

Sustainable Agricultural Solutions to Climate Change



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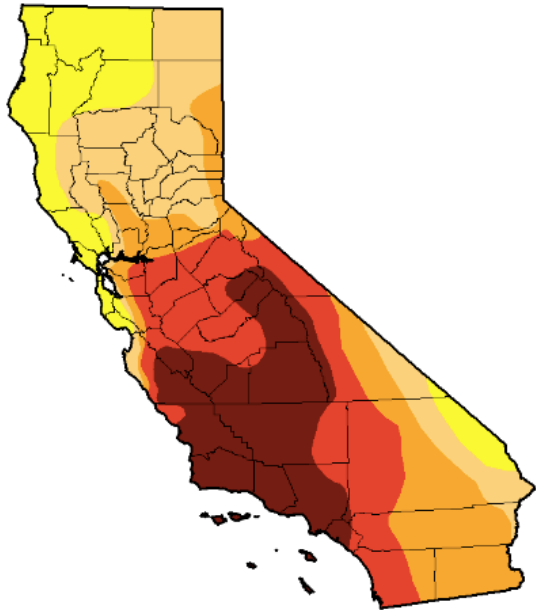


Climate Change Impacts on Agriculture

U.S. Drought Monitor California

October 11, 2016
(Released Thursday October 13, 2016)
Valid 8 a.m. EDT

Statistics type: **Traditional Percent Area** Export table: [PNG](#) [CSV](#) [XLS](#)



Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current 2016-10-11	0.00	100.00	83.59	62.27	42.80	21.04
Last Week 2016-10-04	0.00	100.00	83.59	62.27	42.80	21.04
3 Months Ago 2016-07-12	0.00	100.00	83.59	59.02	42.80	21.04
Start of Calendar Year 2015-12-29	0.00	100.00	97.33	87.55	69.07	44.84
Start of Water Year 2016-09-27	0.00	100.00	83.59	62.27	42.80	21.04
One Year Ago 2015-10-13	0.14	99.86	97.33	92.36	71.08	46.00

Estimated Population in Drought Areas: **33,774,411** [View More Statistics](#)

Intensity:

- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying [text summary](#) for forecast statements.

Author(s):

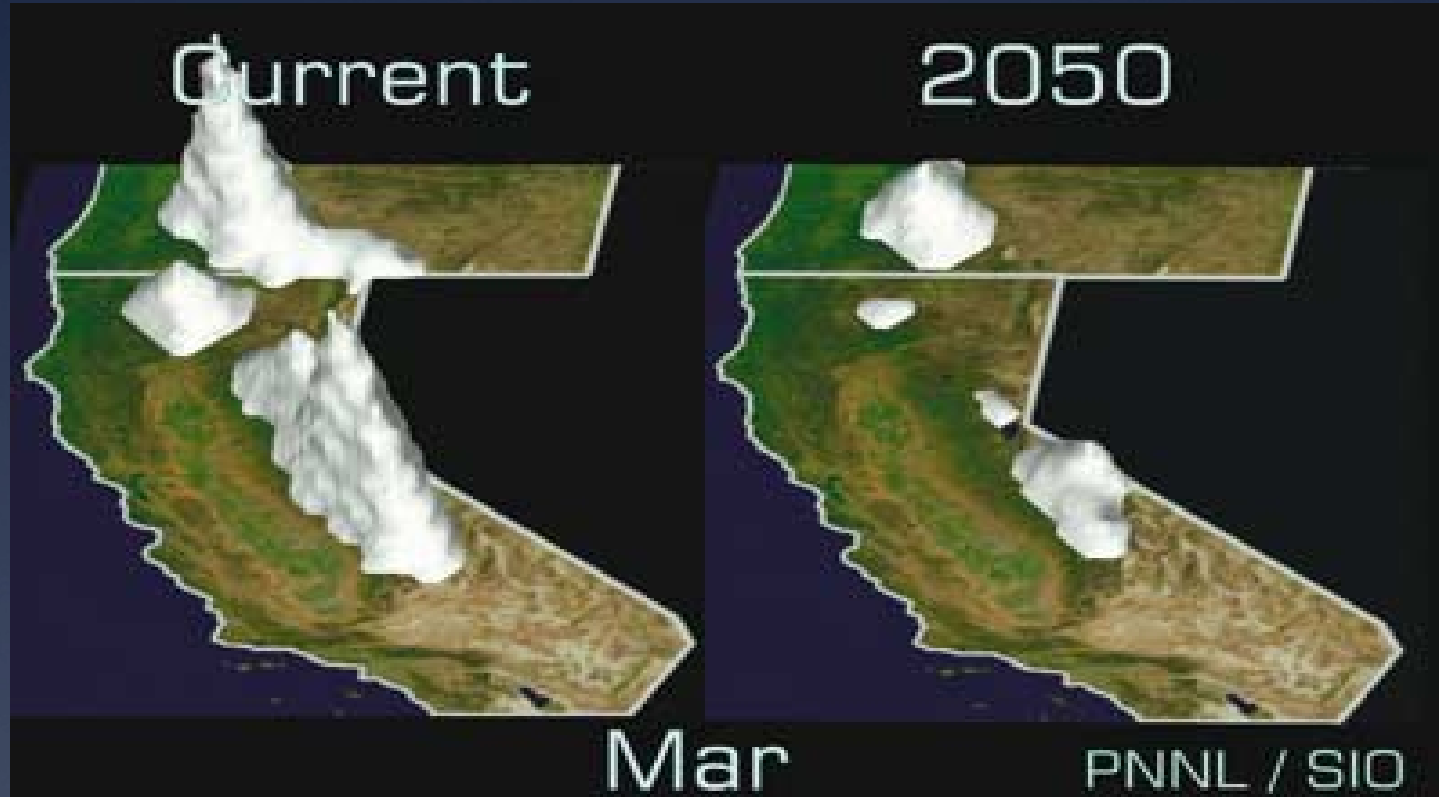
Brian Fuchs, National Drought Mitigation Center

[View drought planning resources](#)

download: [PNG](#) [PDF](#) [JPG](#)



Snowpack Projections in CA



Computerized projections of western United States snowfall levels in 2050 compared to present day. Scripps Institute of Oceanography. 2008

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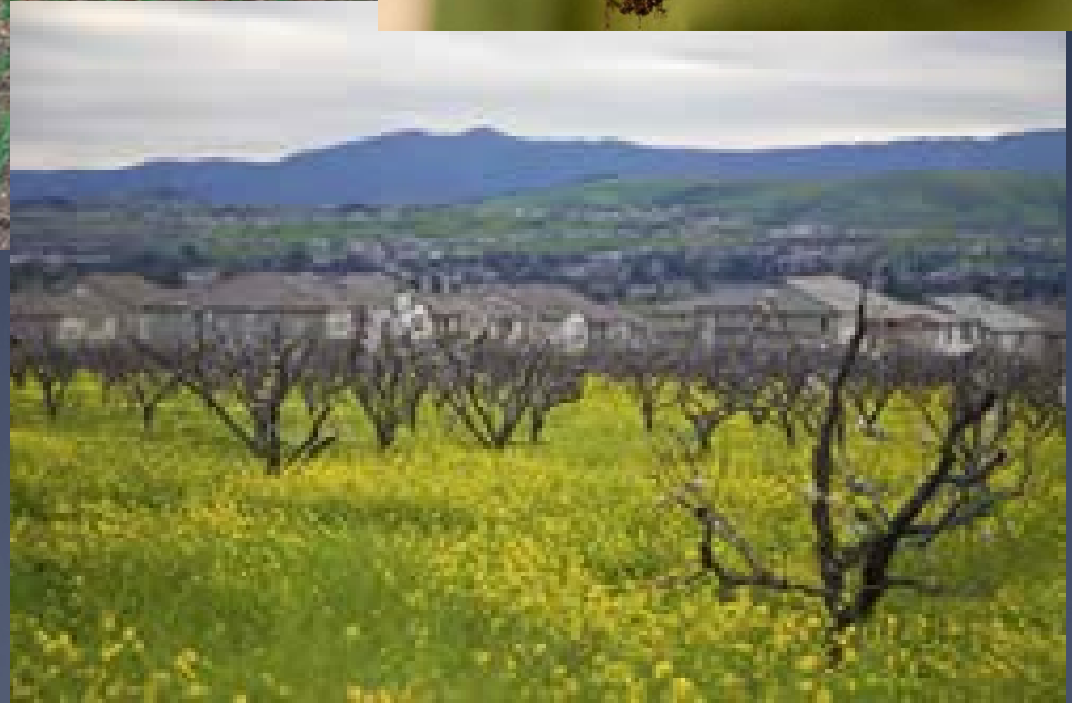




photo credit: CAFF

SALCP Ag Easement Eligibility Criteria

- * Agricultural land identified for development as evidenced by inclusion in a development proposal submitted to the local government, undergoing environmental review, or publicly available from controlling interests within the past 5 years;
- * Agricultural land identified for potential rezoning to non-agricultural use by a jurisdiction as evidenced by a revised zoning proposal or land use plan, or undergoing environmental review, within the past 5 years;
- * Agricultural land within a city's Sphere of Influence or municipal service boundary and, if applicable, within the city's urban growth boundary according to the city's general plan;
- * Agricultural land within a proposed expanded city boundary (annexation), Sphere of Influence, municipal service boundary, or specific plan;

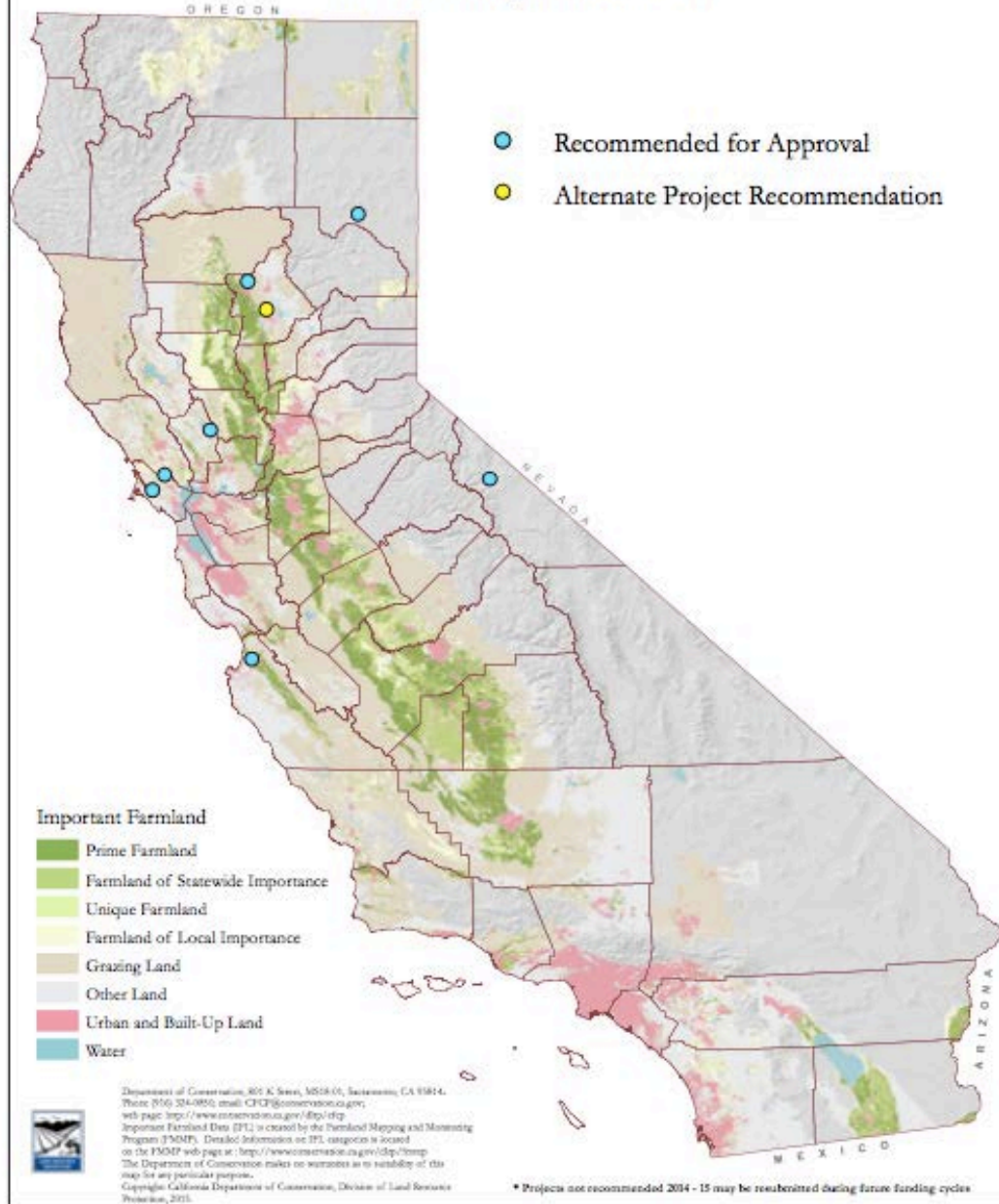
Eligibility Criteria Cont'd:

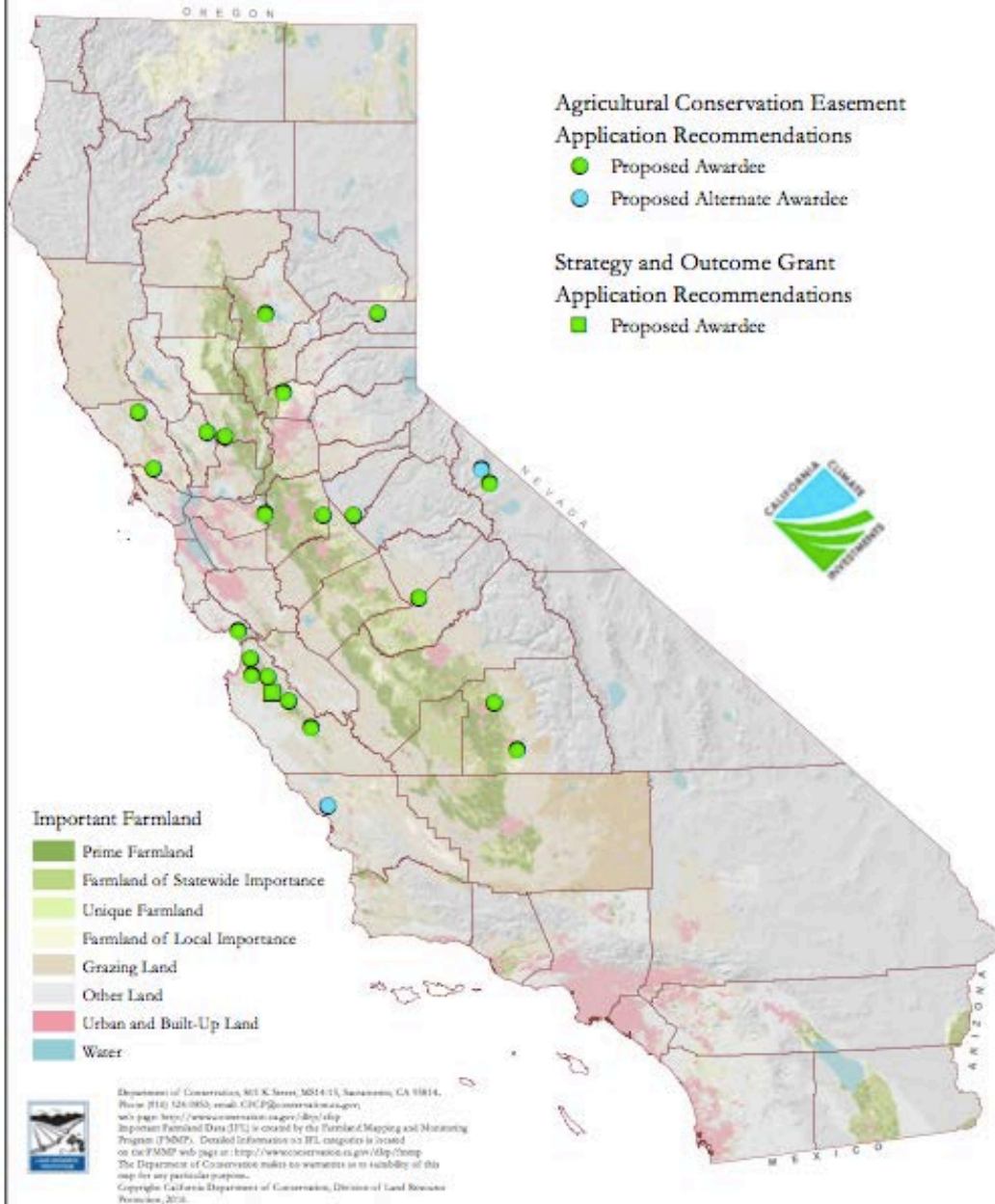
- * **Agricultural land within two miles** of a city's Sphere of Influence or municipal service boundary, or within two miles of an unincorporated area which is zoned for or contains residential development where the average lot size is two acres or less. Valid options to demonstrate risk of conversion for which rural residential zoning can be used to calculate the number of extinguished development rights:
- * **Agricultural land that is determined to be in conformance with the Subdivision Map Act based** on county issued Certificates of Compliance;
- * **Agricultural land up to five miles from land developed or zoned for rural residential use** (one to ten acres) in the county General Plan;
- * **Agricultural land within five miles of other agricultural land sold or advertised as rural home sites**, rural recreational sites, or other development as evidenced through comparable sales, multiple listing services, or similar property sales tools within the last five years. Valid options to demonstrate risk of conversion for which the current level of agricultural zoning can be used to calculate the number of extinguished development rights.
- * **Agricultural land located within two miles of attraction(s)** such as a casino, resort, golf course, public recreation area, school or university; or within two miles of a major highway intersection or road which is planned for expansion.

SALCP Strategy & Outcome Grants

- * Ag Land Mitigation Program Establishment
- * Ag Conservation Easement Purchase Program
- * Urban Limit Line/ Urban Growth Boundary
- * Increase Zoning Minimum for Designated Strategic Ag Areas
- * Adoption of Ag Greenbelt and Implementation Agreement

Sustainable Agricultural Land Conservation Program Agricultural Conservation Easement Projects 2014 - 15 Funding Recommendations





SALCP: Successes/Challenges to date

- * Climate/ Farmland Strategy Opportunity: Resulted in powerful coalition of land trusts, conservation and sustainable ag/farmer leader coalition.
- * Funded ag conservation easements on 33,000 acres
- * 6 local government farmland conservation planning/policy grants
- * \$42 million invested in two years, which represents a little more than half of what the California Farmland Conservancy Program funded in past 20 years.
- * Funding source: cap-and-trade auction proceeds – uncertain funding levels heading into third year of the program.
- * Constraints on local government grants.

Sustainable Ag Lands Conservation Program

Links:

<http://www.conservation.ca.gov/dlrp/SALCP>

<http://sgc.ca.gov/Grant-Programs/SALC-Program.html>

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