

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

2008 FIELD REPORT

COUNTY: Solano

FIELD MAPPER(S): Amy Klug

IMAGE DATA USED:

Source	Digital Globe Inc.
Acquisition date	April 2007
Data description	True color mosaic, 1 foot resolution.
Coverage gaps	none
Additional imagery used	Google Earth, Street View

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)

Personal Contacts

Erik Vink, Manager: Liberty Island, Trust for Public Lands, (916) 557-1673.
Dennis McEwan, Manager: Liberty Island Monitoring Program, (916) 376-9688.
Michelle D. Hightower, Senior Planner, City of Vallejo, (707) 648-4506.

Websites Used for Reference

Interim Delta Actions, Department of Water Resources:
<http://www.water.ca.gov/deltainit/docs/6-16-08CacheSlough.pdf>
The Trust for Public Land newsletter:
http://www.tpl.org/content_documents/California_Newsletter_lo_rez.pdf
The lower Yolo Bypass Stakeholder Process Feasibility Assessment:
[http://www.csus.edu/ccp/publications/LYB_Feasibility_Assessment_Report_Final_For_Web_\(8-24-05\).pdf](http://www.csus.edu/ccp/publications/LYB_Feasibility_Assessment_Report_Final_For_Web_(8-24-05).pdf)
City of Vallejo: <http://www.ci.vallejo.ca.us>

GIS Data Used for Reference

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	1 change
<p>The “Vintage” housing development (≈40 acres) was added to Urban Land north west of Cordelia.</p>	
Nonirrigated Land Uses and Other Land to Urban Land	25 changes
<p>The majority of conversions from Grazing Land occurred on the western half of the county including approximately 90 acres of new homes (including the “Turnstone II” development) adjacent to Solano Community College. New homes were added (≈40 acres) next to the Rancho Solano Golf Course. In east Fairfield, an approximately 40 acre distribution center was noted as well as 40 acres of new homes. The Potrero Hills Landfill was expanded (≈25 acres). If we look to the south west, about 90 acres of new homes were built since last update; the majority due to the “Waters End” development in Benicia (≈50 acres). Near Vacaville, around 40 acres of new homes were delineated. South of American Canyon, approximately 45 acres of new homes was added. Lastly, there was one sizable development of new homes on the east side of the county near Rio Vista (≈40 acres).</p> <p>A large portion of the acres converted from Other Land were due to the use of detailed imagery to delineate more distinct urban boundaries. This was most notable in the Green Valley area where nearly 130 acres converted to Urban and Built-up Land. Development on Other Land in Vacaville was almost equally due to the addition of new homes (≈30 acres) as it was with business parks (≈25 acres).</p>	
Conversions from Irrigated Farmland aside from urbanization	
Irrigated Farmland to Nonirrigated Land Uses	71 changes
<p>Most of the irrigated farmland which converted to Grazing Land was fairly evenly distributed about the northern half of the county and was due to land left idle for three or more update cycles. There was a large concentration of such areas within a seven mile radius of Vacaville which totaled approximately 1,470 acres. A bit farther north near Allendale there were a few changes which totaled nearly 340 acres. Rio Vista contributed approximately 245 acres. The largest single change was located slightly north west of Liberty Island and totaled approximately 850 acres.</p>	
Irrigated Farmland to Other Land	11 changes
<p>The largest change to Other Land was due irrigated farmland left idle for three or more update cycles in the Liberty Island area (≈1,195 acres). In the north west portion of the county, around 45 acres was converted due to farmland fallowing and the addition of farmsteads and rural residential housing. A dairy was added south of Davis (≈10 acres). Approximately 35 acres of agricultural ponds was noted near Rio Vista. Lastly, fallow farmland (for three or more update cycles) located in the vicinity of Solano Community College led to the removal of nearly 30 acres.</p>	
Conversions to Irrigated Farmland	

Nonirrigated Land Uses and Other Land to Irrigated Farmland | 1 change

Almost 115 acres of crops was added on Other Land a few miles west of Liberty Island.

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

There was a sizable conversion (≈3,560 acres) from Other Land to Water this update due to the flooded portion of Liberty Island in southern Solano County. The levees were breached in January 1997 but long term status of the area was uncertain. The manager of this property (now owned by The Trust for Public Land) verified that there are no plans to reinforce the levees that would allow Liberty Island to return to farmland. The area is currently being allowed to naturally convert to wetland/tidal marsh habitat.

Approximately 1,100 acres of Grazing Land converted to Other Land this update. The majority of acres converted were due to the delineation of the Montezuma Wetlands Project (≈595 acres) located north west of Collinsville. Another change larger than 100 acres was the delineation of low density housing near Batavia (≈215 acres).

Areas of Concern for Future Updates
(Locations or map categories noted as needing careful checking during 2010 update, and reasons.)

Continue to look for potential irrigated pasture throughout the county.

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	October 24, 2008
Image interpretation, number of days	6
Ground truth dates	November 17, 18, and 19.
Number of days for post-ground truth clean up	2 Days

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