
Soils Report

Contact your local District Conservationist for site specific assistance

Small Commercial Buildings - Dominant Condition

Small commercial buildings are those buildings that are less than three stories without basements. The foundation is assumed to be spread footings of reinforced concrete at a depth of 2 feet or at the depth of maximum frost penetration, whichever is deeper.

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	Very limited	Component - Allegheny (80%) • Slope
AtF	Alticrest-Ramsey-Wallen complex, 20 to 55 percent slopes, rocky	Very limited	Component - Alticrest (35%) • Slope • Depth to hard bedrock Component - Ramsey (30%) • Slope • Depth to hard bedrock Component - Wallen (20%) • Slope • Depth to hard bedrock
BcG	Berks-Caneyville complex, 50 to 120 percent slopes, very rocky	Very limited	Component - Berks (50%) • Slope • Depth to hard bedrock Component - Caneyville (20%) • Slope • Depth to hard bedrock
CbF	Caneyville-Renox-Bledsoe complex, 50 to 80 percent slope, extremely stony	Very limited	• Shrink-swell Component - Caneyville (30%) • Slope • Shrink-swell • Depth to hard bedrock Component - Renox (30%) • Slope Component - Bledsoe (25%) • Slope • Shrink-swell

CgF	Cloverlick-Guyandotte-Highsplint complex, 35 to 80 percent slopes, very stony	Very limited	<p>Component - Cloverlick (45%)</p> <ul style="list-style-type: none"> • Slope <p>Component - Guyandotte (20%)</p> <ul style="list-style-type: none"> • Slope <p>Component - Highsplint (20%)</p> <ul style="list-style-type: none"> • Slope
CkF	Cloverlick-Kimper-Highsplint complex, 30 to 65 percent slopes, very stony	Very limited	<p>Component - Kimper (30%)</p> <ul style="list-style-type: none"> • Slope <p>Component - Cloverlick (30%)</p> <ul style="list-style-type: none"> • Slope <p>Component - Highsplint (20%)</p> <ul style="list-style-type: none"> • Slope
CsF	Cloverlick-Shelocta-Kimper complex, 20 to 70 percent slopes, stony	Very limited	<p>Component - Shelocta (30%)</p> <ul style="list-style-type: none"> • Slope <p>Component - Cloverlick (30%)</p> <ul style="list-style-type: none"> • Slope <p>Component - Kimper (20%)</p> <ul style="list-style-type: none"> • Slope
DAM	Dam, large earthen	Not rated	<p>Component - Dam (100%)</p> <ul style="list-style-type: none"> • Not rated; Slope • Not rated; Fragments > 75mm
DgF	Dekalb-Gilpin-Marrowbone complex, 20 to 80 percent slopes, very rocky	Very limited	<p>Component - Dekalb (35%)</p> <ul style="list-style-type: none"> • Slope • Depth to hard bedrock <p>Component - Gilpin (25%)</p> <ul style="list-style-type: none"> • Slope <p>Component - Marrowbone (15%)</p> <ul style="list-style-type: none"> • Slope • Depth to hard bedrock
DrF	Dekalb-Gilpin-Rayne complex, 25 to 65 percent slopes, very rocky	Very limited	<p>Component - Dekalb (40%)</p> <ul style="list-style-type: none"> • Slope • Depth to hard bedrock <p>Component - Rayne (20%)</p> <ul style="list-style-type: none"> • Slope <p>Component - Gilpin (20%)</p> <ul style="list-style-type: none"> • Slope
FaF	Feds creek-Shelocta-Handshoe complex, 30 to 80 percent slopes, very stony	Very limited	<p>Component - Shelocta (30%)</p> <ul style="list-style-type: none"> • Slope <p>Component - Feds creek (30%)</p> <ul style="list-style-type: none"> • Slope <p>Component - Handshoe (25%)</p> <ul style="list-style-type: none"> • Slope
FkE	Fiveblock and Kaymine soils, 0 to 30 percent slopes, stony	Very limited	<p>Component - Fiveblock (40%)</p> <ul style="list-style-type: none"> • Slope • Content of large stones <p>Component - Kaymine (40%)</p> <ul style="list-style-type: none"> • Slope
GID	Gilpin-Shelocta complex, 12 to 25 percent slopes	Very limited	<p>Component - Gilpin (40%)</p> <ul style="list-style-type: none"> • Slope <p>Component - Shelocta (35%)</p> <ul style="list-style-type: none"> • Slope

GmF	Gilpin-Summers-Kimper complex, 20 to 55 percent slopes, very stony	Very limited	Component - Gilpin (30%) • Slope Component - Summers (25%) • Slope • Content of large stones • Depth to hard bedrock Component - Kimper (20%) • Slope
Gr	Grigsby sandy loam, occasionally flooded	Very limited	Component - Grigsby (85%) • Flooding
GuB	Grigsby-Urban land complex, 0 to 6 percent slopes, occasionally flooded	Very limited	Component - Grigsby (65%) • Flooding
HaF	Handshoe-Feds creek-Marrowbone complex, 30 to 80 percent slopes, very stony	Very limited	Component - Handshoe (35%) • Slope Component - Feds creek (25%) • Slope Component - Marrowbone (15%) • Slope • Depth to hard bedrock
HeF	Helechawa-Varilla-Jefferson complex, 35 to 75 percent slopes, very rocky	Very limited	Component - Helechawa (27%) • Slope Component - Varilla (27%) • Slope • 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 Component - Shelocta (25%) • Slope Component - Dekalb (15%) • Slope • Depth to hard bedrock
HtF	Highsplint-Shelocta-Muse complex, 30 to 80 percent slopes, extremely stony	Very limited	Component - Highsplint (30%) • Slope Component - Shelocta (25%) • Slope Component - Muse (15%) • Slope • Shrink-swell
Hy	Holly loam, frequently flooded	Very limited	Component - Holly (85%) • Flooding • Depth to saturated zone
ImF	Itmann very channery sandy loam, 4 to 80 percent slopes	Very limited	Component - Itmann (90%) • Slope
KfF	Kaymine, Fairpoint, and Fiveblock soils, benched, 2 to 70 percent slopes, very	Very limited	Component - Kaymine (40%) • Slope Component - Fairpoint (20%)

	stony		<ul style="list-style-type: none"> • Slope • Shrink-swell
KrF	Kimper-Cloverlick-Renox complex, 30 to 80 percent slopes, extremely stony	Very limited	Component - Fiveblock (15%) <ul style="list-style-type: none"> • Slope Component - Kimper (30%) <ul style="list-style-type: none"> • Slope Component - Cloverlick (25%) <ul style="list-style-type: none"> • Slope Component - Renox (20%) <ul style="list-style-type: none"> • Slope
Pt	Pits, quarries	Not rated	Component - Pits, quarries (100%) <ul style="list-style-type: none"> • Not rated; Slope
RgB	Rowdy-Grigsby complex, 0 to 4 percent slopes, occasionally flooded	Very limited	Component - Rowdy (45%) <ul style="list-style-type: none"> • Not rated; Fragments > 75mm Component - Grigsby (35%) <ul style="list-style-type: none"> • Flooding
ShF	Shelocta-Highsplint complex, 30 to 65 percent slopes, very stony	Very limited	Component - Shelocta (55%) <ul style="list-style-type: none"> • Flooding Component - Highsplint (25%) <ul style="list-style-type: none"> • Slope
SmF	Shelocta-Muse complex, 15 to 50 percent slopes, very stony	Very limited	Component - Shelocta (45%) <ul style="list-style-type: none"> • Slope Component - Muse (35%) <ul style="list-style-type: none"> • Slope
UdE	Udorthents-Urban land complex, steep	Not rated	Component - Udorthents (60%) <ul style="list-style-type: none"> • Shrink-swell • Not rated; Fragments > 75mm Component - Urban land (25%) <ul style="list-style-type: none"> • Slope • Not rated; Fragments > 75mm
UrC	Urban land-Udorthents complex, 0 to 15 percent slopes	Not rated	Component - Urban land (60%) <ul style="list-style-type: none"> • Not rated; Fragments > 75mm Component - Udorthents (25%) <ul style="list-style-type: none"> • Slope • Not rated; Fragments > 75mm
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; Fragments > 75mm Component - Udorthents (30%) <ul style="list-style-type: none"> • Not rated; Fragments > 75mm
VaF	Varilla-Jefferson-Alticrest complex, 35 to 75 percent slopes, very rocky	Very limited	Component - Varilla (40%) <ul style="list-style-type: none"> • Not rated; Fragments > 75mm Component - Jefferson (25%) <ul style="list-style-type: none"> • Slope Component - Alticrest (15%) <ul style="list-style-type: none"> • Slope
W	Water	Not rated	Component - Water (100%) <ul style="list-style-type: none"> • Slope • Depth to hard bedrock

- Not rated; Slope
- Not rated; Fragments > 75mm