

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

2006 FIELD REPORT

COUNTY: Shasta

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: none

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:

➤ *websites:*

Big League Dreams Sports Park: <http://www.bigleaguedreams.com/>

Turtle Bay Exploration Park: <http://www.turtlebay.org/>

The Northern California Veterans Cemetery:

<http://www.cdva.ca.gov/Cemetery/Location.aspx>

➤ *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**

The largest conversion of Irrigated Farmland to Urban Land this update occurred in the City of Anderson where approximately 10 acres of new homes were added. New homes were also seen in Redding where a portion of the "Cerro Vista" development (~5

acres) was a cause of conversion. Boundary adjustments associated with the use of 1 meter imagery also contributed to the total of this conversion type.

➤ **Local, Grazing or Other Land to Urban Land: 49 conversions**

The City of Redding led the way in this category of conversion with new homes, gardens, and sports fields in evidence. Multiple additions of new homes such as the “Land Park,” “Stanford Hills,” and “Kil Dara Ridge” home developments were added throughout the City of Redding causing the conversion of approximately 300 acres of Local, Grazing or Other Land. Further notable additions in Redding included the McConnell Gardens (~20 acres) at the Turtle Bay Exploration Park, the “Big League Dreams” Sports Park (~30 acres), and the “Redding Soccer Park” (~25 acres).

Meanwhile, new homes were added to a lesser degree in Shasta Lakes (~40 acres), Anderson (~10 acres), and Cottonwood (~10 acres). A retail development was also added in the form of the “Anderson Marketplace” with a Wal-Mart Supercenter (~25 acres). The new “Northern California Veterans Cemetery” (~15 acres) was a further notable addition on the Ono quad.

Finally, a number of conversions to Urban Land this update were due simply to the use of higher-resolution (1-meter) imagery and field visits to gauge housing densities. A couple of notable additions of existing homes occurred along State Highway 44 on the Inwood and Hagaman Gulch quads totaling approximately 350 acres.

➤ **Irrigated Farmland to Local or Grazing Land: 59 conversions**

These types of conversions were primarily due to Irrigated Farmland, irrigated crops as well as irrigated pasture, having been fallow for three update cycles. The majority of these conversions were smaller than 30 acres in size. However, larger conversions of 80 acres or more occurred on the Olinda (~80 acres), Ono (~80 acres), Redding (~90 acres), and Palo Cedro quads (~120 acres). The largest conversion from Irrigated Farmland to Grazing Land occurred on the Olinda quad with a conversion of approximately 560 acres.

➤ **Irrigated Farmland to Other Land: 11 conversions**

Conversions of Irrigated Farmland to Other Land were due to very small plots of Irrigated Farmland having been fallow for three update cycles or the delineation of farmsteads on the Cottonwood and Balls Ferry quads due to the use of higher resolution (1-meter) imagery.

➤ **Local, Grazing or Other Land to Irrigated Farmland: 8 conversions**

There were only a few additions of Irrigated Farmland this update in the form of irrigated pasture or irrigated crops. The Balls Ferry quad showed the most activity with four conversions totaling approximately 100 acres.

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

Conversions from Urban Land: Land was removed from the Urban Land category, primarily around the periphery of cities, due to improved digital imagery (1 meter) that allowed for the delineation of more distinct urban boundaries.

Conversions from Grazing Land to Other Land: These conversions were, also, primarily due to improved digital imagery (1 meter) that allowed for the delineation of ranchettes, especially in rural areas of the county. Significant conversions of this type occurred on the Ono (~100 acres), Olinda (~100 acres), Inwood (~150 acres), Clough Gulch (~150 acres), Enterprise (~300 acres), Palo Cedro (~300 acres), and Bella Vista (~550 acres) quads.

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: March 4th, 2008

photo interpretation, number of days: 8

ground truthing dates: March 18-21st, 2008

days for map compilation and clean up: 5

* **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