

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

2000 FIELD REPORT

COUNTY:Glenn

FIELD MAPPER(S): Patrick Hennessy

PHOTOGRAPHY:

source: NASA-Ames
date: September 14, 1999
scale: 1 :130,000
film type: CIR Transparency
coverage gaps: Far western portion 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:*

➤ *websites:* www.thunderhill.com

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 11 changes from irrigated agriculture to urban land. Most of the changes were minor additions to existing urban polygons or boundary adjustments to the urban areas. The Orland quad had five changes, one is 10 acres of new homes and the rest are boundary adjustments. Hamilton City has 8.5 acres of new houses and Willows also has two new home additions (29 & 11 acres).

➤ L, LP, G, X → D

Only two conversions from L,G or X to Urban. One is the expansion of a contracting company on the Hamilton City quad. The other urban addition is the Thunderhill Racetrack (130 acres) on Highway 162 in the foothills of the Stone Valley quad.

➤ P, S, U → L, LP, G

This conversion is huge! There are 98 instances of irrigated agriculture being downgraded to local farmland or grazing land. Collectively, most of the individual changes are spread throughout the county as small plots of land going fallow for three mapping cycles. There are a couple of changes involving significant acreage amounts. A 73 acre area near Wyo, just north of Orland, was changed to LP. There are two large changes on the Stone Valley quad, 165 acres changed to L and LP on the northeast portion and 363 acres were also downgraded by the confluence of Hollow Creek and Willow Creek. Next to the Willows airport, a 97 acre field also went fallow. Lastly, 176 acres went fallow on the Logan Ridge quad near Logan Creek and Baker Slough.

➤ P, S, U → X

There are 19 changes from irrigated agriculture to the Other Land category. Most of them involve agricultural lands converted to riparian habitats, primarily adjacent to the changing course of the Sacramento River. Additional changes include the identification of low density buildings and boundary adjustments.

➤ L, LP, G, X → P, S, U

There are 41 changes to irrigated agriculture widely dispersed. Major changes include a 175 acre field on the Stone Valley Quad (near Highway 162 and the Thunderhill Racetrack). Another field (155 acres) was added just east of the Interstate-5 rest stop north of Willows (on the Willows quad of course). The greatest single conversion to irrigated agriculture occurred on the Fruto NE quad. There were several center pivot fields that remained fallow for two mapping cycles, but this time they were replaced with new almond orchards on or near the Big W Ranch (the crop cannot be positively identified because of a gate and posted private property signs, but the surrounding land was almonds). The Big W ranch is located at the base of the foothills and Wilson Creek. Several different additions contributed to the 1,261 new acres (353+97+112+154+239+49+257).

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

-Since this is the first digital update for Glenn, there were necessary boundary adjustments to improve the accuracy of the map, Glenn has 17. Many other boundary adjustments were included in the category changes because there was an actual category change, but if there was an adjustment to the alignment of a polygon, it was identified as the aforementioned boundary adjustments.

-The Sacramento River course was remapped due to meandering over the years. Several agricultural lands were converted to riparian land and there is even one change from water to Prime farmland on the Ord Ferry quad.

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

Irrigated pasture is occasionally difficult to identify, particularly around the urban areas (Orland and Willows).

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: Jan. 14

photo interpretation, number of days: 11

ground truthing dates: Feb.4-5

days for map compilation and clean up: 4

*** 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