

**California Department of Conservation
Farmland Mapping and Monitoring Program**

2006 FIELD REPORT

COUNTY: Glenn

FIELD MAPPER(S): Amy Klug

IMAGERY:

source: National Agricultural Imagery Program (NAIP)

date: summer 2006, summer 2005

scale: 2 meter resolution

film type: true color mosaic

coverage gaps:

additional imagery:

WRITTEN, DIGITAL & ORAL INFORMATION SOURCES: *Please list which local governments, interest groups, or individuals submitted comments on the 2004 maps. Also list all phone and in-person contacts made or related GIS data referenced while conducting the 2006 update.*

➤ *local review comments*

cities: None

county: Glenn County Planning and Public Works Agency.

others: David Rose, District Conservationist, NRCS Willows Service Center.

➤ *personal contacts:*

Mr. Donald Blake
Manager Upper Butte Basin Wildlife Area
dblake@dfg.ca.gov

➤ *websites:*

<http://www.dfg.ca.gov/lands/wa/region2/upperbuttebasin.html>

➤ *GIS data referenced:*

GDT Roads, DFG lands, Glenn Soils Data (CA021_Glenn_Co), Glenn crops data from the Planning and Public Works Agency (Glenn2004.shp)

2004-2006 CHANGES*: *Please summarize the most common changes to the maps. List representative locations (quad or city) of each type of change encountered. Make sure to list and describe particularly large, unusual or notable changes and give estimates of the acreage involved.*

➤ **Irrigated Farmland to Urban Land: 4 Changes**

Four small changes were made (≈ 60 acres total) this update which converted irrigated farmland to urban land. An industrial facility was added on the Logandale quad (≈10 acres). Ponds (≈15 acres) were added on the Willows quad to an urban rest stop area north of the Road 39 exit on Interstate 5. The Westhaven Assisted Living facility was added to the south east side of Orland (≈15 acres). Finally, new homes (≈15 acres) were added to the “Heartland” housing development in north Orland.

➤ **Local, Grazing or Other Land to Urban Land: 8 Changes**

The largest change (≈55 acres) in this category was the conversion of grazing land to Urban Land and was due to the expansion of the Glenn County Landfill located south west of the City of Orland at the end of County Road 33. New homes were added to the Birch Street Village housing community of south west Willows along with the Glenn County Learning Center and Office of Education (≈20 acres). A gas station and an adjacent trucking facility (≈15 acres) were added to existing urban land just south east of the County Road 57 exit off Interstate 5. Lastly, approximately 30 acres of ranchettes with enough structures to meet FMMP’s density criteria converted to urban land 1.5 miles south east of the City of Orland.

Two areas of dense ranchettes (≈30 acres total) changed from other land to urban land; one area at the corner of County Roads H and 15 slightly west of the City of Orland (≈10 acres) and the other 1.5 miles south east of the City of Orland (≈20 acres).

➤ **Irrigated Farmland to Local or Grazing Land: 52 Changes**

Approximately 730 acres total of irrigated farmland (≈670 acres) and irrigated pasture on prime or statewide soil (≈60 acres) converted to grazing land this update. Farmland fallowing for three or more update cycles accounted for most of these changes (≈720 acres) with the three largest changes occurring on the Butte City (215 acres), Stone Valley (≈165 acres), and Kirkwood (≈125 acres) quads.

Irrigated pasture on unique soil and nonirrigated grain are designated as “Local” for Glenn County. Approximately 1,115 acres total of irrigated farmland was converted to nonirrigated grains (≈760 acres) and irrigated pasture on unique soil (≈355 acres). The Julian Rocks (≈110 acres) and Stone Valley (≈150 acres) quads each had over 100 acres converted to nonirrigated grain. Two large changes of irrigated farmland to irrigated pasture occurred on the Black Butte Dam (≈125 acres) and Hamilton City (≈130 acres) quads.

➤ **Irrigated Farmland to Other Land: 41 Changes**

The majority of changes in this category were irrigated farmland converting to other land (≈880 acres, 36 changes). The two largest changes were the conversion to disturbed land with structures such as ranchettes and agricultural processing facilities (≈355 acres) and conversion to wetlands (≈245 acres) adjacent to the Upper Butte Basin Wildlife Area on the Butte City quad approximately six miles east of Princeton.

Conversion from irrigated pasture to other land, due to the delineation of ranchettes, accounted for approximately 45 acres and five changes on the Foster Island and Orland quads.

➤ **Local, Grazing or Other Land to Irrigated Farmland: 34 Changes**

Irrigated pasture on unique soil and nonirrigated grain are designated as “Local” for Glenn County. Less than five acres total converted from local (irrigated pasture on unique soil) to irrigated farmland due to the addition of unidentified crops and orchards on the Hamilton City, Black Butte Dam, and Orland quads.

The addition of orchards, mostly almonds, was the largest grazing land to irrigated farmland conversion accounting for approximately 2,110 of 2,220 acres total. The Black Butte Dam quad added the largest amount of orchards (≈1,715 acres) about 4 miles west of Orland. The remaining changes were due to the addition of crops (≈70 acres) and conversion to irrigated pasture (≈35 acres).

Changes of other land to irrigated farmland included approximately 25 acres of crops and orchards added on the Kirkwood, Hamilton City and Fruto North East quads and approximately 25 acres of irrigated pasture with the majority (≈15 acres) added on the Kirkwood quad.

➤ **Grazing Land to Other Land: 30 Changes**

A campground was noted at the Stony Gorge Reservoir (≈45 acres). Ranchettes in grazing areas added approximately 230 acres total to other land on the Elk Creek (≈10 acres), Foster Island (≈30 acres), Kirkwood (≈10 acres), Orland (≈120 acres), and Willows (≈60 acres) quads. Farmsteads, agricultural processing and mixed use areas accounted for approximately 365 acres converted county wide. Lastly, a small expansion was made to a mining facility (≈20 acres) located less than two miles north of Orland on County Road H.

➤ **Grazing or Other Land to Local: 20 Changes**

Approximately 2,340 acres of grazing land converted to local farmland largely due to the addition of nonirrigated grains ($\approx 2,310$ acres) with the three largest changes occurring on the Fruto North East (≈ 965 acres), Stone Valley (≈ 765 acres), and Chrome (≈ 235 acres) quads. Conversion to irrigated pasture on unique soil (≈ 30 acres) led to the rest of the changes on the Orland and Stone Valley quads.

Other land utilized as irrigated pasture on unique soil resulted in less than five acres converting to local on the Kirkwood and Hamilton City quads.

➤ **UNUSUAL:** *Category changes, complications with the Farmland of Local Importance definition, or any other special circumstances in 2006.*

Shifts in the course of the Sacramento River had been noted for one to three update cycles, which lead to a decision to update the boundaries. Notable conversions due to these adjustments consisted of approximately 345 acres of other land to water, 145 acres of water to other land, and 50 acres of water to prime farmland.

PROBLEM AREAS: *What locations and map categories need careful checking in 2008? Why?*

Special attention should be paid to irrigated pasture delineations for the 2008 update. During the 2006 update field check many of the areas that looked like irrigated pasture during aerial photo interpretation and were also called “pastureland” on the Glenn county crops GIS layer did not look irrigated and some even appeared to be fallow. This is most likely due to the fact that the field check occurred in winter 2008 when irrigation is not as necessary. Most of these areas were converted to irrigated pasture.

LABOR ESTIMATE: *Please estimate the amount of time spent on the following tasks.*

photo interpretation, start date: November 19, 2007

photo interpretation, number of days: 13

ground truthing dates: January 7 through January 10, 2008

days for map compilation and clean up: 3

* **Note:** **Irrigated Farmland** = Prime Farmland, Farmland of Statewide Importance or Unique Farmland; **Local** = Farmland of Local Importance

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

www.consrv.ca.gov/dlrp/fmmp