


MAP LEGEND







Area of Interest (AOI)

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Soils



 Soil Map Units

Soil Ratings



-  ≤ 2.1379
-  > 2.1379 AND ≤ 6.9558
-  > 6.9558 AND ≤ 11.4776
-  > 11.4776 AND ≤ 46.455
-  > 46.455 AND ≤ 92
-  Not rated or not available

Political Features

Municipalities

-  Cities
-  Urban Areas






Water Features

-  Oceans
-  Streams and Canals

Transportation

 Rails

Roads

-  Interstate Highways
-  US Routes
-  State Highways
-  Local Roads
-  Other Roads

MAP INFORMATION

Original soil survey map sheets were prepared at publication scale. Viewing scale and printing scale, however, may vary from the original. Please rely on the bar scale on each map sheet for proper map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
 Coordinate System: UTM Zone 10N

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Sonoma County, California
 Survey Area Data: Version 4, Dec 12, 2007

Date(s) aerial images were photographed: 7/10/1993

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Saturated Hydraulic Conductivity (Ksat)

Saturated Hydraulic Conductivity (Ksat)— Summary by Map Unit — Sonoma County, California				
Map unit symbol	Map unit name	Rating (micrometers per second)	Acres in AOI	Percent of AOI
AdA	ALLUVIAL LAND, SANDY	92.0000	145.2	1.5%
AeA	ALLUVIAL LAND, CLAYEY	46.4550	85.8	0.9%
CcA	CLEAR LAKE CLAY LOAM, 0 TO 2 PERCENT SLOPES	1.2986	630.0	6.4%
CcB	CLEAR LAKE CLAY LOAM, 2 TO 5 PERCENT SLOPES	1.2986	219.7	2.2%
CeA	CLEAR LAKE CLAY, 0 TO 2 PERCENT SLOPES	0.9100	2,941.2	30.0%
CeB	CLEAR LAKE CLAY, 2 TO 5 PERCENT SLOPES	0.9100	13.5	0.1%
CfA	CLEAR LAKE CLAY, PONDED, 0 TO 2 PERCENT SLOPES	0.9100	463.3	4.7%
CtC	COTATI FINE SANDY LOAM, 2 TO 9 PERCENT SLOPES	9.2090	13.4	0.1%
CtD	COTATI FINE SANDY LOAM, 9 TO 15 PERCENT SLOPES	11.3290	29.5	0.3%
DbC	DIABLO CLAY, 2 TO 9 PERCENT SLOPES	0.9100	137.4	1.4%
DbD	DIABLO CLAY, 9 TO 15 PERCENT SLOPES	0.9100	100.7	1.0%
DbE	DIABLO CLAY, 15 TO 30 PERCENT SLOPES	0.9100	45.3	0.5%
DbE2	DIABLO CLAY, 15 TO 30 PERCENT SLOPES, ERODED	0.9100	61.7	0.6%
DbF	DIABLO CLAY, 30 TO 50 PERCENT SLOPES	0.9100	68.1	0.7%
GdD	GOLDRIDGE FINE SANDY LOAM, 9 TO 15 PERCENT SLOPES	11.4776	21.3	0.2%
GgD	GOULDING CLAY LOAM, 5 TO 15 PERCENT SLOPES	19.1639	158.6	1.6%

Saturated Hydraulic Conductivity (Ksat)— Summary by Map Unit — Sonoma County, California				
Map unit symbol	Map unit name	Rating (micrometers per second)	Acres in AOI	Percent of AOI
GgE	GOULDING CLAY LOAM, 15 TO 30 PERCENT SLOPES	19.1639	13.8	0.1%
GgF	GOULDING CLAY LOAM, 30 TO 50 PERCENT SLOPES	20.0714	260.7	2.7%
GID	GOULDING COBBLY CLAY LOAM, 5 TO 15 PERCENT SLOPES	19.1639	200.5	2.0%
GIE	GOULDING COBBLY CLAY LOAM, 15 TO 30 PERCENT SLOPES	20.0714	261.9	2.7%
GIF	GOULDING COBBLY CLAY LOAM, 30 TO 50 PERCENT SLOPES	20.0714	403.7	4.1%
GIG	GOULDING COBBLY CLAY LOAM, 50 TO 75 PERCENT SLOPES	21.9167	9.3	0.1%
GoF	GOULDING-TOOMES COMPLEX, 9 TO 50 PERCENT SLOPES	23.4186	1,777.9	18.1%
HaB	HAIRE FINE SANDY LOAM, HUMMOCKY, 0 TO 5 PERCENT SLOPES	9.9994	123.0	1.3%
KeE	KIDD STONY LOAM, 2 TO 30 PERCENT SLOPES	36.9583	41.7	0.4%
RaC	RAYNOR CLAY, 2 TO 9 PERCENT SLOPES	5.5212	325.7	3.3%
RaD	RAYNOR CLAY, 9 TO 15 PERCENT SLOPES	18.4325	257.8	2.6%
RaE	RAYNOR CLAY, 15 TO 30 PERCENT SLOPES	18.4325	287.5	2.9%
RcD	RAYNOR CLAY, SEEPED, 2 TO 15 PERCENT SLOPES	5.5212	167.8	1.7%
RnA	RIVERWASH	92.0000	95.5	1.0%
SkC	SPRECKELS LOAM, 2 TO 9 PERCENT SLOPES	2.1379	45.5	0.5%
SkD	SPRECKELS LOAM, 9 TO 15 PERCENT SLOPES	2.1379	62.4	0.6%
SkE	SPRECKELS LOAM, 15 TO 30 PERCENT SLOPES	2.1379	54.2	0.6%

Saturated Hydraulic Conductivity (Ksat)— Summary by Map Unit — Sonoma County, California				
Map unit symbol	Map unit name	Rating (micrometers per second)	Acres in AOI	Percent of AOI
SkE2	SPRECKELS LOAM, 15 TO 30 PERCENT SLOPES, ERODED	1.9307	22.6	0.2%
SnF	STEINBECK LOAM, 30 TO 50 PERCENT SLOPES	11.1395	5.7	0.1%
SoF	STONYFORD GRAVELLY LOAM, 30 TO 50 PERCENT SLOPES	15.8879	14.7	0.2%
ToE	TOOMES ROCKY LOAM, 2 TO 30 PERCENT SLOPES	6.9558	124.4	1.3%
ToG	TOOMES ROCKY LOAM, 30 TO 75 PERCENT SLOPES	6.9558	47.4	0.5%
W	WATER		13.3	0.1%
ZaA	ZAMORA SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	4.6895	45.0	0.5%
Totals for Area of Interest (AOI)			9,796.7	100.0%

Description

Saturated hydraulic conductivity (Ksat) refers to the ease with which pores in a saturated soil transmit water. The estimates are expressed in terms of micrometers per second. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Saturated hydraulic conductivity is considered in the design of soil drainage systems and septic tank absorption fields.

For each soil layer, this attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

The numeric Ksat values have been grouped according to standard Ksat class limits.

Rating Options

Units of Measure: micrometers per second

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Fastest

Interpret Nulls as Zero: No

Layer Options: All Layers