

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 09/12/2018) and Santa Clara Area, 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/>

08/02/1995, updated 06/03/2021

SANTA CLARA 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 *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# | Campbell silty clay loam, clay substratum |
| Cg# | Clear Lake clay, 0 to 2 percent slopes, occasionally flooded |
| Ch* | Clear Lake clay, drained, 0 to 2 percent slopes |
| 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 |
| 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 7 percent slopes |
| YaB | Yolo loam, 0 to 8 percent slopes |
| YeA | Yolo silty clay loam, 0 to 2 percent slopes, rarely flooded |
| YeC | Yolo silty clay loam, 1 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 |

SANTA CLARA COUNTY
PRIME FARMLAND SOILS

| <u>SYMBOL</u> | <u>NAME</u> |
|---------------|---|
| <i>171scl</i> | <i>Elder fine sandy loam, 0 to 2 percent slopes, rarely flooded</i> |
| <i>315scl</i> | <i>Cropley clay, 0 to 2 percent slopes</i> |
| <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> |

* Prime Farmland if drained. (Soils Ca, Ch, Pb, Pe, Su, and Sv)

Prime Farmland if either protected from flooding or not frequently flooded during the growing season. (Soils Cc and Cg)

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

SANTA CLARA COUNTY
PRIME FARMLAND SOILS

SANTA CLARA AREA, WESTERN PART

| <u>SYMBOL</u> | <u>NAME</u> |
|---------------|--|
| 137 | Stevenscreek sandy clay loam, 0 to 2 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 |

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

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, drained, 0 to 1 percent slopes |
| 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, 0 percent slopes |
| ZeC3 | Zamora and Cropley soils, 2 to 9 percent slopes, severely eroded |

SANTA CLARA COUNTY
FARMLAND OF STATEWIDE
IMPORTANCE SOILS

SANTA CLARA AREA, WESTERN PART

| <u>SYMBOL</u> | <u>NAME</u> |
|---------------|-------------------------------------|
| 400 | Diablo clay, 5 to 25 percent slopes |