

Solano County, California

DbC—Dibble-Los Osos loams, 2 to 9 percent slopes

Map Unit Setting

Elevation: 100 to 2,000 feet

Mean annual precipitation: 20 to 30 inches

Mean annual air temperature: 57 to 61 degrees F

Frost-free period: 225 to 260 days

Map Unit Composition

Dibble and similar soils: 60 percent

Los osos and similar soils: 30 percent

Minor components: 10 percent

Description of Dibble

Setting

Landform: Mountains

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Center third of mountainflank

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Residuum weathered from sandstone

Properties and qualities

Slope: 2 to 9 percent

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Drainage class: 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: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water capacity: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability (nonirrigated): 4e

Ecological site: Fine Loamy 9-13" p.z. (R015XE020CA)

Typical profile

0 to 13 inches: Loam

13 to 30 inches: Clay loam

30 to 34 inches: Weathered bedrock

Description of Los Osos

Setting

Landform: Mountains

Landform position (two-dimensional): Backslope

Landform position (three-dimensional): Center third of mountainflank

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Residuum weathered from sedimentary rock

Properties and qualities

Slope: 5 to 9 percent

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Drainage class: 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: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water capacity: Low (about 4.0 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability (nonirrigated): 4e

Ecological site: Fine Loamy 9-13" p.z. (R015XE020CA)

Typical profile

0 to 7 inches: Loam

7 to 25 inches: Clay

25 to 29 inches: Weathered bedrock

Minor Components

Millsholm

Percent of map unit: 10 percent

Data Source Information

Soil Survey Area: Solano County, California

Survey Area Data: Version 5, Dec 12, 2007