

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

**2014 FIELD REPORT**

**COUNTY:** Glenn

**FIELD MAPPER(S):** Andrew McLeod

**IMAGE DATA USED:**

Source: National Agriculture Imagery Program, USDA
Acquisition date: Summer 2014
Data description: True color mosaic, 1 meter resolution
Coverage gaps: None
Additional imagery used: Google Maps

**WRITTEN, DIGITAL & ORAL INFORMATION SOURCES:**

*The following entities and individuals provided information used to conduct 2014 mapping.*

Local Review Comments (submitted by cities, counties, & others on 2012 maps)
None
Personal Contacts
None
Websites Used for Reference
United States Fish and Wildlife Service, Sacramento River National Wildlife Refuge: <a href="http://www.fws.gov/refuge/sacramento_river/">http://www.fws.gov/refuge/sacramento_river/</a> Google maps Street View
GIS Data Used for Reference
California City Boundary Layer California Protected Areas Database data (2014) Glenn County Base Map County Digital Soil Survey

## 2012-2014 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	1 change
Approximately 10 acres of new homes were added to an existing subdivision adjacent to Lely Park, on the southeastern outskirts of Orland.	
Nonirrigated Land Uses and Other Land to Urban Land	1 change
A new race track enclosing approximately 100 acres was added to the Thunderhill Raceway, located 10 miles west of Willows.	
Conversions from Irrigated Farmland aside from urbanization	
Irrigated Farmland to Nonirrigated Land Uses	76 changes
<p>The majority of these changes were due to plots of irrigated land having been fallow for three or more update cycles. The great majority of these changes were less than 40 acres each.</p> <p>The most significant conversions from irrigated categories to Grazing Land included large parcels of approximately 150 acres northeast of Artois, 90 acres south of Artois and 100 acres east of Logandale, as well as three fields southeast of Butte City totaling approximately 160 acres. A deactivated pivot sprinkler alongside the Tehama-Colusa Canal northwest of Artois accounted for approximately 100 acres of additional change from irrigated uses to Grazing Land.</p> <p>Other conversions came from irrigated production shifting to nonirrigated grain, which is mapped as Farmland of Local Importance in Glenn County. These included parcels of approximately 275 acres just west of the Willows Airport, 75 acres southwest of Artois, 70 acres just north of Willows and 70 acres between Hamilton City and Ordbend.</p>	
Irrigated Farmland to Other Land	14 changes
These changes were generally small, with the largest one being approximately 20 acres, located 5 miles east of Orland.	
Conversions to Irrigated Farmland	
Nonirrigated Land Uses and Other Land to Irrigated Farmland	46 changes
The primary conversions were due to the addition of new orchards. The largest such conversions were clustered on the western side of I-5 between Willows and Orland. Most significant of these was nearly 1,500 acres of new almonds northwest of Artois. Other large new orchards included approximately 320 acres north of Artois, three new orchards	

totaling approximately 360 acres on the Fruto NE quad, and three orchards totaling nearly 500 acres on the Stone Valley Quad. A new orchard of approximately 180 acres was also planted west of Logandale.

Closer to the Sacramento River, a large new walnut orchard (approximately 240 acres) was planted near Butte City along with three fields (totaling approximately 70 acres) of new rice. Further upstream, approximately 75 acres of new orchards were planted just south of Hamilton City.

### Unusual Changes

(Types of change not already described or special circumstances during the 2014 update.)

Conversions from Urban Land: Part of the new orchard just south of Hamilton City (mentioned above) was on land previously classified as developed, about 20 acres were taken out of the Urban category to accommodate the change. Additionally, about 75 acres of land located 2 miles west of Hamilton City were also reclassified from Urban Land to Other Land due to lack of sufficient infrastructure.

Other unusual changes: Four sites were added to an area of natural vegetation in the far southeastern corner of the county, totaling just over 200 acres. A channel change was made in the Sacramento River, resulting in approximately 25 acres increase in the Water category on the Ord Ferry quad.

### Areas of Concern for Future Updates

(Locations or map categories noted as needing careful checking during 2016 update, and reasons.)

An area south of Willows, between the Tehama-Colusa and Glenn-Colusa canals saw a very high degree of new fallowing this cycle. This is apparently related to the area's water districts having relatively junior water rights, leading to increases in irrigation costs. This area bears close observation considering that the drought has continued into 2016 and this summer's water deliveries may be limited.

### 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 2014 update.*

Image interpretation, start date: December 18, 2015
Image interpretation, number of days: 8
Ground truth dates: February 25-26, 2016
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>