

Section II
Soil and Site Information

Construction Materials Table 2
Lake County, South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

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: Badus-----	90	Fair Low content of organic matter Water erosion Too clayey	0.12 0.90 0.98	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.00 0.49	Poor Depth to saturated zone Too Clayey	0.00 0.89
Bc: Baltic-----	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
BGA: Beadle-----	85	Poor Too clayey Water erosion	0.00 0.99	Poor Low strength Shrink-swell	0.00 0.12	Poor Too Clayey	0.00
BdB: Beadle-----	90	Poor Too clayey Water erosion	0.00 0.99	Poor Low strength Shrink-swell	0.00 0.12	Poor Too Clayey	0.00
BdC: Beadle-----	90	Poor Too clayey Water erosion	0.00 0.99	Poor Low strength Shrink-swell	0.00 0.12	Poor Too Clayey	0.00
CaA: Clarno-----	90	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Salinity	0.88
CaB: Clarno-----	90	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Salinity	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
CaC: Clarno-----	85	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Salinity	0.88
CeB: Clarno-----	60	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Salinity	0.88
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
CeC: Clarno-----	55	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Salinity	0.88
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
CeD: Clarno-----	50	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Slope Salinity	0.16 0.88
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 Slope Carbonate content	0.16 0.97

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Da: Davis-----	90	Good		Poor Low strength Shrink-swell	0.00 0.99	Good	
DeB: Delmont-----	50	Poor Too sandy Low content of organic matter Droughty	0.00 0.12 0.78	Good		Poor Too sandy Rock fragments Hard to reclaim	0.00 0.00 0.32
Talmo-----	35	Fair Low content of organic matter Droughty Too sandy	0.12 0.24 0.30	Good		Poor Rock fragments Hard to reclaim Too sandy	0.00 0.00 0.30
DeC: Delmont-----	45	Poor Too sandy Low content of organic matter Droughty	0.00 0.12 0.78	Good		Poor Too sandy Rock fragments Hard to reclaim	0.00 0.00 0.32
Talmo-----	35	Fair Low content of organic matter Droughty Too sandy	0.12 0.24 0.30	Good		Poor Rock fragments Hard to reclaim Too sandy	0.00 0.00 0.30
DmA: Dempster-----	85	Fair Low content of organic matter	0.12	Fair		Fair Hard to reclaim	0.02
DmB: Dempster-----	85	Fair Low content of organic matter	0.12	Fair		Fair Hard to reclaim	0.02

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
DpC: Dempster-----	60	Fair Low content of organic matter	0.12	Fair		Fair Hard to reclaim	0.02
Delmont-----	25	Poor Too sandy Low content of organic matter Droughty	0.00 0.12 0.78	Good		Poor Too sandy Rock fragments Hard to reclaim	0.00 0.00 0.32
EaC: Egan-----	80	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
EbA: Egan-----	60	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
Beadle-----	30	Poor Too clayey Water erosion	0.00 0.99	Poor Low strength Shrink-swell	0.00 0.12	Poor Too Clayey	0.00
EbB: Egan-----	60	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
Beadle-----	30	Poor Too clayey Water erosion	0.00 0.99	Poor Low strength Shrink-swell	0.00 0.12	Poor Too Clayey	0.00
EbC: Egan-----	55	Fair Low content of organic matter Water erosion	0.12 0.90	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
Beadle-----	35	Poor Too clayey Water erosion	0.00 0.99	Poor Low strength Shrink-swell	0.00 0.12	Poor Too Clayey	0.00
EeB: Egan-----	50	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
Ethan-----	40	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
EeC2: Egan-----	45	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
Ethan-----	40	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
EgA: Egan-----	60	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
Viborg-----	30	Fair Water erosion	0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
EhB: Egan-----	50	Fair Low content of organic matter Water erosion	0.12 0.90	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
Wentworth-----	30	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
EnA: Enet-----	90	Poor Too sandy Low content of organic matter	0.00 0.12	Good		Poor Too sandy Rock fragments Hard to reclaim	0.00 0.00 0.82
EOF: Ethan-----	45	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
Betts-----	35	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.92 0.99	Poor Slope Low strength Shrink-swell	0.00 0.00 0.87	Poor Slope Carbonate content	0.00 0.92
ErE: Ethan-----	60	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Poor Low strength Slope Shrink-swell	0.00 0.68 0.87	Poor Slope Carbonate content	0.00 0.97
Clarno-----	20	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Slope Shrink-swell	0.00 0.68 0.87	Poor Slope Salinity	0.00 0.88
EsE: Ethan-----	50	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Poor Low strength Shrink-swell Slope	0.00 0.87 0.98	Poor Slope Carbonate content	0.00 0.97

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Clarno-----	30	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Shrink-swell Slope	0.00 0.87 0.98	Poor Slope Salinity	0.00 0.88
EtD: 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	Fair Slope Carbonate content	0.37 0.97
Davis-----	25	Good		Poor Low strength Shrink-swell	0.00 0.99	Fair Slope	0.96
Gp: Orthents, Gravelly--	90	Fair Low content of organic matter Too sandy Droughty	0.12 0.14 0.29	Good		Poor Rock fragments Too sandy Hard to reclaim	0.00 0.14 0.18
Gr: Graceville-----	90	Fair Too clayey	0.99	Poor Low strength Shrink-swell	0.00 0.93	Fair Too Clayey	0.99
HeA: Henkin-----	90	Fair Low content of organic matter	0.50	Good		Good	
HeB: Henkin-----	90	Fair Low content of organic matter	0.50	Good		Good	
HkB: Houdek-----	80	Fair Low content of organic matter Water erosion	0.12 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
HpA: Houdek-----	50	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Prosper-----	35	Fair Low content of organic matter Too clayey Water erosion	0.12 0.98 0.99	Poor Low strength Shrink-swell	0.00 0.89	Fair Too Clayey	0.93
La: Lamo-----	85	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
M-W: Miscellaneous Water-	100	Not rated		Not rated		Not rated	
Mar: Worthing-----	95	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
MnB: Moody-----	50	Fair Water erosion	0.90	Poor Low strength Shrink-swell	0.00 0.94	Good	
Nora-----	30	Fair Low content of organic matter Water erosion	0.50 0.90	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
MtA: Moody-----	55	Fair Water erosion	0.90	Poor Low strength Shrink-swell	0.00 0.94	Good	
Trent-----	35	Fair Water erosion Too clayey	0.90 0.98	Poor Low strength Shrink-swell	0.00 0.87	Fair Too Clayey	0.89
NcC: Nora-----	50	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
Crofton-----	30	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength	0.00	Good	
PrA: Prosper-----	85	Fair Low content of organic matter Too clayey Water erosion	0.12 0.98 0.99	Poor Low strength Shrink-swell	0.00 0.89	Fair Too Clayey	0.93
Ra: Rauville-----	85	Fair Too clayey	0.98	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.87	Poor Depth to saturated zone Too Clayey	0.00 0.98
Sa: Minnewaukan-----	90	Poor Wind erosion Too sandy Low content of organic matter Droughty	0.00 0.16 0.50 0.69	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone Too sandy Rock fragments	0.00 0.16 0.88

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
ScA: Huntimer-----	90	Poor Too clayey Low content of organic matter Water erosion	0.00 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.12	Poor Too Clayey	0.00
SdB: Huntimer-----	85	Poor Too clayey Low content of organic matter Water erosion	0.00 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.12	Poor Too Clayey	0.00
StA: Stickney-----	60	Poor Too clayey Salinity Water erosion	0.00 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.41	Poor Too Clayey Salinity	0.00 0.00
Tetonka-----	20	Fair Water erosion	0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.28	Poor Depth to saturated zone	0.00
TdE: Talmo-----	45	Fair Low content of organic matter Droughty Too sandy	0.12 0.24 0.30	Good		Poor Rock fragments Hard to reclaim Slope Too sandy	0.00 0.00 0.04 0.30
Delmont-----	35	Poor Too sandy Low content of organic matter Droughty	0.00 0.12 0.78	Good		Poor Too sandy Rock fragments Slope Hard to reclaim	0.00 0.00 0.04 0.32

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Te: Tetonka-----	90	Fair Water erosion	0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.28	Poor Depth to saturated zone	0.00
VbA: Viborg-----	85	Fair Water erosion	0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
VgB: Viborg-----	50	Fair Water erosion	0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Egan-----	30	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
Vo: Arlo-----	85	Fair Low content of organic matter Carbonate content	0.12 0.68	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone Rock fragments Hard to reclaim	0.00 0.00 0.82
W: Water-----	100	Not rated		Not rated		Not rated	
WeA: Wentworth-----	55	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
Egan-----	35	Fair Low content of organic matter Water erosion	0.12 0.90	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
Wh: Whitewood-----	80	Fair Water erosion	0.90	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.00 0.87	Poor Depth to saturated zone	0.00
Wo: 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

