

## Eastern Stanislaus Area, California

### SaA—San Joaquin sandy loam, 0 to 3 percent slopes, MLRA

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#### Map Unit Setting

*National map unit symbol:* 2vncw

*Elevation:* 90 to 520 feet

*Mean annual precipitation:* 9 to 17 inches

*Mean annual air temperature:* 62 to 64 degrees F

*Frost-free period:* 240 to 300 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*San joaquin and similar soils:* 90 percent

*Minor components:* 10 percent

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

#### Description of San Joaquin

##### Setting

*Landform:* Fan remnants, terraces

*Landform position (two-dimensional):* Toeslope

*Landform position (three-dimensional):* Interfluve, tread

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Alluvium derived from granite

##### Typical profile

*Ap - 0 to 9 inches:* sandy loam

*Bt1 - 9 to 15 inches:* sandy clay loam

*2Bt2 - 15 to 21 inches:* clay

*2Bkqm - 21 to 37 inches:* cemented material

*2C - 37 to 79 inches:* loam

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches; 19 to 25 inches to duripan

*Drainage class:* Moderately well drained

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):* Very low (0.00 to 0.00 in/hr)

*Depth to water table:* About 8 to 12 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

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

*Sodium adsorption ratio, maximum:* 4.0

*Available water supply, 0 to 60 inches:* Very low (about 2.1 inches)



### Interpretive groups

*Land capability classification (irrigated): 4s*  
*Land capability classification (nonirrigated): 4s*  
*Hydrologic Soil Group: D*  
*Ecological site: R017XY902CA - Duripan Vernal Pools*  
*Hydric soil rating: No*

### Minor Components

#### Snelling

*Percent of map unit: 5 percent*  
*Landform: Fan remnants, terraces*  
*Landform position (two-dimensional): Toeslope*  
*Landform position (three-dimensional): Interfluve, tread*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Hydric soil rating: No*

#### Alamo

*Percent of map unit: 4 percent*  
*Landform: Fan remnants, terraces*  
*Landform position (two-dimensional): Toeslope*  
*Landform position (three-dimensional): Interfluve, tread*  
*Microfeatures of landform position: Open depressions, open depressions*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Ecological site: R017XY902CA - Duripan Vernal Pools*  
*Hydric soil rating: No*

#### Unnamed, hydric

*Percent of map unit: 1 percent*  
*Landform: Open depressions on fan remnants, terraces*  
*Landform position (two-dimensional): Toeslope*  
*Landform position (three-dimensional): Interfluve, tread*  
*Microfeatures of landform position: Open depressions*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Hydric soil rating: Yes*

## Data Source Information

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