

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

2008 FIELD REPORT

COUNTY: San Joaquin

FIELD MAPPER(S): Troy Dick

IMAGE DATA USED:

Source	Digital Globe Inc.
Acquisition date	August 2008
Data description	1 foot resolution, true color mosaic
Coverage gaps	None
Additional imagery used	Google Maps

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)

City of Lathrop, City of Manteca

Personal Contacts

None

Websites Used for Reference

Archer Daniels Midland (ADM)

<http://www.adm.com>

Bright Homes

http://www.bright-homes.com/commun/comm/index.cfm?community_id=8

City of Lathrop: Parks & Recreation, Parks & Facilities

<http://www.ci.lathrop.ca.us/prd/parks.asp>

City of Manteca: Parks & Recreation Department

<http://www.ci.manteca.ca.us/parks/map.htm>

City of Ripon: City Parks

<http://www.cityofripon.org/Recreation/city-parks.html#mistlin>

Florsheim Homes

<http://www.florsheimhomes.com/index.php>

Google Maps, Street View

<http://maps.google.com/>

KB Homes

<http://www.kbhome.com/community~commID~00600563.aspx>

Shea Homes

<http://www.sheahomes.com>

Woodbridge by Del Webb

<http://www.delwebb.com>

Delta Wetlands Project, 2010 EIR section on land use

http://www.deltawetlandsproject.com/pou-eir-2010/09i_Ch04-08_LandUse-Ag.pdf

GIS Data Used for Reference

None

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

86 changes

The majority of changes this update were due to new homes, schools, shopping centers, parks, and businesses for a total of approximately 540 acres of conversions made for the following developments in the city and adjacent area of Manteca:

- Approximately 140 acres for Woodbridge by Del Webb homes and Woodridge Recreation Center
- Approximately 120 acres for Woodside Homes, Tesoro, Tesoro Park, Florsheim Homes: Valley Park, Valley Blossom, and new homes
- Approximately 100 acres for Atherton Homes: Antigua, Veritas school sports field, The Promenade Shops at Orchard Valley
- Approximately 60 acres for Costco Wholesale, Big League Dreams, and other stores
- Approximately 20 acres for Crossroads Grace Community Church, Manteca Commerce Park
- Approximately 20 acres for Expansion to Wilbur Ellis Co.
- Approximately 20 acres for Kensington Place
- Approximately 20 acres for Bright Homes, Terra Bella, Terra Bella Park
- Approximately 10 acres for a water control structure
- Approximately 10 acres for part of New Haven Elementary School
- Approximately 10 acres for part of sports field for Nile Garden Elementary School
- Approximately 10 acres for Valley Light Industrial and other stores

Meanwhile, a total of approximately 370 acres of conversions were made for the following developments in the city and adjacent areas of Stockton:

- Approximately 90 acres for Opus Logistics Center
- Approximately 80 acres for Heather Moore Estates, Riverbend Homes, and new homes
- Approximately 70 acres for Pro-Logis Center and Sears Distribution Center
- Approximately 40 acres for Ferguson, Stockton Distribution Center
- Approximately 20 acres for San Joaquin Animal Control Center
- Approximately 20 acres for Henry Elementary School and some homes
- Approximately 10 acres for St. Francis Motel, Stockton Baptist Church and school
- Approximately 10 acres for a new school
- Approximately 10 acres for Progressive Community Church

Nonirrigated Land Uses and Other Land to Urban Land	45 changes
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The majority of the urbanization this update was due to warehouses, businesses, and a school for a total of approximately 340 acres of conversions made for the following developments in the city and adjacent areas of Stockton:

- Approximately 130 acres for new warehouses
- Approximately 20 acres for DANA and office space
- Approximately 20 acres for Pacific Ethanol Station
- Approximately 10 acres for Stockton Nissan
- Approximately 10 acres for Podesta Ranch Elementary School

**Conversions from Irrigated Farmland
aside from urbanization**

Irrigated Farmland to Nonirrigated Land Uses	327 changes
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There were two primary reasons for the conversion of irrigated farmland:

First, the majority of these changes were due to plots of irrigated having been fallow for three or more update cycles. Countywide approximately 10,240 acres went out of production. The majority of the changes in this category occurred on the Tracy quad with a total of approximately 1,480 acres going out of production. This was followed by the Lockeford and Bouldin Island quads with a total of ~1,160 and 1,130 acres, respectively, going out of production. An additional 675 acres were taken out of production on the Clifton Court Forebay quad. Fallowing in the delta locations (Bouldin Island and Clifton Court Forebay quads) may be related to the proposed Delta Wetlands Project (see EIR link above).

Second, areas of irrigated farmland were identified that are no longer being irrigated but, instead, are being used for the cultivation of nonirrigated grain crops. These areas had not been irrigated for multiple update cycles. The largest changes occurred on the Vernalis and Midway quads with approximately 310 and 240 acres, respectively, going to nonirrigated grain crops.

Irrigated Farmland to Other Land	152 changes
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A majority of these changes were due to irrigated farmland having been fallow for three or more updates and to the use of higher resolution (1 foot) imagery to delineate

areas of Rural Residential Land. The majority of these changes happened on the Lockeford quad with a total of approximately 360 acres going to Rural Residential Land. This was followed by the Waterloo and Escalon quads with approximately 240 and 180 acres respectively, going to Rural Residential Land.

Other notable changes were due to irrigated farmland having been fallow for three or more update and that had been graded for development or for mining. The majority of these changes happened on the Clifton Court Forebay quad with a total of approximately 320 acres going to Vacant or Disturbed Land for land graded for development. This was followed by the Vernalis quad with a total of approximately 200 acres now classified as Vacant or Disturbed Land for expansion to mining.

Conversions to Irrigated Farmland

Nonirrigated Land Uses and Other Land to Irrigated Farmland | 90 changes

This update a total of approximately 3,710 acres was converted to irrigated farmland. The most notable addition of irrigated farmland occurred on the Linden quad with a total of approximately 980 acres going to irrigated farmland. This was followed by the Farmington and Clements quads with a total of approximately 560 and 550 acres, respectively, going to irrigated farmland. Several hundred acres of land will convert from Farmland of Local Importance to Unique Farmland due to a land use change from irrigated pasture to orchards, nurseries, or other high value crops.

Unusual Changes

(Types of change not already described or special circumstances during the 2008 update.)

Nonirrigated Land Uses to Rural Residential: 36 changes

All of these changes were due to the use of higher resolution (1 foot) imagery that led to the delineation of scattered low-density housing areas throughout the county. The majority of these changes happened on the Lockeford quad with a total of approximately 360 acres going to Rural Residential Land. This was followed by the Clements quad with a total of approximately 230 acres going to Rural Residential Land.

Urban boundary adjustments: Improvements due to the use of high resolution imagery resulted in minor changes to urban boundaries; multiple small changes resulted in approximately 300 acres of land reclassified out of urban and into the appropriate category.

Areas of Concern for Future Updates

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

The 2010 EIR for the Delta Wetlands Project anticipates conversion of all or part of Bouldin and Bacon Islands to nonagricultural uses (habitat and water storage, respectively). Much of the land is under short term agricultural leases, with Williamson Act contracts expiring in December 2012. These areas should be monitored for change.

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	December 16, 2009
Image interpretation, number of days	16
Ground truth dates	3/1/2010 – 3/4/2010, 3/8/2010
Number of days for post-ground truth clean up	10

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