

Lawrence County, South Dakota
Nontechnical Soil Descriptions

AaB - Alice Fine Sandy Loam, 0 To 6 Percent Slopes

AaB ALICE FINE SANDY LOAM, 0 TO 6 PERCENT SLOPES - The Alice series consists of very deep, well drained, moderately rapidly permeable soils on stream terraces and terrace breaks. They formed in moderately coarse textured alluvium and windblown material. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

Ba - Barnum Silt Loam

Ba BARNUM SILT LOAM - The Barnum series consists of deep, well drained soils formed in calcareous alluvium from redbeds sediments. Barnum soils are on recent flood plains and alluvial terraces. This soil has moderate available water capacity and moderate organic matter content. Flooding is OCCAS.

Bb - Barnum Silt Loam, Channeled

Bb BARNUM SILT LOAM, CHANNELED - The Barnum series consists of deep, well drained soils formed in calcareous alluvium from redbeds sediments. Barnum soils are on recent flood plains and alluvial terraces. This soil has moderate available water capacity and moderate organic matter content. Flooding is OCCAS.

BcA - Boneek Silt Loam, 0 To 2 Percent Slopes

BcA BONEEK SILT LOAM, 0 TO 2 PERCENT SLOPES - The Boneek series consists of deep, well drained soils formed in silty sediments underlain by sandstone or siltstone. Permeability is moderately slow in the solum and moderate in the underlying material. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

BcB - Boneek Silt Loam, 2 To 6 Percent Slopes

BcB BONEEK SILT LOAM, 2 TO 6 PERCENT SLOPES - The Boneek series consists of deep, well drained soils formed in silty sediments underlain by sandstone or siltstone. Permeability is moderately slow in the solum and moderate in the underlying material. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

BcC - Boneek Silt Loam, 6 To 9 Percent Slopes

BcC BONEEK SILT LOAM, 6 TO 9 PERCENT SLOPES - The Boneek series consists of deep, well drained soils formed in silty sediments underlain by sandstone or siltstone. Permeability is moderately slow in the solum and moderate in the underlying material. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

BdE - Buska-Rock Outcrop Association, Hilly

BdE BUSKA-ROCK OUTCROP ASSOCIATION, HILLY - The Buska series consists of deep, well drained soils formed in residuum from micaceous metamorphic rocks on mountains. They have moderate permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

BdE BUSKA-ROCK OUTCROP ASSOCIATION, HILLY - Rock outcrop consists of granite, quartzite, and metamorphic rock so hard that it cannot be ripped, slaked or dug. This soil has very low available water capacity and very low organic matter content. Flooding is NONE.

BeE - Butche Stony Loam, 6 To 50 Percent Slopes

BeE BUTCHE STONY LOAM, 6 TO 50 PERCENT SLOPES - The Butche series consists of shallow, well drained to excessively drained soils formed in loamy materials weathered from sandstone. Permeability is moderate or moderately rapid. This soil has very low available water capacity and moderate organic matter content. Flooding is NONE.

BhE - Butche-Rock Outcrop Complex, 25 To 50 Percent Slopes

BhE BUTCHE-ROCK OUTCROP COMPLEX, 25 TO 50 PERCENT SLOPES - The Butche series consists of shallow, well drained to excessively drained soils formed in loamy materials weathered from sandstone. Permeability is moderate or moderately rapid. This soil has very low available water capacity and moderate organic matter content. Flooding is NONE.

BhE BUTCHE-ROCK OUTCROP COMPLEX, 25 TO 50 PERCENT SLOPES - Rock outcrop, sandy, consists of limestone and sandstone that is very difficult to rip. This soil has very low available water capacity and very low organic matter content. Flooding is NONE.

BkD - Butche-Satanta Loams, 6 To 25 Percent Slopes

BkD BUTCHE-SATANTA LOAMS, 6 TO 25 PERCENT SLOPES - The Butche series consists of shallow, well drained to excessively drained soils formed in loamy materials weathered from sandstone. Permeability is moderate or moderately rapid. This soil has very low available water capacity and moderate organic matter content. Flooding is NONE.

BkD BUTCHE-SATANTA LOAMS, 6 TO 25 PERCENT SLOPES - The Satanta series consists of very deep, well drained, moderately permeable soils that formed in loamy eolian material or loamy alluvium that has been partially reworked by wind. These soils are on uplands or high stream terraces. This soil has high available water capacity and low organic matter content. Flooding is NONE.

Lawrence County, South Dakota
Non Technical Soil Descriptions--Continued

CaD - Canyon-Bridget Complex, 6 To 25 Percent Slopes

CaD CANYON-BRIDGET COMPLEX, 6 TO 25 PERCENT SLOPES - The Canyon series consists of well drained and somewhat excessively drained soils that are shallow to weakly cemented limestone or very fine grain sandstone. These soils formed in loamy, calcareous residuum on uplands. Permeability is moderate. This soil has very low available water capacity and low organic matter content. Flooding is NONE.

CaD CANYON-BRIDGET COMPLEX, 6 TO 25 PERCENT SLOPES - The Bridget series consists of very deep, well drained soils formed in loamy sediments on foot slopes, stream terraces and alluvial fans. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

CaE - Canyon-Bridget Complex, 9 To 50 Percent Slopes

CaE CANYON-BRIDGET COMPLEX, 9 TO 50 PERCENT SLOPES - The Canyon series consists of well drained and somewhat excessively drained soils that are shallow to weakly cemented limestone or very fine grain sandstone. These soils formed in loamy, calcareous residuum on uplands. Permeability is moderate. This soil has very low available water capacity and low organic matter content. Flooding is NONE.

CaE CANYON-BRIDGET COMPLEX, 9 TO 50 PERCENT SLOPES - The Bridget series consists of very deep, well drained soils formed in loamy sediments on foot slopes, stream terraces and alluvial fans. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

CbE - Citadel Association, Hilly

CbE CITADEL ASSOCIATION, HILLY - The Citadel series consists of deep, well drained soils formed in residuum and local alluvium from calcareous sandstone, limestone, and soft shale on mountains. They have moderately slow or slow permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

Cc - Dumps, Mine

Cc DUMPS, MINE - Orthents, tailings, consist of areas of eroded deposits of disturbed soil and waste materials from coal and other mines. Included in these areas are spoil piles and open mine excavations. This soil has moderate available water capacity and very low organic matter content. Flooding is NONE.

EaD - Enning-Minnequa Silty Clay Loams, 6 To 25 Percent Slopes

EaD ENNING-MINNEQUA SILTY CLAY LOAMS, 6 TO 25 PERCENT SLOPES - The Enning series consists of shallow, well or somewhat excessively drained soils formed in silty residuum of soft chalky shale and limestone on uplands. Permeability is moderate. This soil has very low available water capacity and moderate organic matter content. Flooding is NONE.

EaD ENNING-MINNEQUA SILTY CLAY LOAMS, 6 TO 25 PERCENT SLOPES - The Minnequa series consists of moderately deep, well drained, moderate to slowly permeable soils that formed in medium to moderately fine textured, calcareous material weathered from chalk, marl, limestone, and limy sedimentary rocks. Minnequa soils are on hills, ridges, and side slopes and have slopes of 0 to 30 percent. This soil has low available water capacity and low organic matter content. Flooding is NONE.

GaD - Glenberg Variant Fine Sandy Loam

GaD GLENBERG VARIANT FINE SANDY LOAM - This soil has moderate available water capacity and moderate organic matter content. Flooding is FREQ.

GbE - Grizzly-Virkula Association, Steep

GbE GRIZZLY-VIRKULA ASSOCIATION, STEEP - The Grizzly series consists of deep, well drained soils formed in residuum from igneous and metamorphic materials on mountains. They have moderately slow or slow permeability in the solum and moderate or moderately slow permeability in the underlying material. This soil has moderate available water capacity and low organic matter content. Flooding is NONE.

GbE GRIZZLY-VIRKULA ASSOCIATION, STEEP - The Virkula series consists of deep, well drained soils formed in silty materials weathered from igneous and metamorphic rocks on mountains. They have moderately slow permeability in the solum and moderate or moderately slow permeability in the underlying material. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

GcD - Grummit-Rock Outcrop Complex, 3 To 20 Percent Slopes

GcD GRUMMIT-ROCK OUTCROP COMPLEX, 3 TO 20 PERCENT SLOPES - The Grummit series consists of shallow, well drained soils formed in clayey residuum from acid shale on uplands. Permeability is moderate or moderately slow. This soil has very low available water capacity and low organic matter content. Flooding is NONE.

GcD GRUMMIT-ROCK OUTCROP COMPLEX, 3 TO 20 PERCENT SLOPES - Rock outcrop consists of soft acid shale that can be ripped or dug. This soil has moderate available water capacity and very low organic matter content. Flooding is NONE.

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Non Technical Soil Descriptions--Continued

GdE - Grummit-Rock Outcrop Complex, 15 To 50 Percent Slopes
GdE GRUMMIT-ROCK OUTCROP COMPLEX, 15 TO 50 PERCENT SLOPES - The Grummit series consists of shallow, well drained soils formed in clayey residuum from acid shale on uplands. Permeability is moderate or moderately slow. This soil has very low available water capacity and low organic matter content. Flooding is NONE.
GdE GRUMMIT-ROCK OUTCROP COMPLEX, 15 TO 50 PERCENT SLOPES - Rock outcrop consists of soft acid shale that can be ripped or dug. This soil has moderate available water capacity and very low organic matter content. Flooding is NONE.

GeD - Gypnevee-Rekop Loams, 6 To 25 Percent Slopes

GeD GYPNEVEE-REKOP LOAMS, 6 TO 25 PERCENT SLOPES - The Gypnevee series consists of deep, well drained soils that formed in material weathered from gypsum. Gypnevee soils are on uplands. This soil has high available water capacity and low organic matter content. Flooding is NONE.
GeD GYPNEVEE-REKOP LOAMS, 6 TO 25 PERCENT SLOPES - The Rekop series consists of well drained soils that are shallow to bedrock. These soils formed in residuum and colluvial slopewash derived from the underlying gypsum bedrock. Rekop soils are on hills, ridges, and plateaus. This soil has very low available water capacity and low organic matter content. Flooding is NONE.

Ha - Higgins Silt Loam

Ha HIGGINS SILT LOAM - The Higgins series consists of deep, very poorly drained soils formed in silty alluvium that contains much gypsum. These soils are on bottom lands. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is OCCAS.

HbF - Hisega-Rock Outcrop Association, Steep

HbF HISEGA-ROCK OUTCROP ASSOCIATION, STEEP - Rock outcrop consists of granite, quartzite, and metamorphic rock so hard that it cannot be ripped, slaked or dug. This soil has very low available water capacity and very low organic matter content. Flooding is NONE.
HbF HISEGA-ROCK OUTCROP ASSOCIATION, STEEP - The Hisega series consists of deep well drained soils formed in residuum from micaceous metamorphic rocks on mountains. They have moderate permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

HcA - Hisle Silt Loam, 0 To 3 Percent Slopes

HcA HISLE SILT LOAM, 0 TO 3 PERCENT SLOPES - The Hisle series consists of moderately deep, well drained and moderately well drained soils formed in clayey sediments weathered from clay shale on uplands. Permeability is very slow. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

HdA - Hisle-Slickspots Complex, 0 To 3 Percent Slopes

HdA HISLE-SLICKSPOTS COMPLEX, 0 TO 3 PERCENT SLOPES - The Hisle series consists of moderately deep, well drained and moderately well drained soils formed in clayey sediments weathered from clay shale on uplands. Permeability is very slow. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.
HdA HISLE-SLICKSPOTS COMPLEX, 0 TO 3 PERCENT SLOPES - Slickspots, dry consists of well drained areas with little or no vegetation. The areas are strongly saline and strongly alkaline. This soil has low available water capacity and very low organic matter content. Flooding is NONE.

KaA - Kyle Clay, 0 To 2 Percent Slopes

KaA KYLE CLAY, 0 TO 2 PERCENT SLOPES - The Kyle series consists of deep, well drained soils formed in sediments weathered from clay shale on uplands. Permeability is very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

KaB - Kyle Clay, 2 To 6 Percent Slopes

KaB KYLE CLAY, 2 TO 6 PERCENT SLOPES - The Kyle series consists of deep, well drained soils formed in sediments weathered from clay shale on uplands. Permeability is very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

LaE - Lakoa Silt Loam, 25 To 50 Percent Slopes

LaE LAKOA SILT LOAM, 25 TO 50 PERCENT SLOPES - The Lakoa series consists of deep, well drained soils formed in residuum weathered from interbedded sandstone and shale on uplands. Permeability is moderate. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

Lawrence County, South Dakota
Non Technical Soil Descriptions--Continued

MaC - Maitland Loam, 2 To 9 Percent Slopes

MaC MAITLAND LOAM, 2 TO 9 PERCENT SLOPES - The Maitland series consists of deep, well drained soils formed in residuum weathered from interbedded sandstones and shales on uplands. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

MaD - Maitland Loam, 9 To 50 Percent Slopes

MaD MAITLAND LOAM, 9 TO 50 PERCENT SLOPES - The Maitland series consists of deep, well drained soils formed in residuum weathered from interbedded sandstones and shales on uplands. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

MbE - Marshbrook-Maitland Association, Sloping

MbE MARSHBROOK-MAITLAND ASSOCIATION, SLOPING - The Marshbrook series consists of deep, somewhat poorly or poorly drained soils that formed in material weathered mainly from slate, quartzite and schist on flood plains. Permeability is moderately slow. This soil has high available water capacity and high organic matter content. Flooding is OCCAS.
MbE MARSHBROOK-MAITLAND ASSOCIATION, SLOPING - The Maitland series consists of deep, well drained soils formed in residuum weathered from interbedded sandstones and shales on uplands. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

McD - Midway-Razor Silty Clay Loams, 6 To 25 Percent Slopes

McD MIDWAY-RAZOR SILTY CLAY LOAMS, 6 TO 25 PERCENT SLOPES - The Midway series consists of shallow, well drained soils that formed in calcareous platy, clayey shale. Midway soils are on ridge crests and hills in shale bedrock uplands. This soil has very low available water capacity and low organic matter content. Flooding is NONE.
McD MIDWAY-RAZOR SILTY CLAY LOAMS, 6 TO 25 PERCENT SLOPES - The Razor series consists of moderately deep, well drained, slowly permeable soils that formed in alluvium and residuum derived from saline calcareous shales. Razor soils are on uplands and breaks to major drainages. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

NaB - Nevee Silt Loam, 2 To 6 Percent Slopes

NaB NEVEE SILT LOAM, 2 TO 6 PERCENT SLOPES - The Nevee series consists of deep, well drained soils formed in reddish silty alluvial-colluvial sediments on terraces and uplands. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

NaC - Nevee Silt Loam, 6 To 9 Percent Slopes

NaC NEVEE SILT LOAM, 6 TO 9 PERCENT SLOPES - The Nevee series consists of deep, well drained soils formed in reddish silty alluvial-colluvial sediments on terraces and uplands. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

NbD - Nevee-Spearfish-Rock Outcrop Complex, 9 To 40 Percent Slopes

NbD NEVEE-SPEARFISH-ROCK OUTCROP COMPLEX, 9 TO 40 PERCENT SLOPES - The Nevee series consists of deep, well drained soils formed in reddish silty alluvial-colluvial sediments on terraces and uplands. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
NbD NEVEE-SPEARFISH-ROCK OUTCROP COMPLEX, 9 TO 40 PERCENT SLOPES - The Spearfish series consists of shallow, well drained to excessively drained soils formed in reddish residuum from siltstone, sandstone, and shale. Permeability is moderate. This soil has very low available water capacity and moderate organic matter content. Flooding is NONE.
NbD NEVEE-SPEARFISH-ROCK OUTCROP COMPLEX, 9 TO 40 PERCENT SLOPES - Rock outcrop consists of soft shale that can be ripped or dug. This soil has moderate available water capacity and low organic matter content. Flooding is NONE.

NcD - Nihill Gravelly Loam, 6 To 25 Percent Slopes

NcD NIHILL GRAVELLY LOAM, 6 TO 25 PERCENT SLOPES - The Nihill series consists of deep, well drained soils formed in gravelly alluvium from mixed sources. They are on late Pleistocene terraces and terrace remnants. Slopes are both simple and complex and range from 0 to 80 percent. This soil has low available water capacity and low organic matter content. Flooding is NONE.

NdA - Nunn Clay Loam, 0 To 2 Percent Slopes

NdA NUNN CLAY LOAM, 0 TO 2 PERCENT SLOPES - The Nunn series consists of deep, well drained soils that formed in mixed alluvium. Nunn soils are on terraces or alluvial fans and have slopes of 0 to 9 percent. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Lawrence County, South Dakota
Non Technical Soil Descriptions--Continued

NdB - Nunn Clay Loam, 2 To 6 Percent Slopes

NdB NUNN CLAY LOAM, 2 TO 6 PERCENT SLOPES - The Nunn series consists of deep, well drained soils that formed in mixed alluvium. Nunn soils are on terraces or alluvial fans and have slopes of 0 to 9 percent. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

NdC - Nunn Clay Loam, 6 To 9 Percent Slopes

NdC NUNN CLAY LOAM, 6 TO 9 PERCENT SLOPES - The Nunn series consists of deep, well drained soils that formed in mixed alluvium. Nunn soils are on terraces or alluvial fans and have slopes of 0 to 9 percent. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

PaE - Pactola-Rock Outcrop Association, Hilly

PaE PACTOLA-ROCK OUTCROP ASSOCIATION, HILLY - The Pactola series consists of deep well drained soils formed in residuum from steeply dipping beds of metamorphic rock on mountains. They have moderate permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

PaE PACTOLA-ROCK OUTCROP ASSOCIATION, HILLY - Rock outcrop consists of granite, quartzite, and metamorphic rock so hard that it cannot be ripped, slaked or dug. This soil has very low available water capacity and very low organic matter content. Flooding is NONE.

PbE - Paunsaugunt-Rock Outcrop Complex, 6 To 50 Percent Slopes

PbE PAUNSAUGUNT-ROCK OUTCROP COMPLEX, 6 TO 50 PERCENT SLOPES - The Paunsaugunt series consists of well drained, moderately permeable soils that are shallow to limestone. They formed in residuum from limestone and calcareous sandstone. Paunsaugunt soils are on mesas and hillsides with slopes ranging from 2 to 70 percent. This soil has very low available water capacity and moderate organic matter content. Flooding is NONE.

PbE PAUNSAUGUNT-ROCK OUTCROP COMPLEX, 6 TO 50 PERCENT SLOPES - Rock outcrop, sandy, consists of limestone and sandstone that is very difficult to rip. This soil has very low available water capacity and very low organic matter content. Flooding is NONE.

PcB - Pierre Clay, 2 To 6 Percent Slopes

PcB PIERRE CLAY, 2 TO 6 PERCENT SLOPES - The Pierre series consists of moderately deep, well drained soils formed in residuum weathered from clay shales on uplands. Permeability is very slow. This soil has very low available water capacity and moderate organic matter content. Flooding is NONE.

PcD - Pierre Clay, 6 To 25 Percent Slopes

PcD PIERRE CLAY, 6 TO 25 PERCENT SLOPES - The Pierre series consists of moderately deep, well drained soils formed in residuum weathered from clay shales on uplands. Permeability is very slow. This soil has very low available water capacity and moderate organic matter content. Flooding is NONE.

Pe - Pits, Quarry

Pe PITS, QUARRY - Rock outcrop consists of granite, quartzite, and metamorphic rock so hard that it cannot be ripped, slaked or dug. This soil has very low available water capacity and very low organic matter content. Flooding is NONE.

RaE - Rekop-Gypnevee-Rock Outcrop Complex, 15 To 50 Percent Slopes

RaE REKOP-GYPNEVEE-ROCK OUTCROP COMPLEX, 15 TO 50 PERCENT SLOPES - The Rekop series consists of well drained soils that are shallow to bedrock. These soils formed in residuum and colluvial slopewash derived from the underlying gypsum bedrock. Rekop soils are on hills, ridges, and plateaus. This soil has very low available water capacity and low organic matter content. Flooding is NONE.

RaE REKOP-GYPNEVEE-ROCK OUTCROP COMPLEX, 15 TO 50 PERCENT SLOPES - The Gypnevee series consists of deep, well drained soils that formed in material weathered from gypsum. Gypnevee soils are on uplands. This soil has high available water capacity and low organic matter content. Flooding is NONE.

RaE REKOP-GYPNEVEE-ROCK OUTCROP COMPLEX, 15 TO 50 PERCENT SLOPES - Rock outcrop, sandy, consists of limestone and sandstone that is very difficult to rip. This soil has very low available water capacity and very low organic matter content. Flooding is NONE.

RbF - Rock Outcrop-Pactola Association, Steep

RbF ROCK OUTCROP-PACTOLA ASSOCIATION, STEEP - The Pactola series consists of deep well drained soils formed in residuum from steeply dipping beds of metamorphic rock on mountains. They have moderate permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

RbF ROCK OUTCROP-PACTOLA ASSOCIATION, STEEP - Rock outcrop consists of granite, quartzite, and metamorphic rock so hard that it cannot be ripped, slaked or dug. This soil has very low available water capacity and very low organic matter content. Flooding is NONE.

Lawrence County, South Dakota
Non Technical Soil Descriptions--Continued

RcF - Rock Outcrop-Vanocker Association, Very Steep

RcF ROCK OUTCROP-VANOCKER ASSOCIATION, VERY STEEP - Rock outcrop, sandy, consists of limestone and sandstone that is very difficult to rip. This soil has very low available water capacity and very low organic matter content. Flooding is NONE.

RcF ROCK OUTCROP-VANOCKER ASSOCIATION, VERY STEEP - The Vanocker series consists of deep, well drained soils formed in residuum and colluvial sediments on mountain slopes. Permeability is moderate. This soil has moderate available water capacity and high organic matter content. Flooding is NONE.

SaA - Satanta Loam, 0 To 2 Percent Slopes

SaA SATANTA LOAM, 0 TO 2 PERCENT SLOPES - The Satanta series consists of very deep, well drained, moderately permeable soils that formed in loamy eolian material or loamy alluvium that has been partially reworked by wind. These soils are on uplands or high stream terraces. This soil has high available water capacity and low organic matter content. Flooding is NONE.

SaB - Satanta Loam, 2 To 6 Percent Slopes

SaB SATANTA LOAM, 2 TO 6 PERCENT SLOPES - The Satanta series consists of very deep, well drained, moderately permeable soils that formed in loamy eolian material or loamy alluvium that has been partially reworked by wind. These soils are on uplands or high stream terraces. This soil has high available water capacity and low organic matter content. Flooding is NONE.

SaC - Satanta Loam, 6 To 9 Percent Slopes

SaC SATANTA LOAM, 6 TO 9 PERCENT SLOPES - The Satanta series consists of very deep, well drained, moderately permeable soils that formed in loamy eolian material or loamy alluvium that has been partially reworked by wind. These soils are on uplands or high stream terraces. This soil has high available water capacity and low organic matter content. Flooding is NONE.

SbA - Savo Silt Loam, 0 To 2 Percent Slopes

SbA SAVO SILT LOAM, 0 TO 2 PERCENT SLOPES - The Savo series consists of very deep, well drained soil formed in silty sediments on uplands and terraces. Permeability is moderately slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

SbB - Savo Silt Loam, 2 To 6 Percent Slopes

SbB SAVO SILT LOAM, 2 TO 6 PERCENT SLOPES - The Savo series consists of very deep, well drained soil formed in silty sediments on uplands and terraces. Permeability is moderately slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

ScD - Snomo-Rock Outcrop Complex, 6 To 25 Percent Slopes

ScD SNOMO-ROCK OUTCROP COMPLEX, 6 TO 25 PERCENT SLOPES - The Snomo series consists of deep or very deep, well drained soils formed in clayey materials weathered from acid shale on the uplands. These soils have moderate permeability. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

ScD SNOMO-ROCK OUTCROP COMPLEX, 6 TO 25 PERCENT SLOPES - Rock outcrop consists of soft acid shale that can be ripped or dug. This soil has moderate available water capacity and very low organic matter content. Flooding is NONE.

Sd - Stetter Variant Silty Clay Loam

Sd STETTER VARIANT SILTY CLAY LOAM - The Stetter Variant consists of very deep, well drained soils formed in clayey alluvium weathered from acid shale on floodplains. This soil has moderate available water capacity and moderate organic matter content. Flooding is OCCAS.

SeE - Stovho Association, Rolling

SeE STOVHO ASSOCIATION, ROLLING - The Stovho series consists of deep, well drained soils formed in residuum weathered from limestone and calcareous sandstone on mountains. Permeability is moderately slow or slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Lawrence County, South Dakota
Non Technical Soil Descriptions--Continued

SgF - Stovho-Trebor Association, Steep

SgF STOVHO-TREBOR ASSOCIATION, STEEP - The Stovho series consists of deep, well drained soils formed in residuum weathered from limestone and calcareous sandstone on mountains. Permeability is moderately slow or slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

SgF STOVHO-TREBOR ASSOCIATION, STEEP - The Trebor series consists of moderately deep, well drained soils formed in residuum from limestone. They have moderately slow permeability in the solum and moderate permeability in the underlying material. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

ShA - St. Onge Loam, 0 To 2 Percent Slopes

ShA ST. ONGE LOAM, 0 TO 2 PERCENT SLOPES - The St. Onge series consists of deep, well drained and moderately well drained soils formed in calcareous loamy alluvium on fans, terraces, and floodplains. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is RARE.

Sk - Swint Silt Loam

Sk SWINT SILT LOAM - The Swint series consists of deep, well drained and moderately well drained soils formed in reddish colored loamy alluvium on floodplains. These soils have moderate permeability. This soil has high available water capacity and moderate organic matter content. Flooding is RARE.

TaA - Tilford Silt Loam, 0 To 2 Percent Slopes

TaA TILFORD SILT LOAM, 0 TO 2 PERCENT SLOPES - The Tilford series consists of deep, well drained soils formed in local alluvium and residuum from weathered reddish shales on uplands and terraces. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

TaB - Tilford Silt Loam, 2 To 6 Percent Slopes

TaB TILFORD SILT LOAM, 2 TO 6 PERCENT SLOPES - The Tilford series consists of deep, well drained soils formed in local alluvium and residuum from weathered reddish shales on uplands and terraces. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

TaC - Tilford Silt Loam, 6 To 9 Percent Slopes

TaC TILFORD SILT LOAM, 6 TO 9 PERCENT SLOPES - The Tilford series consists of deep, well drained soils formed in local alluvium and residuum from weathered reddish shales on uplands and terraces. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

TbE - Trebor-Rock Outcrop Association, Hilly

TbE TREBOR-ROCK OUTCROP ASSOCIATION, HILLY - The Trebor series consists of moderately deep, well drained soils formed in residuum from limestone. They have moderately slow permeability in the solum and moderate permeability in the underlying material. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.
TbE TREBOR-ROCK OUTCROP ASSOCIATION, HILLY - Rock outcrop, sandy, consists of limestone and sandstone that is very difficult to rip. This soil has very low available water capacity and very low organic matter content. Flooding is NONE.

VaA - Vale Silt Loam, 0 To 2 Percent Slopes

VaA VALE SILT LOAM, 0 TO 2 PERCENT SLOPES - The Vale series consists of deep, well drained soils formed in silty sediments weathered from reddish shales. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

VaB - Vale Silt Loam, 2 To 6 Percent Slopes

VaB VALE SILT LOAM, 2 TO 6 PERCENT SLOPES - The Vale series consists of deep, well drained soils formed in silty sediments weathered from reddish shales. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

VaC - Vale Silt Loam, 6 To 9 Percent Slopes

VaC VALE SILT LOAM, 6 TO 9 PERCENT SLOPES - The Vale series consists of deep, well drained soils formed in silty sediments weathered from reddish shales. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Lawrence County, South Dakota
Non Technical Soil Descriptions--Continued

VbF - Vanocker-Citadel Association, Steep

VbF VANOCKER-CITADEL ASSOCIATION, STEEP - The Vanocker series consists of deep, well drained soils formed in residuum and colluvial sediments on mountain slopes. Permeability is moderate. This soil has moderate available water capacity and high organic matter content. Flooding is NONE.

VbF VANOCKER-CITADEL ASSOCIATION, STEEP - The Citadel series consists of deep, well drained soils formed in residuum and local alluvium from calcareous sandstone, limestone, and soft shale on mountains. They have moderately slow or slow permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

VcE - Virkula Association, Hilly

VcE VIRKULA ASSOCIATION, HILLY - The Virkula series consists of deep, well drained soils formed in silty materials weathered from igneous and metamorphic rocks on mountains. They have moderately slow permeability in the solum and moderate or moderately slow permeability in the underlying material. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

WaA - Weber Loam, 0 To 2 Percent Slopes

WaA WEBER LOAM, 0 TO 2 PERCENT SLOPES - Typically, Weber soils have a friable granular noncalcareous A horizon, a reddish brown light clay loam B2t horizon having prismatic to blocky structure, and a IIC horizon of gravel, cobble, and sand at a depth of 32 inches. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

Wb - Winetti Cobbly Loam

Wb WINETTI COBBLY LOAM - The Winetti series consists of very deep, somewhat excessively drained, moderately rapidly permeable soils that formed in mixed alluvium from sedimentary rocks. This soil has low available water capacity and moderate organic matter content. Flooding is RARE.

ww - Water < 40 Acres

ww WATER < 40 ACRES - These are areas of water that are normally less than 40 acres in size. This soil has available water capacity and organic matter content.

