
Soils Report

Contact your local District Conservationist for site specific assistance

Lawn, Landscape, Golf Fairway - Dominant Condition

The soils are rated for their use in establishing and maintaining turf for lawns and golf fairways and ornamental trees and shrubs for residential or commercial landscaping. The ratings are based on the use of soil material at the location that may have some land smoothing. Irrigation may or may not be needed and is not a criterion in rating. Traps, trees, roughs, and greens are not considered as part of the golf fairway.

The limitations are considered not limiting if soil properties and site features are generally favorable for the indicated use and limitations are minor and easily overcome. A somewhat limiting limitation indicates soil properties or site features are not favorable for the indicated use and special planning, design, or maintenance is needed to overcome or minimize the limitations. A very limiting limitation 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. Special feasibility studies may be required where the soil limitations are very limiting.

Soil Survey: Knott and Letcher Counties, Kentucky

Survey Status: -

Correlation Date: 03/01/1997

Distribution Date: 12/08/2004

Map

Symbol	Soil Name	Rating	Dominant Component(s) and Reason(s)
AIC	Allegheny loam, 2 to 15 percent slopes	Somewhat limited	Component - Allegheny (80%) • Slope
AtF	Alticrest-Ramsey-Wallen complex, 20 to 55 percent slopes, rocky	Very limited	Component - Alticrest (35%) • Slope • Depth to bedrock • Droughty Component - Ramsey (30%) • Depth to bedrock • Slope • Droughty • Content of large stones Component - Wallen (20%) • Slope • Droughty • Depth to bedrock • Content of large stones • Gravel content
BcG	Berks-Caneyville complex, 50 to 120 percent slopes, very rocky	Very limited	Component - Berks (50%) • Slope • Droughty • Depth to bedrock • Gravel content • Content of large stones Component - Caneyville (20%)

CbF	Caneyville-Reno-Bledsoe complex, 50 to 80 percent slope, extremely stony	Very limited	<ul style="list-style-type: none"> • Slope • Depth to bedrock • Droughty Component - Caneyville (30%) <ul style="list-style-type: none"> • Slope • Depth to bedrock Component - Reno (30%) <ul style="list-style-type: none"> • Slope Component - Bledsoe (25%)
CgF	Cloverlick-Guyandotte-Highsplint complex, 35 to 80 percent slopes, very stony	Very limited	<ul style="list-style-type: none"> • Slope Component - Cloverlick (45%) <ul style="list-style-type: none"> • Slope • Gravel content • Content of large stones Component - Guyandotte (20%) <ul style="list-style-type: none"> • Slope • Gravel content • Content of large stones Component - Highsplint (20%) <ul style="list-style-type: none"> • Slope • Content of large stones • Gravel content • Droughty Component - Kimper (30%) <ul style="list-style-type: none"> • Slope Component - Cloverlick (30%) <ul style="list-style-type: none"> • Slope • Gravel content • Content of large stones Component - Kimper (20%)
CkF	Cloverlick-Kimper-Highsplint complex, 30 to 65 percent slopes, very stony	Very limited	<ul style="list-style-type: none"> • Slope • Content of large stones • Gravel content • Droughty Component - Kimper (30%) <ul style="list-style-type: none"> • Slope Component - Cloverlick (30%) <ul style="list-style-type: none"> • Slope • Gravel content • Content of large stones Component - Highsplint (20%) <ul style="list-style-type: none"> • Slope • Content of large stones • Gravel content Component - Shelocta (30%) <ul style="list-style-type: none"> • Slope Component - Cloverlick (30%) <ul style="list-style-type: none"> • Slope • Gravel content • Content of large stones Component - Kimper (20%) <ul style="list-style-type: none"> • Slope Component - Dam (100%) <ul style="list-style-type: none"> • Not rated; Surface clay percent • Not rated; Slope • Not rated; Surface Fragments > 75mm • Not rated; Sieve size, 3 to 10", > 10" • Not rated; pH Component - Dekalb (35%) <ul style="list-style-type: none"> • Slope • Droughty
CsF	Cloverlick-Shelocta-Kimper complex, 20 to 70 percent slopes, stony	Very limited	
DAM	Dam, large earthen	Not rated	
DgF	Dekalb-Gilpin-Marrowbone complex, 20 to 80 percent slopes, very	Very limited	

	rocky		<ul style="list-style-type: none"> • Depth to bedrock • Gravel content • Content of large stones
			<ul style="list-style-type: none"> • Component - Gilpin (25%) • Slope • Depth to bedrock
			<ul style="list-style-type: none"> • Component - Marrowbone (15%) • Slope • Depth to bedrock
DrF	Dekalb-Gilpin-Rayne complex, 25 to 65 percent slopes, very rocky	Very limited	<ul style="list-style-type: none"> • Component - Dekalb (40%) • Slope • Droughty • Depth to bedrock • Gravel content • Content of large stones
			<ul style="list-style-type: none"> • Component - Rayne (20%) • Slope • Component - Gilpin (20%) • Slope • Depth to bedrock
FaF	Fedscreen-Shelocta-Handshoe complex, 30 to 80 percent slopes, very stony	Very limited	<ul style="list-style-type: none"> • Component - Shelocta (30%) • Slope • Component - Fedscreen (30%) • Slope • Component - Handshoe (25%) • Slope • Gravel content • Content of large stones
FkE	Fiveblock and Kaymine soils, 0 to 30 percent slopes, stony	Very limited	<ul style="list-style-type: none"> • Component - Fiveblock (40%) • Slope • Content of large stones • Gravel content • Droughty
			<ul style="list-style-type: none"> • Component - Kaymine (40%) • Slope • Gravel content • Content of large stones
GID	Gilpin-Shelocta complex, 12 to 25 percent slopes	Very limited	<ul style="list-style-type: none"> • Component - Gilpin (40%) • Slope • Depth to bedrock
			<ul style="list-style-type: none"> • Component - Shelocta (35%) • Slope • Component - Gilpin (30%) • Slope • Depth to bedrock
GmF	Gilpin-Summers-Kimper complex, 20 to 55 percent slopes, very stony	Very limited	<ul style="list-style-type: none"> • Component - Summers (25%) • Slope • Content of large stones • Depth to bedrock • Droughty

Gr	Grigsby sandy loam, occasionally flooded	Somewhat limited	Component - Kimper (20%) • Slope • Content of large stones Component - Grigsby (85%) • Flooding
GuB	Grigsby-Urban land complex, 0 to 6 percent slopes, occasionally flooded	Somewhat limited	Component - Grigsby (65%) • Flooding
HaF	Handshoe-Feds creek-Marrowbone complex, 30 to 80 percent slopes, very stony	Very limited	Component - Handshoe (35%) • Slope • Gravel content • Content of large stones Component - Feds creek (25%) • Slope Component - Marrowbone (15%) • Slope • Depth to bedrock
HeF	Helechawa-Varilla-Jefferson complex, 35 to 75 percent slopes, very rocky	Very limited	Component - Helechawa (27%) • Slope • Content of large stones Component - Varilla (27%) • Slope • Droughty • Gravel content • Content of large stones Component - Jefferson (20%) • Slope
HsF	Highsplint-Shelocta-Dekalb complex, 35 to 80 percent slopes, very stony	Very limited	Component - Highsplint (35%) • Slope • Gravel content • Content of large stones Component - Shelocta (25%) • Slope • Gravel content • Content of large stones Component - Dekalb (15%) • Slope • Droughty • Depth to bedrock • Gravel content • Content of large stones
HtF	Highsplint-Shelocta-Muse complex, 30 to 80 percent slopes, extremely stony	Very limited	Component - Highsplint (30%) • Slope • Content of large stones • Gravel content Component - Shelocta (25%) • Slope • Gravel content • Content of large stones Component - Muse (15%)

Hy	Holly loam, frequently flooded	Very limited	<ul style="list-style-type: none"> • Slope Component - Holly (85%)
ImF	Itmann very channery sandy loam, 4 to 80 percent slopes	Very limited	<ul style="list-style-type: none"> • Flooding • Depth to saturated zone Component - Itmann (90%) <ul style="list-style-type: none"> • Gravel content • Slope • Droughty • Content of large stones
KfF	Kaymine, Fairpoint, and Fiveblock soils, benched, 2 to 70 percent slopes, very stony	Very limited	Component - Kaymine (40%) <ul style="list-style-type: none"> • Slope • Gravel content • Content of large stones Component - Fairpoint (20%) <ul style="list-style-type: none"> • Slope • Droughty • Content of large stones • Gravel content
KrF	Kimper-Cloverlick-Renox complex, 30 to 80 percent slopes, extremely stony	Very limited	Component - Fiveblock (15%) <ul style="list-style-type: none"> • Slope • Content of large stones • Gravel content Component - Kimper (30%) <ul style="list-style-type: none"> • Slope Component - Cloverlick (25%) <ul style="list-style-type: none"> • Slope • Gravel content • Content of large stones
Pt	Pits, quarries	Not rated	Component - Renox (20%) <ul style="list-style-type: none"> • Slope Component - Pits, quarries (100%) <ul style="list-style-type: none"> • Not rated; Surface clay percent • Not rated; Slope • Not rated; Surface Fragments > 75mm • Not rated; Sieve size, 3 to 10", > 10" • Not rated; pH
RgB	Rowdy-Grigsby complex, 0 to 4 percent slopes, occasionally flooded	Somewhat limited	Component - Rowdy (45%) <ul style="list-style-type: none"> • Flooding
ShF	Shelocta-Highsplint complex, 30 to 65 percent slopes, very stony	Very limited	Component - Grigsby (35%) <ul style="list-style-type: none"> • Flooding Component - Shelocta (55%) <ul style="list-style-type: none"> • Slope Component - Highsplint (25%) <ul style="list-style-type: none"> • Slope • Content of large stones
SmF	Shelocta-Muse complex, 15 to 50 percent slopes, very stony	Very limited	Component - Highsplint (25%) <ul style="list-style-type: none"> • Slope • Content of large stones • Gravel content Component - Shelocta (45%) <ul style="list-style-type: none"> • Slope • Gravel content

UdE	Udorthents-Urban land complex, steep	Not rated	<ul style="list-style-type: none"> • Content of large stones Component - Muse (35%) <ul style="list-style-type: none"> • Slope Component - Udorthents (60%) <ul style="list-style-type: none"> • Not rated; Surface clay percent • Not rated; Surface Fragments > 75mm • Not rated; Sieve size, 3 to 10", > 10" • Not rated; pH • Not rated; AWC Component - Urban land (25%) <ul style="list-style-type: none"> • Not rated; Surface clay percent • Not rated; Surface Fragments > 75mm • Not rated; Sieve size, 3 to 10", > 10" • Not rated; pH • Not rated; AWC
UrC	Urban land-Udorthents complex, 0 to 15 percent slopes	Not rated	Component - Urban land (60%) <ul style="list-style-type: none"> • Not rated; Surface clay percent • Not rated; Surface Fragments > 75mm • Not rated; Sieve size, 3 to 10", > 10" • Not rated; pH • Not rated; AWC Component - Udorthents (25%) <ul style="list-style-type: none"> • Not rated; Surface clay percent • Not rated; Surface Fragments > 75mm • Not rated; Sieve size, 3 to 10", > 10" • Not rated; pH • Not rated; AWC
UuB	Urban land-Udorthents-Grigsby complex, 0 to 6 percent slopes, rarely flooded	Not rated	Component - Urban land (40%) <ul style="list-style-type: none"> • Not rated; Surface clay percent • Not rated; Surface Fragments > 75mm • Not rated; Sieve size, 3 to 10", > 10" • Not rated; pH • Not rated; AWC Component - Udorthents (30%) <ul style="list-style-type: none"> • Not rated; Surface clay percent • Not rated; Surface Fragments > 75mm • Not rated; Sieve size, 3 to 10", > 10" • Not rated; pH • Not rated; AWC
VaF	Varilla-Jefferson-Alticrest complex, 35 to 75 percent slopes, very rocky	Very limited	Component - Varilla (40%) <ul style="list-style-type: none"> • Slope • Gravel content • Droughty Component - Jefferson (25%) <ul style="list-style-type: none"> • Slope Component - Alticrest (15%) <ul style="list-style-type: none"> • Slope • Depth to bedrock • Droughty

W

Water

Not rated

Component - Water (100%)

- Not rated; Surface clay percent
- Not rated; Slope
- Not rated; Surface Fragments > 75mm
- Not rated; Sieve size, 3 to 10", > 10"
- Not rated; pH