic matter	0.50	Poor Low strength Shrink-swell	0.00 0.87	Good	
Grassna-----	40	Good		Poor Low strength	0.00	Good	
68B: Bryant-----	90	Fair Low content of organic matter	0.50	Poor Low strength Shrink-swell	0.00 0.87	Good	
68C: Bryant-----	85	Fair Low content of organic matter	0.50	Poor Low strength Shrink-swell	0.00 0.87	Good	
71: Ranslo-----	55	Fair Low content of organic matter Carbonate content Too clayey Water erosion	0.12 0.46 0.76 0.99	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.17 0.53	Poor Sodium content Too Clayey Carbonate content Depth to saturated zone Salinity	0.00 0.44 0.46 0.53 0.88
Harriet-----	30	Poor Sodium content Low content of organic matter Carbonate content Salinity Too clayey Water erosion	0.00 0.12 0.46 0.88 0.95 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.83	Poor Depth to saturated zone Salinity Carbonate content Too Clayey Sodium content	0.00 0.00 0.46 0.55 0.90

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72: Straw-----	85	Fair Low content of organic matter	0.88	Good		Good	
74A: Savage-----	85	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.90	Poor Low strength Shrink-swell	0.00 0.12	Poor Too Clayey Salinity	0.00 0.50
74B: Savage-----	90	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.90	Poor Low strength Shrink-swell	0.00 0.12	Poor Too Clayey Salinity	0.00 0.50
77: Orthents, Gravelly--	99	Fair Low content of organic matter Droughty	0.12 0.29	Not Rated Slope	0.00	Poor Rock fragments Slope Hard to reclaim	0.00 0.00 0.18
80: Ranslo-----	90	Fair Low content of organic matter Carbonate content Too clayey Water erosion	0.12 0.46 0.76 0.99	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.17 0.53	Poor Sodium content Too Clayey Carbonate content Depth to saturated zone Salinity	0.00 0.44 0.46 0.53 0.88
W: Water-----	100	Not rated		Not rated		Not rated	

