


## MAP LEGEND











### Area of Interest (AOI)

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### Soils



 Soil Map Units

### Soil Ratings



-  alluvium
-  alluvium derived from sedimentary rock
-  residuum weathered from basic igneous rock
-  residuum weathered from igneous rock
-  residuum weathered from metavolcanics
-  residuum weathered from rhyolite
-  residuum weathered from sandstone
-  residuum weathered from sedimentary rock
-  sandy and gravelly alluvium
-  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.

## Parent Material Name

Parent Material Name— Summary by Map Unit — Sonoma County, California				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
AdA	ALLUVIAL LAND, SANDY	alluvium	145.2	1.5%
AeA	ALLUVIAL LAND, CLAYEY	alluvium	85.8	0.9%
CcA	CLEAR LAKE CLAY LOAM, 0 TO 2 PERCENT SLOPES	alluvium derived from sedimentary rock	630.0	6.4%
CcB	CLEAR LAKE CLAY LOAM, 2 TO 5 PERCENT SLOPES	alluvium derived from sedimentary rock	219.7	2.2%
CeA	CLEAR LAKE CLAY, 0 TO 2 PERCENT SLOPES	alluvium derived from sedimentary rock	2,941.2	30.0%
CeB	CLEAR LAKE CLAY, 2 TO 5 PERCENT SLOPES	alluvium derived from sedimentary rock	13.5	0.1%
CfA	CLEAR LAKE CLAY, PONDED, 0 TO 2 PERCENT SLOPES	alluvium derived from sedimentary rock	463.3	4.7%
CtC	COTATI FINE SANDY LOAM, 2 TO 9 PERCENT SLOPES	alluvium derived from sedimentary rock	13.4	0.1%
CtD	COTATI FINE SANDY LOAM, 9 TO 15 PERCENT SLOPES	alluvium derived from sedimentary rock	29.5	0.3%
DbC	DIABLO CLAY, 2 TO 9 PERCENT SLOPES	residuum weathered from sedimentary rock	137.4	1.4%
DbD	DIABLO CLAY, 9 TO 15 PERCENT SLOPES	residuum weathered from sedimentary rock	100.7	1.0%
DbE	DIABLO CLAY, 15 TO 30 PERCENT SLOPES	residuum weathered from sedimentary rock	45.3	0.5%
DbE2	DIABLO CLAY, 15 TO 30 PERCENT SLOPES, ERODED	residuum weathered from sedimentary rock	61.7	0.6%
DbF	DIABLO CLAY, 30 TO 50 PERCENT SLOPES	residuum weathered from sedimentary rock	68.1	0.7%
GdD	GOLDRIDGE FINE SANDY LOAM, 9 TO 15 PERCENT SLOPES	residuum weathered from sandstone	21.3	0.2%
GgD	GOULDING CLAY LOAM, 5 TO 15 PERCENT SLOPES	residuum weathered from metavolcanics	158.6	1.6%
GgE	GOULDING CLAY LOAM, 15 TO 30 PERCENT SLOPES	residuum weathered from metavolcanics	13.8	0.1%

Parent Material Name— Summary by Map Unit — Sonoma County, California				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
GgF	GOULDING CLAY LOAM, 30 TO 50 PERCENT SLOPES	residuum weathered from metavolcanics	260.7	2.7%
GID	GOULDING COBBLY CLAY LOAM, 5 TO 15 PERCENT SLOPES	residuum weathered from metavolcanics	200.5	2.0%
GIE	GOULDING COBBLY CLAY LOAM, 15 TO 30 PERCENT SLOPES	residuum weathered from metavolcanics	261.9	2.7%
GIF	GOULDING COBBLY CLAY LOAM, 30 TO 50 PERCENT SLOPES	residuum weathered from metavolcanics	403.7	4.1%
GIG	GOULDING COBBLY CLAY LOAM, 50 TO 75 PERCENT SLOPES	residuum weathered from metavolcanics	9.3	0.1%
GoF	GOULDING-TOOMES COMPLEX, 9 TO 50 PERCENT SLOPES	residuum weathered from igneous rock	1,777.9	18.1%
HaB	HAIRE FINE SANDY LOAM, HUMMOCKY, 0 TO 5 PERCENT SLOPES	alluvium derived from sedimentary rock	123.0	1.3%
KeE	KIDD STONY LOAM, 2 TO 30 PERCENT SLOPES	residuum weathered from rhyolite	41.7	0.4%
RaC	RAYNOR CLAY, 2 TO 9 PERCENT SLOPES	residuum weathered from igneous rock	325.7	3.3%
RaD	RAYNOR CLAY, 9 TO 15 PERCENT SLOPES	residuum weathered from igneous rock	257.8	2.6%
RaE	RAYNOR CLAY, 15 TO 30 PERCENT SLOPES	residuum weathered from igneous rock	287.5	2.9%
RcD	RAYNOR CLAY, SEEPED, 2 TO 15 PERCENT SLOPES	residuum weathered from igneous rock	167.8	1.7%
RnA	RIVERWASH	sandy and gravelly alluvium	95.5	1.0%
SkC	SPRECKELS LOAM, 2 TO 9 PERCENT SLOPES	residuum weathered from metavolcanics	45.5	0.5%
SkD	SPRECKELS LOAM, 9 TO 15 PERCENT SLOPES	residuum weathered from metavolcanics	62.4	0.6%
SkE	SPRECKELS LOAM, 15 TO 30 PERCENT SLOPES	residuum weathered from metavolcanics	54.2	0.6%
SkE2	SPRECKELS LOAM, 15 TO 30 PERCENT SLOPES, ERODED	residuum weathered from metavolcanics	22.6	0.2%

Parent Material Name— Summary by Map Unit — Sonoma County, California				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
SnF	STEINBECK LOAM, 30 TO 50 PERCENT SLOPES	residuum weathered from sandstone	5.7	0.1%
SoF	STONYFORD GRAVELLY LOAM, 30 TO 50 PERCENT SLOPES	residuum weathered from basic igneous rock	14.7	0.2%
ToE	TOOMES ROCKY LOAM, 2 TO 30 PERCENT SLOPES	residuum weathered from igneous rock	124.4	1.3%
ToG	TOOMES ROCKY LOAM, 30 TO 75 PERCENT SLOPES	residuum weathered from igneous rock	47.4	0.5%
W	WATER		13.3	0.1%
ZaA	ZAMORA SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	alluvium derived from sedimentary rock	45.0	0.5%
Totals for Area of Interest (AOI)			9,796.7	100.0%

## Description

Parent material name is a term for the general physical, chemical, and mineralogical composition of the unconsolidated material, mineral or organic, in which the soil forms. Mode of deposition and/or weathering may be implied by the name.

The soil surveyor uses parent material to develop a model used for soil mapping. Soil scientists and specialists in other disciplines use parent material to help interpret soil boundaries and project performance of the material below the soil. Many soil properties relate to parent material. Among these properties are proportions of sand, silt, and clay; chemical content; bulk density; structure; and the kinds and amounts of rock fragments. These properties affect interpretations and may be criteria used to separate soil series. Soil properties and landscape information may imply the kind of parent material.

For each soil in the database, one or more parent materials may be identified. One is marked as the representative or most commonly occurring. The representative parent material name is presented here.

## Rating Options

*Aggregation Method:* Dominant Condition

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Lower