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Areas dominated by well drained and somewhat excessively drained, gently sloping to very steep soils in the Black Hills

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# **Index to Soil Map Units**

AaB Alice fine sandy loam, 0 to 6 percent slopes

Ba Barnum silt loam  
 Bb Barnum silt loam, channeled  
 BcA Boneek silt loam, 0 to 2 percent slopes  
 BcB Boneek silt loam, 2 to 6 percent slopes  
 BcC Boneek silt loam, 6 to 9 percent slopes  
 BDE Buska–Rock outcrop association, hilly  
 BeE Butche stony loam, 6 to 50 percent slopes  
 BhE Butche–Rock outcrop complex, 25 to 50 percent slopes  
 BkD Butche–Satanta loams, 6 to 25 percent slopes  
 CaD Canyon–Bridget complex, 6 to 25 percent slopes  
 CaE Canyon–Bridget complex, 9 to 50 percent slopes  
 CBE Citadel association, hilly  
 Cc Dumps, mine  
 EaD Enning–Minnequa silty clay loams, 6 to 25 percent slopes  
 GaD Glenberg Variant fine sandy loam  
 GBE Grizzly–Virkula association, steep  
 GcD Grummit–Rock outcrop complex, 3 to 20 percent slopes  
 GdE Grummit–Rock outcrop complex, 15 to 50 percent slopes  
 GeD Gypnevee–Rekop loams, 6 to 25 percent  
 Ha Higgins silt loam  
 HBF Hisega–Rock outcrop association, steep  
 HcA Hisle silt loam, 0 to 3 percent slopes  
 HdA Hisle–Slickspots complex, 0 to 3 percent  
 KaA Kyle clay, 0 to 2 percent slopes  
 KaB Kyle clay, 2 to 6 percent slopes  
 LaE Lakoa silt loam, 25 to 50 percent slopes  
 MaC Maitland loam, 2 to 9 percent slopes  
 MaD Maitland loam, 9 to 50 percent slopes  
 MBE Marshdale–Maitland association, sloping  
 McD Midway–Razor silty clay loams, 6 to 25 percent slopes  
 NaB Nevee silt loam, 2 to 6 percent slopes  
 NaC Nevee silt loam, 6 to 9 percent slopes  
 NbD Nevee–Spearfish–Rock outcrop complex, 9 to 40 percent slopes  
 NcD Nihill gravelly loam, 6 to 25 percent slopes  
 NdA Nunn clay loam, 0 to 2 percent slopes  
 NdB Nunn clay loam, 2 to 6 percent slopes  
 NdC Nunn clay loam, 6 to 9 percent slopes  
 PAE Pactola–Rock outcrop association, hilly  
 PbE Paunsaugunt–Rock outcrop complex, 6 to 50 percent slopes  
 PcB Pierre clay, 2 to 6 percent slopes  
 PcD Pierre clay, 6 to 25 percent slopes  
 Pe Pits, quarry  
 RaE Rekop–Gypnevee–Rock outcrop complex, 15 to 50 percent slopes  
 RBF Rock outcrop–Pactola association, steep  
 RCF Rock outcrop–Vanocker association, very steep  
 SaA Satanta loam, 0 to 2 percent slopes  
 SaB Satanta loam, 2 to 6 percent slopes  
 SaC Satanta loam, 6 to 9 percent slopes  
 SbA Savo silt loam, 0 to 2 percent slopes  
 SbB Savo silt loam, 2 to 6 percent slopes  
 ScD Snomo–Rock outcrop complex, 6 to 25 percent slopes  
 Sd Stetter Variant silty clay loam  
 SEE Stovho association, rolling  
 SGF Stovho–Trebor association, steep  
 ShA St. Onge loam, 0 to 2 percent slopes  
 Sk Swint silt loam

TaA Tilford silt loam, 0 to 2 percent slopes  
TaB Tilford silt loam, 2 to 6 percent slopes  
TaC Tilford silt loam, 6 to 9 percent slopes  
TBE Trebor–Rock outcrop association, hilly  
VaA Vale silt loam, 0 to 2 percent slopes  
VaB Vale silt loam, 2 to 6 percent slopes  
VaC Vale silt loam, 6 to 9 percent slopes  
VBF VanockerCitadel association, steep  
VCE Virkula association, hilly  
WaA Weber loam, 0 to 2 percent slopes  
Wb Winetti cobbly loam

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TABLE 22. CLASSIFICATION OF THE SOILS

Soil name	Family or higher taxonomic class
Alice	Coarse loamy, mixed, mesic Aridic Haplustolls
Barnum	Fine loamy, mixed (calcareous), mesic Ustic Torrifluvents
Boneek	Fine, montmorillonitic, mesic Aridic Argiustolls
Bridget	Coarse silty, mixed, mesic Torriorthentic Haplustolls
Buska	Loamy skeletal, micaceous Typic Eutroboralfs
Butche	Loamy, mixed, nonacid, mesic Lithic Ustic Torriorthents
Canyon	Loamy, mixed (calcareous), mesic, shallow Ustic Torriorthents
Citadel	Fine, montmorillonitic Typic Eutroboralfs
Enning	Loamy, carbonatic, mesic, shallow Ustic Torriorthents
Glenberg Variant	Coarse loamy, mixed, nonacid, mesic Ustic Torrifluvents
Grizzly	Loamy skeletal, mixed Typic Eutroboralfs
Grummit	Clayey, montmorillonitic, acid, mesic, shallow Ustic Torriorthents
Gypnevee	Coarse silty, gypsic, mesic Ustic Torriorthents
Higgins	Coarse silty, gypsic, mesic Typic Haplaquepts
Hisega	Loamy skeletal, micaceous, frigid Dystric Eutrochrepts
Hisle	Fine, montmorillonitic, mesic Ustollic Natrargids
Kyle	Very fine, montmorillonitic, mesic Ustertic Camborthids
Lakoa	Fine loamy, mixed Typic Eutroboralfs
Maitland	Fine loamy, mixed Mollic Eutroboralfs
Marshdale	Fine loamy, mixed, frigid Cumulic Haplaquolls
Midway	Clayey, montmorillonitic (calcareous), mesic, shallow Ustic Torriorthents
Minnequa	Fine silty, mixed (calcareous), mesic Ustic Torriorthents
Nevee	Coarse silty, mixed (calcareous), mesic Ustic Torriorthents
Nihill	Loamy skeletal, mixed (calcareous), mesic Ustic Torriorthents
Nunn	Fine, montmorillonitic, mesic Aridic Argiustolls
Pactola	Loamy skeletal, mixed Typic Eutroboralfs
Paunsaugunt	Loamy skeletal, mixed Lithic Haploborolls
Pierre	Very fine, montmorillonitic, mesic Ustertic Camborthids
Razor	Fine, montmorillonitic, mesic Ustollic Camborthids
Rekop	Loamy, gypsic, mesic, shallow Ustic Torriorthents
Satanta	Fine loamy, mixed, mesic Aridic Argiustolls
Savo	Fine, montmorillonitic, mesic Aridic Argiustolls
Snomo	Very fine, montmorillonitic, mesic Ustollic Camborthids
Spearfish	Loamy, mixed, (calcareous), mesic, shallow Ustic Torriorthents
St. Onge	Fine loamy, mixed, mesic Cumulic Haplustolls
Stetter Variant	Fine, montmorillonitic, nonacid, mesic Ustertic Torrifluvents
Stovho	Fine, montmorillonitic Mollic Cryoboralfs
Swint	Fine loamy, mixed, mesic Fluventic Haplustolls
Tilford	Fine silty, mixed, mesic Torriorthentic Haplustolls
Trebor	Loamy skeletal, mixed Typic Cryoboralfs
Vale	Fine silty, mixed, mesic Aridic Argiustolls
Vanocker	Loamy skeletal, mixed, frigid Typic Eutrochrepts
Virkula	Fine, montmorillonitic Typic Eutroboralfs
Weber	Fine silty over sandy or sandy skeletal, mixed, mesic Aridic Argiustolls
Winetti	Loamy skeletal, mixed (calcareous), frigid Typic Ustifluvents