

Walker County, Texas

7—Conroe association, gently undulating

Map Unit Setting

National map unit symbol: mbbby

Elevation: 50 to 500 feet

Mean annual precipitation: 41 to 48 inches

Mean annual air temperature: 66 to 70 degrees F

Frost-free period: 238 to 283 days

Farmland classification: Not prime farmland

Map Unit Composition

Conroe and similar soils: 85 percent

Minor components: 15 percent

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

Description of Conroe

Setting

Landform: Interfluves

Down-slope shape: Linear

Across-slope shape: Convex

Parent material: Clayey marine deposits

Typical profile

H1 - 0 to 28 inches: loamy fine sand

H2 - 28 to 33 inches: sandy clay loam

H3 - 33 to 70 inches: clay

H4 - 70 to 74 inches: sandy clay

Properties and qualities

Slope: 1 to 5 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):

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

Depth to water table: About 24 to 42 inches

Frequency of flooding: None

Frequency of ponding: None

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Low (about 5.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3s

Hydrologic Soil Group: B

Ecological site: Clayey Upland (F133BY003TX)

Hydric soil rating: No

Minor Components

Unnamed

Percent of map unit: 15 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Walker County, Texas

Survey Area Data: Version 12, Sep 19, 2016