

California Department of Conservation

FARMLAND MAPPING AND MONITORING PROGRAM

**SOIL CANDIDATE LISTING**

**FOR**

**PRIME FARMLAND AND FARMLAND OF STATEWIDE IMPORTANCE**

**ALAMEDA COUNTY**

U.S. Department of Agriculture, Natural Resources Conservation Service,

soil surveys for Alameda County include:

Soil Survey of Alameda Area, March 1966

Soil Survey of Alameda County, Western Part, March 1981

Beginning in 2000, SSURGO digital soil information has been incorporated into the Alameda County Important Farmland Map. Prior versions of the map have not been modified.

The SSURGO data includes Alameda Area (published 09/14/2018) and Alameda County, Western Part (published 09/12/2018). The digital surveys contain additional soil units beyond those published in the original paper surveys. Soils on the Prime Farmland and Farmland of Statewide Importance lists that only occur in the SSURGO data are appended in italics at the end of each list.

For more information on the NRCS SSURGO data, please visit the NRCS Soil Geography webpage: <http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/survey/geo/>

07/12/1995, updated 02/25/2021

ALAMEDA COUNTY  
PRIME FARMLAND SOILS

THESE SOIL MAPPING UNITS MEET THE CRITERIA FOR PRIME FARMLAND AS OUTLINED IN THE U.S. DEPARTMENT OF AGRICULTURE'S LAND INVENTORY AND MONITORING (LIM) PROJECT FOR THE *ALAMEDA AREA AND ALAMEDA COUNTY, WESTERN PART*, SOIL SURVEYS.

ALAMEDA AREA

<u>SYMBOL</u>	<u>NAME</u>
Cc	Clear Lake clay, 0 to 3 percent slopes
CdA	Clear Lake clay, drained, 0 to 2 percent slopes
CdB	Clear Lake clay, drained, 3 to 7 percent slopes
DaA	Danville silty clay loam, 0 to 3 percent slopes
Lg	Livermore gravelly loam
PgA	Pleasanton gravelly loam, 0 to 3 percent slopes
Rc	Rincon loam, 0 to 3 percent slopes
RdA	Rincon clay loam, 0 to 3 percent slopes
RdB	Rincon clay loam, 3 to 7 percent slopes
Sl	Sunnyvale clay loam
Sm	Sunnyvale clay loam over clay
Sn	Sunnyvale clay loam, drained
So	Sycamore silt loam, 0 to 2 percent slopes
Sy	Sycamore silt loam over clay
YmA	Yolo loam, calcareous substratum, 0 to 6 percent slopes
YmB*	Yolo loam, 0 to 8 percent slopes
Yo	Yolo loam over gravel, 0 to 3 percent slopes
Yr	Yolo gravelly loam, 0 to 3 percent slopes
Ys	Yolo sandy loam, 0 to 3 percent slopes
Za	Zamora silt loam, 0 to 4 percent slopes
Zc	Zamora silty clay loam, dry, 0 to 1 percent slopes
118	<i>Capay clay, 0 to 2 percent slopes</i>
119	<i>Capay clay, 1 to 6 percent slopes</i>
140aw	<i>Rincon clay loam, 0 to 2 percent slopes</i>
223	<i>Reiff loam, 0 to 2 percent slopes</i>
Bbcc	<i>Brentwood clay loam</i>
CaCcc	<i>Capay clay, 1 to 15 percent slopes</i>
CeBcc	<i>Conejo clay loam, 2 to 5 percent slopes</i>
CkBcc	<i>Cropley clay, 2 to 5 percent slopes</i>

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\* Soil YmB (Yolo loam, 0 to 8 percent slopes) was moved to the Prime Farmland list from the Farmland of Statewide Importance list on 09/28/2016.

Note: Soil 117aw (Laugenour loam, drained) was removed from the Alameda Area soil survey on 07/26/2010.

ALAMEDA COUNTY, WESTERN PART

<u>SYMBOL</u>	<u>NAME</u>
106	Botella loam, 0 to 2 percent slopes
107*	Clear Lake clay, drained, 0 to 2 percent slopes
108*	Clear Lake clay, 2 to 9 percent slopes, drained
111	Danville silty clay loam, 0 to 2 percent slopes
112	Danville silty clay loam, 2 to 9 percent slopes
117	Laugenour loam, drained
131*	Omni silty clay loam, drained
136	Pleasanton gravelly loam, 0 to 5 percent slopes
140	Rincon clay loam, 0 to 2 percent slopes
143*	Sycamore silt loam, drained, 0 to 2 percent slopes
144*	Sycamore silt loam, clay substratum
154*	Willows clay, drained
161	Yolo silt loam, 0 to 3 percent slopes, dry
166scl	<i>Campbell silt loam, 0 to 2 percent slopes, protected</i>
Cccc	<i>Clear Lake clay, 0 to 15 percent slopes</i>

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\* Prime Farmland if drained (Soils 107, 108, 131, 143, 144, and 154).

Note: Soil 166scl (Campbell silt loam, 0 to 2 percent slopes, protected) was added to the Alameda County, Western Part soil survey on 07/27/2010.

ALAMEDA COUNTY  
FARMLAND OF STATEWIDE  
IMPORTANCE SOILS

THESE SOIL MAPPING UNITS MEET THE CRITERIA FOR FARMLAND OF STATEWIDE IMPORTANCE AS OUTLINED IN THE U.S. DEPARTMENT OF AGRICULTURE'S LAND INVENTORY AND MONITORING (LIM) PROJECT FOR THE ALAMEDA AREA AND ALAMEDA COUNTY, WESTERN PART, SOIL SURVEYS.

ALAMEDA AREA

<u>SYMBOL</u>	<u>NAME</u>
AaC	Altamont clay, 3 to 15 percent slopes
DaB	Danville silty clay loam, 3 to 10 percent slopes
DbC	Diablo clay, 7 to 15 percent slopes
DvC	Diablo clay, very deep, 3 to 15 percent slopes
LaC	Linne clay loam, 3 to 15 percent slopes
Lm	Livermore very gravelly coarse sandy loam
PgB	Pleasanton gravelly loam, 3 to 12 percent slopes
<i>113aw</i>	<i>Diablo clay, 9 to 15 percent slopes</i>
<i>DdDcc</i>	<i>Diablo clay, 9 to 15 percent slopes</i>
<i>LbDcc</i>	<i>Linne clay loam, 5 to 15 percent slopes</i>
<i>TaCcc</i>	<i>Tierra loam, 2 to 9 percent slopes</i>

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Note: Soil YmB (Yolo loam, 0 to 8 percent slopes) was moved to the Prime Farmland list from the Farmland of Statewide Importance list on 09/28/2016.

ALAMEDA COUNTY  
FARMLAND OF STATEWIDE  
IMPORTANCE SOILS

ALAMEDA COUNTY, WESTERN PART

<u>SYMBOL</u>	<u>NAME</u>
100	Altamont clay, 5 to 15 percent slopes
105	Baywood variant, sand
113	Diablo clay, 9 to 15 percent slopes
125	Marvin silt loam, saline-alkali
145	Tierra loam, 0 to 5 percent slopes
<i>DvCaa</i>	<i>Diablo clay, very deep, 3 to 15 percent slopes</i>
<i>TaCcc</i>	<i>Tierra loam, 2 to 9 percent slopes</i>