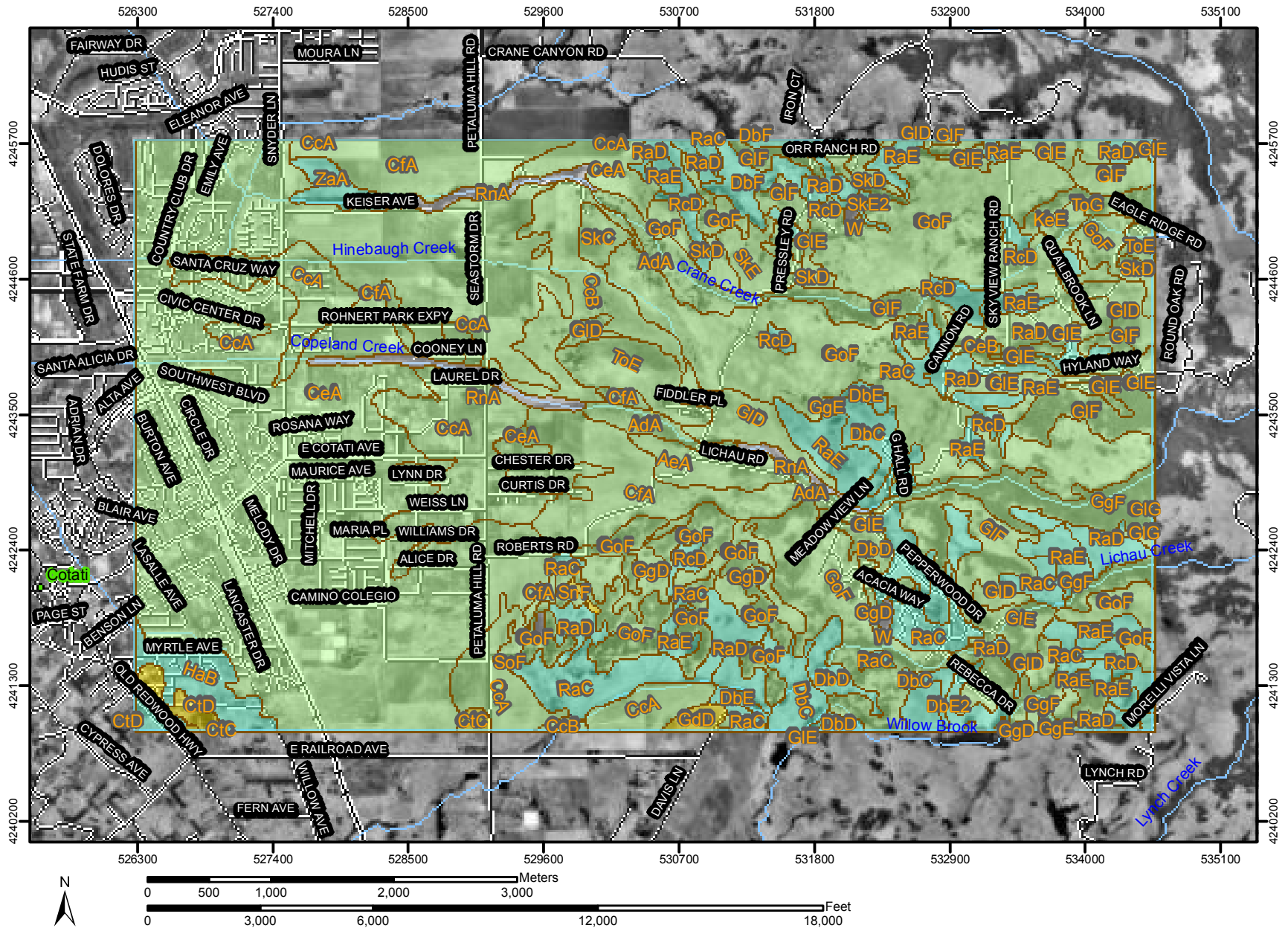



pH (1 to 1 Water)–Sonoma County, California



## MAP LEGEND













### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils



 Soil Map Units

### Soil Ratings



-  Ultra acid (pH < 3.5)
-  Extremely acid (pH 3.5 - 4.4)
-  Very strongly acid (pH 4.5 - 5.0)
-  Strongly acid (pH 5.1 - 5.5)
-  Moderately acid (pH 5.6 - 6.0)
-  Slightly acid (pH 6.1 - 6.5)
-  Neutral (pH 6.6 - 7.3)
-  Slightly alkaline (pH 7.4 - 7.8)
-  Moderately alkaline (pH 7.9 - 8.4)
-  Strongly alkaline (pH 8.5 - 9.0)
-  Very strongly alkaline (pH > 9.0)
-  Not rated or not available

### Political Features







#### Municipalities

-  Cities
-  Urban Areas

#### Water Features

-  Oceans
-  Streams and Canals

#### Transportation

-  Rails
-  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.

## pH (1 to 1 Water)

pH (1 to 1 Water)— Summary by Map Unit — Sonoma County, California				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
AdA	ALLUVIAL LAND, SANDY	6.5	145.2	1.5%
AeA	ALLUVIAL LAND, CLAYEY	6.5	85.8	0.9%
CcA	CLEAR LAKE CLAY LOAM, 0 TO 2 PERCENT SLOPES	6.5	630.0	6.4%
CcB	CLEAR LAKE CLAY LOAM, 2 TO 5 PERCENT SLOPES	6.5	219.7	2.2%
CeA	CLEAR LAKE CLAY, 0 TO 2 PERCENT SLOPES	6.5	2,941.2	30.0%
CeB	CLEAR LAKE CLAY, 2 TO 5 PERCENT SLOPES	6.5	13.5	0.1%
CfA	CLEAR LAKE CLAY, PONDED, 0 TO 2 PERCENT SLOPES	6.5	463.3	4.7%
CtC	COTATI FINE SANDY LOAM, 2 TO 9 PERCENT SLOPES	5.3	13.4	0.1%
CtD	COTATI FINE SANDY LOAM, 9 TO 15 PERCENT SLOPES	5.3	29.5	0.3%
DbC	DIABLO CLAY, 2 TO 9 PERCENT SLOPES	7.3	137.4	1.4%
DbD	DIABLO CLAY, 9 TO 15 PERCENT SLOPES	7.3	100.7	1.0%
DbE	DIABLO CLAY, 15 TO 30 PERCENT SLOPES	7.3	45.3	0.5%
DbE2	DIABLO CLAY, 15 TO 30 PERCENT SLOPES, ERODED	7.3	61.7	0.6%
DbF	DIABLO CLAY, 30 TO 50 PERCENT SLOPES	7.3	68.1	0.7%
GdD	GOLDRIDGE FINE SANDY LOAM, 9 TO 15 PERCENT SLOPES	5.5	21.3	0.2%
GgD	GOULDING CLAY LOAM, 5 TO 15 PERCENT SLOPES	6.1	158.6	1.6%
GgE	GOULDING CLAY LOAM, 15 TO 30 PERCENT SLOPES	6.1	13.8	0.1%

pH (1 to 1 Water)— 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	6.1	260.7	2.7%
GID	GOULDING COBBLY CLAY LOAM, 5 TO 15 PERCENT SLOPES	6.1	200.5	2.0%
GIE	GOULDING COBBLY CLAY LOAM, 15 TO 30 PERCENT SLOPES	6.1	261.9	2.7%
GIF	GOULDING COBBLY CLAY LOAM, 30 TO 50 PERCENT SLOPES	6.1	403.7	4.1%
GIG	GOULDING COBBLY CLAY LOAM, 50 TO 75 PERCENT SLOPES	6.1	9.3	0.1%
GoF	GOULDING-TOOMES COMPLEX, 9 TO 50 PERCENT SLOPES	6.1	1,777.9	18.1%
HaB	HAIRE FINE SANDY LOAM, HUMMOCKY, 0 TO 5 PERCENT SLOPES	6.7	123.0	1.3%
KeE	KIDD STONY LOAM, 2 TO 30 PERCENT SLOPES	6.1	41.7	0.4%
RaC	RAYNOR CLAY, 2 TO 9 PERCENT SLOPES	6.7	325.7	3.3%
RaD	RAYNOR CLAY, 9 TO 15 PERCENT SLOPES	6.7	257.8	2.6%
RaE	RAYNOR CLAY, 15 TO 30 PERCENT SLOPES	6.7	287.5	2.9%
RcD	RAYNOR CLAY, SEEPED, 2 TO 15 PERCENT SLOPES	6.7	167.8	1.7%
RnA	RIVERWASH		95.5	1.0%
SkC	SPRECKELS LOAM, 2 TO 9 PERCENT SLOPES	6.3	45.5	0.5%
SkD	SPRECKELS LOAM, 9 TO 15 PERCENT SLOPES	6.3	62.4	0.6%
SkE	SPRECKELS LOAM, 15 TO 30 PERCENT SLOPES	6.3	54.2	0.6%
Ske2	SPRECKELS LOAM, 15 TO 30 PERCENT SLOPES, ERODED	6.3	22.6	0.2%

pH (1 to 1 Water)— 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	5.3	5.7	0.1%
SoF	STONYFORD GRAVELLY LOAM, 30 TO 50 PERCENT SLOPES	6.3	14.7	0.2%
ToE	TOOMES ROCKY LOAM, 2 TO 30 PERCENT SLOPES	6.1	124.4	1.3%
ToG	TOOMES ROCKY LOAM, 30 TO 75 PERCENT SLOPES	6.1	47.4	0.5%
W	WATER		13.3	0.1%
ZaA	ZAMORA SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	6.7	45.0	0.5%
Totals for Area of Interest (AOI)			9,796.7	100.0%

## Description

Soil reaction is a measure of acidity or alkalinity. It is important in selecting crops and other plants, in evaluating soil amendments for fertility and stabilization, and in determining the risk of corrosion. In general, soils that are either highly alkaline or highly acid are likely to be very corrosive to steel. The most common soil laboratory measurement of pH is the 1:1 water method. A crushed soil sample is mixed with an equal amount of water, and a measurement is made of the suspension.

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.

## Rating Options

*Aggregation Method:* Dominant Component

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Higher

*Interpret Nulls as Zero:* No

*Layer Options:* Surface Layer