

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

2006 FIELD REPORT

COUNTY: San Joaquin

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:

county:

others: USDA-NRCS

➤ *personal contacts:* None

➤ *websites:* <http://www.ciwmb.ca.gov/SWIS/>

➤ *GIS data referenced:* SWIS landfill/waste facility reference file (swis.dgn), GDT Roads.

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: 76 Changes**

The addition of new housing comprised the majority of changes in this category, accounting for approximately 2,175 of 2,975 total acres. There were six conversions of 100 or more acres in size. The largest change was the expansion of the “Mountain House” development located at the south west edge of the county (off Mountain House Parkway approximately two miles north of Interstate 205). The remaining changes were the “Moosedale Landing” development (≈255 acres) by Syncon Homes located west of I-5 in Lathrop, an unnamed development (≈160 acres) located in north Ripon, the “Milana” development (≈145 acres) by Woodside Homes located in north east Stockton, the “Riverbend” development (≈115 acres) by KB Homes located in north east Stockton, and the “Waterford Estates” development (≈100 acres) located in north Stockton. The Lodi South quad which includes north Stockton and south Lodi added the most urban land this update (≈660 acres).

Other notable changes included the addition of the Old River Golf Course (≈110 acres) located off South McArthur Drive approximately two miles north of Tracy, a water treatment facility (≈85 acres) located three miles north west of Tracy off Henderson Road, and the Ronald E. McNair High School located in north Stockton added approximately 80 acres to urban.

➤ **Local, Grazing or Other Land to Urban Land: 48 Changes**

There were 23 conversions (≈525 acres total) of what had been Farmland of Local Importance to Urban Land this update; this land had a history of irrigated farming use but most recently was classified as Local due to being left idle for multiple update cycles. New housing (8 changes, ≈160 acres total) accounted for the majority of acres converted. The three largest additions were the “Meadows” development (≈45 acres) by Beck Homes located in north Stockton, an unnamed development (≈25 acres) located in south Escalon, and the “Moosedale Landing” development (≈20 acres) by Syncon Homes located in west Lathrop. It is also worth mentioning a landfill expansion (≈55 acres) approximately 10 miles north east of Stockton, industrial buildings (≈120 acres total) added on the Stockton West (≈25 acres), Midway (≈35 acres), and Lathrop (≈60 acres) quads, and three water treatment facility expansions on the Clifton Court Forebay (≈20 acres), Avena (≈20 acres), and Lathrop (≈20 acres) quads.

Approximately 675 acres of Other Land converted to urban uses this update. The majority of the acres converted were due to the delineation of dense ranchettes and the addition of new homes (≈245 acres total). There were two changes, both due to the delineation of dense ranchettes, which were greater than 40 acres. One was located in south Stockton (≈45 acres) and the other was located in east Stockton (≈40 acres). The largest single conversion was the expansion of the Forward, Inc. landfill (≈185 acres) located on Austin Road in Manteca. The delineation of the East Collier Road interchange on Highway 99 and its surrounding urban land was the second largest change at approximately 70 acres.

There were two conversions of grazing land this update. A landfill was expanded on the Valley Springs SW quad (≈15 acres) and water treatment ponds (≈20 acres) were added to an existing facility on the Midway quad.

➤ **Irrigated Farmland to Local or Grazing Land:** 122 Changes

Nonirrigated grain, irrigated pasture on poor soils, historically irrigated land, and confined livestock are designated as Local in San Joaquin County. Land being left idle for three or more update cycles resulted in designating them as historic farmland; this accounted for 94 changes and approx. 2,960 acres being removed from the irrigated farmland category. Six quads had conversions greater than 200 acres, including Lathrop (≈475 acres), Goose Creek (≈330 acres), Tracy (≈295 acres), Stockton East (≈270 acres), Lockeford (≈255 acres), and Union Island (≈220 acres). There was one large conversion (≈255 acres) directly adjacent to an existing urban area in south Tracy. There were 4 changes and approximately 50 acres that converted to nonirrigated grain on the Escalon (≈15 acres), Farmington (≈25 acres), Clements (≈5 acres), and Lodi North (≈5 acres) quads. Confined livestock expansions or additions (such as dairies and ponds) converted approximately 210 acres with the three largest changes occurring on the Lockeford (≈75 acres), Avena (≈40 acres), and Escalon (≈25 acres) quads. Irrigated pasture on poor soil resulted in the conversion of approximately 40 acres to Local on the Escalon (≈25 acres), Avena (≈15 acres), and Lockeford (≈1 acre) quads. There were no specific conversions from irrigated farmland to grazing land this update, although small acreages may shift in this manner due to geoprocessing cleanup.

➤ **Irrigated Farmland to Other Land:** 94 Changes

Of the approximately 1,775 acres converted to Other Land this update, almost 805 acres changed due to the delineation of rural ranchettes, with the three largest conversions occurring on the Escalon (≈125 acres), Lockeford (≈120 acres), and Tracy (≈110 acres) quads. Delineations of farmsteads had the second largest total acres converted (≈310 acres) with the three largest conversions occurring on the Escalon (≈50 acres), Union Island (≈50 acres), and Peters (≈45 acres) quads. Mine expansions on the Lathrop (≈105 acres), Clements (≈100 acres), Solyo (≈80 acres), and Escalon (≈20 acres) quad converted nearly 305 acres total. Areas of the Old River (west of Lathrop) and its surrounding riparian areas were added this update as well (≈125 acres). Lastly, improved delineation along the Grant Line Canal (Union Island quad) and the BNSF Intermodal Rail (Stockton East quad) resulted in conversions to Other Land of approximately 75 and 65 acres, respectively.

➤ **Local, Grazing or Other Land to Irrigated Farmland:** 56 Changes

Nonirrigated grain, irrigated pasture on poor soils, historically irrigated farmland, and confined livestock are designated as Local in San Joaquin County. There were no conversions involving nonirrigated grains this update.

Conversion from historic farmland to irrigated farmland affected approximately 435 acres largely due to the addition of crops on the Stockton East (≈155 acres), Peters (≈45 acres), and Lockeford (≈45 acres) quads. Also notable was an approximately 40 acre orchard added on the Escalon quad. About 550 acres that had been irrigated pasture on poor soils converted from Local to Unique Farmland because they now support crops or orchards. Examples include irrigated crops on the Escalon (≈255 acres) quad and about 290 acres of orchards on the Farmington (≈130 acres), Escalon (≈65 acres), and Linden (≈55 acres) quads. Approximately 65 acres of confined livestock facilities converted to irrigated uses, primarily due to the addition of an orchard (≈40 acres) on the Farmington quad.

As for grazing land, the addition of orchards on the Escalon (≈350 acres), Farmington (≈110 acres), Peters (≈145 acres), and Valley Springs SW (≈80 acres) quads were responsible for the conversion of nearly 700 acres to irrigated categories.

Nearly 150 acres of Other Land were now found to be growing crops, with the three largest conversion occurring on the Thornton (≈55 acres), Peters (≈15 acres) and Lockeford (≈10 acres) quads.

➤ **Grazing Land to Other Land:** 7 Changes

The largest conversion was the addition of a mine (≈190 acres) about a half a mile north of Clements followed by the delineation of the Carnegie State Vehicular Recreation Area (≈130 acres) located off W. Corral Road on the south west edge of the County. Also worth mentioning was the delineation of rural ranchettes which converted approximately 100 acres on the Clements (≈55 acres), Peters (≈35 acres), and Lodi North (≈10 acres) quads. Nearly 55 acres of farmsteads were delineated on the Midway (≈45 acres) and Linden (≈10 acres) quads.

➤ **Grazing or Other Land to Local:** 16 Changes

The most significant change in this category was the addition of nonirrigated grain. Roughly 1,500 acres of dry grain on former grazing land was found on the Farmington (≈480 acres), Linden (≈350 acres), Lodi North (≈320 acres), Tracy (≈165 acres), Peters (≈80 acres), Lockeford (≈70 acres), and Clements (≈40 acres) quads.

➤ **UNUSUAL:** *Category changes, complications with the Farmland of Local Importance*

definition, or any other special circumstances in 2006.

Two man-made lakes associated with the new “Oakwood Shores” housing development south of Lathrop converted approximately 100 acres from Urban and Other Land to Water.

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

Consider allowing farmland left idle for three updates in agricultural areas one more update before removing.

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

photo interpretation, start date: February 14, 2008

photo interpretation, number of days: 10

ground truthing dates: March 7-10, 2008

days for map compilation and clean up: 6

* **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