

Yolo County, California

Ob—Omni silty clay

Map Unit Setting

Elevation: -10 to 70 feet

Mean annual precipitation: 17 inches

Mean annual air temperature: 57 degrees F

Frost-free period: 280 days

Map Unit Composition

Omni and similar soils: 85 percent

Minor components: 15 percent

Description of Omni

Setting

Landform: Basin floors

Landform position (two-dimensional): Toeslope

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Mixed silty and clayey alluvium

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Poorly 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 18 to 36 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 5 percent

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

Available water capacity: Moderate (about 8.6 inches)

Interpretive groups

Farmland classification: Farmland of statewide importance

Land capability classification (irrigated): 3w

Land capability (nonirrigated): 4w

Hydrologic Soil Group: D

Typical profile

0 to 12 inches: Silty clay

12 to 42 inches: Silty clay

42 to 60 inches: Stratified clay loam to silty clay

Minor Components

Merritt

Percent of map unit: 5 percent

Landform: Alluvial fans

Sacramento

Percent of map unit: 5 percent

Landform: Basin floors

Tyndall

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Yolo County, California

Survey Area Data: Version 7, Dec 12, 2007