Soils Report

Contact your local District Conservationist for site specific assistance

Topsoil - Dominant Condition

The term "topsoil" has several meanings. As used here, the term describes soil material used to cover an area so as to improve soil conditions for the establishment and maintenance of adapted vegetation.

Generally, the upper part of the soil, which is richest in organic matter, is most descirable for use as topsoil; however, material excavated from deeper layers is also used. In this rating, the upper 40 inches of soil material is evaluated for use as topsoil. In the borrow area, the material below 40 inches is evaluated for its suitability for plant growth after the upper 40 inches is removed.

The suitability ratings are considered good or very suited if soil properties and site features are generally favorable for the indicated use and limitations are minor and easily overcome. A fair or suited indicates soil properties or site features are moderately favorable for the indicated use and special planning, design, or maintenance is needed to overcome or minimize the limitations. A poor or poorly suited indicates soil properties or site features are so unfavorable or so difficult to overcome that special design, significant increases in construction costs, and possibly increased maintenance are required. An unsuited indicates the expected performance of the soil is unacceptable for the use, or extreme measures are needed to overcome the undesirable properties or qualities.

Soil Survey: Breckinridge and Meade Counties, Kentucky
Survey Status: -
Correlation Date: 09/01/1992
Distribution Date: 05/27/2004

Map Symbol	Soil Name	Rating	Dominant Component(s) and Reason(s)
AlB2	Alford silt loam, 2 to 6 percent slopes, eroded	Good	
AlC2	Alford silt loam, 6 to 12 percent slopes, eroded	Fair	Component - Alford (85%) • Slope
AlD2	Alford silt loam, 12 to 20 percent slopes, eroded	Poor	Component - Alford (80%) • Slope
BaB2	Baxter very gravelly silt loam, karst, 2 to 6 percent slopes, eroded	Poor	Component - Baxter (85%) • Too clayey • Rock fragments • Hard to reclaim • Too acid
BaC2	Baxter very gravelly silt loam, karst, 6 to 12 percent slopes, eroded	Poor	Component - Baxter (80%) • Too clayey • Rock fragments • Hard to reclaim • Too acid • Slope
BaD2	Baxter very gravelly silt loam, karst, 12 to 20 percent slopes, eroded	Poor	Component - Baxter (80%) • Too clayey • Slope • Rock fragments

			• Hard to reclaim • Too acid
BaE2	Baxter very gravelly silt loam, karst, 20 to 30 percent slopes, eroded	Poor	Component - Baxter (80%) • Slope • Too clayey • Rock fragments • Hard to reclaim • Too acid
BbC3	Baxter very gravelly silty clay loam, karst, 6 to 12 percent slopes, severely eroded	Poor	Component - Baxter (85%) • Too clayey • Rock fragments • Hard to reclaim • Too acid • Slope
BbD3	Baxter very gravelly silty clay loam, karst, 12 to 20 percent slopes, severely eroded	Poor	Component - Baxter (80%) • Too clayey • Slope • Rock fragments • Hard to reclaim • Too acid
BeC4	Baxter soils, karst, 6 to 12 percent slopes, very severely eroded	Poor	Component - Baxter (85%) • Too clayey • Rock fragments • Hard to reclaim • Too acid • Slope
BeD4	Baxter soils, karst, 12 to 20 percent slopes, very severely eroded	Poor	Component - Baxter (80%) • Too clayey • Slope • Rock fragments • Hard to reclaim • Too acid
CaC2	Caneyville silt loam, 6 to 12 percent slopes, eroded	Poor	Component - Caneyville (85%) • Too clayey • Depth to bedrock • Slope
CaD2	Caneyville silt loam, 12 to 20 percent slopes, eroded	Poor	Component - Caneyville (80%) • Too clayey • Slope • Depth to bedrock
CeC3	Caneyville silty clay, 6 to 12 percent slopes, severely eroded	Poor	Component - Caneyville (85%) • Too clayey • Depth to bedrock • Slope
CeD3	Caneyville silty clay, 12 to 20 percent slopes, severely eroded	Poor	Component - Caneyville (85%) • Too clayey • Slope • Depth to bedrock
CkD	Caneyville-Rock outcrop complex, 12 to 30 percent	Poor	Component - Caneyville (40%) • Too clayey

	slopes		• Slope • Depth to bedrock
Cn	Chagrin fine sandy loam, occasionally flooded	Fair	Component - Chagrin (90%) • Rock fragments
Co	Clifty gravelly silt loam, occasionally flooded	Fair	Component - Clifty (80%) • Hard to reclaim • Rock fragments • Too acid
CrB2	Crider silt loam, 2 to 6 percent slopes, eroded	Good	
CrC2	Crider silt loam, 6 to 12 percent slopes, eroded	Fair	Component - Crider (85%) • Slope
CrD2	Crider silt loam, 12 to 20 percent slopes, eroded	Poor	Component - Crider (80%) • Slope
CtC3	Crider silty clay loam, 6 to 12 percent slopes, severely eroded	Fair	Component - Crider (85%) • Slope
CtD3	Crider silty clay loam, 12 to 20 percent slopes, severely eroded	Poor	Component - Crider (85%) • Slope
Cu	Cuba silt loam, occasionally flooded	Fair	Component - Cuba (85%) • Too acid
DAM	Dam, large	Not rated	Component - Dam, large (100%) • Not rated; Slope • Not rated; Clay percent or Organic matter • Not rated; pH • Not rated; % sand or clay • Not rated
EkA	Elk silt loam, 0 to 2 percent slopes	Good	
EkB	Elk silt loam, 2 to 6 percent slopes	Good	
EkC2	Elk silt loam, 6 to 12 percent slopes, eroded	Fair	Component - Elk (90%) • Slope
EkD2	Elk silt loam, 12 to 20 percent slopes, eroded	Poor	Component - Elk (90%) • Slope
EkD3	Elk silt loam, 12 to 20 percent slopes, severely eroded	Poor	Component - Elk (85%) • Slope
EkE	Elk silt loam, 20 to 40 percent slopes	Poor	Component - Elk (85%) • Slope
FcC2	Fredonia-Crider complex, karst, rocky, 6 to 12 percent slopes, eroded	Poor	Component - Fredonia (45%) • Too clayey • Depth to bedrock • Slope
FcD2	Fredonia-Crider complex, karst, rocky, 12 to 20 percent slopes, eroded	Poor	Component - Fredonia (45%) • Too clayey • Slope • Depth to bedrock Component - Crider (30%) • Slope

FrD3	Fredonia-Crider complex, karst, very rocky, 6 to 20 percent slopes, severely eroded	Poor	Component - Fredonia (50%) • Too clayey • Slope • Depth to bedrock
GaB2	Gatton silt loam, 2 to 6 percent slopes, eroded	Fair	Component - Gatton (90%) • Depth to saturated zone • Too acid
GlC2	Gilpin silt loam, 6 to 12 percent slopes, eroded	Fair	Component - Gilpin (90%) • Rock fragments • Depth to bedrock • Too acid • Slope
GlC3	Gilpin silt loam, 6 to 12 percent slopes, severely eroded	Fair	Component - Gilpin (85%) • Depth to bedrock • Rock fragments • Too acid • Slope
GwF	Gilpin-Dekalb-Rock outcrop complex, 30 to 60 percent slopes	Poor	Component - Gilpin (35%) • Slope • Rock fragments • Depth to bedrock • Too acid Component - Dekalb (25%) • Slope • Rock fragments • Too acid • Depth to bedrock
HaB2	Hammack silt loam, 2 to 6 percent slopes, eroded	Good	
HbC2	Hammack-Baxter complex, karst, 6 to 12 percent slopes, eroded	Fair	Component - Hammack (45%) • Slope
HbC3	Hammack-Baxter complex, karst, 6 to 12 percent slopes, severely eroded	Fair	Component - Hammack (41%) • Slope
HoB2	Hosmer silt loam, 2 to 6 percent slopes, eroded	Fair	Component - Hosmer (90%) • Depth to saturated zone • Too acid
HoC2	Hosmer silt loam, 6 to 12 percent slopes, eroded	Fair	Component - Hosmer (85%) • Depth to saturated zone • Too acid • Slope
Hu	Huntington silt loam, occasionally flooded	Good	
LaB	Lakin loamy fine sand, 2 to 6 percent slopes	Fair	Component - Lakin (90%) • Too sandy • Too acid
LaC	Lakin loamy fine sand, 6 to 15 percent slopes	Fair	Component - Lakin (90%) • Too sandy • Slope

			• Too acid
Ld	Lindside silt loam, occasionally flooded	Fair	Component - Lindside (90%) • Depth to saturated zone
Ln	Lindside silt loam, depressional, frequently flooded	Fair	Component - Lindside (90%) • Depth to saturated zone
MaC3	Markland silty clay loam, 6 to 12 percent slopes, severely eroded	Poor	Component - Markland (90%) • Too clayey • Slope
MaD3	Markland silty clay loam, 12 to 35 percent slopes, severely eroded	Poor	Component - Markland (90%) • Too clayey • Slope
Mc	McGary silt loam	Poor	Component - McGary (90%) • Too clayey • Depth to saturated zone
Me	Melvin silt loam, occasionally flooded	Poor	Component - Melvin (90%) • Depth to saturated zone
Mf	Melvin silt loam, depressional, frequently flooded	Poor	Component - Melvin (90%) • Depth to saturated zone
Na	Newark silt loam, occasionally flooded	Poor	Component - Newark (85%) • Depth to saturated zone
Ne	Newark silt loam, depressional, frequently flooded	Poor	Component - Newark (85%) • Depth to saturated zone
NhB2	Nicholson silt loam, 2 to 6 percent slopes, eroded	Fair	Component - Nicholson (90%) • Depth to saturated zone
NhC2	Nicholson silt loam, 6 to 12 percent slopes, eroded	Fair	Component - Nicholson (85%) • Depth to saturated zone • Slope
NkC4	Nicholson soils, 4 to 12 percent slopes, very severely eroded	Fair	Component - Nicholson (85%) • Depth to saturated zone • Slope
No	Nolin silt loam, occasionally flooded	Good	
Nv	Nolin silt loam, depressional, frequently flooded	Good	
PeA	Pekin silt loam, 0 to 2 percent slopes	Fair	Component - Pekin (85%) • Depth to saturated zone
PeB	Pekin silt loam, 2 to 6 percent slopes	Fair	Component - Pekin (90%) • Depth to saturated zone
Pt	Pits, quarries	Not rated	Component - Pits, quarries (90%) • Not rated; Slope • Not rated; Clay percent or Organic matter • Not rated; pH • Not rated; % sand or clay • Not rated
RaC2	Riney loam, 6 to 12 percent slopes, eroded	Fair	Component - Riney (85%) • Rock fragments • Too acid

			• Slope
ReD	Riney-Lily complex, 12 to 20 percent slopes	Poor	Component - Riney (45%) • Slope • Rock fragments • Too acid Component - Lily (30%) • Slope • Rock fragments • Depth to bedrock • Too acid
ReE	Riney-Lily complex, 20 to 30 percent slopes	Poor	Component - Riney (41%) • Slope • Rock fragments • Too acid Component - Lily (39%) • Slope • Rock fragments • Depth to bedrock • Too acid
Rf	Robbs silt loam	Poor	Component - Robbs (90%) • Depth to saturated zone • Hard to reclaim • Too acid
RkF	Rock outcrop-Caneyville complex, 30 to 90 percent slopes	Not rated	Component - Rock outcrop (40%) • Not rated; Slope • Not rated; Clay percent or Organic matter • Not rated; pH • Not rated; % sand or clay • Not rated Component - Caneyville (30%) • Not rated; Clay percent or Organic matter • Not rated; Organic matter • Slope • Depth to bedrock
RmD	Rock outcrop-Corydon complex, 12 to 30 percent slopes	Not rated	Component - Rock outcrop (50%) • Not rated; Slope • Not rated; Clay percent or Organic matter • Not rated; pH • Not rated; % sand or clay • Not rated
RnC2	Rosine silt loam, 6 to 12 percent slopes, eroded	Fair	Component - Rosine (85%) • Rock fragments • Too clayey • Too acid • Slope
RoC3	Rosine silty clay loam, 6 to 12 percent slopes, severely eroded	Fair	Component - Rosine (80%) • Rock fragments • Too clayey • Too acid • Slope

RsD2	Rosine-Gilpin-Lenberg complex, 12 to 20 percent slopes, eroded	Poor	Component - Rosine (35%) • Slope • Rock fragments • Too clayey • Too acid Component - Gilpin (25%) • Slope • Rock fragments • Depth to bedrock • Too acid Component - Lenberg (20%) • Too clayey • Slope • Depth to bedrock • Too acid • Rock fragments
RsD3	Rosine-Gilpin-Lenberg complex, 12 to 20 percent slopes, severely eroded	Poor	Component - Rosine (35%) • Slope • Rock fragments • Too clayey • Too acid Component - Gilpin (25%) • Slope • Rock fragments • Depth to bedrock • Too acid Component - Lenberg (20%) • Too clayey • Slope • Depth to bedrock • Too acid
RsE	Rosine-Gilpin-Lenberg complex, very rocky, 20 to 30 percent slopes	Poor	Component - Rosine (31%) • Slope • Rock fragments • Too clayey • Too acid Component - Gilpin (29%) • Slope • Rock fragments • Depth to bedrock • Too acid Component - Lenberg (15%) • Slope • Too clayey • Depth to bedrock • Too acid
SaA	Sadler silt loam, 0 to 2 percent slopes	Fair	Component - Sadler (90%) • Depth to saturated zone • Too acid
SaB2	Sadler silt loam, 2 to 6	Fair	Component - Sadler (90%)

	percent slopes, eroded		• Depth to saturated zone • Too acid
ScA	Sciotoville silt loam, 0 to 2 percent slopes	Fair	Component - Sciotoville (90%) • Depth to saturated zone
ScB	Sciotoville silt loam, 2 to 6 percent slopes	Fair	Component - Sciotoville (90%) • Depth to saturated zone
Sf	Steff silt loam, occasionally flooded	Fair	Component - Steff (85%) • Depth to saturated zone • Too acid
St	Stendal silt loam, occasionally flooded	Poor	Component - Stendal (90%) • Depth to saturated zone
VrF	Varilla-Gilpin-Rock outcrop complex, very bouldery, 20 to 65 percent slopes	Poor	Component - Varilla (35%) • Slope • Hard to reclaim • Rock fragments • Too acid Component - Gilpin (20%) • Slope • Rock fragments • Depth to bedrock • Too acid
W	Water	Not rated	Component - Water (100%) • Not rated; Slope • Not rated; Clay percent or Organic matter • Not rated; pH • Not rated; % sand or clay • Not rated
We	Weinbach silt loam	Poor	Component - Weinbach (85%) • Depth to saturated zone
WtF	Westmoreland-Caneyville-Rock outcrop complex, 30 to 80 percent slopes	Poor	Component - Westmoreland (30%) • Slope • Rock fragments • Hard to reclaim • Too acid Component - Caneyville (25%) • Slope • Too clayey • Depth to bedrock
WxB	Wheeling fine sandy loam, 2 to 6 percent slopes	Fair	Component - Wheeling (90%) • Rock fragments
WxC2	Wheeling fine sandy loam, 6 to 12 percent slopes, eroded	Fair	Component - Wheeling (90%) • Rock fragments • Slope
Ya	Yeager loamy sand, occasionally flooded	Fair	Component - Yeager (90%) • Too sandy • Rock fragments
ZaB2	Zanesville silt loam, 2 to 6 percent slopes, eroded	Fair	Component - Zanesville (90%) • Depth to saturated zone • Too acid
ZaC2	Zanesville silt loam, 6 to	Fair	Component - Zanesville (85%)

	12 percent slopes, eroded		• Depth to saturated zone • Slope • Too acid
ZnC3	Zanesville silty clay loam, 6 to 12 percent slopes, severely eroded	Fair	Component - Zanesville (80%) • Depth to saturated zone • Slope • Too acid