

Soils Report

Contact your local District Conservationist for site specific assistance

Dwellings W/O Basements - Dominant Condition

Dwellings without basements are structures built on shallow foundations on undisturbed soil. The load limit is the same as that for single-family dwellings no higher than three stories. The ratings are based on soil properties, site features, and observed performance of the soils. A high water table, flooding, shrinking and swelling, and organic layers can cause the movement of footings. A high water table, depth to bedrock or to a cemented pan, large stones, slope, and flooding affect the ease of excavation and construction. Landscaping and grading that require cuts and fills of more than 5 or 6 feet are not considered.

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: Henry and Trimble Counties, Kentucky

Survey Status: Published

Correlation Date: 03/01/1989

Distribution Date: 12/10/2001

Map Symbol	Soil Name	Rating	Dominant Component(s) and Reason(s)
BaB	BEASLEY SILT LOAM, 2 TO 6 PERCENT SLOPES	Somewhat limited	Component - BEASLEY (90%) • Shrink-swell
BeC2	BEASLEY SILTY CLAY LOAM, 6 TO 12 PERCENT SLOPES, ERODED	Somewhat limited	Component - BEASLEY (85%) • Shrink-swell • Slope
BeD2	BEASLEY SILTY CLAY LOAM, 12 TO 20 PERCENT SLOPES, ERODED	Very limited	Component - BEASLEY (85%) • Slope • Shrink-swell
BfC3	BEASLEY SILTY CLAY, 6 TO 12 PERCENT SLOPES, SEVERELY ERODED	Somewhat limited	Component - BEASLEY (85%) • Shrink-swell • Slope
BfD3	BEASLEY SILTY CLAY, 12 TO 20 PERCENT SLOPES, SEVERELY ERODED	Very limited	Component - BEASLEY (80%) • Slope • Shrink-swell
Bo	BOONESBORO SILT LOAM, FREQUENTLY FLOODED	Very limited	Component - BOONESBORO (90%) • Flooding • Depth to hard bedrock
BsE2	BRASSFIELD-BEASLEY	Very limited	Component - BRASSFIELD (55%)

	COMPLEX, 20 TO 40 PERCENT SLOPES, ERODED		<ul style="list-style-type: none"> • Slope Component - BEASLEY (35%) <ul style="list-style-type: none"> • Slope • Shrink-swell
CaB	CHENAULT SILT LOAM, 2 TO 6 PERCENT SLOPES	Not limited	
CaC	CHENAULT SILT LOAM, 6 TO 12 PERCENT SLOPES	Somewhat limited	Component - CHENAULT (90%) <ul style="list-style-type: none"> • Slope
CcB	CINCINNATI SILT LOAM, 2 TO 6 PERCENT SLOPES	Somewhat limited	Component - CINCINNATI (90%) <ul style="list-style-type: none"> • Depth to saturated zone
CcC	CINCINNATI SILT LOAM, 6 TO 12 PERCENT SLOPES	Somewhat limited	Component - CINCINNATI (85%) <ul style="list-style-type: none"> • Depth to saturated zone • Slope
DAM	DAM, LARGE	Very limited	Component - DAM (100%) <ul style="list-style-type: none"> • Slope
EdC2	EDEN SILTY CLAY LOAM, 6 TO 20 PERCENT SLOPES, ERODED	Somewhat limited	Component - EDEN (85%) <ul style="list-style-type: none"> • Shrink-swell • Slope • Content of large stones
EdE2	EDEN SILTY CLAY LOAM, 20 TO 35 PERCENT SLOPES, ERODED	Very limited	Component - EDEN (80%) <ul style="list-style-type: none"> • Slope • Shrink-swell • Content of large stones
EkA	ELK SILT LOAM, OCCASIONALLY FLOODED, 0 TO 2 PERCENT SLOPES	Very limited	Component - ELK (90%) <ul style="list-style-type: none"> • Flooding
EkB	ELK SILT LOAM, RARELY FLOODED, 2 TO 6 PERCENT SLOPES	Very limited	Component - ELK (90%) <ul style="list-style-type: none"> • Flooding
EkC	ELK SILT LOAM, OCCASIONALLY FLOODED, 6 TO 12 PERCENT SLOPES	Very limited	Component - ELK (90%) <ul style="list-style-type: none"> • Flooding • Slope
En	ELK AND NOLIN SILT LOAMS, FREQUENTLY FLOODED	Very limited	Component - ELK (55%) <ul style="list-style-type: none"> • Slope • Flooding Component - NOLIN (20%) <ul style="list-style-type: none"> • Flooding • Slope
FaE	FAIRMOUNT FLAGGY SILTY CLAY LOAM, 12 TO 30 PERCENT SLOPES, VERY ROCKY	Very limited	Component - FAIRMOUNT (80%) <ul style="list-style-type: none"> • Depth to hard bedrock • Slope • Shrink-swell
FwF	FAIRMOUNT-WOOLPER COMPLEX, 30 TO 65 PERCENT SLOPES	Very limited	Component - FAIRMOUNT (40%) <ul style="list-style-type: none"> • Slope • Depth to hard bedrock • Shrink-swell

			Component - WOOLPER (35%) <ul style="list-style-type: none"> • Slope • Shrink-swell
FyC2	FAYWOOD SILTY CLAY LOAM, 6 TO 12 PERCENT SLOPES, ERODED	Somewhat limited	Component - FAYWOOD (85%) <ul style="list-style-type: none"> • Depth to hard bedrock • Shrink-swell • Slope
FyD2	FAYWOOD SILTY CLAY LOAM, 12 TO 20 PERCENT SLOPES, ERODED	Very limited	Component - FAYWOOD (80%) <ul style="list-style-type: none"> • Slope • Depth to hard bedrock • Shrink-swell
GbD2	GRAYFORD-BEASLEY COMPLEX, 12 TO 20 PERCENT SLOPES, ERODED	Very limited	Component - GRAYFORD (60%) <ul style="list-style-type: none"> • Slope • Shrink-swell Component - BEASLEY (30%) <ul style="list-style-type: none"> • Slope • Shrink-swell
Hu	HUNTINGTON SILT LOAM, OCCASIONALLY FLOODED	Very limited	Component - HUNTINGTON (90%) <ul style="list-style-type: none"> • Flooding
Lc	LAWRENCE SILT LOAM, RARELY FLOODED	Very limited	Component - LAWRENCE (90%) <ul style="list-style-type: none"> • Flooding • Depth to saturated zone
LoB	LOWELL SILT LOAM, 2 TO 6 PERCENT SLOPES	Somewhat limited	Component - LOWELL (90%) <ul style="list-style-type: none"> • Shrink-swell
LoC	LOWELL SILT LOAM, 6 TO 12 PERCENT SLOPES	Somewhat limited	Component - LOWELL (85%) <ul style="list-style-type: none"> • Shrink-swell • Slope
LsC3	LOWELL SILTY CLAY LOAM, 6 TO 12 PERCENT SLOPES, SEVERELY ERODED	Somewhat limited	Component - LOWELL (85%) <ul style="list-style-type: none"> • Slope • Shrink-swell
Mc	MCGARY SILT LOAM	Very limited	Component - MCGARY (90%) <ul style="list-style-type: none"> • Depth to saturated zone • Shrink-swell
Ne	NEWARK SILT LOAM, FREQUENTLY FLOODED	Very limited	Component - NEWARK (90%) <ul style="list-style-type: none"> • Flooding • Depth to saturated zone
NhB	NICHOLSON SILT LOAM, 2 TO 6 PERCENT SLOPES	Somewhat limited	Component - NICHOLSON (90%) <ul style="list-style-type: none"> • Depth to saturated zone
NhC	NICHOLSON SILT LOAM, 6 TO 12 PERCENT SLOPES	Somewhat limited	Component - NICHOLSON (85%) <ul style="list-style-type: none"> • Depth to saturated zone • Slope
No	NOLIN SILT LOAM, OCCASIONALLY FLOODED	Very limited	Component - NOLIN (90%) <ul style="list-style-type: none"> • Flooding
OtA	OTWELL SILT LOAM, OCCASIONALLY	Very limited	Component - OTWELL (90%) <ul style="list-style-type: none"> • Flooding

	FLOODED, 0 TO 2 PERCENT SLOPES		<ul style="list-style-type: none"> • Depth to saturated zone • Shrink-swell
OtB	OTWELL SILT LOAM, RARELY FLOODED, 2 TO 6 PERCENT SLOPES	Very limited	Component - OTWELL (90%) <ul style="list-style-type: none"> • Flooding • Depth to saturated zone • Shrink-swell
Pt	PITS, QUARRIES	Very limited	Component - PITS, QUARRIES (100%) <ul style="list-style-type: none"> • Slope
RoA	ROSSMOYNE SILT LOAM, 0 TO 2 PERCENT SLOPES	Somewhat limited	Component - ROSSMOYNE (90%) <ul style="list-style-type: none"> • Depth to saturated zone • Shrink-swell
RoB	ROSSMOYNE SILT LOAM, 2 TO 6 PERCENT SLOPES	Somewhat limited	Component - ROSSMOYNE (90%) <ul style="list-style-type: none"> • Depth to saturated zone • Shrink-swell
RyB	RYKER SILT LOAM, 2 TO 6 PERCENT SLOPES	Somewhat limited	Component - RYKER (90%) <ul style="list-style-type: none"> • Shrink-swell
RyC	RYKER SILT LOAM, 6 TO 12 PERCENT SLOPES	Somewhat limited	Component - RYKER (85%) <ul style="list-style-type: none"> • Shrink-swell • Slope
ShB	SHELBYVILLE SILT LOAM, 2 TO 6 PERCENT SLOPES	Not limited	
W	WATER	Very limited	Component - WATER (100%) <ul style="list-style-type: none"> • Slope
WeD	WHEELING LOAM, 6 TO 20 PERCENT SLOPES	Very limited	Component - WHEELING (80%) <ul style="list-style-type: none"> • Slope
WhB	WHEELING SILT LOAM, 0 TO 6 PERCENT SLOPES	Not limited	
WoB	WOOLPER SILTY CLAY LOAM, 2 TO 6 PERCENT SLOPES	Somewhat limited	Component - WOOLPER (90%) <ul style="list-style-type: none"> • Shrink-swell
WoC	WOOLPER SILTY CLAY LOAM, 6 TO 12 PERCENT SLOPES	Somewhat limited	Component - WOOLPER (85%) <ul style="list-style-type: none"> • Shrink-swell • Slope
WoD	WOOLPER SILTY CLAY LOAM, 12 TO 20 PERCENT SLOPES	Very limited	Component - WOOLPER (85%) <ul style="list-style-type: none"> • Slope • Shrink-swell