

Henry County, Illinois

3107A—Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded

Map Unit Setting

National map unit symbol: 2w1z2

Elevation: 430 to 950 feet

Mean annual precipitation: 35 to 41 inches

Mean annual air temperature: 47 to 56 degrees F

Frost-free period: 158 to 188 days

Farmland classification: Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season

Map Unit Composition

Sawmill, frequently flooded, and similar soils: 90 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Sawmill, Frequently Flooded

Setting

Landform: Flood plains

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium

Typical profile

Ap - 0 to 8 inches: silty clay loam

A - 8 to 30 inches: silty clay loam

Bg - 30 to 51 inches: silty clay loam

Cg - 51 to 65 inches: silty clay loam

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Poorly drained

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: About 0 to 12 inches

Frequency of flooding: Frequent

Frequency of ponding: Frequent

Calcium carbonate, maximum content: 30 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water supply, 0 to 60 inches: High (about 10.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3w
Hydrologic Soil Group: B/D
Ecological site: R108XA018IL - Ponded Floodplain Marsh, R110XY027IL - Ponded Floodplain Marsh, R115XC016IL - Ponded Floodplain Marsh, F108XB021IL - Wet Loamy Floodplain Forest
Hydric soil rating: Yes

Minor Components

Huntsville, frequently flooded

Percent of map unit: 4 percent
Landform: Flood plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: F095XB002WI - Wet Floodplain
Hydric soil rating: No

Lawson, frequently flooded

Percent of map unit: 3 percent
Landform: Flood plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: F095XB002WI - Wet Floodplain
Hydric soil rating: No

Radford, frequently flooded

Percent of map unit: 3 percent
Landform: Flood plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: F095XB002WI - Wet Floodplain
Hydric soil rating: No

Data Source Information

Soil Survey Area: Henry County, Illinois
Survey Area Data: Version 20, Aug 28, 2023

Soil Survey Area: Rock Island County, Illinois
Survey Area Data: Version 19, Aug 28, 2023