

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

2010 FIELD REPORT

COUNTY: Marin

FIELD MAPPER(S): Amy Klug

IMAGE DATA USED:

Source	National Agriculture Imagery Program (NAIP)
Acquisition date	N/A
Data description	1 meter resolution, true color mosaic
Coverage gaps	none
Additional imagery used	Google Maps

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)

Lisa Bush, Range Management and Agricultural Consultant working for Marin County, 707-829-0107.

Personal Contacts

John DiGregoria, Range Management Specialist, Point Reyes National Seashore, 415-331-0744.

Websites Used for Reference

<http://science.nature.nps.gov/nrdata/>

GIS Data Used for Reference

PRNS and GGNRA ranch boundaries shape file and boundaries of National Parks.

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	0 changes
none	
Nonirrigated Land Uses and Other Land to Urban Land	7 changes
Changes due to the use of detailed imagery to delineate more distinct urban boundaries.	

Conversions from Irrigated Farmland aside from urbanization

Irrigated Farmland to Nonirrigated Land Uses	8 changes
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Changes to Grazing Land were due to land left fallow for three or more update cycles. There were seven changes which occurred near Gallinas (~25 acres), Nicasio (~10 acres), Bolinas (~20 acres), and Red Hill (~55 acres).

Approximately 250 acres of irrigated pasture converted to non-irrigated grains (Farmland of Local Importance) in the vicinity of Gallinas.

Irrigated Farmland to Other Land	4 changes
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The addition of the Giacomini Wetlands near Point Reyes Station led to an approximately 255 acre conversion from irrigated farmland to Other Land. There was also a ~30 acre change to Other Land due to farmland left fallow for three or more update cycles. This change occurred within the Point Reyes National Seashore and was outside a grazing lease boundary which is why the conversion was to Other Land rather than Grazing Land. Grazing land lease boundaries were updated this mapping cycle.

Conversions to Irrigated Farmland

Nonirrigated Land Uses and Other Land to Irrigated Farmland	X changes
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Vines and orchards were added on Grazing Land near Tomales (~10 acres), Red Hill (~10 acres), and in the Lucas Valley (~20 acres).

Unusual Changes

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

Grazing lease boundaries within the Point Reyes National Seashore and Golden Gate National Recreational Area were updated with update with GIS shapefile data obtained from the Point Reyes National Seashore's range manager. This led to some large conversions between Other Land and Grazing Land. Approximately 3,880 acres of Grazing Land, which also might lead to conversions from Farmland of Local Importance, converted to Other Land within the PRNS and ~2,045 acres in the GGNRA. There were also conversions from Other Land to Grazing Land: ~1,015 acres in the PRNS and ~ 2,635 in the GGNRA.

Approximately 400 acres of non-irrigated grain went out of production due to fallowing for four or more update cycles. Areas of fallowing occurred near Novato (~30 acres), Gallinas (~75 acres), Red Hill (~50 acres), Hamlet (~15 acres), and within the Point Reyes National Seashore (~230 acres). Conversely, additions of non-irrigated grains occurred between Fallon and Tomales (~505 acres) and near the ~Chileno Valley (~100 acres) and Red Hill (~130 acres). Because the county's Farmland of Local Importance definition also includes soil units, the conversion statistics may not necessarily reflect changes between dryland farming and grazing uses.

Areas of Concern for Future Updates

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

Continue to check for newer versions of Grazing Lease data in the PRNS and GGNRA.

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	7/16/10
Image interpretation, number of days	4.5 days
Ground truth date	8/12/10
Number of days for post-ground truth clean up	0.5 days

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