

**California Department of Conservation
FARMLAND MAPPING AND MONITORING PROGRAM**

2012 FIELD REPORT

COUNTY: Shasta

FIELD MAPPER(S): Troy Dick

IMAGE DATA USED:

Source: National Agriculture Imagery Program, USDA
Acquisition date: Summer 2012
Data description: True color mosaic, 1 meter resolution
Coverage gaps: None
Additional imagery used: None

WRITTEN, DIGITAL & ORAL INFORMATION SOURCES:

The following entities and individuals provided information used to conduct 2012 mapping.

Local Review Comments (submitted by cities, counties, & others on 2010 maps)
None
Personal Contacts
None
Websites Used for Reference
Google Earth, Street View: http://maps.google.com
GIS Data Used for Reference
California City Boundary Layer Shasta County Base Map

2010-2012 CHANGE SUMMARY:

Changes made during the map update are summarized by type and location. Particular attention is paid to large or unusual changes and their estimated acreages. Please note that land use type, size of land use unit, soil quality, and Farmland of Local Importance definition (if any) determines the final Important Farmland (IFL) category. [See definitions](#) at bottom of table.

Conversions to Urban Land	
Irrigated Farmland to Urban Land	0 changes
There were no significant conversions of Irrigated Farmland to Urban Land this update.	
Nonirrigated Land Uses and Other Land to Urban Land	4 changes
<p>The majority of the urbanization this update was due to the expansion of urban development in the City of Redding. The largest conversions included approximately 50 acres for the Veterans Home on Knighton, East Oaks Estates, Highland Park Community, Redding School of the Arts, and other new homes.</p>	
Conversions from Irrigated Farmland aside from urbanization	
Irrigated Farmland to Nonirrigated Land Uses	8 changes
<p>There were two primary reasons for the conversion of irrigated farmland to nonirrigated uses:</p> <p>First, the majority of these changes were due to plots of irrigated land having been fallow for three or more update cycles. Most of the changes in this category occurred on the Enterprise quad with approximately 40 acres going out of production. This was followed by the Balls Ferry quad with approximately 20 acres going out of production.</p> <p>Second, areas of irrigated farmland were identified that were no longer being irrigated but, instead, were being used for the cultivation of nonirrigated grain crops. These areas had not been irrigated for multiple update cycles. The largest changes due to nonirrigated grain production occurred on the Enterprise quad (50 acres) followed by the Cottonwood quad (30 acres).</p>	
Irrigated Farmland to Other Land	0 changes
There were no significant conversions of Irrigated Farmland to Other Land this update.	
Conversions to Irrigated Farmland	
Nonirrigated Land Uses and Other Land to Irrigated Farmland	1 changes
<p>The most notable addition of irrigated farmland occurred on the Balls Ferry quad with a total of approximately 20 acres being converted to irrigated farmland for row crops.</p>	

Unusual Changes

(Types of change not already described or special circumstances during the 2012 update.)

Farmland of Local Importance to Grazing Land: 41 conversions

There were two primary reasons for the conversion of Farmland of Local Importance to Grazing Land:

First, the majority of these changes were due to plots of irrigated Pasture having been fallow for three or more update cycles. Most of the changes in this category occurred on the Balls Ferry quad with approximately 230 acres going to Grazing Land. This was followed by the Cottonwood and Enterprise quads with approximately 110 and 80 acres, respectively, going to Grazing Land.

Second, conversions were due to the fallowing of nonirrigated grain for four or more update cycles. The majority of the changes occurred on the Enterprise quad with approximately 70 acres going to Grazing Land. This was followed by the Balls Ferry and Palo Cedro quads both with approximately 30 acres going to Grazing Land.

Areas of Concern for Future Updates

(Locations or map categories noted as needing careful checking during 2014 update, and reasons.)

None

Definitions:

Irrigated Farmland includes most irrigated crops grown in California. When combined with soil data, these farmed areas become the Important Farmland (IFL) categories of Prime Farmland, Farmland of Statewide Importance & Unique Farmland. Because of the nature of the IFL definitions, some irrigated uses, such as irrigated pastures or nurseries, may not be eligible for all three IFL categories.

Nonirrigated land uses include grazing areas, land used for dryland crop farming, and formerly irrigated land that has been left idle for three or more update cycles. These uses are frequently incorporated into county Farmland of Local Importance definitions.

Other Land includes a variety of miscellaneous uses, such as low density rural residential development, mining areas, vacant areas and nonagricultural vegetation. Confined animal agriculture facilities are mapped as Other Land unless incorporated into a county Farmland of Local Importance definition.

Urban Land includes residential, industrial, recreational, infrastructure and institutional uses.

For more on map categories, including Farmland of Local Importance definitions, visit the [FMMP web site](#).

LABOR ESTIMATE:

Time estimates for conducting the 2012 update.

Image interpretation, start date: 1/14/2015
Image interpretation, number of days: 5
Ground truth dates: 2/25/2015
Number of days for post-ground truth clean-up: 2

Further information on the Farmland Mapping and Monitoring Program can be found at:

<http://www.conservation.ca.gov/dlrp/fmmp/Pages/Index.aspx>