

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

2006 FIELD REPORT

COUNTY: Tehama

FIELD MAPPER(S): Michael Kisko

IMAGERY:

source: National Agricultural Imagery Program (NAIP), USDA

date: summer 2006

scale: 2 meter resolution

film type: true color mosaic

coverage gaps: eastern and western edges of the county

additional imagery: 2005 NAIP imagery (1 meter); Landsat 7 infrared imagery from summer 2005, 15-meter resolution

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:* none

cities:

county:

others:

➤ *personal contacts:*

Kelly Moroney, asst. Refuge Manager for the Sacramento River National Wildlife Refuge (530) 934-2801

➤ *websites:*

Sacramento NWR Complex: <http://www.fws.gov/sacramentovalleyrefuges/>

➤ *GIS data referenced:*

Public and Conservation Trust Lands layer

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: 2 conversions**

Only two notable conversions of Irrigated Farmland to Urban Land occurred this update, both of them in the City of Corning. The "Woodson Elementary School" (~10

acres) and new homes along Donovan Avenue (~5 acres) were additions in Corning.

➤ **Local, Grazing or Other Land to Urban Land: 18 conversions**

Conversions from Local, Grazing or Other Land to Urban Land were due to a combination of new residential and commercial development as well as the use of highly detailed (1-meter) digital imagery to delineate existing urban uses. Most of the new development occurred in the Red Bluff and Corning areas. In the Red Bluff area, five additions of new homes totaled approximately 50 acres. Further, a new “Home Depot” home improvement store in Red Bluff accounted for approximately 20 acres of urbanization. Meanwhile, Corning exhibited urbanization in the form of three additions of new homes (20 acres) and the new “Fig Lane Stor-All” mini storage facility (3 acres).

➤ **Irrigated Farmland to Local or Grazing Land: 75 conversions**

Conversions from Irrigated Farmland to Farmland of Local Importance or Grazing Land were primarily due to irrigated cropland or irrigated pastureland having been fallow for three or more update cycles. The majority of these types of conversions were 30 acres or less in size. Large examples of this type of change occurred on the Gerber (~130 acres), Inskip Hill (~100 acres), Flournoy (~130 and 170 acres), and Vina (~550 acres) quads.

A further type of conversion was due to the identification of areas of nonirrigated grain production. This type of change occurred where nonirrigated grain was found to have been planted on former Irrigated Farmland that had not been irrigated for three or more update cycles. Two large conversions of this type (both ~100 acres) were made on the Gerber quad.

➤ **Irrigated Farmland to Other Land: 6 conversions**

These conversions were primarily due to the use of highly detailed (1 meter) digital imagery to better delineate farmsteads, small farm ponds, and small water bodies throughout the county.

➤ **Local, Grazing or Other Land to Irrigated Farmland: 46 conversions**

Conversions to Irrigated Farmland were primarily due to new orchard plantings as well as the identification of irrigated pastureland. Additions of new orchards larger than 50 acres were made on the Tuscan Springs (52 acres), Foster Island (~60 acres), Springs NW (~85 acres), and Henleyville (~215 acres) quads. Meanwhile, additions of irrigated pasture that were greater than 50 acres occurred in three places on the Gerber quad (~55, 65, and 70 acres).

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

Nonirrigated grain areas throughout the county will need careful checking in future updates.

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

photo interpretation, start date: April 29th, 2008

photo interpretation, number of days: 8

ground truthing dates: May 14-16th, 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