

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

2016 FIELD REPORT

COUNTY: Glenn

FIELD MAPPER(S): Troy Dick

IMAGE DATA USED:

Source: National Agriculture Imagery Program, USDA
Acquisition date: Summer 2016
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 2016 mapping.

Local Review Comments (submitted by cities, counties, & others on 2014 maps)
None
Personal Contacts
None
Websites Used for Reference
Google Maps, Street View: http://maps.google.com
GIS Data Used for Reference
California City Boundary Layer (2016) Glenn County Base Map

2014-2016 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	3 changes
<p>The majority of the urbanization of nonirrigated land and Other Land was due to the expansion of urban development in or adjacent to the City of Orland and the Town of Glenn. The largest conversions occurred in or adjacent to the City of Orland where approximately 20 acres of nonirrigated land was converted to a Pilot Travel Center, a Wendy's, and a solar facility.</p> <p>Meanwhile, near the Town of Glenn, approximately 10 acres was converted for the expansion and increased density of structures at the Borges of California Walnut Processing Plant.</p>	
Conversions from Irrigated Farmland aside from urbanization	
Irrigated Farmland to Nonirrigated Land Uses	35 changes
<p>Conversion of irrigated farmland to nonirrigated land uses was primarily due either to irrigated farmland having been fallow for three or more update cycles or the production of nonirrigated crops for three or more update cycles on formerly irrigated land. In Glenn County nonirrigated crops are classified as Farmland of Local Importance.</p> <p>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 Hamilton City quad with approximately 240 acres going out of production. This was followed by the Orland and Kirkwood quads with approximately 180 and 70 acres, respectively, going out of production.</p> <p>Finally, areas of irrigated farmland were identified that were no longer being irrigated but, instead, were being used for the cultivation of nonirrigated crops. The largest changes due to nonirrigated crop production for three or more update cycles occurred on the Willows quad (~30 acres) followed by the Orland quad (~20 acres).</p>	
Irrigated Farmland to Other Land	12 changes
<p>Most of the conversions to Other Land were due to small areas of irrigated farmland having been fallow for three or more update cycles or the use of high resolution imagery to delineate areas of rural residential land, low-density commercial areas, disturbed land, and natural vegetation throughout the county. The majority of these conversions occurred on the Orland quad with approximately 40 acres converting to Other Land for irrigated farmland that had been fallow for three or more updates and the delineation of rural residential, low-density commercial areas, and disturbed land. The Kirkwood quad had 30 acres of similar conversions to Other Land.</p>	

Conversions to Irrigated Farmland	
Nonirrigated Land Uses and Other Land to Irrigated Farmland	65 changes
<p>The most notable addition of irrigated farmland occurred on the Stone Valley quad with approximately 440 acres being converted to irrigated farmland for walnuts and other orchards. This was followed by the Orland and Willows quads with approximately 370 and 350 acres, respectively, being converted to irrigated farmland for almonds, walnuts, other orchards, row crops, and irrigated pasture.</p>	
Unusual Changes	
(Types of change not already described or special circumstances during the 2016 update.)	
<p><u>Conversion between Irrigated Farmland uses:</u> Changes of this type primarily involved conversion from irrigated pasture to irrigated farmland. There were 29 of these changes throughout the county. Depending on the underlying soil type, these changes may result in conversions between Prime Farmland, Farmland of Statewide Importance, and Unique Farmland.</p>	
<p><u>Conversions between Irrigated Farmland (P,S,U) categories:</u> These conversions were primarily due to soil unit changes from the incorporation of the statewide gridded soil survey from the Natural Resources Conservation Service.</p>	
Areas of Concern for Future Updates	
(Locations or map categories noted as needing careful checking during 2018 update, and reasons.)	
None	
<p>Definitions:</p> <p>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.</p> <p>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.</p> <p>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.</p>	

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 2016 update.

Image interpretation, start date: August 28, 2017
Image interpretation, number of days: 8
Ground truth dates: October 24 – 25, 2017
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>