Walker County, Texas

28—Kaufman clay, occasionally flooded

Map Unit Setting

National map unit symbol: mbb9
Elevation: 100 to 550 feet
Mean annual precipitation: 35 to 50 inches
Mean annual air temperature: 63 to 70 degrees F
Frost-free period: 230 to 280 days
Farmland classification: Not prime farmland

Map Unit Composition

Kaufman and similar soils: 95 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kaufman

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Clayey alluvium

Typical profile

H1 - 0 to 7 inches: clay
H2 - 7 to 35 inches: clay
H3 - 35 to 80 inches: clay

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: Occasional
Frequency of ponding: None
Calcium carbonate, maximum in profile: 5 percent
Gypsum, maximum in profile: 5 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 4.0
Available water storage in profile: Moderate (about 9.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: D
Hydric soil rating: No

Minor Components

Unnamed, hydric

Percent of map unit: 5 percent
Landform: Flood plains
Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Trinity County, Texas
Survey Area Data: Version 13, Sep 19, 2016

Soil Survey Area: Walker County, Texas
Survey Area Data: Version 12, Sep 19, 2016