

Turner County, South Dakota
Nontechnical Soil Descriptions

Ac - Alcester Silt Loam

Ac ALCESTER SILT LOAM - The Alcester series consists of deep, well and moderately well drained soils formed in silty colluvial-alluvial sediments on terraces and foot slopes. Permeability is moderate. This soil has high available water capacity and high organic matter content. Flooding is RARE.

Ar - Arlo Clay Loam

Ar ARLO CLAY LOAM - The Arlo series consists of deep, somewhat poorly drained, poorly drained and very poorly drained soils formed in loamy alluvium overlying stratified sand and gravel on glacial outwash plains. Permeability is moderate in the solum and rapid in the underlying sand and gravel. This soil has moderate available water capacity and moderate organic matter content. Flooding is OCCAS.

Ba - Baltic Silty Clay Loam

Ba BALTIC SILTY CLAY LOAM - The Baltic series consists of very deep, poorly drained and very poorly drained soils formed in clayey alluvial sediments in depressions and on bottom lands. Permeability is slow. This soil has moderate available water capacity and high organic matter content. Flooding is NONE. Ponding duration is VERY LONG.

Bb - Baltic Silty Clay Loam, Ponded

Bb BALTIC SILTY CLAY LOAM, PONDED - The Baltic series consists of very deep, poorly drained and very poorly drained soils formed in clayey alluvial sediments in depressions and on bottom lands. Permeability is slow. This soil has high available water capacity and high organic matter content. Flooding is NONE. Ponding duration is VERY LONG.

BeE - Betts-Ethan Loams, 15 To 40 Percent Slopes

BeE BETTS-ETHAN LOAMS, 15 TO 40 PERCENT SLOPES - The Betts series consists of very deep, well drained soils formed in glacial till. Permeability is moderate in the upper part and moderately slow in the underlying glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

BeE BETTS-ETHAN LOAMS, 15 TO 40 PERCENT SLOPES - The Ethan series consists of deep, well drained soils formed in glacial till. They have moderate permeability in the solum and moderately slow permeability in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

BhE - Betts-Talmo Complex, 12 To 40 Percent Slopes

BhE BETTS-TALMO COMPLEX, 12 TO 40 PERCENT SLOPES - The Betts series consists of very deep, well drained soils formed in glacial till. Permeability is moderate in the upper part and moderately slow in the underlying glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

BhE BETTS-TALMO COMPLEX, 12 TO 40 PERCENT SLOPES - The Talmo series consists of very deep, excessively drained soils formed in sand and gravel outwash sediments on glacial outwash plains and moraines. Permeability is rapid. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

BkA - Blendon Fine Sandy Loam, 0 To 2 Percent Slopes

BkA BLENDON FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES - The Blendon series consists of deep, well drained soils formed in sandy glacial sediments or eolian sediments on terraces and alluvial fans. Permeability is moderate or moderately rapid through the solum and moderately rapid or rapid in the underlying material. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

BmB - Blendon-Henkin Fine Sandy Loams, 2 To 6 Percent Slopes

BmB BLENDON-HENKIN FINE SANDY LOAMS, 2 TO 6 PERCENT SLOPES - The Blendon series consists of deep, well drained soils formed in sandy glacial sediments or eolian sediments on terraces and alluvial fans. Permeability is moderate or moderately rapid through the solum and moderately rapid or rapid in the underlying material. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

BmB BLENDON-HENKIN FINE SANDY LOAMS, 2 TO 6 PERCENT SLOPES - The Henkin series consists of very deep, well drained soils formed in glacial meltwater deposits on uplands. They have moderately rapid permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

Ca - Chancellor Silty Clay Loam

Ca CHANCELLOR SILTY CLAY LOAM - The Chancellor series consists of deep, somewhat poorly and poorly drained soils formed in silty alluvium in upland swales. Permeability is slow. This soil has high available water capacity and high organic matter content. Flooding is FREQ.

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Non Technical Soil Descriptions--Continued

Cc - Chaska Loam, Channeled

Cc CHASKA LOAM, CHANNELED - The Chaska series consists of very deep, somewhat poorly drained soils that formed in recent calcareous loamy alluvium on flood plains. These soils have moderate permeability. This soil has high available water capacity and moderate organic matter content. Flooding is FREQ.

Cd - Clamo Silty Clay

Cd CLAMO SILTY CLAY - The Clamo series consists of deep, somewhat poorly drained, poorly drained, and very poorly drained soils formed in clayey alluvium on bottom lands. Permeability is slow. This soil has high available water capacity and high organic matter content. Flooding is OCCAS.

Ce - Clamo Clay, Gravelly Substratum

Ce CLAMO CLAY, GRAVELLY SUBSTRATUM - The Clamo series consists of deep, somewhat poorly drained, poorly drained, and very poorly drained soils formed in clayey alluvium on bottom lands. Permeability is slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is OCCAS.

ChA - Clarno-Bonilla Loams, 0 To 2 Percent Slopes

ChA CLARNO-BONILLA LOAMS, 0 TO 2 PERCENT SLOPES - The Clarno series consists of deep, well drained or moderately well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

ChA CLARNO-BONILLA LOAMS, 0 TO 2 PERCENT SLOPES - The Bonilla series consists of very deep, moderately well drained soils formed in loamy glacial drift in drainageways and swales of the uplands. Permeability is moderate in the solum and moderately slow or moderate in the underlying material. This soil has high available water capacity and high organic matter content. Flooding is NONE.

ChB - Clarno-Bonilla Loams, 1 To 6 Percent Slopes

ChB CLARNO-BONILLA LOAMS, 1 TO 6 PERCENT SLOPES - The Clarno series consists of deep, well drained or moderately well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

ChB CLARNO-BONILLA LOAMS, 1 TO 6 PERCENT SLOPES - The Bonilla series consists of very deep, moderately well drained soils formed in loamy glacial drift in drainageways and swales of the uplands. Permeability is moderate in the solum and moderately slow or moderate in the underlying material. This soil has high available water capacity and high organic matter content. Flooding is NONE.

CkA - Clarno-Crossplain-Davison Complex, 0 To 3 Percent Slopes

CkA CLARNO-CROSSPLAIN-DAVISON COMPLEX, 0 TO 3 PERCENT SLOPES - The Clarno series consists of deep, well drained or moderately well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

CkA CLARNO-CROSSPLAIN-DAVISON COMPLEX, 0 TO 3 PERCENT SLOPES - The Davison series consists of deep, moderately well drained soils formed in stratified glacial meltwater sediments or glacial till on uplands. Permeability is moderate in the solum and moderate or moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

CkA CLARNO-CROSSPLAIN-DAVISON COMPLEX, 0 TO 3 PERCENT SLOPES - The Crossplain series consists of deep, somewhat poorly and poorly drained soils formed in glacial drift in swales and drainageways of uplands. The soils have slow or moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is FREQ.

CmB - Clarno-Davison Loams, 2 To 5 Percent Slopes

CmB CLARNO-DAVISON LOAMS, 2 TO 5 PERCENT SLOPES - The Clarno series consists of deep, well drained or moderately well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

CmB CLARNO-DAVISON LOAMS, 2 TO 5 PERCENT SLOPES - The Davison series consists of deep, moderately well drained soils formed in stratified glacial meltwater sediments or glacial till on uplands. Permeability is moderate in the solum and moderate or moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

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Non Technical Soil Descriptions--Continued

CoB - Clarno-Ethan Loams, 2 To 6 Percent Slopes

CoB CLARNO-ETHAN LOAMS, 2 TO 6 PERCENT SLOPES - The Clarno series consists of deep, well drained or moderately well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
CoB CLARNO-ETHAN LOAMS, 2 TO 6 PERCENT SLOPES - The Ethan series consists of deep, well drained soils formed in glacial till. They have moderate permeability in the solum and moderately slow permeability in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

CoC - Clarno-Ethan Loams, 5 To 9 Percent Slopes

CoC CLARNO-ETHAN LOAMS, 5 TO 9 PERCENT SLOPES - The Clarno series consists of deep, well drained or moderately well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
CoC CLARNO-ETHAN LOAMS, 5 TO 9 PERCENT SLOPES - The Ethan series consists of deep, well drained soils formed in glacial till. They have moderate permeability in the solum and moderately slow permeability in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Cr - Crossplain Clay Loam

Cr CROSSPLAIN CLAY LOAM - The Crossplain series consists of deep, somewhat poorly and poorly drained soils formed in glacial drift in swales and drainageways of uplands. The soils have slow or moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is FREQ.

DaA - Davis Loam, 0 To 2 Percent Slopes

DaA DAVIS LOAM, 0 TO 2 PERCENT SLOPES - The Davis series consists of deep, well drained and moderately well drained soils formed in loamy sediments on foot slopes, fans and high bottom lands. Permeability is moderate. This soil has high available water capacity and high organic matter content. Flooding is RARE.

DaB - Davis Loam, 2 To 6 Percent Slopes

DaB DAVIS LOAM, 2 TO 6 PERCENT SLOPES - The Davis series consists of deep, well drained and moderately well drained soils formed in loamy sediments on foot slopes, fans and high bottom lands. Permeability is moderate. This soil has high available water capacity and high organic matter content. Flooding is NONE.

DbA - Davis Loam, Sandy Substratum, 0 To 2 Percent Slopes

DbA DAVIS LOAM, SANDY SUBSTRATUM, 0 TO 2 PERCENT SLOPES - The Davis series consists of deep, well drained and moderately well drained soils formed in loamy sediments on foot slopes, fans and high bottom lands. Permeability is moderate. This soil has moderate available water capacity and high organic matter content. Flooding is RARE.

DeA - Delmont-Enet Loams, 0 To 2 Percent Slopes

DeA DELMONT-ENET LOAMS, 0 TO 2 PERCENT SLOPES - The Delmont series consists of very deep, somewhat excessively drained soils formed in loamy alluvium over sand and gravel on outwash plains and terraces. Permeability is moderately rapid or moderate in the solum and rapid in the underlying sand and gravel. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.
DeA DELMONT-ENET LOAMS, 0 TO 2 PERCENT SLOPES - The Enet series consists of deep, well drained soils formed in loamy sediments and the underlying stratified sand and gravel on the glacial outwash plain. Permeability is moderate in the solum and rapid in the underlying sand and gravel. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

DeB - Delmont-Enet Loams, 2 To 6 Percent Slopes

DeB DELMONT-ENET LOAMS, 2 TO 6 PERCENT SLOPES - The Delmont series consists of very deep, somewhat excessively drained soils formed in loamy alluvium over sand and gravel on outwash plains and terraces. Permeability is moderately rapid or moderate in the solum and rapid in the underlying sand and gravel. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.
DeB DELMONT-ENET LOAMS, 2 TO 6 PERCENT SLOPES - The Enet series consists of deep, well drained soils formed in loamy sediments and the underlying stratified sand and gravel on the glacial outwash plain. Permeability is moderate in the solum and rapid in the underlying sand and gravel. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

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

DgB - Dempster-Graceville Silty Clay Loams, 1 To 5 Percent Slopes

DgB DEMPSTER-GRACEVILLE SILTY CLAY LOAMS, 1 TO 5 PERCENT SLOPES - The Dempster series consists of deep, well drained soils formed in silty sediments overlying outwash sand and gravel. Permeability is moderate in the silty material and moderately rapid or rapid in the underlying sand and gravel. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

DgB DEMPSTER-GRACEVILLE SILTY CLAY LOAMS, 1 TO 5 PERCENT SLOPES - The Graceville series consists of deep, well and moderately well drained soils formed in silty sediments overlying sand and gravel. Permeability is moderate in the solum and rapid in the underlying material. This soil has high available water capacity and high organic matter content. Flooding is NONE.

Do - Dimo Clay Loam

Do DIMO CLAY LOAM - The Dimo series consists of very deep, somewhat poorly drained soils formed in loamy alluvium and the underlying sand and gravel. Permeability is moderate in the solum and rapid in the sand and gravel. This soil has moderate available water capacity and high organic matter content. Flooding is OCCAS.

EeA - Egan-Ethan Complex, 0 To 2 Percent Slopes

EeA EGAN-ETHAN COMPLEX, 0 TO 2 PERCENT SLOPES - The Egan series consists of deep, well drained soils formed in silty sediments overlying glacial till on uplands. Permeability is moderate in the silty solum and moderately slow or slow in the underlying glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

EeA EGAN-ETHAN COMPLEX, 0 TO 2 PERCENT SLOPES - The Ethan series consists of deep, well drained soils formed in glacial till. They have moderate permeability in the solum and moderately slow permeability in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

EeB - Egan-Ethan Complex, 2 To 6 Percent Slopes

EeB EGAN-ETHAN COMPLEX, 2 TO 6 PERCENT SLOPES - The Egan series consists of deep, well drained soils formed in silty sediments overlying glacial till on uplands. Permeability is moderate in the silty solum and moderately slow or slow in the underlying glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

EeB EGAN-ETHAN COMPLEX, 2 TO 6 PERCENT SLOPES - The Ethan series consists of deep, well drained soils formed in glacial till. They have moderate permeability in the solum and moderately slow permeability in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

EfA - Egan-Trent Silty Clay Loams, 0 To 2 Percent Slopes

EfA EGAN-TRENT SILTY CLAY LOAMS, 0 TO 2 PERCENT SLOPES - The Egan series consists of deep, well drained soils formed in silty sediments overlying glacial till on uplands. Permeability is moderate in the silty solum and moderately slow or slow in the underlying glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

EfA EGAN-TRENT SILTY CLAY LOAMS, 0 TO 2 PERCENT SLOPES - The Trent series consists of deep, well and moderately well drained soils formed in silty sediments on uplands and in swales. Permeability is moderate. This soil has high available water capacity and high organic matter content. Flooding is NONE.

EgB - Egan-Wentworth Silty Clay Loams, 2 To 6 Percent Slopes

EgB EGAN-WENTWORTH SILTY CLAY LOAMS, 2 TO 6 PERCENT SLOPES - The Egan series consists of deep, well drained soils formed in silty sediments overlying glacial till on uplands. Permeability is moderate in the silty solum and moderately slow or slow in the underlying glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

EgB EGAN-WENTWORTH SILTY CLAY LOAMS, 2 TO 6 PERCENT SLOPES - The Wentworth series consists of deep, well drained and moderately well drained soils formed in silty glacial drift on uplands. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

EnA - Enet Loam, 0 To 2 Percent Slopes

EnA ENET LOAM, 0 TO 2 PERCENT SLOPES - The Enet series consists of deep, well drained soils formed in loamy sediments and the underlying stratified sand and gravel on the glacial outwash plain. Permeability is moderate in the solum and rapid in the underlying sand and gravel. This soil has moderate available water capacity and moderate organic matter content. Flooding is RARE.

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

EsD - Ethan-Betts Loams, 6 To 15 Percent Slopes

EsD ETHAN-BETTS LOAMS, 6 TO 15 PERCENT SLOPES - The Ethan series consists of deep, well drained soils formed in glacial till. They have moderate permeability in the solum and moderately slow permeability in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

EsD ETHAN-BETTS LOAMS, 6 TO 15 PERCENT SLOPES - The Betts series consists of very deep, well drained soils formed in glacial till. Permeability is moderate in the upper part and moderately slow in the underlying glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

EtB - Ethan-Egan Complex, 2 To 6 Percent Slopes

EtB ETHAN-EGAN COMPLEX, 2 TO 6 PERCENT SLOPES - The Ethan series consists of deep, well drained soils formed in glacial till. They have moderate permeability in the solum and moderately slow permeability in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

EtB ETHAN-EGAN COMPLEX, 2 TO 6 PERCENT SLOPES - The Egan series consists of deep, well drained soils formed in silty sediments overlying glacial till on uplands. Permeability is moderate in the silty solum and moderately slow or slow in the underlying glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

EtC - Ethan-Egan Complex, 5 To 9 Percent Slopes

EtC ETHAN-EGAN COMPLEX, 5 TO 9 PERCENT SLOPES - The Ethan series consists of deep, well drained soils formed in glacial till. They have moderate permeability in the solum and moderately slow permeability in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

EtC ETHAN-EGAN COMPLEX, 5 TO 9 PERCENT SLOPES - The Egan series consists of deep, well drained soils formed in silty sediments overlying glacial till on uplands. Permeability is moderate in the silty solum and moderately slow or slow in the underlying glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

HuA - Huntimer Silty Clay Loam, 0 To 2 Percent Slopes

HuA HUNTIMER SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES - The Huntimer series consists of well and moderately well drained soils formed in clayey glaciolacustrine sediments on uplands. Permeability is moderately slow or slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

La - Lamo Silty Clay Loam

La LAMO SILTY CLAY LOAM - The Lamo series consists of very deep, somewhat poorly drained and poorly drained soils that formed in calcareous alluvium. The soils have moderately slow permeability. These soils are on bottom lands. This soil has very high available water capacity and moderate organic matter content. Flooding is OCCAS.

Ro - Roxbury Silt Loam

Ro ROXBURY SILT LOAM - The Roxbury series consists of very deep, well drained, moderately permeable soils formed in calcareous loamy alluvium on stream terraces or alluvial fans. This soil has very high available water capacity and moderate organic matter content. Flooding is OCCAS.

Sa - Salmo Silty Clay Loam

Sa SALMO SILTY CLAY LOAM - The Salmo series consists of very deep, somewhat poorly drained and poorly drained soils formed in silty alluvium on bottom lands. Permeability is moderate or moderately slow in the solum and moderately slow or slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is FREQ.

Te - Tetonka Silt Loam

Te TETONKA SILT LOAM - The Tetonka series consists of deep, poorly drained soils formed in local alluvium in depressions on uplands. Permeability is very slow or slow. This soil has high available water capacity and high organic matter content. Flooding is NONE. Ponding duration is LONG.

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

WaA - Wakonda-Wentworth-Chancellor Silty Clay Loams, 0 To 3 Percent Slopes

WaA WAKONDA-WENTWORTH-CHANCELLOR SILTY CLAY LOAMS, 0 TO 3 PERCENT SLOPES - The Wakonda series consists of deep, moderately well and somewhat poorly drained soils formed in silty sediments on uplands. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

WaA WAKONDA-WENTWORTH-CHANCELLOR SILTY CLAY LOAMS, 0 TO 3 PERCENT SLOPES - The Chancellor series consists of deep, somewhat poorly and poorly drained soils formed in silty alluvium in upland swales. Permeability is slow. This soil has high available water capacity and high organic matter content. Flooding is FREQ.

WaA WAKONDA-WENTWORTH-CHANCELLOR SILTY CLAY LOAMS, 0 TO 3 PERCENT SLOPES - The Wentworth series consists of deep, well drained and moderately well drained soils formed in silty glacial drift on uplands. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

WcA - Wentworth-Chancellor-Wakonda Silty Clay Loams, 0 To 2 Percent Slopes

WcA WENTWORTH-CHANCELLOR-WAKONDA SILTY CLAY LOAMS, 0 TO 2 PERCENT SLOPES - The Wentworth series consists of deep, well drained and moderately well drained soils formed in silty glacial drift on uplands. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

WcA WENTWORTH-CHANCELLOR-WAKONDA SILTY CLAY LOAMS, 0 TO 2 PERCENT SLOPES - The Chancellor series consists of deep, somewhat poorly and poorly drained soils formed in silty alluvium in upland swales. Permeability is slow. This soil has high available water capacity and high organic matter content. Flooding is FREQ.

WcA WENTWORTH-CHANCELLOR-WAKONDA SILTY CLAY LOAMS, 0 TO 2 PERCENT SLOPES - The Wakonda series consists of deep, moderately well and somewhat poorly drained soils formed in silty sediments on uplands. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Wo - Worthing Silty Clay Loam

Wo WORTHING SILTY CLAY LOAM - The Worthing series consists of deep, poorly and very poorly drained soils formed in clayey alluvial sediments in upland depressions. Permeability is slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE. Ponding duration is VERY LONG.

