

**California Department of Conservation  
Farmland Mapping and Monitoring Program**

**2000 FIELD REPORT**

**COUNTY:**Shasta

**FIELD MAPPER(S):** Patrick Hennessy

**PHOTOGRAPHY:**

*source:* NASA-Ames  
*date:* September 14, 1999  
*scale:* 1 :130,000  
*film type:* CIR Transparency  
*coverage gaps:* Far west, north and east portions of survey area

**SATELLITE DATA:**

*source:* SPOT Image Corp.  
*date:* 2000  
*type:* Black and White  
*coverage gaps:* none

**WRITTEN OR ORAL INFORMATION SOURCES:** *Please list which local governments, interest groups, or individuals submitted comments on the 1998 maps. Also list all phone and in-person contacts made while conducting the 2000 update.*

➤ *local review comments*

*cities:*  
*county:*  
*others:*

➤ *personal contacts:*

Rod Dinger – Redding Airport      rdinger@ci.redding.ca.us

**1998-2000 CHANGES\*:** *Please summarize the most common changes to the maps. List representative locations (quads) of each type of change encountered. Make sure to list and describe particularly large, unusual or notable changes and give estimates of the acreage involved.*

➤ P, S, U → D

There are 6 changes from P, S and U to urban land. The Redding quad only has one small change, some new houses. The other five changes are on the Cottonwood quad. These changes are also minor in size and consisting of new homes and commercial/industrial buildings.

➤ L, G, X → D

This update has 66 changes from L,G and X to urban (the most abundant type of change). The land surrounding the urban areas is typically labeled X (other land) and therefore the conversion from X to D was very common. Most of the activity is on the Redding, Cottonwood, Enterprise, and Shasta Dam quads. Several significant changes on the Redding quad include new homes (23, 40, 65 & 120 acres) and commercial structures (12, 30 & 42 acres). The Enterprise quad has a variety of small changes, but two changes (34 & 39 acres) were new homes. Similarly, the Cottonwood quad was busy with new urban and large changes involve 30 acres of homes, the 53 acre Willow Glen Estates, 53 acres of commercial buildings, and a 78 acre increase at the Anderson Landfill.

➤ P, S, U → L, G

There are 12 changes from P,S and U to Local farmland and Grazing land. The following changes involved fields going fallow to Grazing land. One change is on the Enterprise quad, and two changes each on the Palo Cedro quad, Clough Gulch quad, Olinda quad, Cottonwood quad (one is 108 acres), and Balls Ferry quad (48 & 33 acres). The Manton quad has one last change of Unique farmland to Local farmland. The land was irrigated pasture on poor soils and should not have been U.

➤ P, S, U → X

There are 10 changes to Other land because of farmland going fallow. The farmland is changed to X because the area is less than 40 acres and doesn't qualify for Grazing or Local Farmland. Four of the changes are on the Enterprise quad, and three are on the Olinda and Cottonwood quads each. One of the three changes on the Cottonwood quad is 77 acres.

➤ L, G, X → P, S, U

There are 28 changes to P, S, and U widely spread throughout the county. Most of these changes are new or expanding irrigated pastures on P or S soils. The sizes of these changes are typically small, but a few have significant acreage. On the Inwood quad, a new 34 acre irrigated pasture was identified. Similarly, irrigated pastures were found near Ono (77 acres) and on the Balls Ferry quad (27 acres).

➤ L → G, X

When irrigated pasture is on poor soils, it qualifies for Local Farmland. When Local Farmland (irrigated pasture and dry grain) goes fallow, it is changed to G or X. Four total changes with one each on the Montgomery Creek, Project City, Clough Gulch, and Shingletown quads.

➤ D → L, G, X

There are 5 changes from Urban land to L, G, or X. All of the changes are boundary adjustments associated with the improvements of the first digital update.

➤ G, X → L

The 12 changes from Grazing and Other Land to Local Farmland are primarily new irrigated pastures, boundary adjustments, and dry grain fields. The acreages are generally small with the exception of dry grains identified on the airport property. I contacted Rod

Dinger, the airport manager, via e-mail. Mr. Dinger indicated that airport property is being leased to a farmer. Some of the dry grain fields were already identified on the map, but two new areas were found. One field is south of the runways (32 acres) and the second field is actually between runways (100 Acres).

➤ **UNUSUAL:** *Category changes, complications with the Farmland of Local Importance definition, or any other special circumstances in 2000.*

I field checked what I thought was agriculture on urban land and discovered the NorCal trees nursery. The nursery was probably photo interpreted as part of the adjacent golf course (urban land). The trees were planted in the ground and the change went to Unique Farmland due to soil type.

The Pit River Reservoir in the northeast portion of the survey area was realigned with the USGS quad. Similarly, the Sacramento River course was improved where needed to improve the accuracy of the map. Acreage changes are relatively small for these unusual changes.

**PROBLEM AREAS:** *What locations and map categories need careful checking in 2002? Why?*

Potential future activity will probably occur on the areas surrounding the Sacramento River, particularly the Enterprise, Cottonwood, Palo Cedro, and Balls Ferry quads.

**OUT OF DATE BASE MAPS:** *Please list any base maps used for update or publication of this county which are woefully out of date due to extensive new development, road construction, etc.*

**LABOR ESTIMATE:** *Please estimate the amount of time spent on the following tasks.*

*photo interpretation, start date:* Feb 18, 2002

*photo interpretation, number of days:* 10

*ground truthing dates:* March 4-6, 2002

*# days for map compilation and clean up:* 3

\* **Note:** P = Prime Farmland; S = Farmland of Statewide Importance; U = Unique Farmland; L = Farmland of Local Importance; G = Grazing Land; D = Urban and Built-up Land; X = Other Land; W = Water Areas; I = Irrigated Farmland; N = Nonirrigated Farmland

*Further information on the Farmland Mapping and Monitoring Program can be found at:*

[www.consrv.ca.gov/dlrp/fmmp](http://www.consrv.ca.gov/dlrp/fmmp)