

Eastern Stanislaus Area, California

SwA—Snelling sandy loam, poorly drained variant, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: hhj0

Elevation: 50 to 500 feet

Mean annual precipitation: 14 inches

Mean annual air temperature: 61 degrees F

Frost-free period: 225 to 275 days

Farmland classification: Prime farmland if irrigated

Map Unit Composition

Snelling variant and similar soils: 85 percent

Minor components: 15 percent

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

Description of Snelling Variant

Setting

Landform: Depressions

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium derived from granite

Typical profile

H1 - 0 to 19 inches: sandy loam

H2 - 19 to 56 inches: sandy clay loam

H3 - 56 to 60 inches: sandy loam

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Poorly drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high (0.20 to 0.57 in/hr)

Depth to water table: About 0 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): 3w

Land capability classification (nonirrigated): 4w

Hydrologic Soil Group: C/D

Ecological site: R017XY901CA - Clayey Basin Group

Hydric soil rating: Yes

Minor Components

Montpellier

Percent of map unit: 10 percent
Hydric soil rating: No

Greenfield

Percent of map unit: 5 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eastern Stanislaus Area, California
Survey Area Data: Version 18, Sep 8, 2024