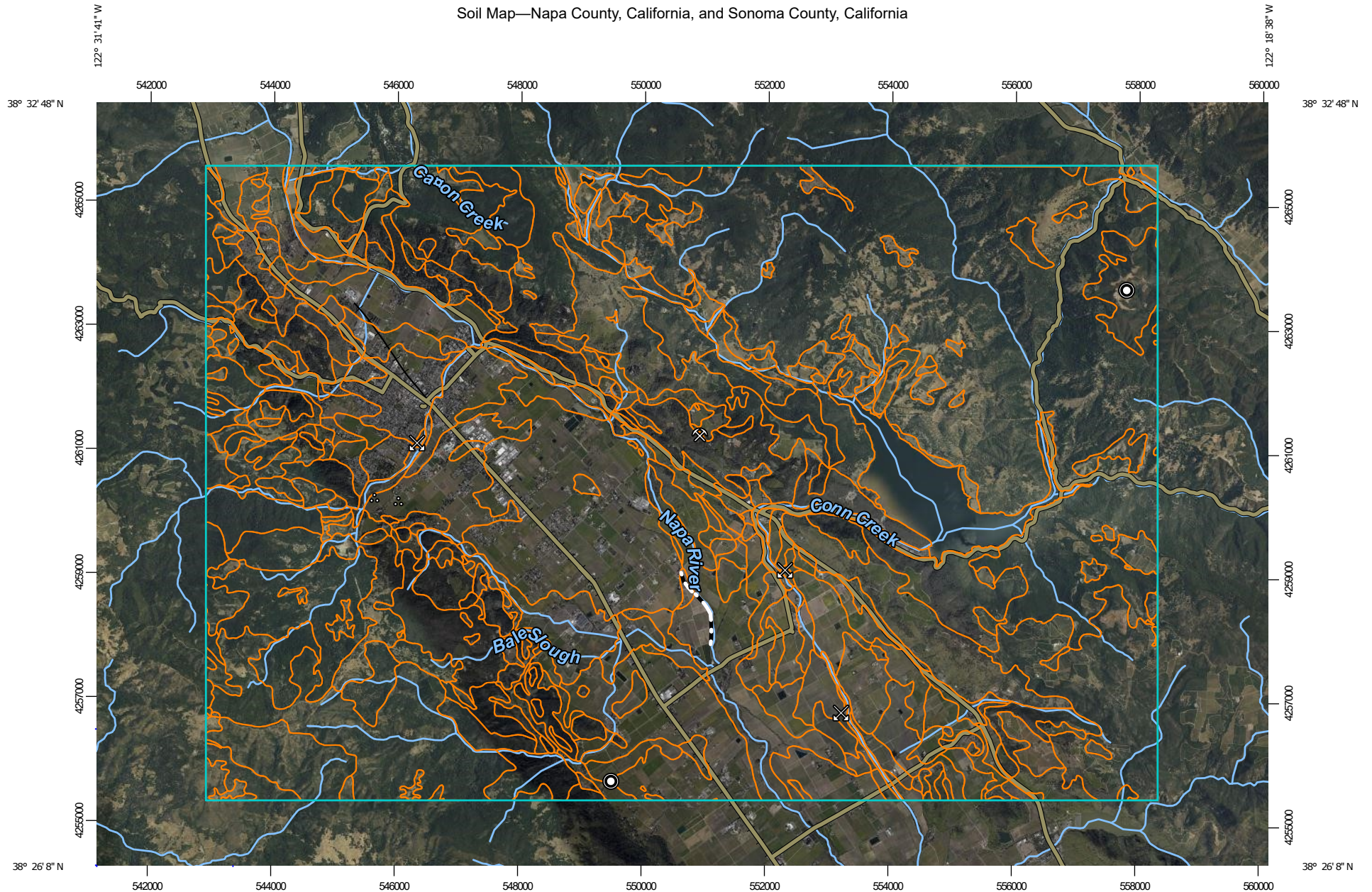


# Soil Map—Napa County, California, and Sonoma County, California



Map Scale: 1:86,700 if printed on A landscape (11" x 8.5") sheet.

0 1000 2000 4000 6000 Meters

0 4000 8000 16000 24000 Feet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 10N WGS84




**Natural Resources  
Conservation Service**

Web Soil Survey  
National Cooperative Soil Survey


11/18/2020  
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## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

### Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

### Water Features



Streams and Canals

### Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

### Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at scales ranging from 1:20,000 to 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

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

Soil Survey Area: Napa County, California

Survey Area Data: Version 13, May 29, 2020

Soil Survey Area: Sonoma County, California

Survey Area Data: Version 14, May 29, 2020

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 15, 2019—Jul 5, 2019

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.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
100	Aiken loam, 2 to 15 percent slopes	193.9	0.5%
101	Aiken loam, 15 to 30 percent slopes	24.3	0.1%
102	Aiken loam, 30 to 50 percent slopes	463.5	1.2%
103	Bale loam, 0 to 2 percent slopes	599.2	1.5%
104	Bale clay loam, 0 to 2 percent slopes	2,071.8	5.3%
105	Bale clay loam, 2 to 5 percent slopes	630.9	1.6%
107	Boomer loam, volcanic bedrock, 2 to 35 percent slopes, MLRA 15	138.5	0.4%
108	Boomer gravelly loam, volcanic bedrock, 11 to 43 percent slopes, MLRA 15	67.9	0.2%
109	Boomer gravelly loam, volcanic bedrock, 14 to 60 percent slopes, MLRA 15	913.4	2.3%
110	Boomer-Forward-Felta complex, 30 to 50 percent slopes	123.5	0.3%
111	Boomer-Forward-Felta complex, 5 to 30 percent slopes	33.2	0.1%
112	Bressa-Dibble complex, 5 to 15 percent slopes	33.8	0.1%
113	Bressa-Dibble complex, 15 to 30 percent slopes	180.7	0.5%
114	Bressa-Dibble complex, 30 to 50 percent slopes	42.1	0.1%
115	Bressa-Dibble complex, 50 to 75 percent slopes	9.3	0.0%
116	Clear Lake clay, drained, 0 to 2 percent slopes, MLRA 14	316.4	0.8%
117	Clear Lake clay, overwashed	342.1	0.9%
118	Cole silt loam, 0 to 2 percent slopes, MLRA 14	610.3	1.6%
119	Cole silt loam, 0 to 4 percent slopes, MLRA 14	8.3	0.0%
122	Coombs gravelly loam, 0 to 2 percent slopes	30.8	0.1%



Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
123	Coombs gravelly loam, 2 to 5 percent slopes	43.3	0.1%
124	Cortina very gravelly loam, 0 to 5 percent slopes, moist, MLRA 14	1,204.7	3.1%
125	Cortina very stony loam, 0 to 5 percent slopes	83.2	0.2%
127	Diablo clay, 9 to 15 percent slopes, MLRA 15	53.1	0.1%
128	Diablo clay, 15 to 30 percent slopes	69.1	0.2%
136	Felton gravelly loam, 30 to 50 percent slopes	1,430.2	3.7%
137	Felton gravelly loam, 50 to 75 percent slopes	198.5	0.5%
138	Forward silt loam, 3 to 26 percent slopes, MLRA 15	58.5	0.1%
139	Forward silt loam, 5 to 39 percent slopes, MLRA 15	369.0	0.9%
140	Forward silt loam, 12 to 57 percent slopes, MLRA 15	1,895.8	4.8%
141	Forward-Kidd complex, 11 to 60 percent slopes, MLRA 15	1,577.5	4.0%
143	Guenoc-Rock outcrop complex, 5 to 30 percent slopes	0.5	0.0%
146	Haire loam, 2 to 9 percent slopes	212.8	0.5%
149	Haire clay loam, 9 to 15 percent slopes	52.9	0.1%
150	Haire clay loam, 15 to 30 percent slopes	98.1	0.3%
151	Hambricht-Rock outcrop complex, 2 to 30 percent slopes	124.9	0.3%
152	Hambricht rock-Outcrop complex, 30 to 75 percent slopes	910.9	2.3%
153	Henneke gravelly loam, 4 to 46 percent slopes, MLRA 15	40.2	0.1%
154	Henneke gravelly loam, 30 to 75 percent slopes	1,573.7	4.0%
155	Kidd loam, 15 to 30 percent slopes	254.9	0.7%
156	Kidd loam, 30 to 75 percent slopes	54.8	0.1%
157	Lodo-Maymen-Felton association, 30 to 75 percent slopes	802.7	2.1%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
161	Maxwell clay, 2 to 9 percent slopes	456.8	1.2%
162	Maymen-Los Gatos complex, 50 to 75 percent slopes	1,501.6	3.8%
163	Maymen-Millsholm-Lodo association, 30-75 percent slopes	137.4	0.4%
164	Millsholm loam, 15 to 30 percent slopes, MLRA 15	27.1	0.1%
165	Millsholm loam, 6 to 55 percent slopes, MLRA 15	697.7	1.8%
166	Montara clay loam, 5 to 30 percent slopes	335.4	0.9%
167	Montara clay loam, 30 to 50 percent slopes	16.4	0.0%
168	Perkins gravelly loam, 1 to 10 percent slopes, MLRA 14	559.0	1.4%
169	Perkins gravelly loam, 5 to 9 percent slopes	281.6	0.7%
170	Pleasanton loam, 0 to 2 percent slopes, MLRA 14	3,063.7	7.8%
171	Pleasanton loam, 2 to 5 percent slopes, MLRA 14	286.0	0.7%
174	Riverwash	292.2	0.7%
175	Rock outcrop	50.3	0.1%
176	Rock outcrop-Hambright complex, 50 to 75 percent slopes	1,285.5	3.3%
177	Rock outcrop-Kidd complex, 50 to 75 percent slopes	312.3	0.8%
178	Sobrante loam, 5 to 30 percent slopes	452.3	1.2%
179	Sobrante loam, 30 to 50 percent slopes	8,710.4	22.3%
181	Yolo loam, 0 to 10 percent slopes, moist, MLRA 14	1,130.0	2.9%
182	Yolo loam, 0 to 15 percent slopes, moist, MLRA 15	53.6	0.1%
183	Water	824.2	2.1%
185	Pits, quarry	19.6	0.1%
GgFsn	Goulding clay loam, 30 to 50 percent slopes	2.5	0.0%
JoFsn	Josephine loam, 30 to 50 percent slopes	11.4	0.0%
MIGsn	Maymen-Los Gatos complex, 30 to 75 percent slopes, MLRA 15	16.7	0.0%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
MoGsn	Montara cobbly clay loam, 30 to 75 percent slopes	2.4	0.0%
<b>Subtotals for Soil Survey Area</b>		<b>38,469.4</b>	<b>98.3%</b>
<b>Totals for Area of Interest</b>		<b>39,128.2</b>	<b>100.0%</b>

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
GgF	Goulding clay loam, 30 to 50 percent slopes	1.1	0.0%
HgG2	Henneke gravelly loam, 30 to 75 percent slopes, eroded	52.2	0.1%
MIG	Maymen-Los Gatos complex, 30 to 75 percent slopes, MLRA 15	448.6	1.1%
MoG	Montara cobbly clay loam, 30 to 75 percent slopes	36.1	0.1%
RoG	Rock land	5.5	0.0%
ShE	Sobranite loam, 15 to 30 percent slopes	115.4	0.3%
<b>Subtotals for Soil Survey Area</b>		<b>658.8</b>	<b>1.7%</b>
<b>Totals for Area of Interest</b>		<b>39,128.2</b>	<b>100.0%</b>