

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

2002 FIELD REPORT

COUNTY: San Bernardino

FIELD MAPPER(S): Jan Carey

IMAGERY:

source: AirPhoto USA

date: February 2002

resolution: 2 foot

film type: true color

coverage gap : AirPhoto USA imagery covered only a portion of out mapped area, primarily urban and the surrounding areas.

additional imagery: USGS Landsat 7 ETM+ (June 2002, full coverage)

WRITTEN, DIGITAL & ORAL INFORMATION SOURCES:

Please list which local governments, interest groups, or individuals submitted comments on the 2000 maps. Also list all phone and in-person contacts made or related GIS data referenced while conducting the 2002 update.

➤ *local review comments*

cities: Hesperia, Ontario, Rancho Cucamonga, San Bernardino, and Yucaipa.

county: County Land Use Services Dept., Planning Division.

others: none

➤ *personal contacts:* none

➤ *websites:* <http://www.co.san-bernardino.ca.us>

➤ *GIS data referenced:*

NRCS digital soil survey (Mojave River Area),

California Solid Waste Information Systems (landfills).

2000-2002 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.*

Note: This is the first digital update for San Bernardino County. Using improved digital resources, more accurate boundaries were drawn throughout the county. Therefore, adjustments were made in all categories throughout the county. The changes listed below are only representative of the total number of actual changes. Acreage figures are approximate for reporting purposes.

➤ **Irrigated Farmland to Urban Land:** 54 total changes.

The changes in this category are primarily found in the southwest portion of the mapped area. For example:

Chino / Ontario Area

The most notable changes are the Chino Spectrum Marketplace Shopping Center (90 acres), 120 acres of industrial building (this term refers to industrial/business parks, large warehouses, and distribution centers), an addition of 140 acres to the Chino Airport, and 90 acres of homes Chino hills (Prado Dam quad, 33117-h6 and the Ontario quad, 34117-a6). There are over 50 acres of new industrial building in Ontario (Ontario quad).

San Bernardino City / Redlands Area

There is an addition of 110 acres of housing in Southeast San Bernardino City and 275 acres of housing in Redlands (Redlands quad, 34117-a2).

Rancho Cucamonga / Fontana Area

Rancho Cucamonga added 120 acres of industrial building, Fontana added a total of 125 acres of industrial building, and there was over 310 acres of housing in both cities (Guasti quad, 34117-a5, Cucamonga Peak quad, 34117-b5, and Fontana quad, 34117-a4).

Yucaipa Area

This area added 95 acres of housing that includes an 80 acre addition to Chapman Heights Golf Course and Homes (Yucaipa quad, 34117-a1).

➤ **Local, Grazing or Other Land to Urban Land:** 160 total changes

This category is the most significant for Urban Land acreage changes. New building includes housing, warehouses and distribution centers (some buildings measuring 20 acres or more each!), industrial/business parks, as well as new commercial areas. Access to more detailed imagery as well as the better coverage countywide has allowed for the addition of densely developed areas that were formerly included in the rural development or ranchette category. These additions and changes occur throughout the mapped area.

Southern Mapped Area

Rancho Cucamonga / Ontario Areas

Approximately 535 acres of new housing in Rancho Cucamonga area including the developments of Carriage Estates, Standard Pacific, Masterpiece, Montera, and other housing additions throughout the area. This area also has industrial building, the addition of a percolation basin, and a large new freeway interchange. The Ontario area has 210 acres of additions to the Ontario Airport, a 500 acre addition of industrial building including a large closed landfill southeast of the airport, an additional 200 acres of industrial and commercial building in other parts of the area, along with 80 acres of new housing. (Cucamonga Peak, Guasti, and Ontario quads).

Chino Area

This area added 170 acres of new housing including 80 acres in the Chino Hills, along with over 100 acres of industrial, commercial and freeway additions. (Guasti, Yorba Linda, Prado Dam, and Ontario quads).

Fontana / Rialto Areas

Fontana added 515 acres of housing including the Remington and Autumnwood communities as well as 615 acres of industrial areas with large warehouses and commercial buildings. There is also 50 acres of new housing in Rialto (Fontana, Guasti,

and Devore (34117-b4) quads).

San Bernardino City / Redlands Areas

North San Bernardino City added 50 acres new housing, 40 acres to the State College grounds, and an additional 40 acre percolation basin. Central San Bernardino City added 160 acres of new housing as well as a new school, 60 acres of industrial building, along with additional rail yards, parking, and a flood control spillway. The Redlands area has 110 acres of new housing and a 50 acre landfill. (San Bernardino South, San Bernardino North (34117-b3), and Redlands quads).

Yucaipa Area

465 acres of Other Land was designated Urban due to the addition of a large flood control basin south of Seven Oaks Dam. There was also 45 acres new housing, additions to percolation basins, as well as recreation and golf areas. (Yucaipa and Forest Falls (34116-a8) quads).

Northern Mapped Area

Victorville Area / Hesperia / Apple Valley Area

George AFB, north of Victorville, added 195 acres to the southern part of the base. Victorville has 80 acres new housing with a new school and athletic fields. The Apple Valley area added 225 acres of housing and Carmel Elementary School. The Hesperia area added 135 acres new housing and commercial, with one large warehouse/ distribution building as well as 40 acres for Sultana High and grounds (Victorville (34117-e3), Apple Valley North (34117-e2), Apple Valley South quad (34117-e2), and Hesperia (34117-d3) quads). The area west of Hesperia (covered on three quads) has a total 300 acres of various new housing sites located throughout the area in addition to density designation changes (Cajon (34117-c4), Baldy Mesa (34117-d4), and Phelan (34117-d5) quads).

There were two landfill additions, the 90 acre Barstow Refuse Disposal Site and the 70 acre landfill Apple Valley Collection Center (Barstow SE (34117-g1) and Fourteenth Mile Valley (34117-d1) quads).

➤ **Irrigated Farmland to Local or Grazing Land:** 21 total changes

These changes are due to irrigated agriculture remaining fallow (idle) for three or more update cycles. Most changes occur in the northern part of the county but are found throughout the mapped area. The most notable change is located in the north county east of Barstow where 3 large areas totaling approximately 1000 acres were taken out of the irrigated ag category (Lockhart quad). More irrigated ag was removed throughout the northern portion of the county (Wild Crossing, Victorville quad, Lucerne Valley, Hodge, 34117-g2, Hinkley, 34117-h2, Barstow, Helendale, 34117-f3, Apple Valley North and South quads). The southern county changes were located on the Redlands quad.

➤ **Irrigated Farmland to Other Land:** 22 total changes

The majority of these changes (14) are due to land being left idle for three or more update cycles (Minneola, Nebo, Yermo, Barstow, Cucamonga Peak, San Bernardino South, Devore, Yucaipa, and Redlands quads). Five changes are due to the addition of low-density ranchette or other rural development (Redlands, Newberry Springs (34116-g6), and Forest Falls quads). Two changes are due to the addition of dairies on the Ontario and Corona North quads.

➤ **Local, Grazing or Other Land to Irrigated Farmland:** 12 total changes.

With high-resolution imagery and increased coverage, we were able to add nurseries, row crops, and other agriculture throughout the county. There were 3 additions to irrigated agriculture in the north county (Hinckley and Minneola quads). The Redlands area in the southern portion of the county had the addition of Sunny Slope Trees, approximately 100 acres of nursery, as well as 2 additional areas of row crops (Redlands quad). Other nurseries were added to the Chino area (Ontario, Prado Dam, and Guasti quads).

➤ **Non-Irrigated or Grazing to Other Land:** 92 total changes

These category changes are extensive. A significant amount of the acreage affected is due to previously unmapped low-density rural development (ranchettes) added north of the San Bernardino Mountains as a result of imagery with a higher level of detail and more extensive coverage. To a lesser extent, there are some changes due to the downgrading of the density in some areas. The proportion of changes due to new ranchette development is small. All changes are primarily located throughout the northern part of our mapped area (Phelan, Mescal Creek, Baldy Mesa, Apple Valley North, Lucerne Valley, Hinkley, Helendale, Cajon, Silverwood Lake (34117-c4), Mt. Baldy (34116-d7), Cougar Buttes (34117-e5), Shadow Mountains SE (34117-e5), Hodge, Barstow SE, Victorville NW (34117-f4), El Mirage (34117-e6), Forest Falls, San Bernardino North quads).

Eleven changes are due to the addition of mining areas in former grazing land (Fourteenth Mile, Stoddard Well (34117-f7), Butler Peak (34117-e1), San Bernardino North, Big Bear Lake (34117-c7), Victorville quads).

➤ **UNUSUAL:** *Category changes, complications with the Farmland of Local Importance definition, or any other special circumstances in 2002.*

Revisions to urban area boundaries due to improved digital resources

PROBLEM AREAS: *What locations and map categories need careful checking in 2004?*
Why? none

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

photo interpretation, start date: January 17th, 2003
photo interpretation, number of days: 20 days
ground truthing dates: March 18th to March 21st, 2003
days for map compilation and clean up: 10 days

* **Note:** **Irrigated Farmland** = Prime Farmland, Farmland of Statewide Importance or Unique Farmland; **Local** = Farmland of Local Importance

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

www.consrv.ca.gov/dlrp/fmmp