

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

2010 FIELD REPORT

COUNTY: Solano

FIELD MAPPER(S): Troy Dick

IMAGE DATA USED:

Source	National Agricultural Imagery Program (NAIP)
Acquisition date	summer 2009
Data description	1 meter resolution, true color mosaic
Coverage gaps	None
Additional imagery used	Google Maps, Landsat 2009

WRITTEN, DIGITAL & ORAL INFORMATION SOURCES:

The following entities and individuals provided information used to conduct 2010 mapping.

Local Review Comments

(submitted by cities, counties, & others on 2008 maps)

None

Personal Contacts

None

Websites Used for Reference

Cottonwood Creek Apartments:

<http://www.bridgehousing.com/Cottonwood>

Denova Homes:

<http://www.denovahomes.com/>

Google Maps, Street View

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

Interim Delta Actions, Department of Water Resources:

<http://www.water.ca.gov.deltainit/docs/6-16-08CacheSlough.pdf>

Trulia Real Estate Search:

<http://www.trulia.com/homepage.php>

GIS Data Used for Reference

None

2008-2010 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	6 changes
<p>The majority of these changes occurred in or adjacent to the cities of Dixon, Vacaville, and Davis. The largest changes took place in the City of Dixon with a total of approximately 70 acres for the Dixon High School, a Solar Power Station, and other structures. Meanwhile, in the City of Vacaville, approximately 50 acres of conversion was due to new homes in Carrington Manor at South Town and South Town Park. Furthermore, adjacent to the City of Davis, approximately 30 acres of conversion occurred in the form of the Robert Mondavi Institute for Wine and Food Science and a power substation.</p>	
Nonirrigated Land Uses and Other Land to Urban Land	28 changes
<p>The majority of the urbanization this update was due to new homes and businesses for a total of approximately 130 acres of conversion made for the following developments in the City of Vacaville:</p> <ul style="list-style-type: none">• ~30 acres for new office buildings• ~30 acres for Cryogenic Transportation and solar panels• ~20 acres for Portico at North Village community• ~10 acres for United Rentals• ~10 acres for Meadow Woods – executive homes• ~10 acres for The Courtyard & Villas of Portofino <p>Meanwhile, approximately 70 acres of conversions were made for the following developments in Suisun City:</p> <ul style="list-style-type: none">• ~10 acres for Cottonwood Apartments• ~10 acres for Four Seasons Self Storage, Stoneyard Masonry, and a gas station• ~10 acres for Independence Park	
Conversions from Irrigated Farmland	

aside from urbanization	
Irrigated Farmland to Nonirrigated Land Uses	105 changes
<p>All of the changes that occurred in this category were due to plots of irrigated farmland having been fallow for three or more update cycles. Countywide approximately 5,960 acres was converted to nonirrigated land uses. Most of the changes were located south of Midway Road, east of the City of Vacaville, and north of State Highway 12 with approximately 3,460 acres going out of production.</p>	
Irrigated Farmland to Other Land	39 changes
<p>The majority of these changes were due to a combination of the use of higher resolution imagery to delineate areas of low-density housing, natural vegetation, semi-agricultural and rural commercial throughout the county and irrigated farmland having been fallow for 3 or more update cycles in plots of land too small to be mapped as nonirrigated land uses. The largest changes happened on the Allendale quad, with approximately 130 acres going to Other Land for low-density housing and semi-agricultural and rural commercial uses. This was followed by the Saxon quad with approximately 110 acres going to Other Land.</p>	
Conversions to Irrigated Farmland	
Nonirrigated Land Uses and Other Land to Irrigated Farmland	18 changes
<p>The most notable addition of irrigated farmland this update occurred on the Elmira quad with approximately 1,050 acres. This was followed by the Dozier and Allendale quads with a total of approximately 240 and 110 acres, respectively, going to irrigated farmland.</p>	
Unusual Changes	
(Types of change not already described or special circumstances during the 2010 update.)	
<p>There was a conversion of approximately 150 acres from Other Land to Water this update due to the flooding of the southern portion of the Liberty Farms area for the Cache Slough Area Restoration Project. The area is currently being allowed to naturally convert to wetland/tidal marsh habitat.</p>	
Areas of Concern for Future Updates	
(Locations or map categories noted as needing careful checking during 2012 update, and reasons.)	
<p>Definitions:</p> <p>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.</p> <p>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.</p>	

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 2010 update.

Image interpretation, start date	July 1, 2010
Image interpretation, number of days	5
Ground truth dates	8/9/2010 -8/11/2010
Number of days for post-ground truth clean up	4

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