

# Soils Report

Contact your local District Conservationist for site specific assistance

## Pond Reservoir Area - Dominant Condition

Pond Reservoir Area is an area that holds water behind a dam or embankment. The soils best suited to this use have a low seepage potential, which is determined by permeability and depth to fractured or permeable bedrock, to a cemented pan, or to other permeable material. The soil is rated to a depth of 60 inches on its properties and qualities as a natural barrier against seepage into deeper layers, without regard to cutoff trenches or other features that may be installed under the pond embankment.

**Soil Survey: Calloway and Marshall Counties, Kentucky**

**Survey Status: -**

**Correlation Date: 02/01/1968**

**Distribution Date: 06/16/2005**

### Map

Symbol	Soil Name	Rating	Dominant Component(s) and Reason(s)
Ad	Alluvial land (huntington)	Somewhat limited	Component - Alluvial land (huntington) (85%) • Slope
Bb	Bibb loamy fine sand, overwash	Somewhat limited	Component - Bibb - overwash (85%) • Seepage Component - Waverly (5%) • Seepage Component - Bibb (5%) • Seepage
Bc	Bibb silt loam	Somewhat limited	Component - Bibb (85%) • Seepage
BoD	Bodine cherty silt loam, 12 to 20 percent slopes	Very limited	Component - Bodine (80%) • Seepage • Slope
BoF	Bodine cherty silt loam, 20 to 60 percent slopes	Very limited	Component - Bodine (80%) • Seepage • Slope
BrC	Brandon silt loam, 6 to 12 percent slopes	Very limited	Component - Brandon (85%) • Seepage
BrD	Brandon silt loam, 12 to 20 percent slopes	Very limited	Component - Brandon (80%) • Slope • Seepage
BrE	Brandon silt loam, 20 to 30 percent slopes	Very limited	Component - Brandon (80%) • Slope • Seepage
BsC3	Brandon silty clay loam, 6 to 12 percent slopes, severely eroded	Very limited	Component - Brandon (85%) • Seepage
BsD3	Brandon silty clay loam, 12 to 20 percent slopes, severely eroded	Very limited	Component - Brandon (80%) • Seepage • Slope
BtC	Brandon-Memphis-Loring silt loams, 2 to 12 percent	Very limited	Component - Brandon (50%) • Seepage

	slopes		
CaA	Calloway silt loam, 0 to 2 percent slopes	Not limited	
CaB	Calloway silt loam, 2 to 6 percent slopes	Not limited	
CaB2	Calloway silt loam, 2 to 6 percent slopes, eroded	Not limited	
Co	Collins silt loam	Somewhat limited	Component - Collins (90%) • Seepage
DAM	Dam, large	Not rated	Component - Dam (100%) • Not rated; Slope
Du	Dumps	Not rated	Component - Dumps (100%) • Not rated; Slope
Eg	Egam silty clay loam	Somewhat limited	Component - Egam (90%) • Seepage
Fa	Falaya silt loam	Somewhat limited	Component - Falaya (85%) • Seepage
Fo	Forestdale silt loam, high clay variant	Not limited	
GrA	Grenada silt loam, 0 to 2 percent slopes	Somewhat limited	Component - Grenada (90%) • Seepage
GrB	Grenada silt loam, 2 to 6 percent slopes	Somewhat limited	Component - Grenada (90%) • Seepage
GrB3	Grenada silt loam, 2 to 6 percent slopes, severely eroded	Somewhat limited	Component - Grenada (90%) • Seepage
GrC	Grenada silt loam, 6 to 12 percent slopes	Somewhat limited	Component - Grenada (85%) • Seepage
GrC3	Grenada silt loam, 6 to 12 percent slopes, severely eroded	Not limited	
GsC	Guin gravelly loam, 2 to 12 percent slopes (saffell)	Very limited	Component - Guin (saffell) (90%) • Seepage
GtE	Guin very gravelly soils, 20 to 60 percent slopes (saffell)	Very limited	Component - Guin (saffell) (80%) • Seepage • Slope
Gu	Gullied land	Not rated	Component - Gullied land (85%) • Not rated; Slope Component - Loring (5%) • Not rated; Slope Component - Grenada (5%) • Not rated; Slope Component - Other soils (5%) • Not rated; Slope
Hn	Henry silt loam	Somewhat limited	Component - Henry (90%) • Seepage
Hu	Huntington silt loam	Somewhat limited	Component - Huntington (90%) • Seepage
Iu	Iuka silt loam	Somewhat limited	Component - Iuka (85%) • Seepage
LaC	Lax silt loam, 6 to 12 percent slopes	Very limited	Component - Lax (85%)

LcC3	percent slopes Lax silty clay loam, 6 to 12 percent slopes, severely eroded	Very limited	<ul style="list-style-type: none"> <li>• Seepage</li> </ul> Component - Lax (85%) <ul style="list-style-type: none"> <li>• Seepage</li> </ul>
LeC	Lexington silt loam, 6 to 12 percent slopes	Very limited	Component - Lexington (85%) <ul style="list-style-type: none"> <li>• Seepage</li> </ul>
LeD	Lexington silt loam, 12 to 20 percent slopes	Very limited	Component - Lexington (85%) <ul style="list-style-type: none"> <li>• Slope</li> <li>• Seepage</li> </ul>
LgC3	Lexington silty clay loam, 6 to 12 percent slopes, severely eroded	Very limited	Component - Lexington (85%) <ul style="list-style-type: none"> <li>• Seepage</li> </ul>
LgD3	Lexington silty clay loam, 12 to 20 percent slopes, severely eroded	Very limited	Component - Lexington (80%) <ul style="list-style-type: none"> <li>• Seepage</li> <li>• Slope</li> </ul>
LoB	Loring silt loam, 2 to 6 percent slopes	Somewhat limited	Component - Loring (90%) <ul style="list-style-type: none"> <li>• Seepage</li> </ul>
LoB2	Loring silt loam, 2 to 6 percent slopes, eroded	Somewhat limited	Component - Loring (90%) <ul style="list-style-type: none"> <li>• Seepage</li> </ul>
LoC2	Loring silt loam, 6 to 12 percent slopes, eroded	Somewhat limited	Component - Loring (85%) <ul style="list-style-type: none"> <li>• Seepage</li> </ul>
Ma	Mantachie silt loam	Somewhat limited	Component - Mantachie (90%) <ul style="list-style-type: none"> <li>• Seepage</li> </ul>
Mc	McGary silt loam	Not limited	
Me	Melvin silt loam	Somewhat limited	Component - Melvin (90%) <ul style="list-style-type: none"> <li>• Seepage</li> </ul>
MmB	Memphis silt loam, 2 to 6 percent slopes	Somewhat limited	Component - Memphis (90%) <ul style="list-style-type: none"> <li>• Seepage</li> </ul>
MmC2	Memphis silt loam, 6 to 12 percent slopes, eroded	Somewhat limited	Component - Memphis (85%) <ul style="list-style-type: none"> <li>• Seepage</li> </ul>
Ne	Newark silt loam	Somewhat limited	Component - Newark (90%) <ul style="list-style-type: none"> <li>• Seepage</li> </ul>
Oc	Ochlockonee gravelly loam	Very limited	Component - Ochlockonee (90%) <ul style="list-style-type: none"> <li>• Seepage</li> </ul>
Oh	Ochlockonee silt loam	Very limited	Component - Ochlockonee (90%) <ul style="list-style-type: none"> <li>• Seepage</li> </ul>
Pt	Pits, quarries	Not rated	Component - Pits, quarries (100%) <ul style="list-style-type: none"> <li>• Not rated; Slope</li> </ul>
RuD	Ruston fine sandy loam, 12 to 20 percent slopes (smithdale)	Very limited	Component - Ruston (smithdale) (85%) <ul style="list-style-type: none"> <li>• Seepage</li> <li>• Slope</li> </ul>
RuE	Ruston fine sandy loam, 20 to 30 percent slopes (smithdale)	Very limited	Component - Ruston (smithdale) (85%) <ul style="list-style-type: none"> <li>• Seepage</li> <li>• Slope</li> </ul>
RxE	Ruston-Lexington complex, 18 to 30 percent slopes (smithdale)	Very limited	Component - Ruston (smithdale) (60%) <ul style="list-style-type: none"> <li>• Seepage</li> <li>• Slope</li> </ul> Component - Lexington (30%) <ul style="list-style-type: none"> <li>• Seepage</li> <li>• Slope</li> </ul>

SgC	Saffell-Guin complex, 6 to 12 percent slopes (saffell)	Very limited	<p>Component - Saffell (65%)</p> <ul style="list-style-type: none"> <li>• Seepage</li> </ul> <p>Component - Guin (saffell) (25%)</p> <ul style="list-style-type: none"> <li>• Seepage</li> </ul>
SgD	Saffell-Guin complex, 12 to 20 percent slopes (saffell)	Very limited	<p>Component - Saffell (45%)</p> <ul style="list-style-type: none"> <li>• Seepage</li> <li>• Slope</li> </ul> <p>Component - Guin (saffell) (25%)</p> <ul style="list-style-type: none"> <li>• Seepage</li> <li>• Slope</li> </ul>
SgE	Saffell-Guin complex, 20 to 50 percent slopes (saffell)	Very limited	<p>Component - Saffell (40%)</p> <ul style="list-style-type: none"> <li>• Seepage</li> <li>• Slope</li> </ul> <p>Component - Guin (saffell) (30%)</p> <ul style="list-style-type: none"> <li>• Seepage</li> <li>• Slope</li> </ul>
Sw	Swamp (melvin ponded)	Somewhat limited	<p>Component - Swamp (melvin ponded) (100%)</p> <ul style="list-style-type: none"> <li>• Seepage</li> </ul>
Ur	Urban land	Not rated	<p>Component - Urban land (100%)</p> <ul style="list-style-type: none"> <li>• Not rated; Slope</li> </ul>
Vb	Vicksburg silt loam	Somewhat limited	<p>Component - Vicksburg (90%)</p> <ul style="list-style-type: none"> <li>• Seepage</li> </ul>
W	Water	Not rated	<p>Component - Water (100%)</p> <ul style="list-style-type: none"> <li>• Not rated; Slope</li> </ul>
Wa	Waverly silt loam	Somewhat limited	<p>Component - Waverly (90%)</p> <ul style="list-style-type: none"> <li>• Seepage</li> </ul>
WhA	Wheeling silt loam, 0 to 2 percent slopes	Very limited	<p>Component - Wheeling (90%)</p> <ul style="list-style-type: none"> <li>• Seepage</li> </ul>
WhB	Wheeling silt loam, 2 to 6 percent slopes	Very limited	<p>Component - Wheeling (90%)</p> <ul style="list-style-type: none"> <li>• Seepage</li> </ul>
WhC	Wheeling silt loam, 6 to 12 percent slopes	Very limited	<p>Component - Wheeling (85%)</p> <ul style="list-style-type: none"> <li>• Seepage</li> </ul>
WnC3	Wheeling silty clay loam, 6 to 12 percent slopes, severely eroded	Very limited	<p>Component - Wheeling (85%)</p> <ul style="list-style-type: none"> <li>• Seepage</li> </ul>