
Soils Report

Contact your local District Conservationist for site specific assistance

Playgrounds - Dominant Condition

Playgrounds are areas used intensively for games, such as baseball and football, and similar activities. Playgrounds require a nearly level soil that is free of stones and that can withstand heavy foot traffic and still maintain adequate vegetation. Soils are rated on the basis of properties that influence the cost of shaping, trafficability, and the growth of vegetation.

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 bedrock • Gravel content Component - Ramsey (30%) • Slope • Depth to bedrock • Gravel content • Content of large stones Component - Wallen (20%) • Slope • Gravel content • Depth to bedrock • Content of large stones
BcG	Berks-Caneyville complex, 50 to 120 percent slopes, very rocky	Very limited	Component - Berks (50%) • Slope • Gravel content • Depth to bedrock • Content of large stones Component - Caneyville (20%) • Slope • Depth to bedrock • Restricted permeability
CbF	Caneyville-Renox-Bledsoe complex, 50 to 80 percent slope, extremely stony	Very limited	Component - Caneyville (30%) • Slope • Too Stony • Restricted permeability • Depth to bedrock Component - Renox (30%) • Slope • Too Stony Component - Bledsoe (25%)

CgF	Cloverlick-Guyandotte-Highsplint complex, 35 to 80 percent slopes, very stony	Very limited	<ul style="list-style-type: none"> • Slope • Too Stony • Restricted permeability • Gravel content Component - Cloverlick (45%) <ul style="list-style-type: none"> • Slope • Gravel content • Too Stony • Content of large stones Component - Guyandotte (20%) <ul style="list-style-type: none"> • Gravel content • Slope • Too Stony • Content of large stones Component - Highsplint (20%) <ul style="list-style-type: none"> • Slope • Gravel content • Content of large stones • Too Stony
CkF	Cloverlick-Kimper-Highsplint complex, 30 to 65 percent slopes, very stony	Very limited	Component - Kimper (30%) <ul style="list-style-type: none"> • Slope • Too Stony Component - Cloverlick (30%) <ul style="list-style-type: none"> • Slope • Gravel content • Too Stony • Content of large stones Component - Highsplint (20%) <ul style="list-style-type: none"> • Slope • Gravel content • Too Stony • Content of large stones
CsF	Cloverlick-Shelocta-Kimper complex, 20 to 70 percent slopes, stony	Very limited	Component - Shelocta (30%) <ul style="list-style-type: none"> • Slope • Gravel content 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
DAM	Dam, large earthen	Not rated	Component - Dam (100%) <ul style="list-style-type: none"> • Not rated; Ksat or taxonomic class • Not rated; Surface Fragments > 75mm • Not rated; Sieve size, 3 to 10", > 10" • Not rated; Slope
DgF	Dekalb-Gilpin-Marrowbone complex, 20 to 80 percent slopes, very	Very limited	Component - Dekalb (35%) <ul style="list-style-type: none"> • Slope • Gravel content

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

	complex, 20 to 55 percent slopes, very stony		<ul style="list-style-type: none"> • Slope • Too Stony • Gravel content • Depth to bedrock
			Component - Summers (25%)
			<ul style="list-style-type: none"> • Slope • Content of large stones • Gravel content • Too Stony • Depth to bedrock
			Component - Kimper (20%)
			<ul style="list-style-type: none"> • Slope • Too Stony • Content of large stones
Gr	Grigsby sandy loam, occasionally flooded	Somewhat limited	Component - Grigsby (85%)
GuB	Grigsby-Urban land complex, 0 to 6 percent slopes, occasionally flooded	Somewhat limited	<ul style="list-style-type: none"> • Flooding
			Component - Grigsby (65%)
			<ul style="list-style-type: none"> • Flooding
HaF	Handshoe-Feds creek-Marrowbone complex, 30 to 80 percent slopes, very stony	Very limited	Component - Handshoe (35%)
			<ul style="list-style-type: none"> • Slope • Gravel content • Too Stony • Content of large stones
			Component - Feds creek (25%)
			<ul style="list-style-type: none"> • Slope • Too Stony • Gravel content
			Component - Marrowbone (15%)
			<ul style="list-style-type: none"> • Slope • Gravel content • Too Stony • Depth to bedrock
HeF	Helechawa-Varilla-Jefferson complex, 35 to 75 percent slopes, very rocky	Very limited	Component - Helechawa (27%)
			<ul style="list-style-type: none"> • Slope • Too Stony • Content of large stones
			Component - Varilla (27%)
			<ul style="list-style-type: none"> • Slope • Gravel content • Too Stony • Content of large stones
			Component - Jefferson (20%)
			<ul style="list-style-type: none"> • Slope • Too Stony • Gravel content
HsF	Highsplint-Shelockta-Dekalb complex, 35 to 80 percent slopes, very stony	Very limited	Component - Highsplint (35%)
			<ul style="list-style-type: none"> • Slope • Gravel content

			<ul style="list-style-type: none"> • Too Stony • Content of large stones
			<ul style="list-style-type: none"> • Slope • Gravel content • Too Stony • Content of large stones
			<ul style="list-style-type: none"> • Content of large stones • Slope • Gravel content • Depth to bedrock • Too Stony • Content of large stones
HtF	Highsplint-Shelocta-Muse complex, 30 to 80 percent slopes, extremely stony	Very limited	<ul style="list-style-type: none"> • Component - Shelocta (25%) • Component - Dekalb (15%) • Component - Highsplint (30%) • Slope • Too Stony • Gravel content • Content of large stones
			<ul style="list-style-type: none"> • Component - Shelocta (25%) • Slope • Too Stony • Gravel content • Content of large stones
			<ul style="list-style-type: none"> • Component - Muse (15%) • Slope • Too Stony • Restricted permeability • Gravel content
Hy	Holly loam, frequently flooded	Very limited	<ul style="list-style-type: none"> • Component - Holly (85%) • Depth to saturated zone • Flooding
ImF	Itmann very channery sandy loam, 4 to 80 percent slopes	Very limited	<ul style="list-style-type: none"> • Component - Itmann (90%) • Gravel content • Slope • Content of large stones
KfF	Kaymine, Fairpoint, and Fiveblock soils, benched, 2 to 70 percent slopes, very stony	Very limited	<ul style="list-style-type: none"> • Component - Kaymine (40%) • Gravel content • Slope • Content of large stones • Too Stony • Component - Fairpoint (20%) • Gravel content • Slope • Too Stony • Content of large stones • Restricted permeability • Component - Fiveblock (15%) • Gravel content • Slope • Content of large stones

KrF	Kimper-Cloverlick-Renox complex, 30 to 80 percent slopes, extremely stony	Very limited	<ul style="list-style-type: none"> • Too Stony Component - Kimper (30%) <ul style="list-style-type: none"> • Slope <ul style="list-style-type: none"> • Too Stony Component - Cloverlick (25%) <ul style="list-style-type: none"> • Slope <ul style="list-style-type: none"> • Too Stony <ul style="list-style-type: none"> • Gravel content • Content of large stones Component - Renox (20%) <ul style="list-style-type: none"> • Slope <ul style="list-style-type: none"> • Too Stony
Pt	Pits, quarries	Not rated	Component - Pits, quarries (100%) <ul style="list-style-type: none"> • Not rated; Ksat or taxonomic class • Not rated; Surface Fragments > 75mm • Not rated; Sieve size, 3 to 10", > 10" • Not rated; Slope • Not rated; Slope
RgB	Rowdy-Grigsby complex, 0 to 4 percent slopes, occasionally flooded	Somewhat limited	Component - Rowdy (45%) <ul style="list-style-type: none"> • Flooding 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"> • Slope • Too Stony • Gravel content Component - Highsplint (25%) <ul style="list-style-type: none"> • Slope • Gravel content • Too Stony • Content of large stones
SmF	Shelocta-Muse complex, 15 to 50 percent slopes, very stony	Very limited	Component - Shelocta (45%) <ul style="list-style-type: none"> • Slope • Gravel content • Too Stony • Content of large stones Component - Muse (35%) <ul style="list-style-type: none"> • Slope • Restricted permeability • Too Stony • Gravel content
UdE	Udorthents-Urban land complex, steep	Not rated	Component - Udorthents (60%) <ul style="list-style-type: none"> • Not rated; Ksat or taxonomic class • Not rated; Surface Fragments > 75mm • Not rated; Sieve size, 3 to 10", > 10" • Not rated; Unified • Not rated; % surface sand or clay Component - Urban land (25%) <ul style="list-style-type: none"> • Not rated; Ksat or taxonomic class • Not rated; Surface Fragments > 75mm

UrC	Urban land-Udorhtents complex, 0 to 15 percent slopes	Not rated	<ul style="list-style-type: none"> • Not rated; Sieve size, 3 to 10", > 10" • Not rated; Unified • Not rated; % surface sand or clay Component - Urban land (60%) <ul style="list-style-type: none"> • Not rated; Ksat or taxonomic class • Not rated; Surface Fragments > 75mm • Not rated; Sieve size, 3 to 10", > 10" • Not rated; Unified • Not rated; % surface sand or clay Component - Udorhtents (25%) <ul style="list-style-type: none"> • Not rated; Ksat or taxonomic class • Not rated; Surface Fragments > 75mm • Not rated; Sieve size, 3 to 10", > 10" • Not rated; Unified • Not rated; % surface sand or clay
UuB	Urban land-Udorhtents-Grigsby complex, 0 to 6 percent slopes, rarely flooded	Not rated	<ul style="list-style-type: none"> • Not rated; Sieve size, 3 to 10", > 10" • Not rated; Unified • Not rated; % surface sand or clay Component - Urban land (40%) <ul style="list-style-type: none"> • Not rated; Ksat or taxonomic class • Not rated; Surface Fragments > 75mm • Not rated; Sieve size, 3 to 10", > 10" • Not rated; Unified • Not rated; % surface sand or clay Component - Udorhtents (30%) <ul style="list-style-type: none"> • Not rated; Ksat or taxonomic class • Not rated; Surface Fragments > 75mm • Not rated; Sieve size, 3 to 10", > 10" • Not rated; Unified • Not rated; % surface sand or clay
VaF	Varilla-Jefferson-Alticrest complex, 35 to 75 percent slopes, very rocky	Very limited	<ul style="list-style-type: none"> • Not rated; Sieve size, 3 to 10", > 10" • Not rated; Unified • Not rated; % surface sand or clay Component - Varilla (40%) <ul style="list-style-type: none"> • Slope • Gravel content • Too Stony • Content of large stones Component - Jefferson (25%) <ul style="list-style-type: none"> • Slope • Too Stony • Gravel content Component - Alticrest (15%) <ul style="list-style-type: none"> • Slope • Depth to bedrock • Too Stony • Gravel content
W	Water	Not rated	<ul style="list-style-type: none"> • Not rated; Sieve size, 3 to 10", > 10" • Not rated; Unified • Not rated; % surface sand or clay Component - Water (100%) <ul style="list-style-type: none"> • Not rated; Ksat or taxonomic class • Not rated; Surface Fragments > 75mm • Not rated; Sieve size, 3 to 10", > 10" • Not rated; Slope • Not rated; Slope