

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

**2012 FIELD REPORT**

**COUNTY:** Napa

**FIELD MAPPER(S):** Farl Grundy

**IMAGE DATA USED:**

Source: National Agriculture Imagery Program, USDA
Acquisition date: Summer 2012
Data description: True color mosaic, 1 meter resolution
Coverage gaps: None
Additional imagery used: None

**WRITTEN, DIGITAL & ORAL INFORMATION SOURCES:**

*The following entities and individuals provided information used to conduct 2012 mapping.*

Local Review Comments (submitted by cities, counties, & others on 2010 maps)
None
Personal Contacts
None
Websites Used for Reference
Google Streetview, Google Maps: <a href="http://maps.google.com">http://maps.google.com</a> Napa County: <a href="http://countyofnapa.org/">http://countyofnapa.org/</a> Napa Sonoma Marsh Restoration Project: <a href="http://www.napa-sonoma-marsh.org/">http://www.napa-sonoma-marsh.org/</a>
GIS Data Used for Reference
California City Boundary Layer Napa County Base Map

**2010-2012 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.*

<b>Conversions to Urban Land</b>	
Irrigated Farmland to Urban Land	1 change
<p>During this update there was only one notable change in this category. North east of the City of Napa there was approximately 11 acres converted from irrigated farmland to urban land. Other minimal changes occurred as a result of improved imagery and its use to more accurately delineate urban boundaries.</p>	
Nonirrigated Land Uses and Other Land to Urban Land	3 changes
<p>Throughout the county there were only three noteworthy changes to this category. The first change involved the addition of approximately 17 acres of new homes in the city of American Canyon. American Canyon also observed approximately 6 acres of commercial expansion, and eastern Napa witnessed the addition of approximately 6 acres of “Hidden Hills” new homes.</p>	
<b>Conversions from Irrigated Farmland aside from urbanization</b>	
Irrigated Farmland to Nonirrigated Land Uses	20 changes
<p>A majority of the changes this update were a result of irrigated farmland having been fallow for three or more update cycles. In this update the Napa quad experienced ~117 acres worth of changes from irrigated farmland, followed by the Calistoga quad with ~42 acres of change. The St. Helena quad witnessed approximately 35 acres of change, Cutting Wharf quad had ~17 acres and the Cordelia quad had ~12 acres of change in this category. Another reason for conversion this update was due to some irrigated crops (orchards or vines) now being managed as non-irrigated orchards of vines. There were approximately 4 of these changes countywide resulting in the conversion of ~56 acres of Prime Farmland to Unique Farmland.</p>	
Irrigated Farmland to Other Land	19 changes
<p>The bulk of these changes occurred as a result of improved imagery which allowed for more accurate delineation between low density housing and natural vegetation throughout the county. Changes also occurred from farmland having been fallow for three or more update cycles. The St. Helena quad had 4 changes totaling ~56 acres, while the Yountville quad had 7 changes for ~53 acres. The Calistoga quad experienced 6 changes for a total of ~22 acres, and the Rutherford quad experienced 2 changes totaling ~15 acres.</p>	
<b>Conversions to Irrigated Farmland</b>	
Nonirrigated Land Uses and Other Land to Irrigated Farmland	31 changes
<p>Conversions to irrigated farmland were small in acreage but there were a large number of them this update. The Napa quad had 11 changes to this category totaling approximately 158 acres. Second was the Yountville quad with 9 changes for ~76 acres, St. Helena quad had 6 changes for ~33 acres, and the Chiles Valley quad had 5 changes for</p>	

approximately 18 acres worth of change.

### Unusual Changes

(Types of change not already described or special circumstances during the 2012 update.)

There were two unusual changes update, and both occurred in the Cuttings Wharf quad. These changes were a result of the Napa-Sonoma Marsh restoration project, which involved the restoration of managed ponds to provide waterfowl and shorebird habitat. There was a conversion of more than 950 acres from Other Land to Water as a result of this project.

### Areas of Concern for Future Updates

(Locations or map categories noted as needing careful checking during 2014 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 2012 update.*

Image interpretation, start date: 3/26/2014

Image interpretation, number of days: 6

Ground truth dates: 5/7/2014
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Number of days for post-ground truth clean-up: 1.5
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*Further information on the Farmland Mapping and Monitoring Program can be found at:*  
<http://www.conservation.ca.gov/dlrp/fmmp/Pages/Index.aspx>