

Section II
Soil and Site Information

Construction Materials Table 2
Jones 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
Ab: Albaton-----	90	Poor Too clayey Carbonate content Water erosion	0.00 0.99 0.99	Poor Depth to saturated zone Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to saturated zone Carbonate content	0.00 0.00 0.99
Bb: Bigbend-----	95	Fair Low content of organic matter Water erosion Sodium content	0.50 0.90 0.97	Good		Fair Sodium content	0.98
Bf: Bigbend-----	95	Fair Low content of organic matter Water erosion Sodium content	0.50 0.90 0.97	Good		Fair Sodium content	0.98
Bg: Bigbend-----	95	Fair Low content of organic matter Water erosion Sodium content	0.50 0.90 0.97	Good		Fair Sodium content	0.98
Bh: Bigbend-----	95	Fair Low content of organic matter Water erosion Sodium content	0.50 0.90 0.97	Good		Fair Sodium content	0.98
Bi: Bigbend-----	50	Fair Low content of organic matter Water erosion Sodium content	0.50 0.90 0.97	Good		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
Inavale-----	40	Poor Too sandy Wind erosion Low content of organic matter Droughty	0.00 0.00 0.12 0.79	Good		Poor Too sandy	0.00
Bu: Bullcreek-----	90	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
Bx: Bullcreek-----	60	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-----	30	Not rated		Not rated		Not rated	
CpA: Capa-----	90	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
Hb: Herdcamp-----	60	Poor Too clayey	0.00	Poor Depth to saturated zone Shrink-swell Low strength	0.00 0.00 0.00	Poor Depth to saturated zone Too Clayey Salinity	0.00 0.00 0.88

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Bullcreek-----	35	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
Hg: Hilmoe-----	95	Poor Too clayey Low content of organic matter Water erosion	0.00 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.43	Poor Too Clayey	0.00
Hm: Hilmoe-----	90	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.99	Poor Shrink-swell	0.00	Poor Too Clayey	0.00
Hn: Hilmoe-----	50	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.99	Poor Shrink-swell	0.00	Poor Too Clayey	0.00
Inavale-----	40	Poor Too sandy Wind erosion Low content of organic matter Droughty	0.00 0.00 0.12 0.79	Good		Poor Too sandy	0.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ho: Hoven-----	95	Poor Too clayey Sodium content Low content of organic matter Salinity Water erosion	0.00 0.00 0.50 0.88 0.99	Poor Depth to saturated zone Shrink-swell Low strength	0.00 0.00 0.00	Poor Depth to saturated zone Too Clayey Sodium content Salinity	0.00 0.00 0.00 0.00
In: Inavale-----	90	Poor Too sandy Wind erosion Low content of organic matter Droughty	0.00 0.00 0.12 0.79	Good		Poor Too sandy	0.00
KeA: Kirley-----	95	Fair Too clayey Low content of organic matter Water erosion	0.05 0.12 0.99	Fair Shrink-swell	0.39	Fair Too Clayey	0.03
KeB: Kirley-----	95	Fair Too clayey Low content of organic matter Water erosion	0.05 0.12 0.99	Fair Shrink-swell	0.39	Fair Too Clayey	0.03
KeC: Kirley-----	90	Fair Too clayey Low content of organic matter Water erosion	0.05 0.12 0.99	Fair Shrink-swell	0.39	Fair Too Clayey	0.03

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
KeD: Kirley-----	90	Fair Too clayey Low content of organic matter Water erosion	0.05 0.12 0.99	Fair Shrink-swell	0.39	Fair Too Clayey Slope	0.03 0.37
KmB: Kirley-----	60	Fair Too clayey Low content of organic matter Water erosion	0.05 0.12 0.99	Fair Shrink-swell	0.39	Fair Too Clayey	0.03
Mosher-----	30	Poor Sodium content Too clayey 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 Sodium content Too Clayey	0.00 0.00
KnB: Kirley-----	55	Fair Too clayey Low content of organic matter Water erosion	0.05 0.12 0.99	Fair Shrink-swell	0.39	Fair Too Clayey	0.03
Vivian-----	35	Fair Low content of organic matter Droughty	0.12 0.60	Fair Depth to bedrock	0.58	Poor Hard to reclaim Rock fragments	0.00 0.00
KnC: Kirley-----	50	Fair Too clayey Low content of organic matter Water erosion	0.05 0.12 0.99	Fair Shrink-swell	0.39	Fair Too Clayey	0.03

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Vivian-----	40	Fair Low content of organic matter Droughty	0.12 0.60	Fair Depth to bedrock	0.58	Poor Hard to reclaim Rock fragments	0.00 0.00
KnD: Kirley-----	55	Fair Too clayey Low content of organic matter Water erosion	0.05 0.12 0.99	Fair Shrink-swell	0.39	Fair Too Clayey Slope	0.03 0.37
Vivian-----	30	Fair Low content of organic matter Droughty	0.12 0.60	Fair Depth to bedrock Slope	0.58 0.92	Poor Hard to reclaim Rock fragments Slope	0.00 0.00 0.00
Ko: Kolls-----	95	Poor Too clayey Water erosion	0.00 0.99	Poor Shrink-swell Low strength Depth to saturated zone	0.00 0.00 0.00	Poor Too Clayey Depth to saturated zone	0.00 0.00
Kp: Kolls-----	95	Poor Too clayey Water erosion	0.00 0.99	Poor Depth to saturated zone Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to saturated zone	0.00 0.00
LaB: Lakoma-----	95	Poor Too clayey Droughty Depth to bedrock Carbonate content Water erosion	0.00 0.00 0.58 0.80 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock Carbonate content	0.00 0.58 0.80

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
LaC: Lakoma-----	85	Poor Too clayey Droughty Depth to bedrock Carbonate content Water erosion	0.00 0.00 0.58 0.80 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock Carbonate content	0.00 0.58 0.80
LaD: Lakoma-----	80	Poor Too clayey Droughty Depth to bedrock Carbonate content Water erosion	0.00 0.00 0.58 0.80 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Slope Depth to bedrock Carbonate content	0.00 0.37 0.58 0.80
LkC: Lakoma-----	65	Poor Too clayey Droughty Depth to bedrock Carbonate content Water erosion	0.00 0.00 0.58 0.80 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock Carbonate content	0.00 0.58 0.80
Kirley-----	30	Fair Too clayey Low content of organic matter Water erosion	0.05 0.12 0.99	Fair Shrink-swell	0.39	Fair Too Clayey	0.03
LvE: Lakoma-----	55	Poor Too clayey Droughty Depth to bedrock Carbonate content Water erosion	0.00 0.00 0.58 0.80 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Slope Depth to bedrock Carbonate content	0.00 0.37 0.58 0.80
Vivian-----	25	Fair Low content of organic matter Droughty	0.12 0.60	Fair Depth to bedrock Slope	0.58 0.92	Poor Hard to reclaim Rock fragments Slope	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
MLA: Millboro-----	95	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
MLB: Millboro-----	95	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
MLC: Millboro-----	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
Mo: Mosher-----	90	Poor Sodium content Too clayey 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 Sodium content Too Clayey	0.00 0.00
Mp: Mosher-----	65	Poor Sodium content Too clayey 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 Sodium content 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
Capa-----	25	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
Nb: Nimbro-----	95	Fair Low content of organic matter	0.50	Poor Low strength Shrink-swell	0.00 0.87	Good	
Nc: Nimbro-----	95	Fair Low content of organic matter	0.50	Poor Low strength Shrink-swell	0.00 0.87	Good	
OaF: Okaton-----	90	Poor Too clayey Droughty Depth to bedrock Water erosion	0.00 0.00 0.00 0.99	Poor Depth to bedrock Slope Shrink-swell Low strength	0.00 0.00 0.00 0.00	Poor Slope Too Clayey Depth to bedrock	0.00 0.00 0.00
ObE: Okaton-----	50	Poor Too clayey Droughty Depth to bedrock Water erosion	0.00 0.00 0.00 0.99	Poor Depth to bedrock Shrink-swell Low strength Slope	0.00 0.00 0.00 0.00	Poor Slope Too Clayey Depth to bedrock	0.00 0.00 0.00
Lakoma-----	40	Poor Too clayey Droughty Depth to bedrock Carbonate content Water erosion	0.00 0.00 0.58 0.80 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 Carbonate content	0.00 0.00 0.58 0.80

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
OkE: Okaton-----	45	Poor Too clayey Droughty Depth to bedrock Water erosion	0.00 0.00 0.00 0.99	Poor Depth to bedrock Shrink-swell Low strength Slope	0.00 0.00 0.00 0.00	Poor Too Clayey Depth to bedrock Slope	0.00 0.00 0.00
Bullcreek-----	20	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
Wendte-----	20	Poor Too clayey Water erosion	0.00 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00
OlB: Opal-----	95	Poor Too clayey Droughty Depth to bedrock Water erosion	0.00 0.07 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
OlC: Opal-----	95	Poor Too clayey Droughty Depth to bedrock Water erosion	0.00 0.07 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
Old: Opal-----	85	Poor Too clayey Droughty Depth to bedrock Water erosion	0.00 0.07 0.58 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock Slope	0.00 0.58 0.63

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
OpA: Opal-----	95	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
OpB: Opal-----	95	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
OpC: Opal-----	95	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
OpD: 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 Slope	0.00 0.58 0.63
Ot: Orthents, Gravelly--	95	Poor Droughty Depth to bedrock	0.00 0.00	Poor Depth to bedrock Low strength Slope Shrink-swell	0.00 0.00 0.00 0.87	Poor Depth to bedrock Rock fragments Slope	0.00 0.00 0.00
PrA: Promise-----	90	Poor Too clayey Water erosion	0.00 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00
PrB: Promise-----	90	Poor Too clayey Water erosion	0.00 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00

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PrC: Promise-----	90	Poor Too clayey Water erosion	0.00 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00
PsA: Promise-----	50	Poor Too clayey Water erosion	0.00 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00
Bullcreek-----	35	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
PtA: Promise-----	45	Poor Too clayey Water erosion	0.00 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00
Bullcreek-----	35	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
Kolls-----	15	Poor Too clayey Water erosion	0.00 0.99	Poor Shrink-swell Low strength Depth to saturated zone	0.00 0.00 0.00	Poor Too Clayey Depth to saturated zone	0.00 0.00
Pu: Promise-----	60	Poor Too clayey Water erosion	0.00 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Capa-----	30	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
ReA: Ree-----	95	Fair Low content of organic matter	0.12	Good		Good	
ReB: Ree-----	90	Fair Low content of organic matter	0.12	Good		Good	
ReC: Ree-----	90	Fair Low content of organic matter	0.12	Good		Good	
SaE: Sansarc-----	90	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 Shrink-swell Low strength Slope	0.00 0.00 0.00 0.00	Poor Slope Too Clayey Depth to bedrock	0.00 0.00 0.00
SoE: Sansarc-----	55	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 Shrink-swell Low strength Slope	0.00 0.00 0.00 0.00	Poor Slope Too Clayey Depth to bedrock	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
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 0.92	Poor Too Clayey Slope Depth to bedrock	0.00 0.00 0.58
SrE: Sansarc-----	55	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 Shrink-swell Low strength Slope	0.00 0.00 0.00 0.00	Poor Slope Too Clayey Depth to bedrock	0.00 0.00 0.00
Rock Outcrop, Soft--	35	Not rated		Not rated		Not rated	
SvE: Sansarc-----	60	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 Shrink-swell Low strength Slope	0.00 0.00 0.00 0.00	Poor Slope Too Clayey Depth to bedrock	0.00 0.00 0.00
Vivian-----	30	Fair Low content of organic matter Droughty	0.12 0.60	Poor Slope Depth to bedrock	0.00 0.58	Poor Hard to reclaim Rock fragments Slope	0.00 0.00 0.00
W: Water-----	100	Not rated		Not rated		Not rated	
Wc: Wendte-----	90	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00

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Construction Materials Table 2
Jones 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
Wd: Wendte-----	90	Poor Too clayey Water erosion	0.00 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00
Wt: Witten-----	95	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00

