

Walker County, Texas

34—Lufkin fine sandy loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: mbbj

Elevation: 230 to 500 feet

Mean annual precipitation: 32 to 40 inches

Mean annual air temperature: 64 to 70 degrees F

Frost-free period: 230 to 275 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Lufkin and similar soils: 95 percent

Minor components: 5 percent

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

Description of Lufkin

Setting

Landform: Stream terraces

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Concave

Parent material: Clayey alluvium of pleistocene age derived from mixed sources

Typical profile

H1 - 0 to 9 inches: fine sandy loam

H2 - 9 to 55 inches: clay

H3 - 55 to 75 inches: clay loam

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Moderately well drained

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Salinity, maximum in profile: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 10.0

Available water storage in profile: Moderate (about 7.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3w

Hydrologic Soil Group: D

Ecological site: Claypan Savannah 28-40 PZ (R087AY221TX)

Hydric soil rating: No

Minor Components

Unnamed, hydric

Percent of map unit: 5 percent

Landform: Depressions

Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Walker County, Texas

Survey Area Data: Version 12, Sep 19, 2016