

California Department of Conservation  
FARMLAND MAPPING AND MONITORING PROGRAM

**SOIL CANDIDATE LISTING**

for

**PRIME FARMLAND AND FARMLAND OF STATEWIDE IMPORTANCE**

**SANTA CLARA COUNTY**

U.S. Department of Agriculture, Natural Resources Conservation Service, soil surveys for Santa Clara County include:

Soil Survey of Eastern Santa Clara Area, California, September 1974

Soil Survey of Santa Clara Area, California, Western Part, July 2010

**Beginning in 2002, SSURGO digital soil information has been incorporated into the Santa Clara County Important Farmland Map. Prior versions of the map have not been modified.**

**The SSURGO data includes Eastern Santa Clara Area (published 7/27/2010) and Santa Clara Area, Western Part (published 7/27/2010). The digital surveys contain additional soil units beyond those published in the original paper surveys. Soils on the Prime and Statewide lists that only occur in the SSURGO data are appended to this list in italics.**

**For more information on the NRCS SSURGO data, please see:  
<http://soils.usda.gov/survey/geography/ssurgo/>**

Downloaded by BAZ July 31, 2014;

Confirmed by BAZ Jan 22, 2016; Apr 17, 2017; Oct 16, 2019

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8/2/95, updated 1/31/2011

**SANTA CLARA COUNTY  
PRIME FARMLAND SOILS**

U.S. DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE  
DAVIS, CALIFORNIA 95616

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 EASTERN SANTA CLARA AREA AND SANTA CLARA AREA, WESTERN PART SOIL SURVEYS.

EASTERN SANTA CLARA AREA

<u>Symbol</u>	<u>Name</u>
ArA	Arbuckle gravelly loam, 0 to 2 percent slopes
Ca*	Campbell silty clay loam
Cc <sup>#</sup>	Campbell silty clay loam, clay substratum
Cg <sup>#</sup>	Clear Lake clay
Ch*	Clear Lake clay, drained
CrA	Cropley clay, 0 to 2 percent slopes
CrC	Cropley clay, 2 to 9 percent slopes
EsA	Esparto loam, 0 to 2 percent slopes
EsC	Esparto loam, 2 to 9 percent slopes
GaA	Garretson loam, gravel substratum, 0 to 2 percent slopes
GbB	Garretson gravelly loam, 0 to 5 percent slopes
KeA	Keefers clay loam, 0 to 2 percent slopes
KeC2	Keefers clay loam, 2 to 9 percent slopes, eroded
LrA	Los Robles clay loam, 0 to 2 percent slopes
LrC	Los Robles clay loam, 2 to 9 percent slopes
Pa	Pacheco fine sandy loam
Pb*	Pacheco silt loam, drained

EASTERN SANTA CLARA AREA, continued

<u>Symbol</u>	<u>Name</u>
Pd	Pacheco clay loam
Pe*	Pacheco clay loam, gravelly substratum
PoA	Pleasanton loam, 0 to 2 percent slopes
PoC	Pleasanton loam, 2 to 9 percent slopes
PpA	Pleasanton gravelly loam, 0 to 2 percent slopes
PpC	Pleasanton gravelly loam, 2 to 9 percent slopes
RaA	Rincon clay loam, 0 to 2 percent slopes
RaC2	Rincon clay loam, 2 to 9 percent slopes, eroded
Su*	Sunnyvale silty clay
Sv*	Sunnyvale silty clay, drained
YaA	Yolo loam, 0 to 2 percent slopes
YaB	Yolo loam, 2 to 5 percent slopes
YeA	Yolo silty clay loam, 0 to 2 percent slopes
YeC	Yolo silty clay loam, 2 to 9 percent slopes
ZaA	Zamora loam, 0 to 2 percent slopes
ZaC	Zamora loam, 2 to 9 percent slopes
ZbA	Zamora clay loam, 0 to 2 percent slopes
ZbC	Zamora clay loam, 2 to 9 percent slopes
171scl	<i>Elder fine sandy loam, 0 to 2 percent slopes, rarely flooded</i>
315scl	<i>Cropley clay, 0 to 2 percent slopes</i>

EASTERN SANTA CLARA AREA, continued

<u>Symbol</u>	<u>Name</u>
<i>MhAsb</i>	<i>Metz sandy loam, wet variant, 0 to 2 percent slopes</i>
<i>PtBsb</i>	<i>Pleasanton loam, 2 to 5 percent slopes</i>
<i>PvC2sb</i>	<i>Pleasanton gravelly loam, 5 to 9 percent slopes, eroded</i>
<i>RsAsb</i>	<i>Rincon silty clay loam, 0 to 2 percent slopes</i>
<i>SnAsb</i>	<i>Sorrento silt loam, 0 to 2 percent slopes</i>

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\* Prime Farmland if drained.

# Prime Farmland if either protected from flooding or not frequently flooded during the growing season.

Note: Soil Cd (Campbell silty clay) was removed from the Prime Farmland list per NRCS letter of 7/21/03.

SANTA CLARA AREA, WESTERN PART

<u>Symbol</u>	<u>Name</u>
137	Stevenscreek sandy clay loam, 0 to percent slopes
144	Flaskan sandy clay loam, 0 to 2 percent slopes
146	Hangerone clay loam, drained, 0 to 2 percent slopes
161	Clear Lake silty clay, 0 to 2 percent slopes, drained
166	Campbell silt loam, 0 to 2 percent slopes, protected
168	Elder fine sandy loam, protected, 0 to 2 percent slopes
171	Elder fine sandy loam, 0 to 2 percent slopes, rarely flooded
173	Caninecreek-Elder complex, 0 to 2 percent slopes, rarely flooded
178	Caninecreek-Elder complex, 1 to 5 percent slopes, protected
181	Newpark silty clay loam, 0 to 2 percent slopes
315	Cropley clay, 0 to 2 percent slopes
316	Cropley clay, 2 to 9 percent slopes
409	Zamora loam, 2 to 9 percent slopes

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IMPORTANCE SOILS**

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EASTERN SANTA CLARA AREA

<u>Symbol</u>	<u>Name</u>
AkC	Arbuckle loam, deep, 5 to 9 percent slopes
AuD2	Azule clay loam, 9 to 15 percent slopes, eroded
Ce	Campbell silty clay, muck substratum
Ck	Clear Lake clay, saline
DaD	Diablo clay, 9 to 15 percent slopes
HfC	Hillgate silt loam, 2 to 9 percent slopes
McB	Maxwell clay, 0 to 5 percent slopes
SdA	San Ysidro loam, 0 to 2 percent slopes
SdB2	San Ysidro loam, 2 to 5 percent slopes, eroded
SfA	San Ysidro loam, acid variant, 0 to 2 percent slopes
SfC	San Ysidro loam, acid variant, 2 to 9 percent slopes
Wa	Willows clay
ZeC3	Zamora and Cropley soils, 2 to 9 percent slopes, severely eroded

SANTA CLARA AREA, WESTERN PART

<u>Symbol</u>	<u>Name</u>
400	Diablo clay, 9 to 15 percent slopes