

Wood County, Texas

FrB—Freestone fine sandy loam, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2wg9c

Elevation: 140 to 790 feet

Mean annual precipitation: 40 to 48 inches

Mean annual air temperature: 62 to 66 degrees F

Frost-free period: 218 to 260 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Freestone and similar soils: 85 percent

Minor components: 15 percent

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

Description of Freestone

Setting

Landform: Stream terraces

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Concave

Parent material: Loamy alluvium derived from shale and siltstone

Typical profile

Ap - 0 to 4 inches: fine sandy loam

E - 4 to 11 inches: fine sandy loam

Bt - 11 to 20 inches: sandy clay loam

B/Et1 - 20 to 28 inches: clay loam

B/Et2 - 28 to 44 inches: clay

B't - 44 to 80 inches: clay

Properties and qualities

Slope: 1 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Moderately well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water

(Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: About 12 to 24 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 1 percent

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

Sodium adsorption ratio, maximum: 5.0

Available water supply, 0 to 60 inches: High (about 9.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: C/D

Ecological site: R087BY003TX - Sandy Loam

Hydric soil rating: No

Minor Components

Raino

Percent of map unit: 10 percent

Landform: Stream terraces

Landform position (three-dimensional): Tread

Microfeatures of landform position: Mounds

Down-slope shape: Linear

Across-slope shape: Convex

Ecological site: R087BY002TX - Claypan Savannah

Hydric soil rating: No

Woodtell

Percent of map unit: 5 percent

Landform: Ridges

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Interfluve

Down-slope shape: Linear

Across-slope shape: Convex

Ecological site: R087BY002TX - Claypan Savannah

Hydric soil rating: No

Data Source Information

Soil Survey Area: Wood County, Texas

Survey Area Data: Version 20, Aug 24, 2022