

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

2010 FIELD REPORT

COUNTY: Napa

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 2010

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)
Napa County City of Napa City of American Canyon
Personal Contacts
Allan Zehm Director of Land Management at Pacific Union College asehm@puc.edu
Websites Used for Reference
Google Maps, Street View: http://maps.google.com Wikipedia: http://en.wikipedia.org/wiki/American_Canyon_High_School
GIS Data Used for Reference
California City Boundary Layer

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	2 changes
<p>While there were no significant conversions of irrigated farmland to Urban Land this update, a warehouse and office space was delineated (8 acres) near the city of American Canyon. A number of other small additions were made due to the availability of high resolution imagery—these were essentially adjustments to the urban boundary.</p>	
Nonirrigated Land Uses and Other Land to Urban Land	12 changes
<p>The majority of the urbanization this update was due to the expansion of urban development in or adjacent to the cities of American Canyon and Napa. The largest changes took place in and adjacent to the city of American Canyon where a total of approximately 150 acres was added for Hanna Court Warehouses, American Canyon High School, Dolcetto at Vintage Ranch Homes, Biagi Brothers Distribution Center, Napa Gateway Commerce Center, Spring Hill Suites Marriott, and the Napa Distribution Center. Meanwhile, adjacent to the city of Napa, a total of approximately 20 acres was added for the Etude Winery and irrigation ponds.</p>	
Conversions from Irrigated Farmland aside from urbanization	
Irrigated Farmland to Nonirrigated Land Uses	36 changes
<p>There were two primary reasons for the conversion of irrigated farmland:</p> <p>First, the majority of these conversions were due to plots of irrigated farmland having been fallow for three or more update cycles. The majority of the conversions in this category occurred on the Cutting Wharf quad with approximately 160 acres going out of production. This was followed by the Napa and Sonoma quads approximately 70 and 60 acres, respectively, going out of production.</p> <p>Second, areas of irrigated farmland were identified that 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 conversion occurred on the Rutherford quad with approximately 20 acres going to nonirrigated grain crops. This was followed by the Yountville quad with approximately 10 acres going to nonirrigated grain crops.</p>	
Irrigated Farmland to Other Land	15 changes
<p>A majority of these conversions were due to a combination of the use of high resolution (1 meter) imagery to delineate areas of low-density housing and natural vegetation 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 majority of these conversions occurred on the Rutherford quad, with approximately 100 acres going to Other Land for low-density housing, natural vegetation, and nonirrigated land uses. This was followed by the Napa quad with approximately 50 acres going to Other Land uses.</p>	

Conversions to Irrigated Farmland

Nonirrigated Land Uses and Other Land to Irrigated Farmland | 30 changes

The most notable addition of irrigated farmland this update occurred on the Napa quad with a total of approximately 120 acres. This was followed by the Yountville quad with approximately 110 acres going to irrigated farmland.

It should also be noted that last update due to a technical error during file processing a change occurred where an irrigated farmland polygon of approximately 100 acres was deleted on the Sonoma quad. During this update the area is being added back in to the data, at approximately 100 acres.

Unusual Changes

(Types of change not already described or special circumstances during the 2010 update.)

Conversion between Irrigated Farmland categories: There were 3 conversions between irrigated farmland categories. These changes were due to either nonirrigated orchards having been replaced with irrigated orchards or irrigated crops being replaced by irrigated pasture. These changes may result in conversions between Prime Farmland, Farmland of Statewide Importance, and Unique Farmland.

Areas of Concern for Future Updates

(Locations or map categories noted as needing careful checking during 2012 update, and reasons.)

None

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 2010 update.

Image interpretation, start date	August 2, 2010
Image interpretation, number of days	7
Ground truth dates	October 5-6, 2010
Number of days for post-ground truth clean up	3

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