

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

2008 FIELD REPORT

COUNTY: Glenn

FIELD MAPPER(S): Amy Klug

IMAGE DATA USED:

Source	Digital Globe Inc.
Acquisition date	September, 2008
Data description	true color mosaic, 1 foot resolution
Coverage gaps	Eastern 1/3 of County
Additional imagery used	Landsat: September, 2008. 30 m. resolution.

WRITTEN, DIGITAL & ORAL INFORMATION SOURCES:

The following entities and individuals provided information used to conduct 2008 mapping.

Local Review Comments (submitted by cities, counties, & others on 2006 maps)
none
Personal Contacts
Mike Wolder, Supervisory Wildlife Biologist, Sacramento National Wildlife Refuge.
Websites Used for Reference
Google Earth, Street View http://maps.google.com/maps?tab=w
GIS Data Used for Reference

2006-2008 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	2 changes
Two small changes occurred in Orland. A park was added (≈10 acres) and some new homes were added to a pre-existing development (≈10 acres).	
Nonirrigated Land Uses and Other Land to Urban Land	1 change
An approximately 15 acre change occurred south east of Orland due to the addition of new homes. A few minor boundary adjustments were also made.	
Conversions from Irrigated Farmland aside from urbanization	

Irrigated Farmland to Nonirrigated Land Uses	103 changes
<p>There were quite a few acres removed from irrigated categories ($\approx 1,495$ acres) due to land left idle for three or more update cycles; these were scattered around Orland, Hamilton City, Greenwood, and Ordbend. Near Butte City and Afton, another 570 acres was converted for similar reasons. Lastly, areas surrounding Willows, Artois, and Logandale also dropped out of irrigated uses due to land fallowing (≈ 420 acres). This land becomes classified as Farmland of Local Importance under Glenn County's definition.</p> <p>Conversion to wetlands, including a portion of the Upper Butte Wildlife Area (≈ 365 acres), accounted for approximately 605 acres of conversion. This land also qualified for Farmland of Local Importance as grazing is allowed within the Wildlife Area's management plan.</p> <p>Smaller changes occurred near Elk Creek, where approximately 145 acres of nonirrigated orchards were delineated. High value crops such as nonirrigated orchards and vineyards qualify as Unique Farmland under Important Farmland criteria despite the lack of irrigation.</p> <p>There were also two conversions to Farmland of Local Importance due to dryland farming. One conversion was a few miles south west of Greenwood (≈ 25 acres) and the other north west of Orland (≈ 60 acres).</p>	
Irrigated Farmland to Other Land	17 changes
<p>The majority of changes to Other Land occurred near Afton and Butte City. There were two conversions to wetlands, one in the Upper Butte Basin Wildlife Area (≈ 125 acres) and the other adjacent to it (≈ 135 acres). The rest were due to the delineation of riparian areas on land that was left fallow for three or more update cycles (≈ 110 acres).</p> <p>Several small conversions to Other Land occurred near Orland, Hamilton City, Ordbend, and Greenwood mostly due to the delineation of low density housing and agricultural staging areas (≈ 135 acres).</p>	
Conversions to Irrigated Farmland	
Nonirrigated Land Uses and Other Land to Irrigated Farmland	20 changes
<p>The majority of acres converted due to the addition of Orchards scattered in the vicinities of Hamilton City, Greenwood and Artois ($\approx 1,135$ acres). Smaller conversion to orchards occurred near Butte City, Afton, and Glenn (≈ 50 acres). Approximately 200 acres of new crops were delineated near Butte City, Orland and Afton.</p>	
Unusual Changes (Types of change not already described or special circumstances during the 2008 update.)	
<p>Just over 1,700 acres total converted from Grazing Land to Farmland of Local Importance mostly reflecting additional dryland grain areas near Hoodoo Hills (≈ 1140 acres), Greenwood (≈ 95 acres), and Hamilton City (≈ 135 acres). An updated water district</p>	

boundary file was also used delineate Farmland of Local Importance.

Areas of Concern for Future Updates

(Locations or map categories noted as needing careful checking during 2010 update, and reasons.)

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 2008 update.

Image interpretation, start date	April 14, 2009
Image interpretation, number of days	6 days
Ground truth dates	May 4-6, 2009
Number of days for post-ground truth clean up	2 days

Further information on the Farmland Mapping and Monitoring Program can be found at:
<http://www.conservation.ca.gov/dlrp/fmmp/Pages/Index.aspx>