



California

**Department of
Conservation**

Division of Land Resource Protection

California Important Farmland

Farmland Mapping & Monitoring Program

March 19, 2026



A Brief History of FMMP

- Established 1982, Gov Code §65570(b)
- Soil Conservation Fund, Gov Code §51283(d)
- Location, Quality, and Quantity
- Conversion over time
- Consistent and Impartial
- Nonregulatory
- First Important Farmland Maps were produced in 1984, covered 30.3 million acres (38 counties)



Photo: R. Yoha

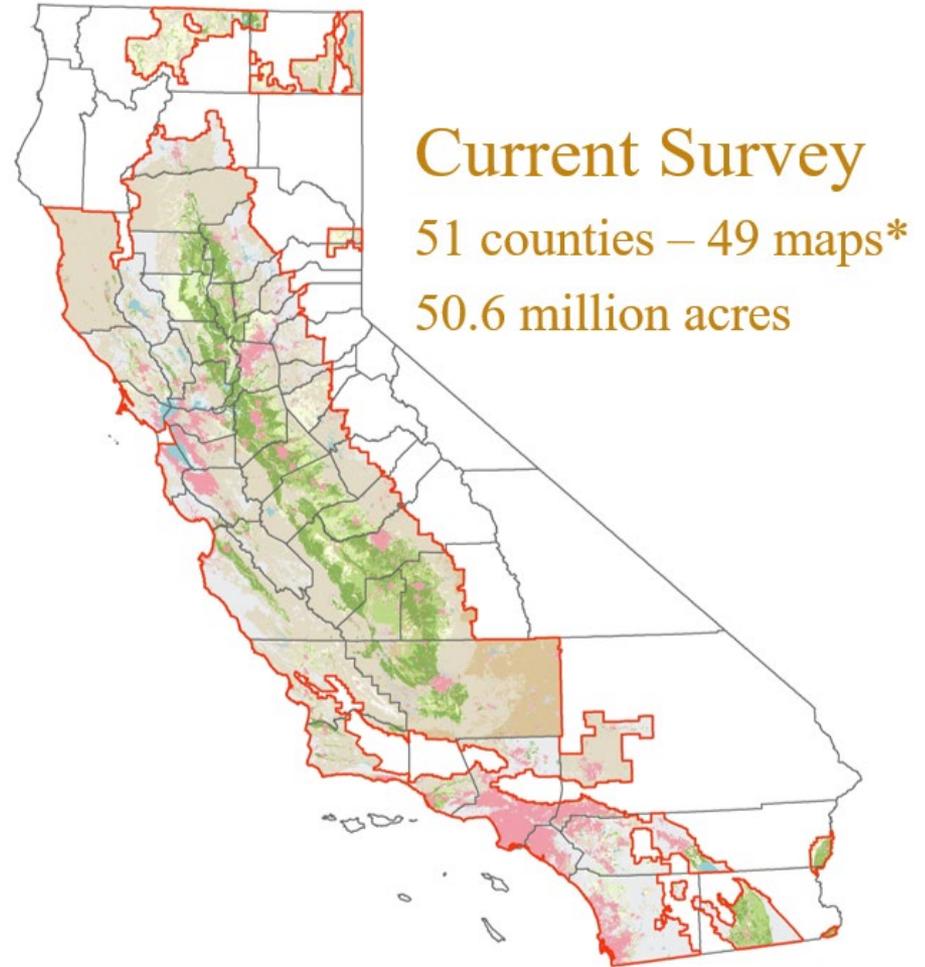
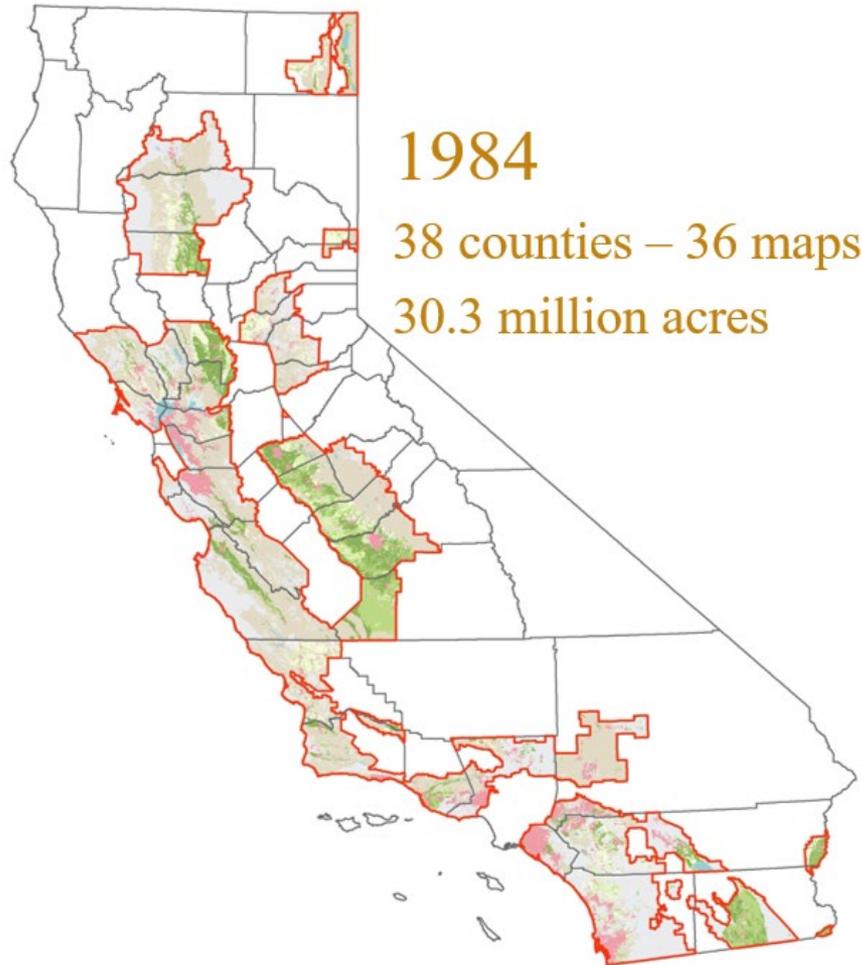


Mandated Deliverables

- Important Farmland Maps
- Land Use Conversion Statistics
- GIS Data
- Biennial Farmland Conversion Report
- Land Committed to Nonagricultural Uses
- Expert Responsibility in Determining Right to Farm Disclosure



Survey Area



California Important Farmland Map

What is it?

How is it made?



Photo: M. Kisko

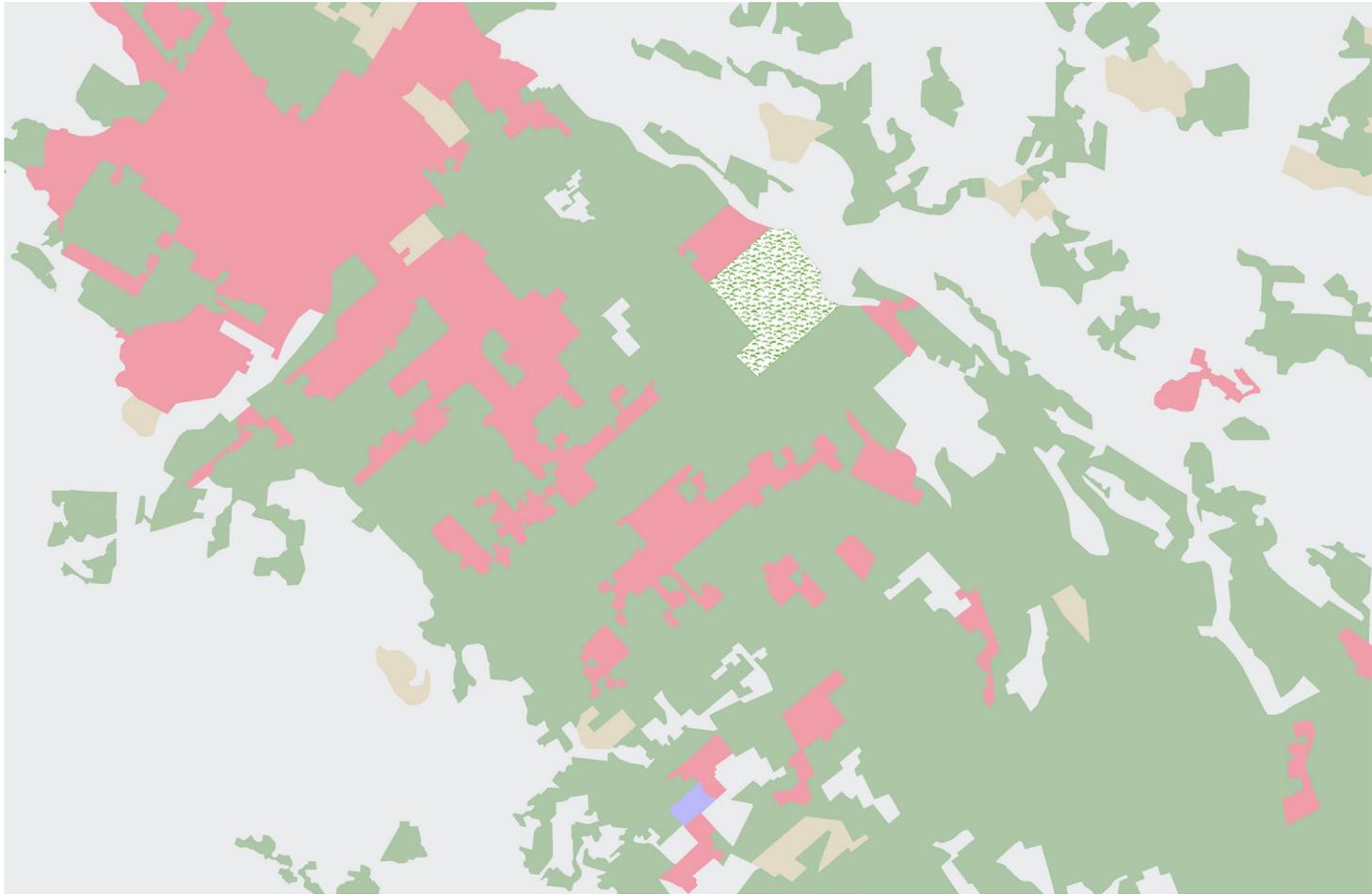


Photo Interpretation



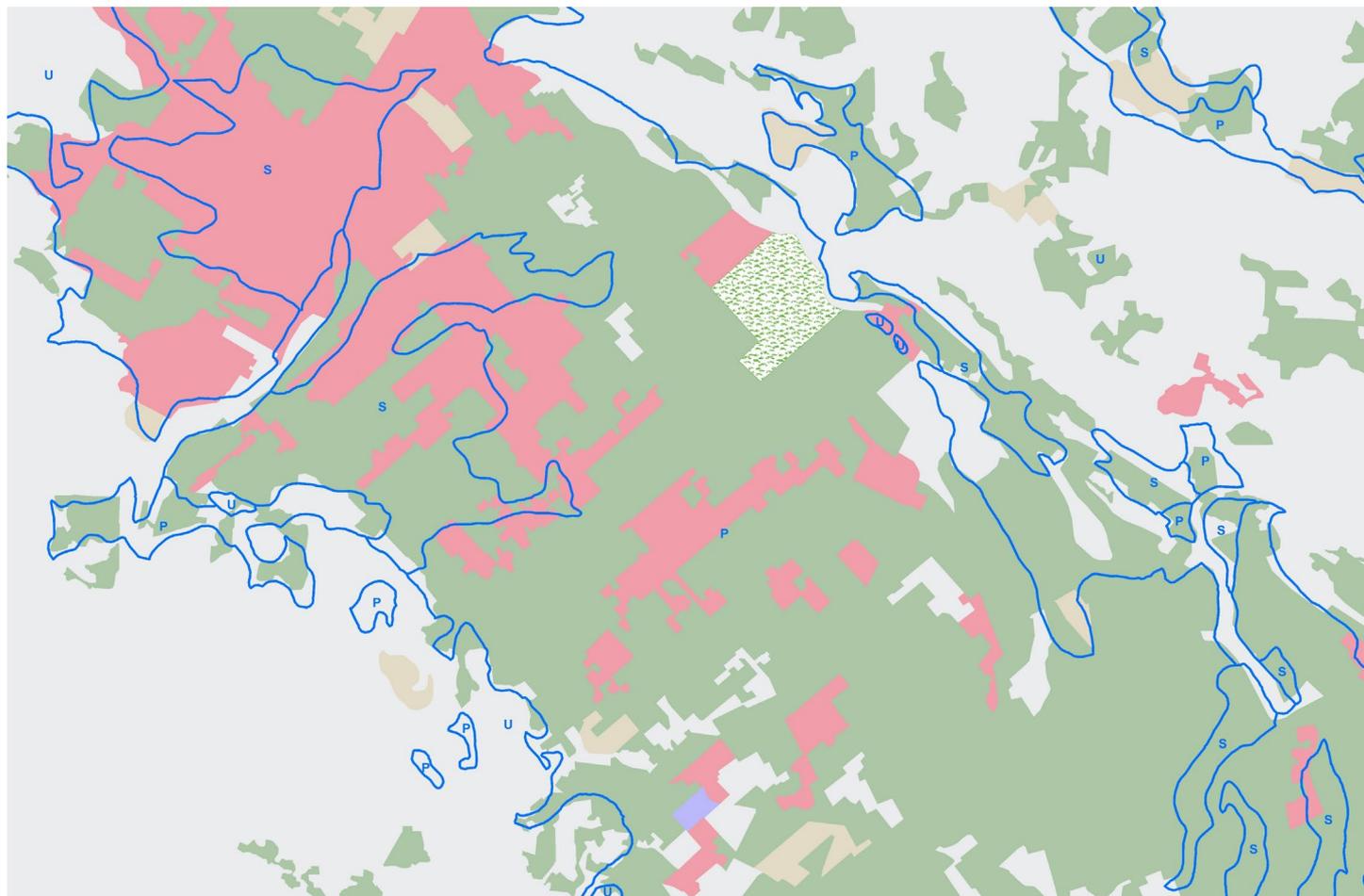


Land Use Data



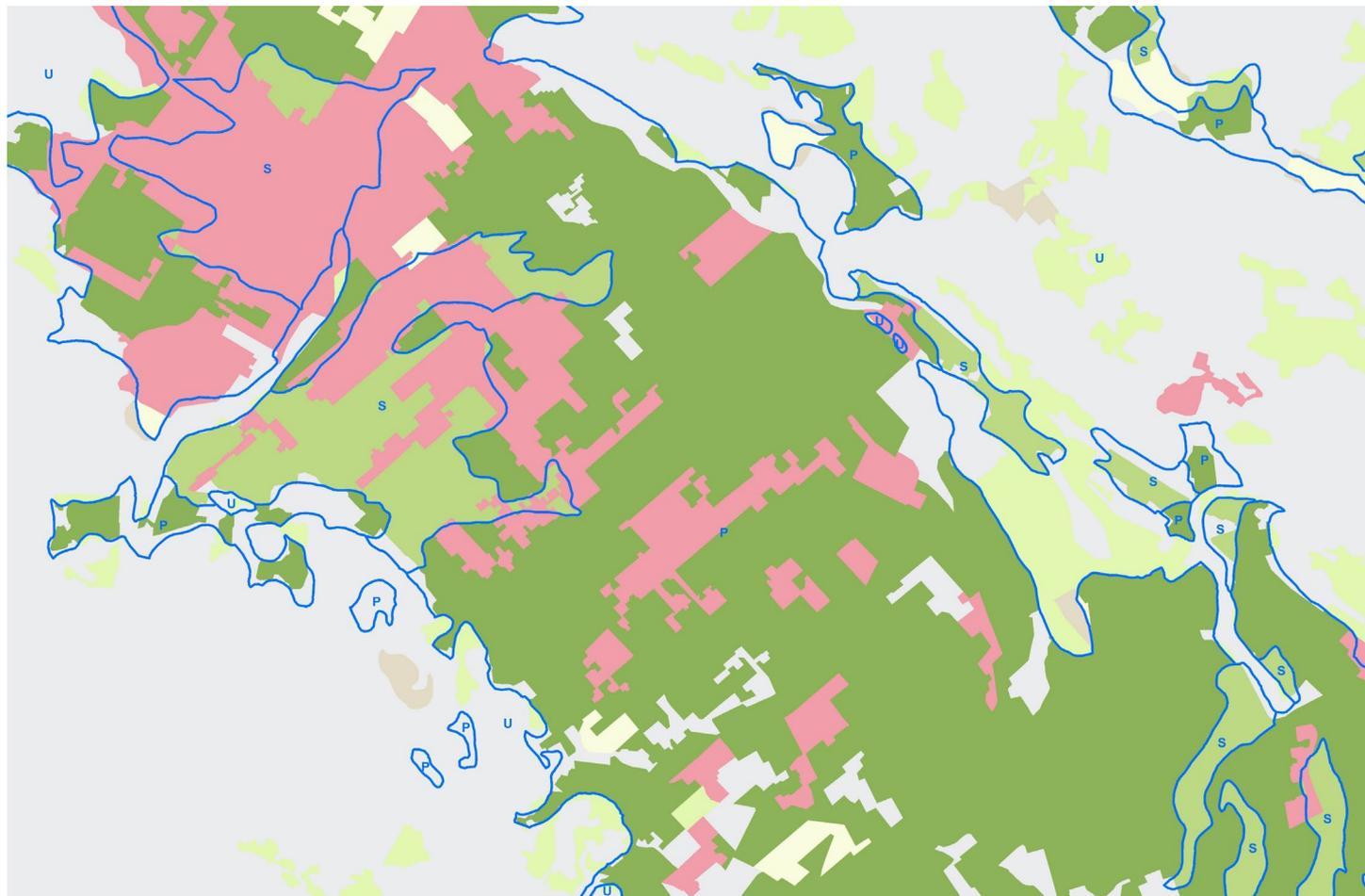


Land Use combined with the Soil Survey





Agricultural Categories affected by Soils





Important Farmland Data

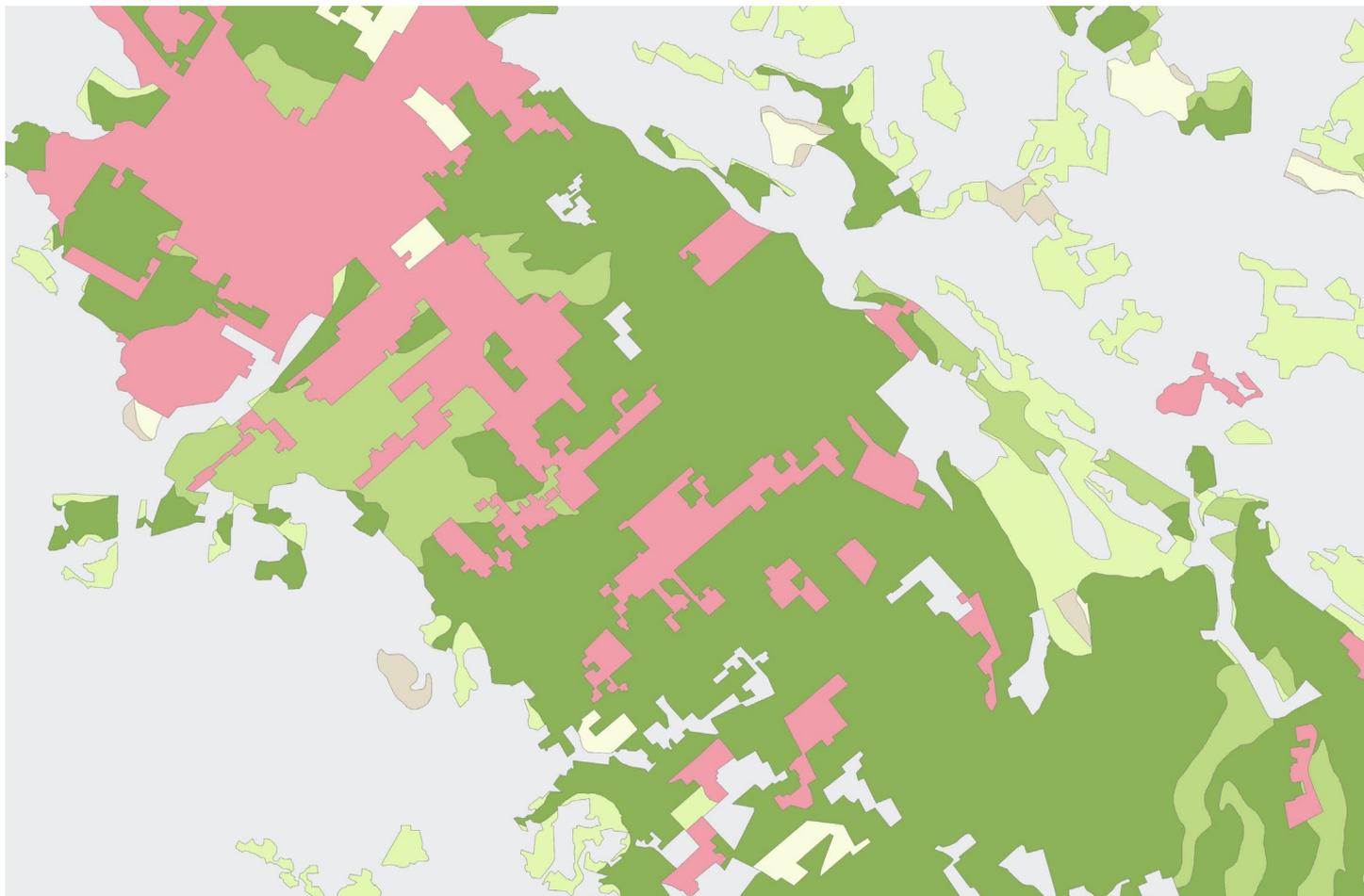


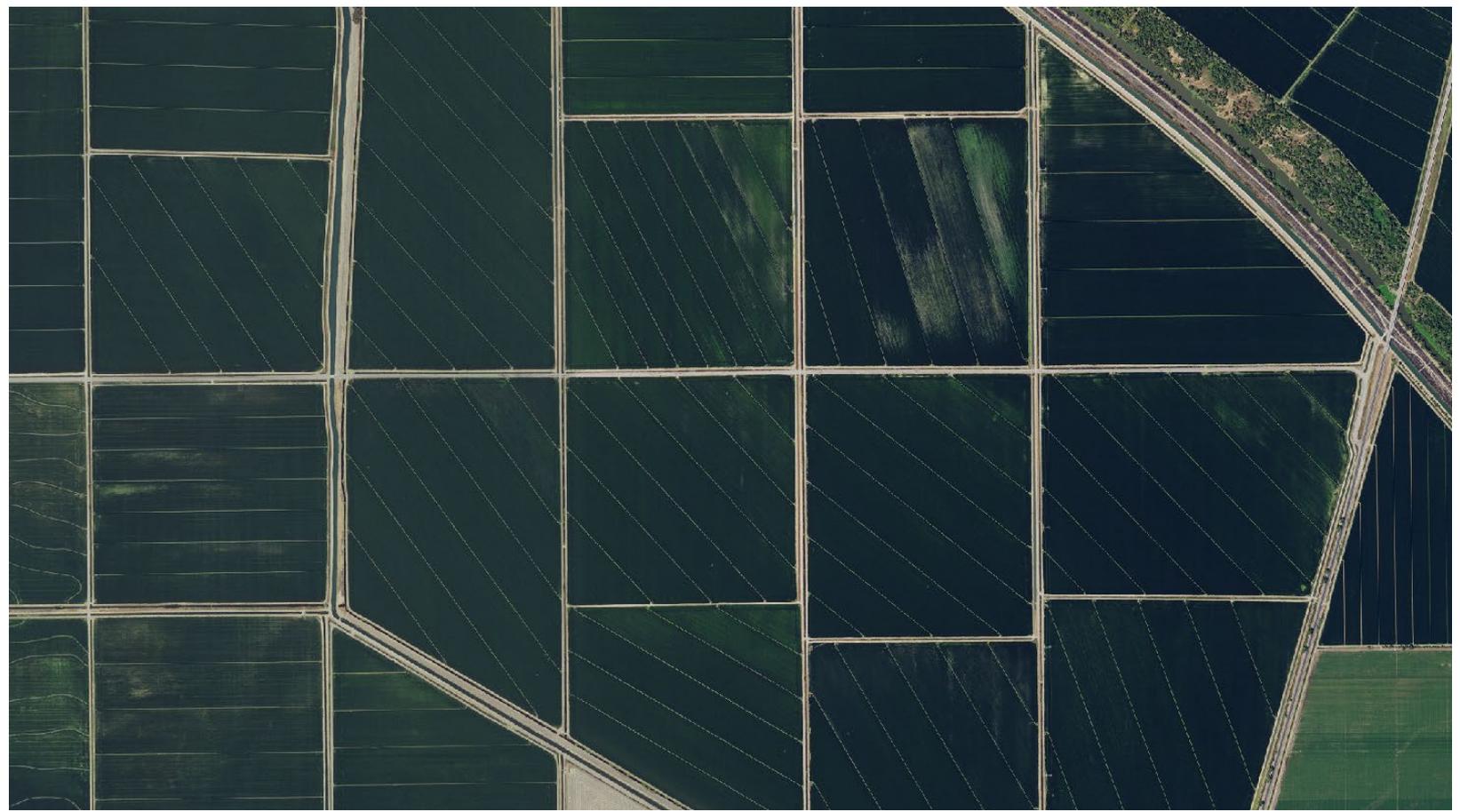


Photo Interpretation





Rice



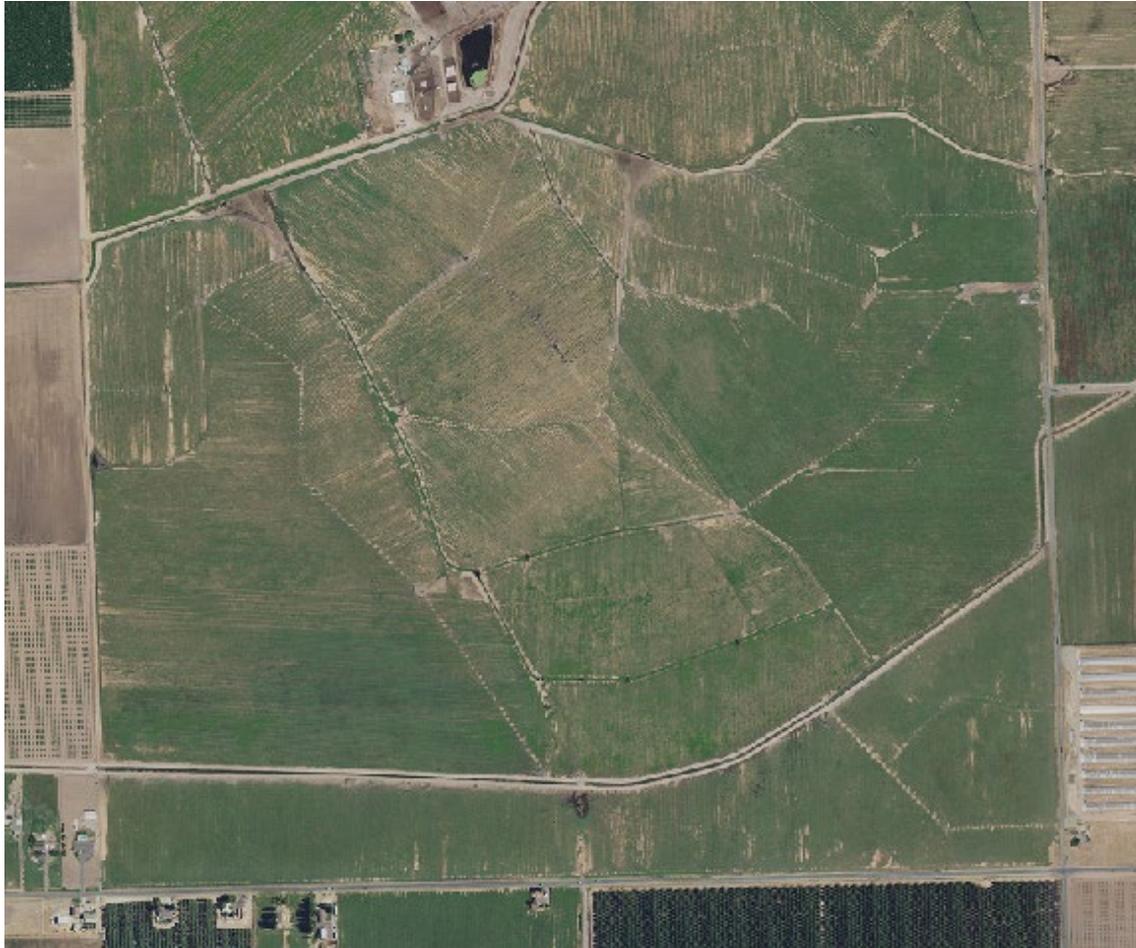


Citrus Orchard





Irrigated Pasture



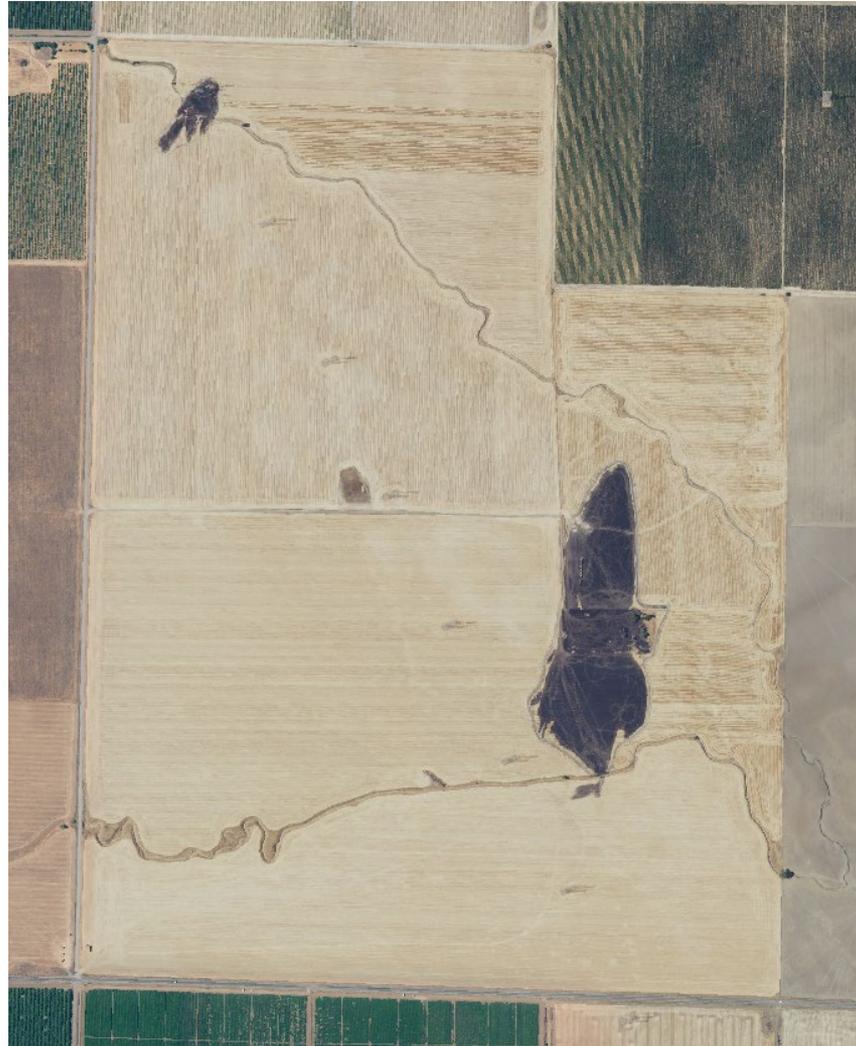


Almonds



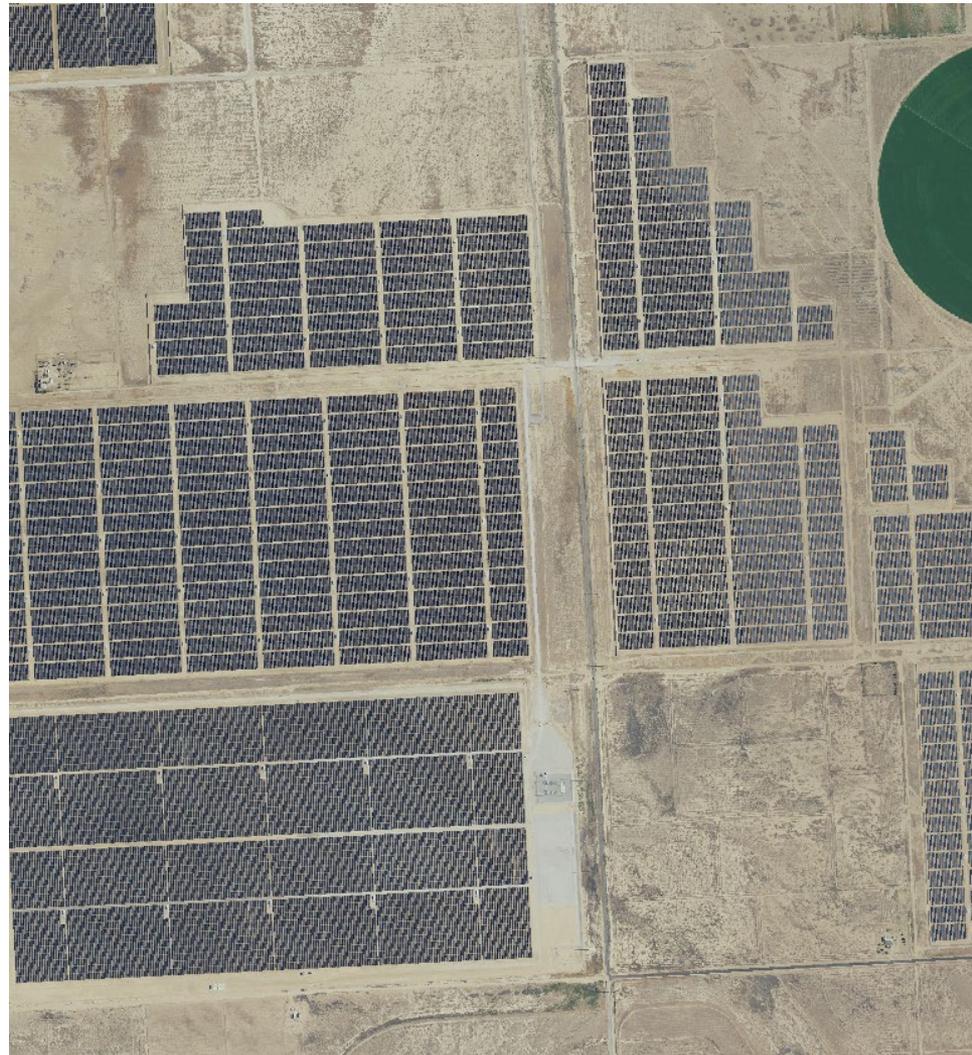


Non-irrigated Grains



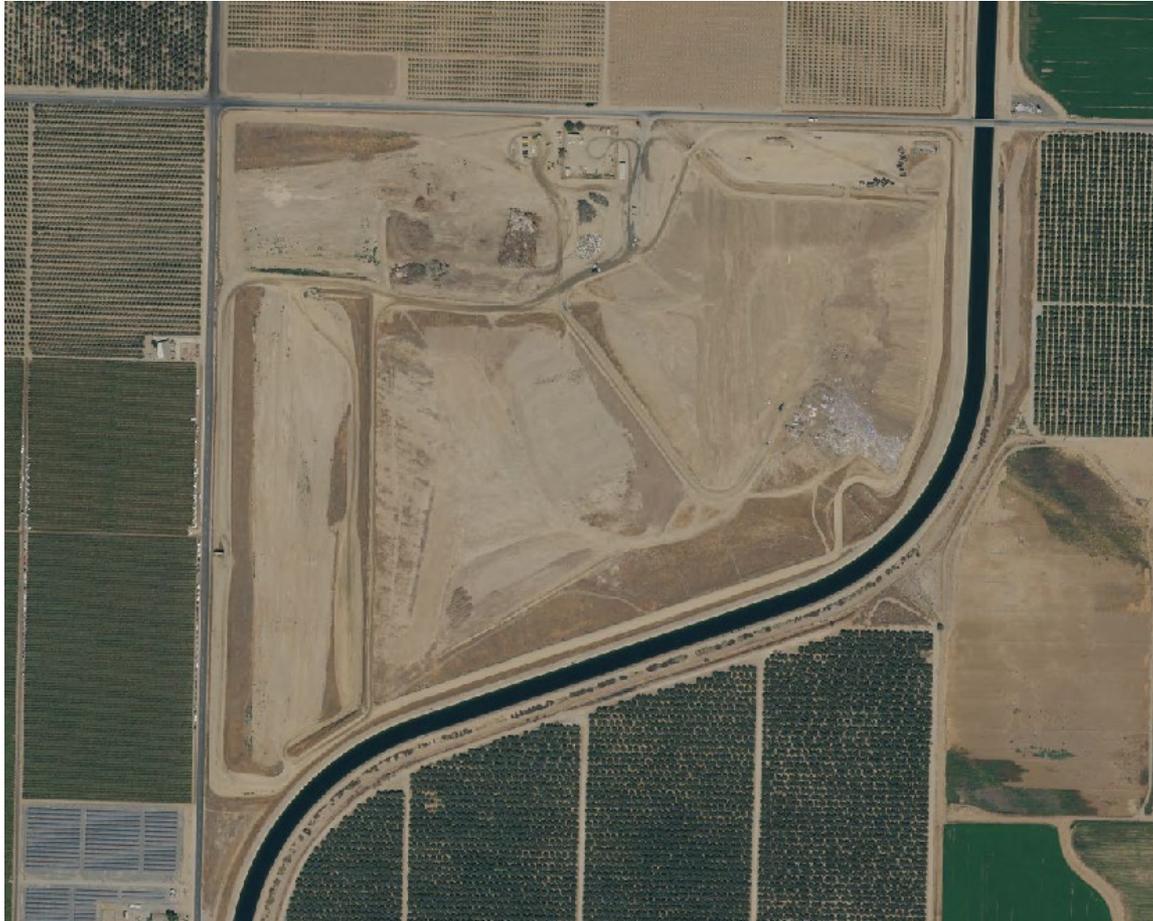


Solar Photovoltaic Panels



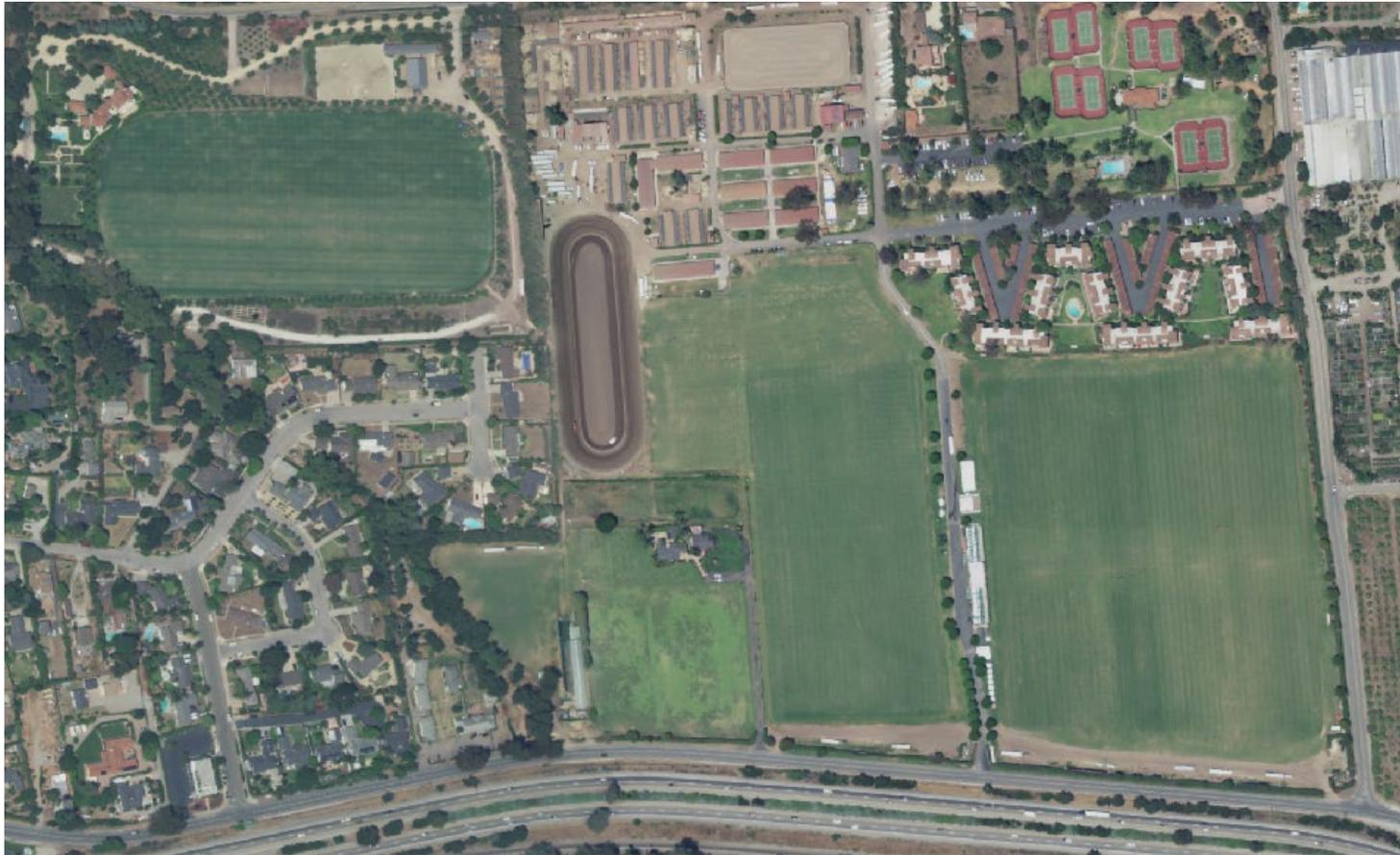


Landfill





Polo Fields



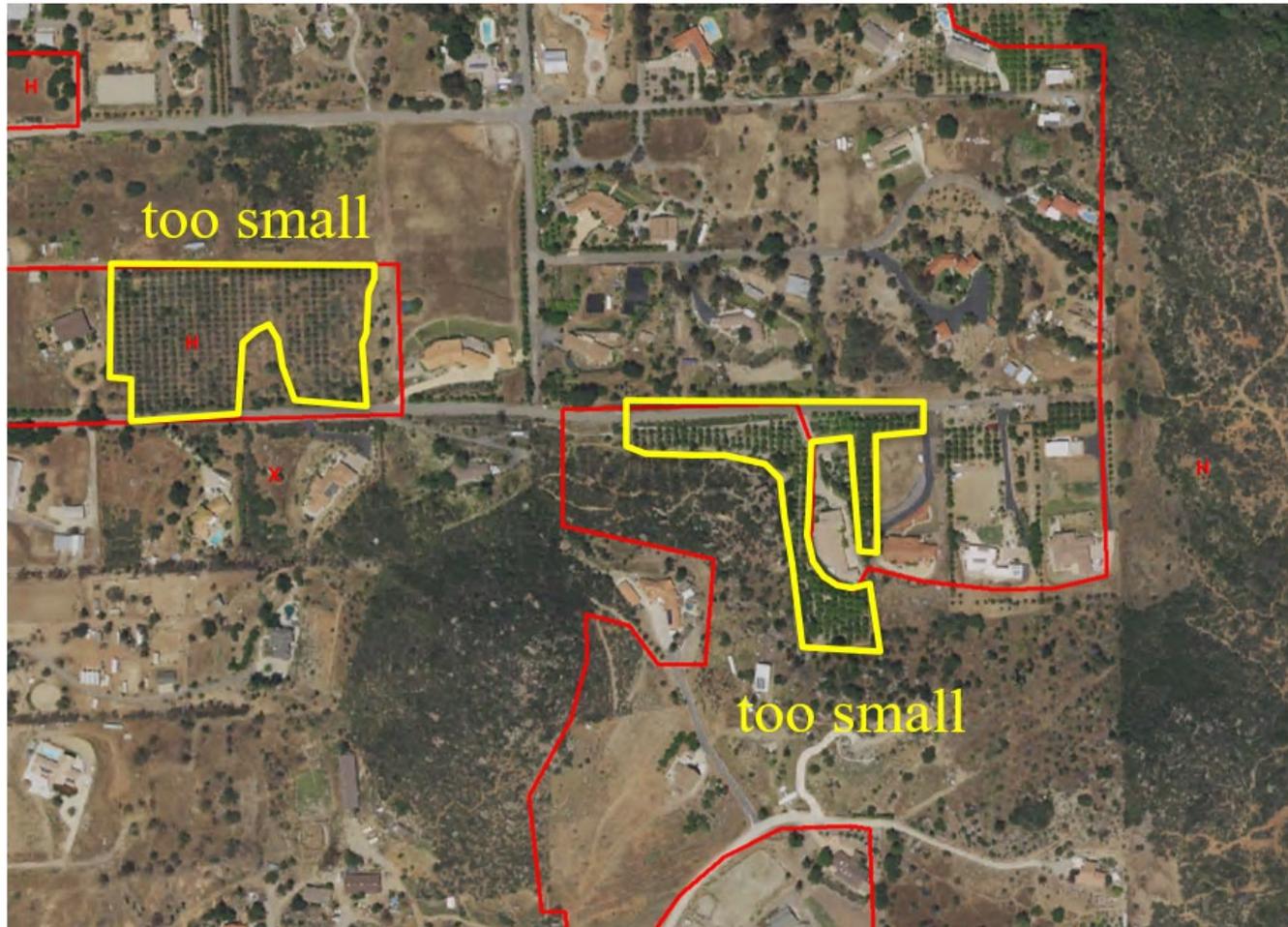


Land Use Data



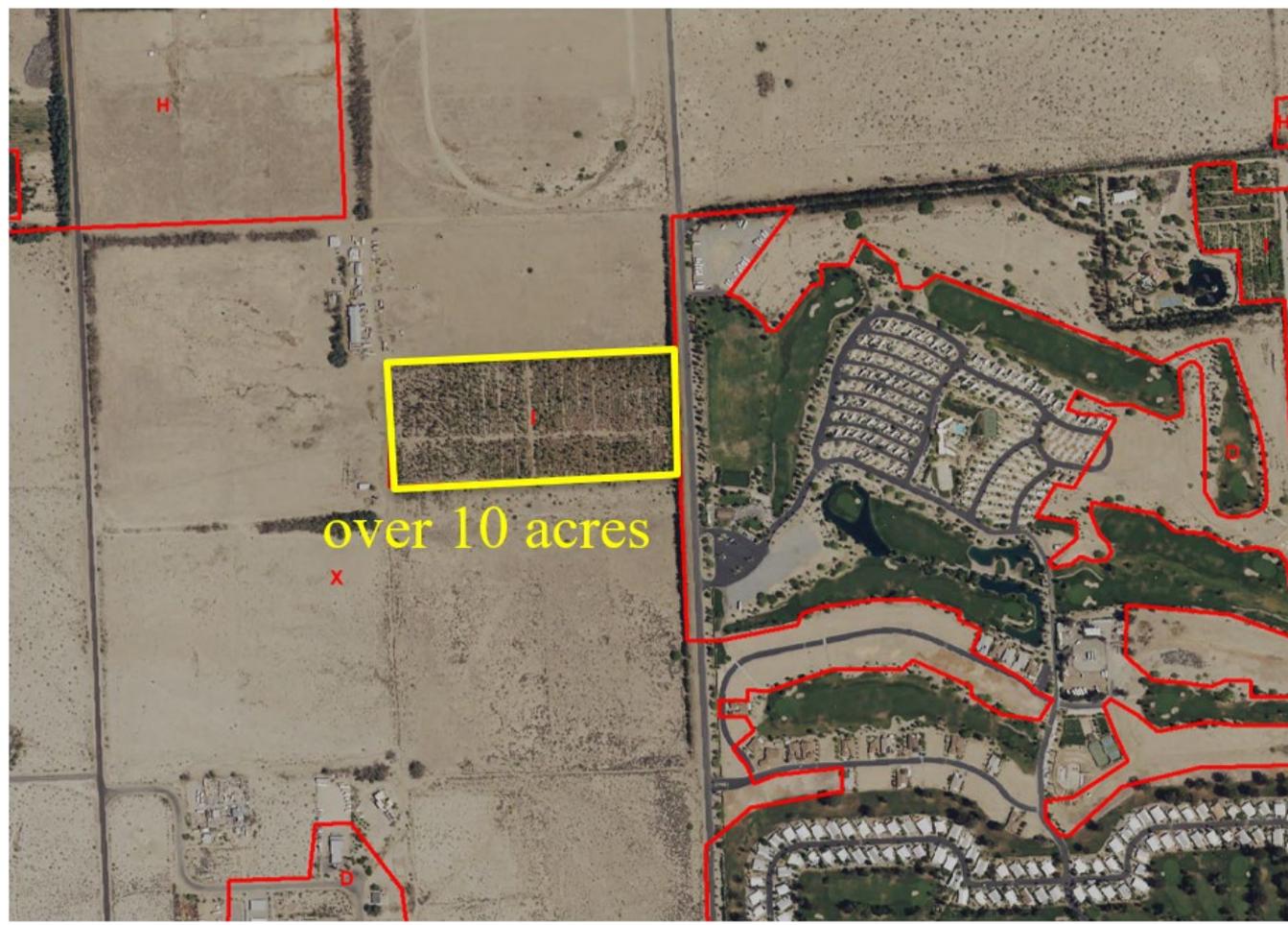


Minimum Map Unit 10 Acres





Minimum Map Unit 10 Acres



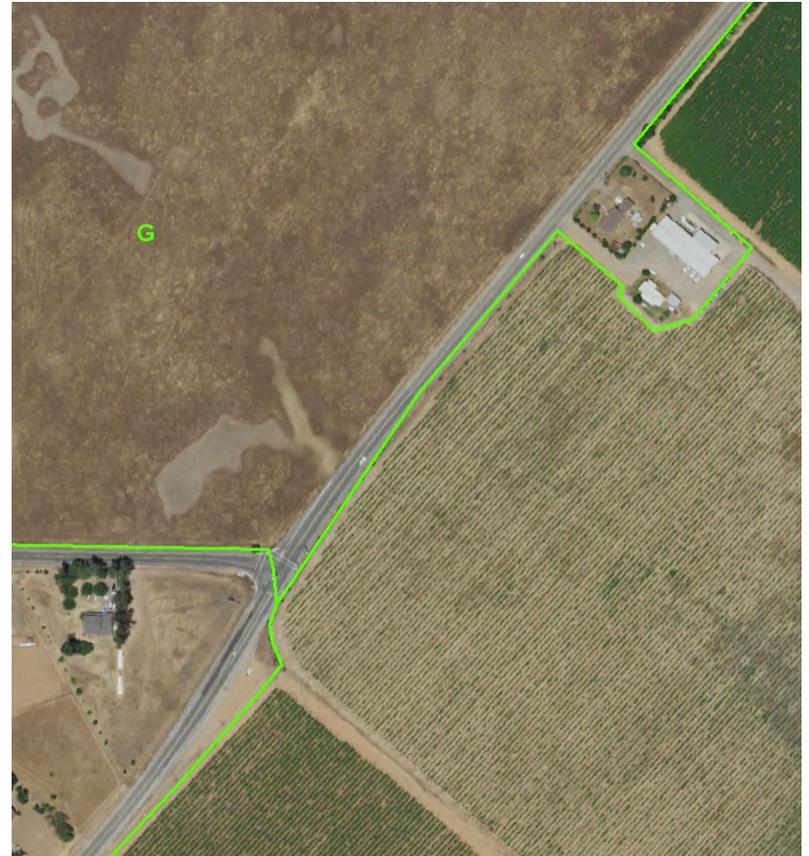
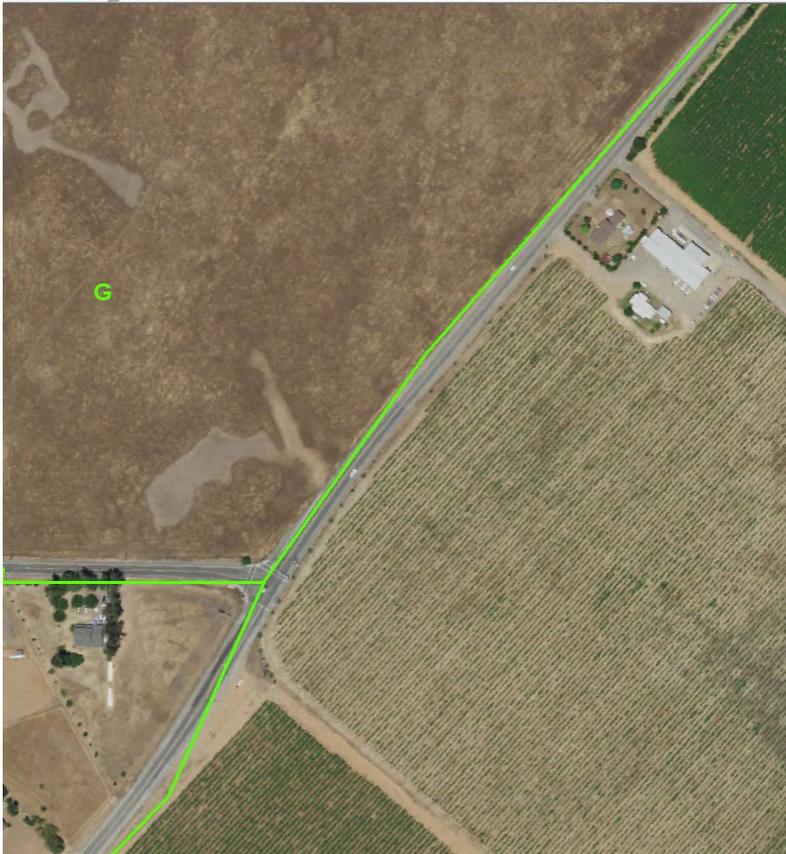


Looking for land use changes





Boundary Adjustments





Internal Notes & Tracking





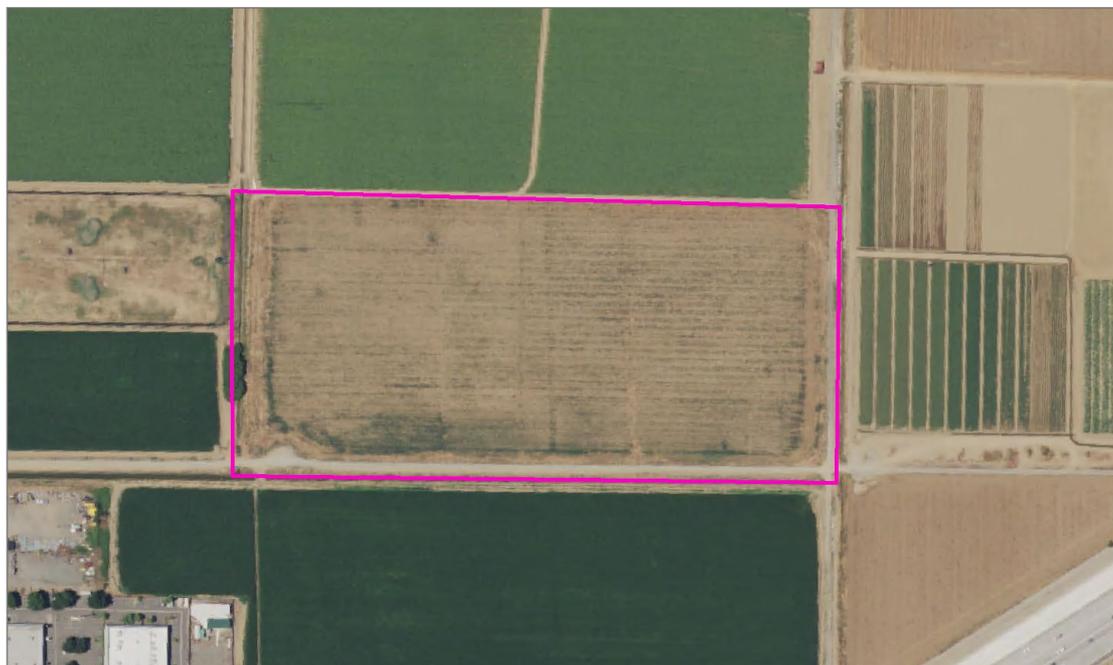
Irrigation Status



Irrigated agriculture



Irrigation Status



Irrigated agriculture
Fallow or non-irrigated grains noted (0 years)



Irrigation Status



Irrigated agriculture
Fallow or non-irrigated grains noted (2 years)



Irrigation Status



Land use changed from irrigated agriculture
Fallow or non-irrigated grains noted (4 years)



Irrigation Status

Land must have been used for irrigated agricultural production at some time during the four years prior to the mapping date.

2018 = fallow but mapped as irrigated farmland - 0 years

2020 = fallow but mapped as irrigated farmland - 2 years

2022 = fallow and removed from irrigated farmland - 4 years





Field Work on iPads



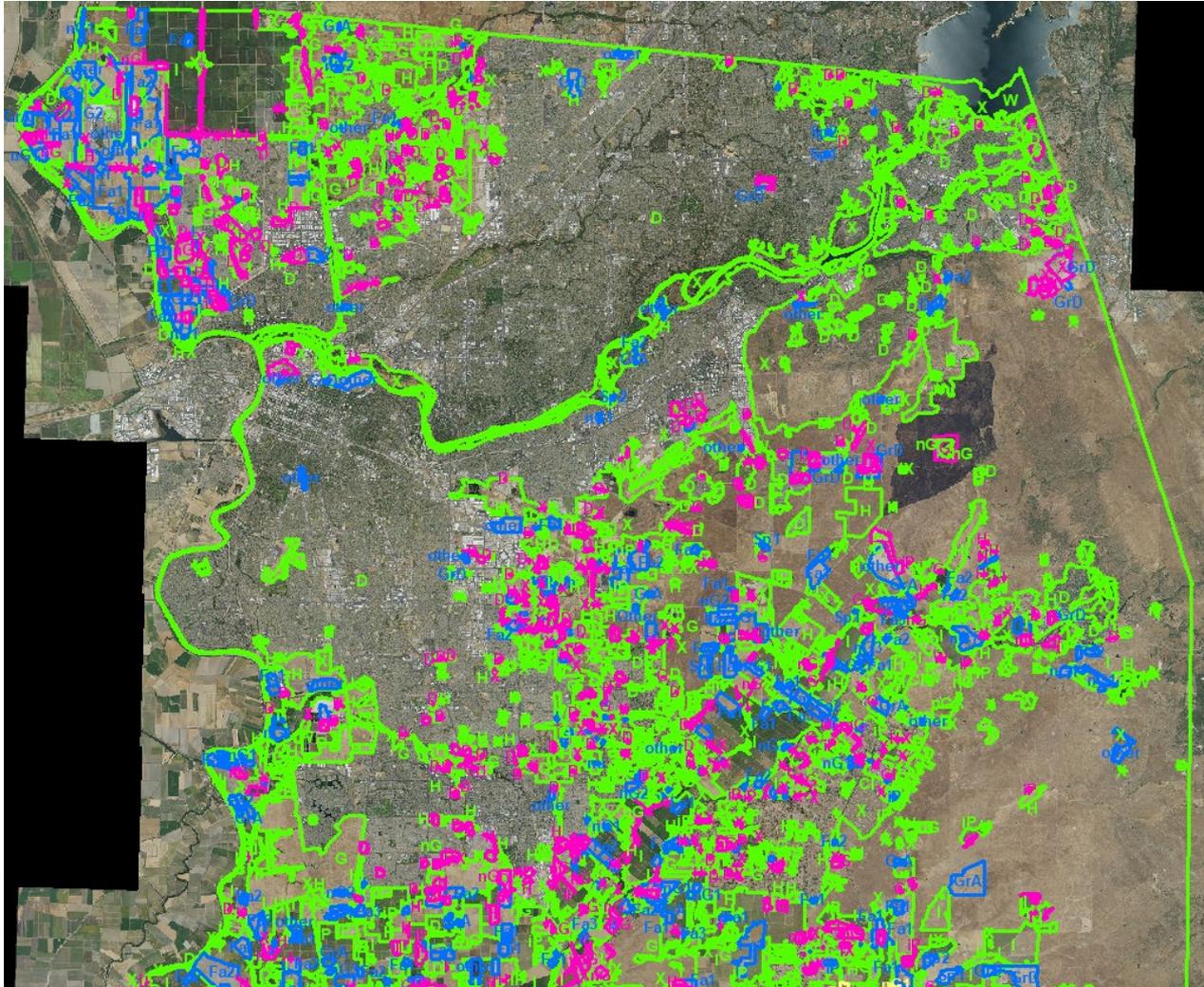


Google Streetview





Managing the Project





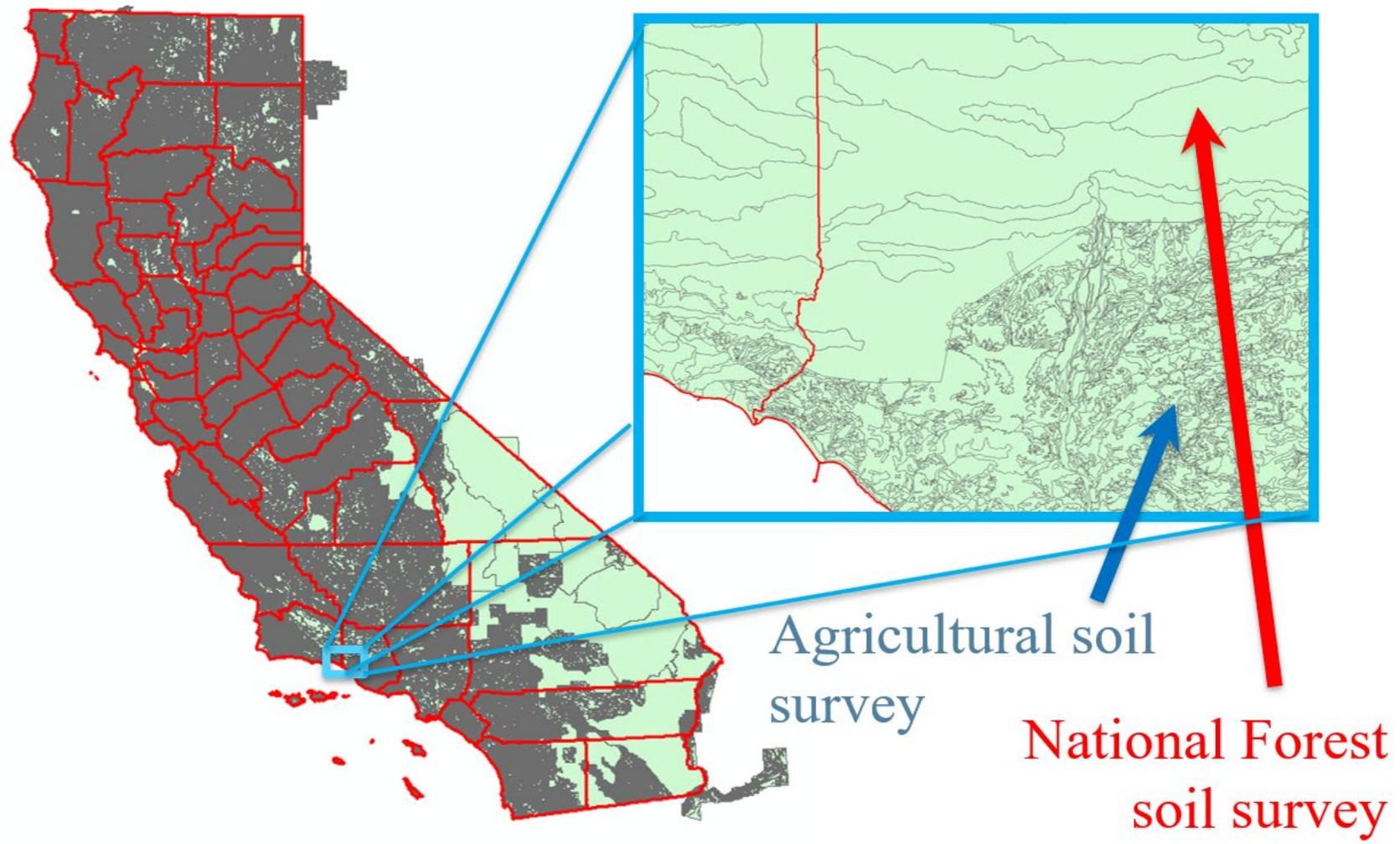
Soil Quality



Photo: M. Kisko

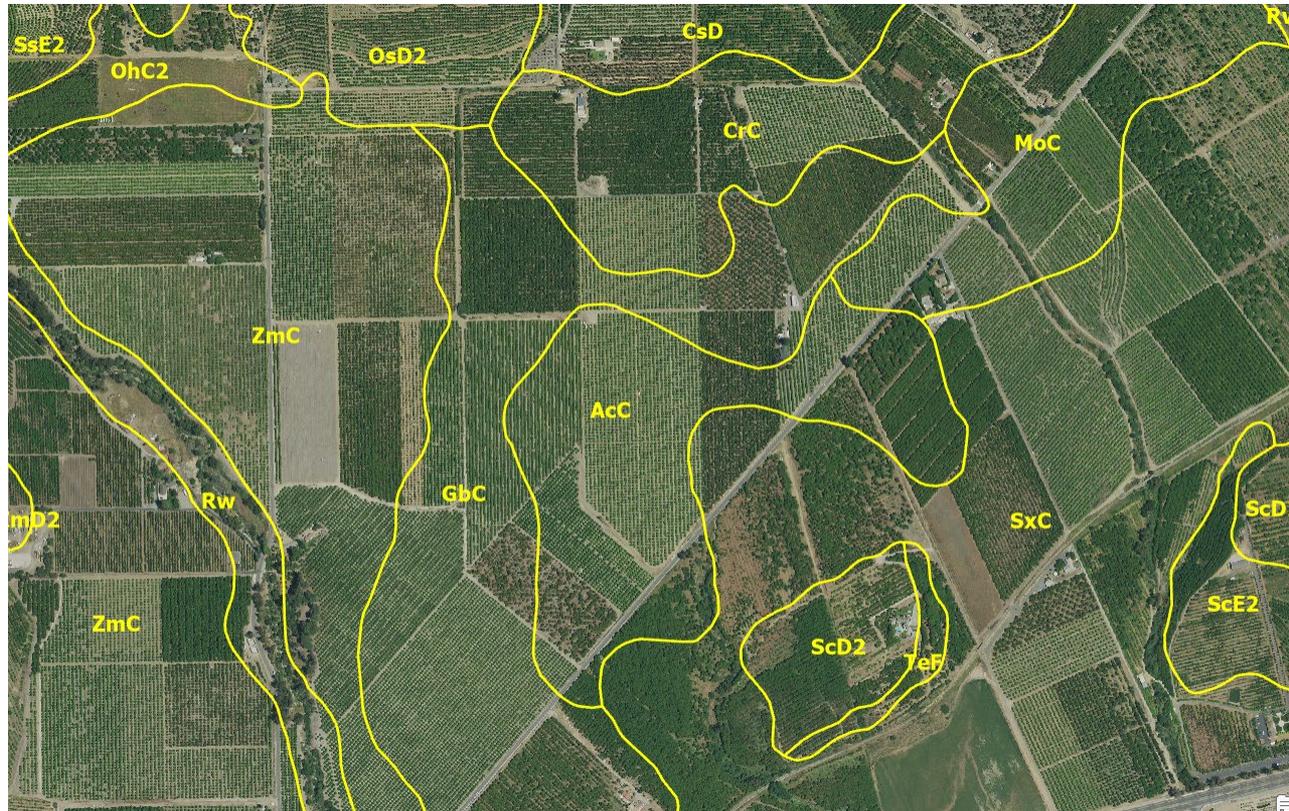


USDA-NRCS Soil Survey





NRCS soil units





USDA-NRCS determines which soils are Prime and Statewide Importance

SACRAMENTO COUNTY
PRIME FARMLAND SOILS

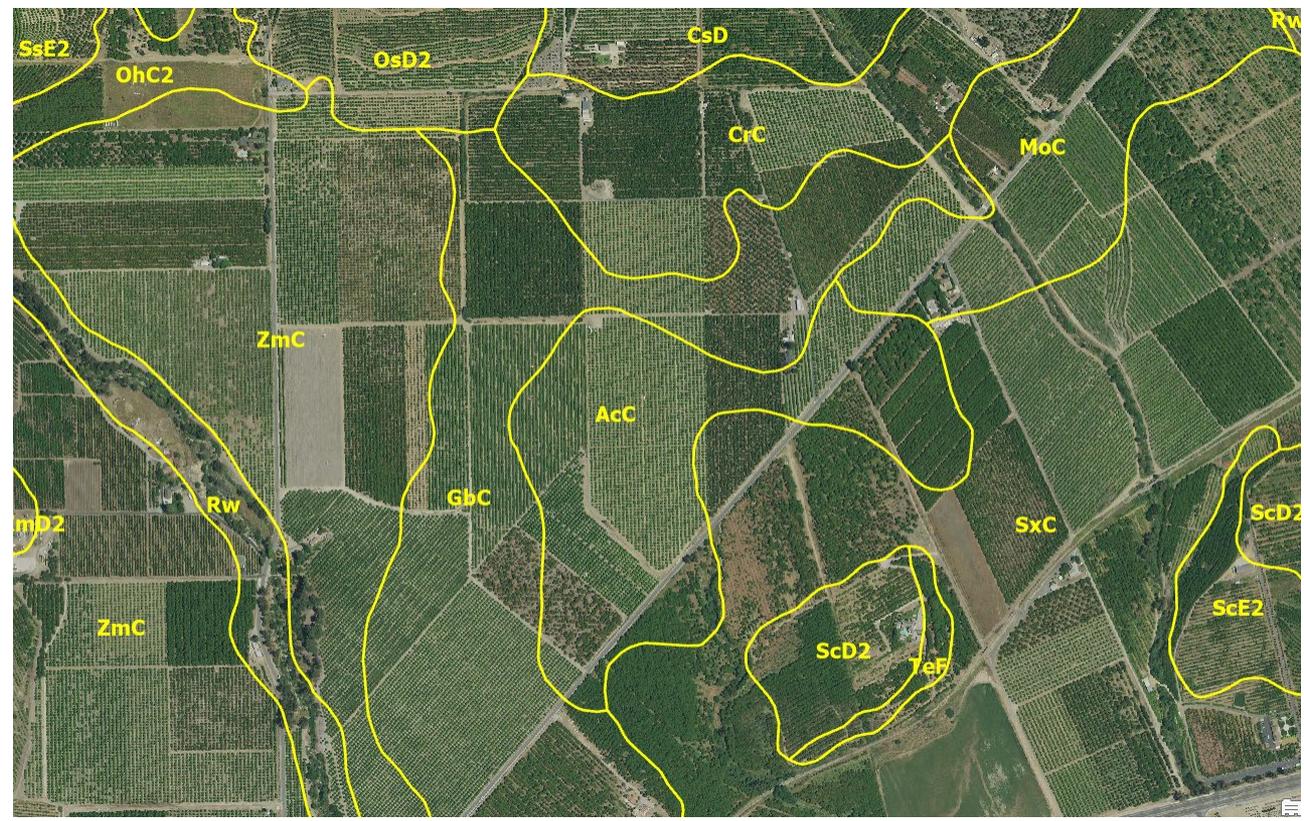
THESE SOIL MAPPING UNITS MEET THE CRITERIA FOR PRIME FARMLAND AS OUTLINED IN THE U.S. DEPARTMENT OF AGRICULTURE'S LAND INVENTORY AND MONITORING (LIM) PROJECT FOR THE SACRAMENTO COUNTY SOIL SURVEY.

SACRAMENTO COUNTY

<u>SYMBOL</u>	<u>NAME</u>
111	Bruella sandy loam, 0 to 2 percent slopes
112	Bruella sandy loam, 2 to 5 percent slopes
113	Capay clay loam, 0 to 2 percent slopes, occasionally flooded
114*	Clear Lake clay, partially drained, 0 to 2 percent slopes, frequently flooded
115	Clear Lake clay, hardpan substratum, drained, 0 to 1 percent slopes
116	Columbia sandy loam, partially drained, 0 to 2 percent slopes
117	Columbia sandy loam, drained, 0 to 2 percent slopes
118	Columbia sandy loam, drained, 0 to 2 percent slopes, occasionally flooded
119	Columbia sandy loam, clayey substratum, partially drained, 0 to 2 percent slopes
120	Columbia sandy loam, clayey substratum, drained, 0 to 2 percent slopes
121	Columbia sandy loam, clayey substratum, drained, 0 to 2 percent slopes, occasionally flooded
122	Columbia fine sandy loam, partially drained, 0 to 2 percent slopes
123	Columbia silt loam, drained, 2 to 5 percent slopes
127	Cosumnes silt loam, partially drained, 0 to 2 percent slopes
128	Cosumnes silt loam, drained, 0 to 2 percent slopes
129	Cosumnes silt loam, drained, 0 to 2 percent slopes, occasionally flooded
131	Coyotecreek silt loam, 0 to 2 percent slopes, occasionally flooded
132	Creviscreek sandy loam, 0 to 3 percent slopes
135	Dierrsens clay loam, deep, drained, 0 to 2 percent slopes

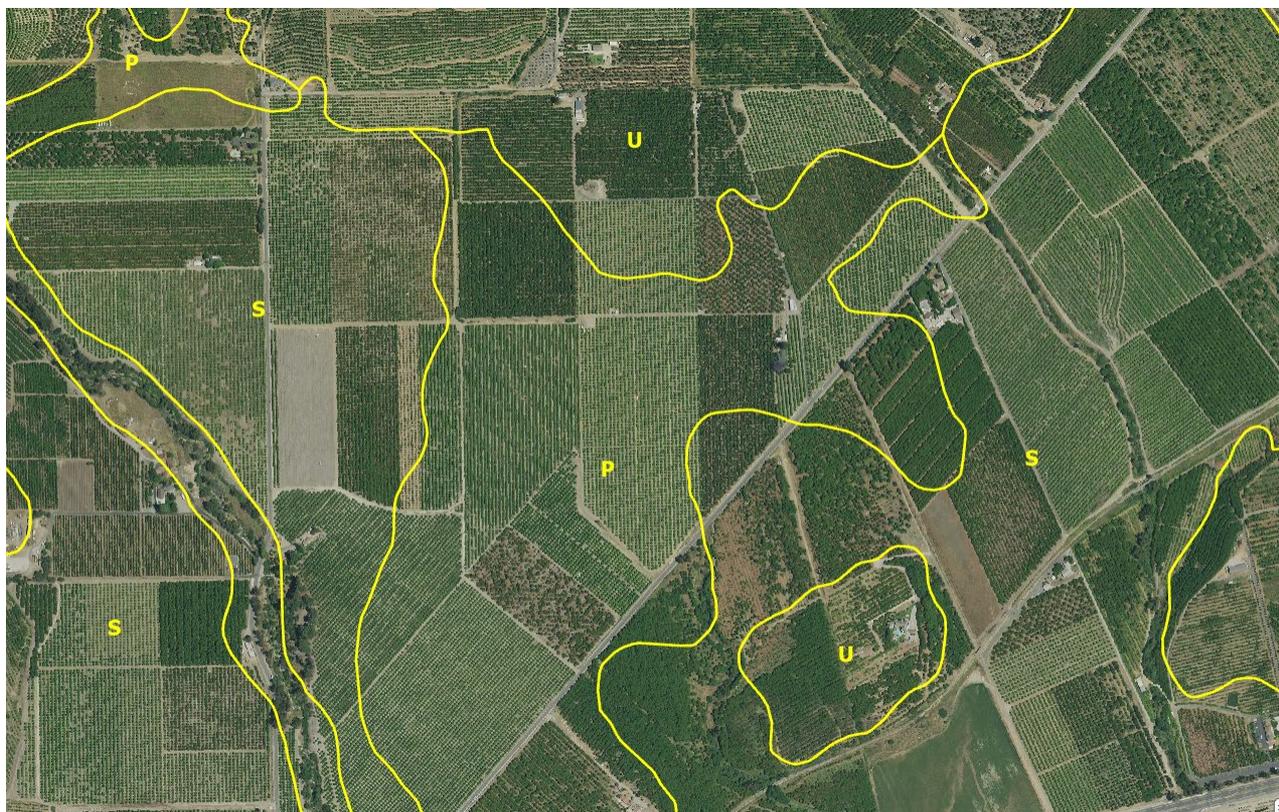


Soil Units Classified as Prime Soils or Soils of Statewide Importance



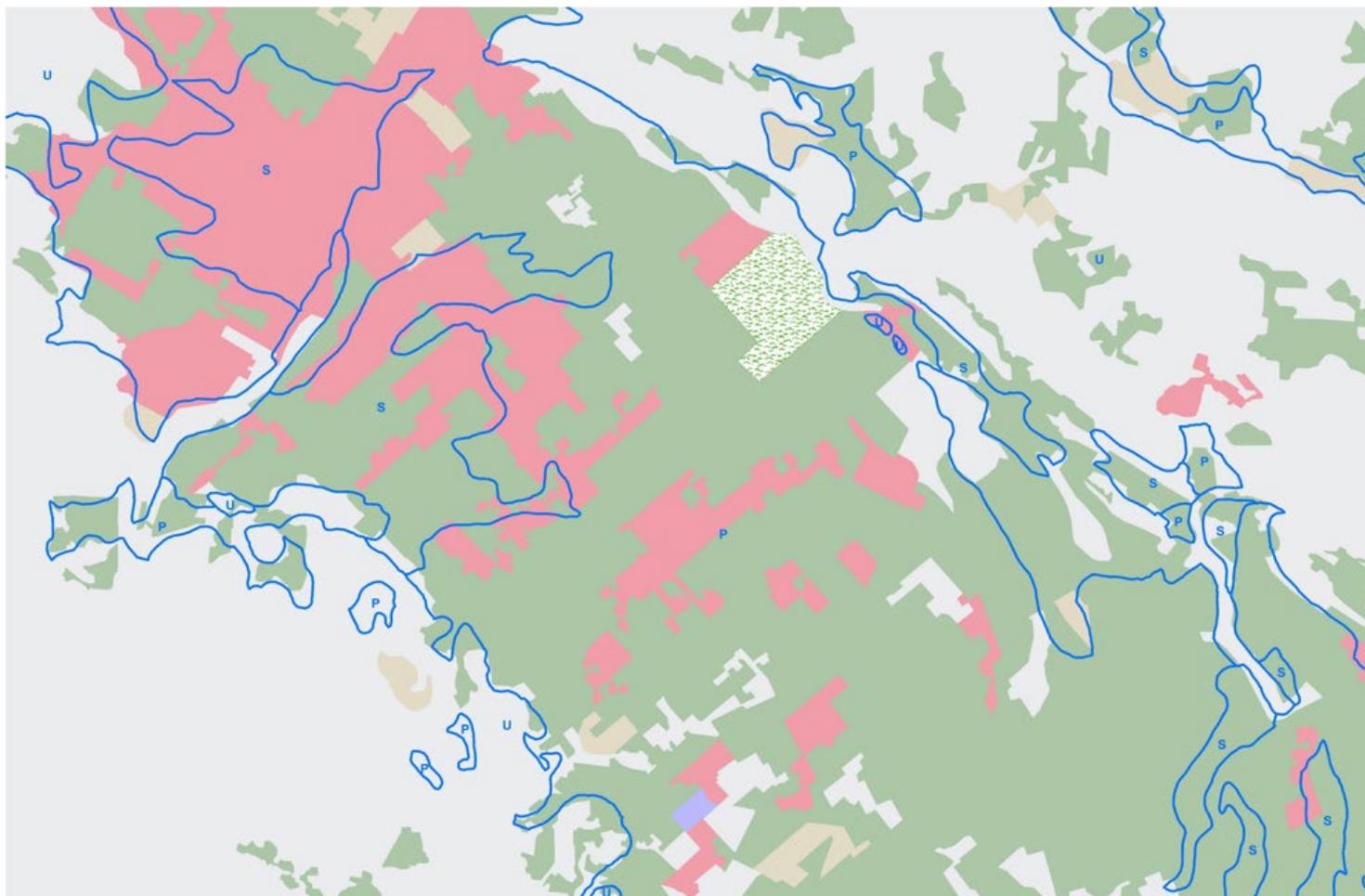


Soil Units Classified as Prime Soils or Soils of Statewide Importance



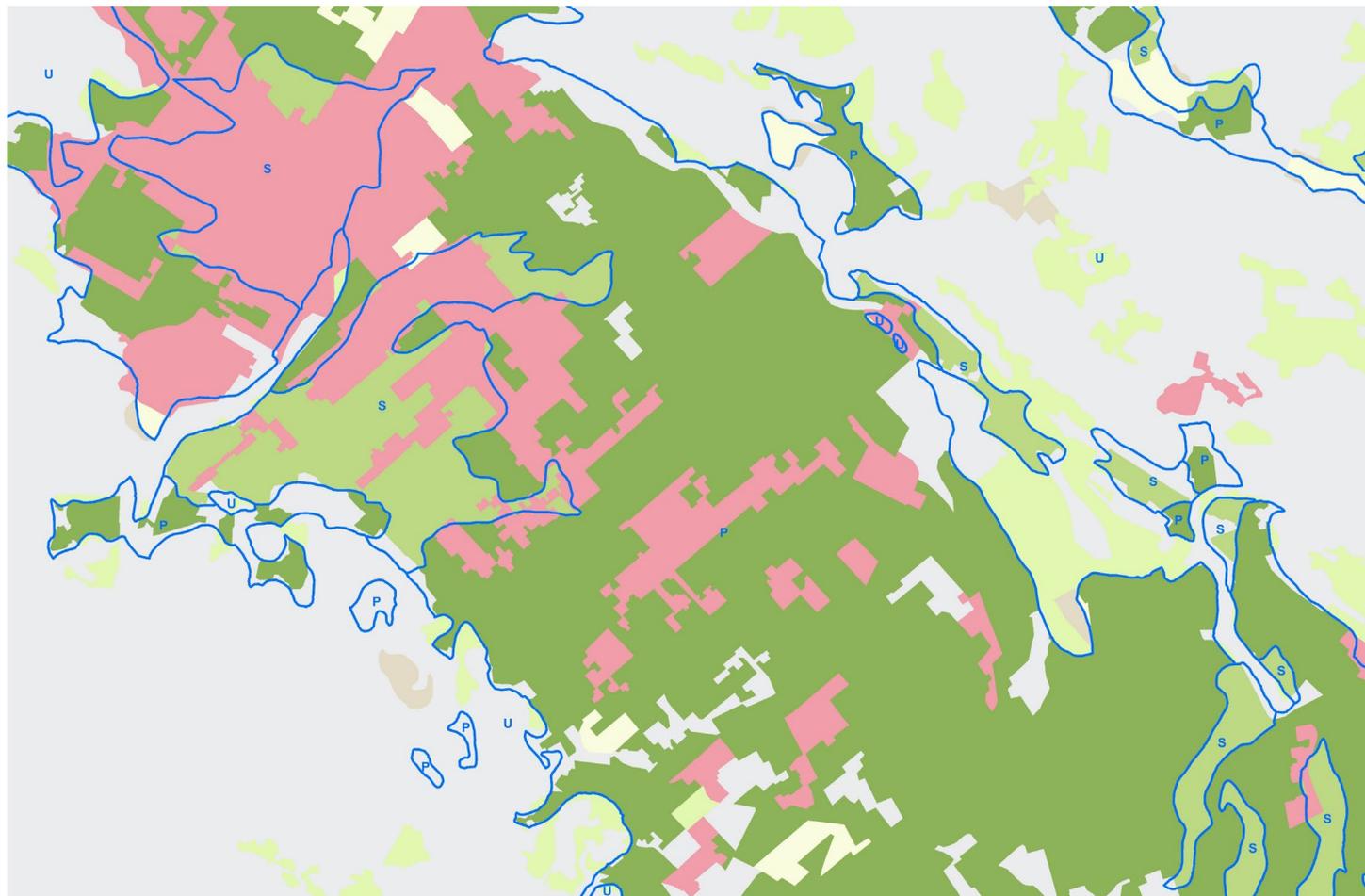


Land Use combined with the Soil Survey



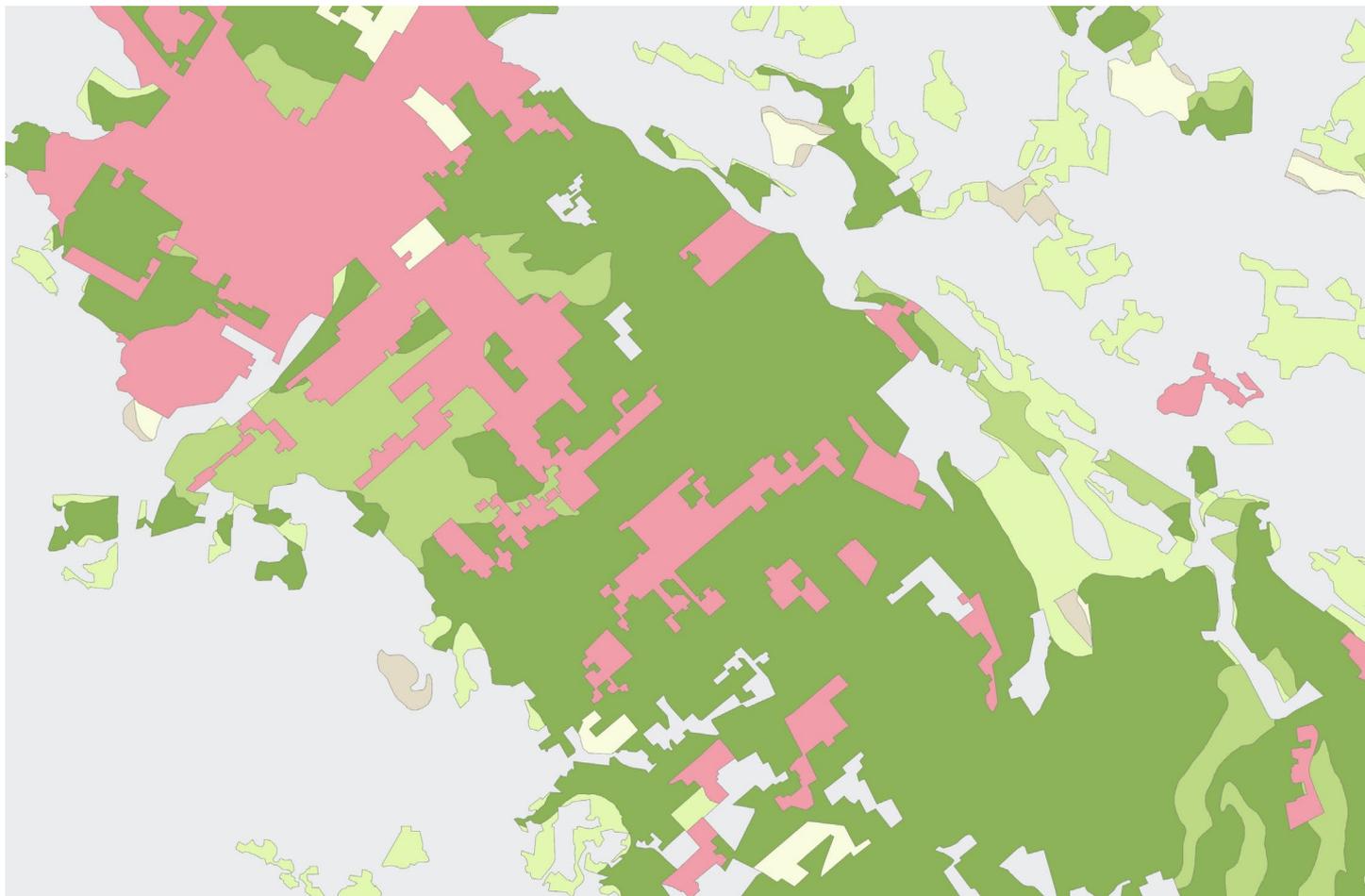


Agricultural Categories affected by Soils



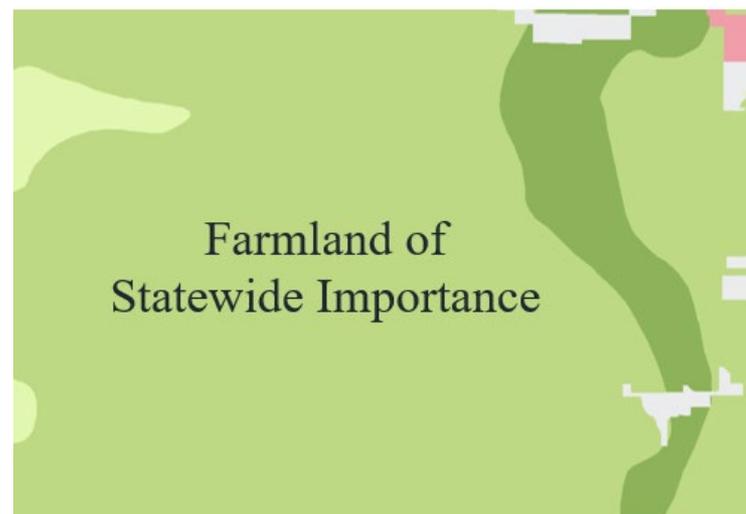


Important Farmland Data





Important Farmland Categories

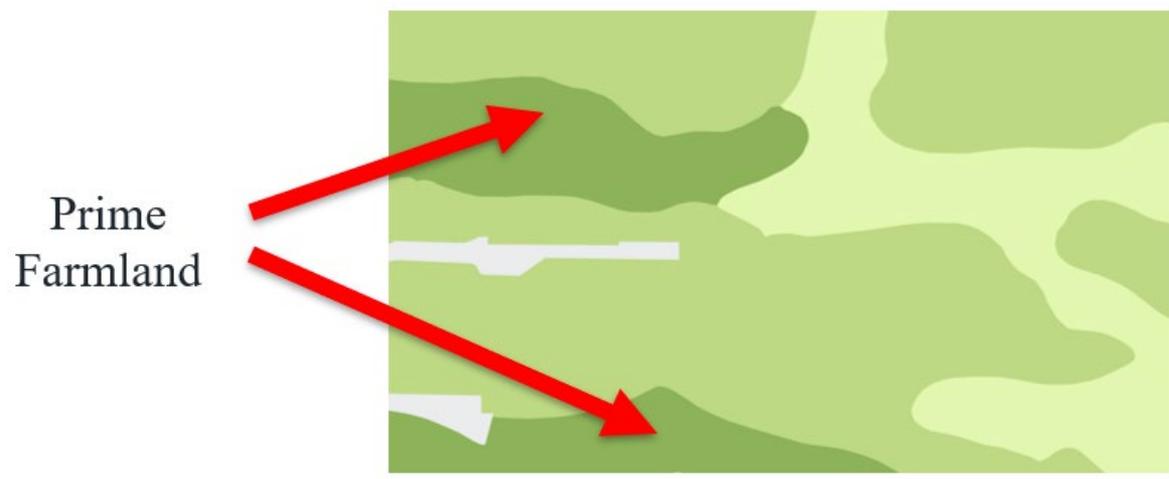
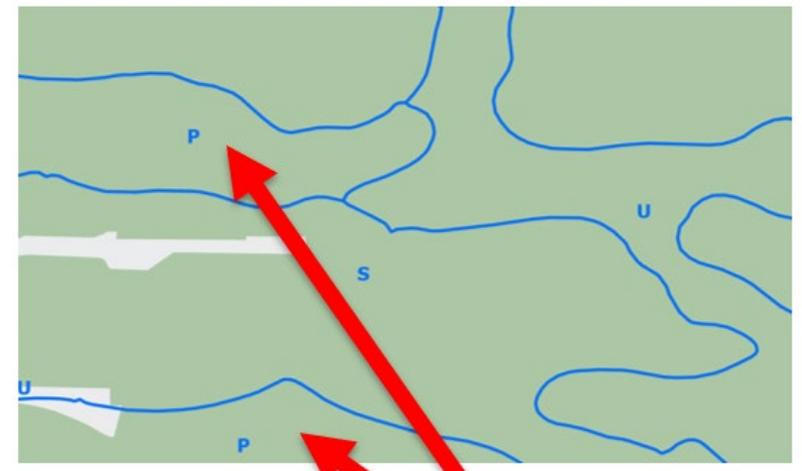




Prime Farmland



+

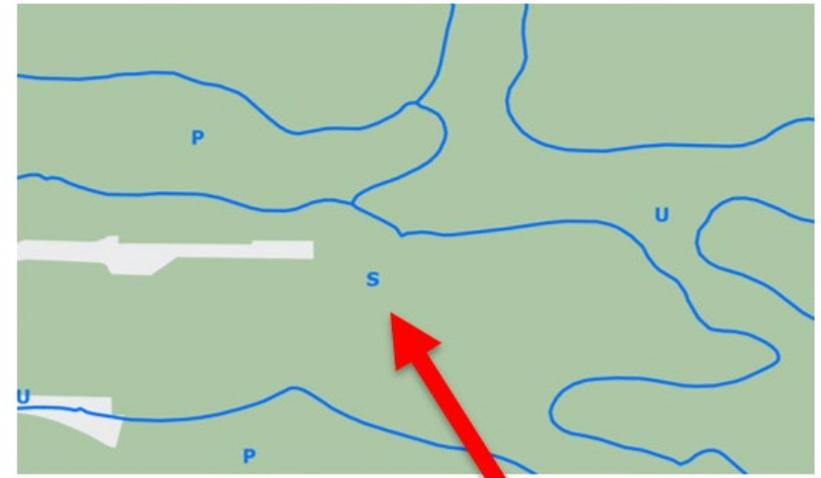




Farmland of Statewide Importance

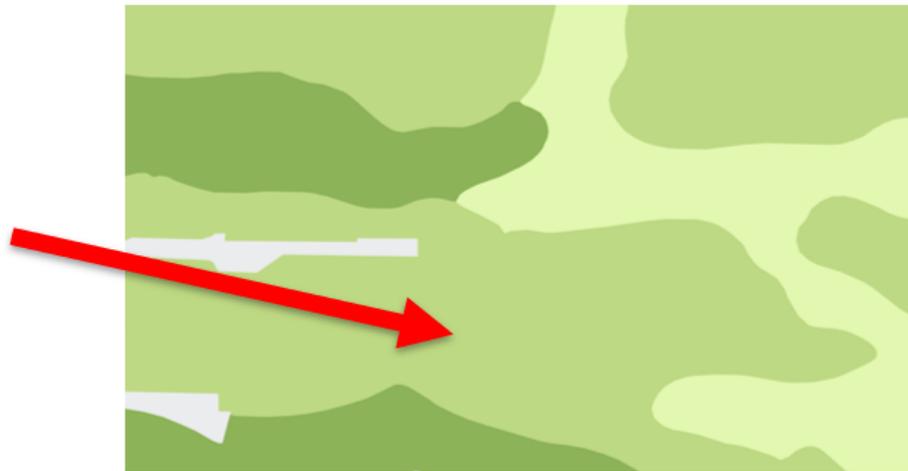


+



Soils of
Statewide
Importance

Farmland of
Statewide
Importance





Unique Farmland

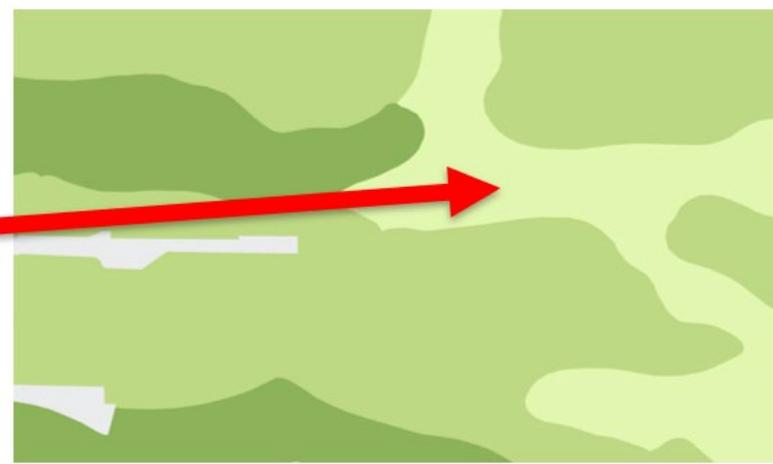


+



Unique
Soils

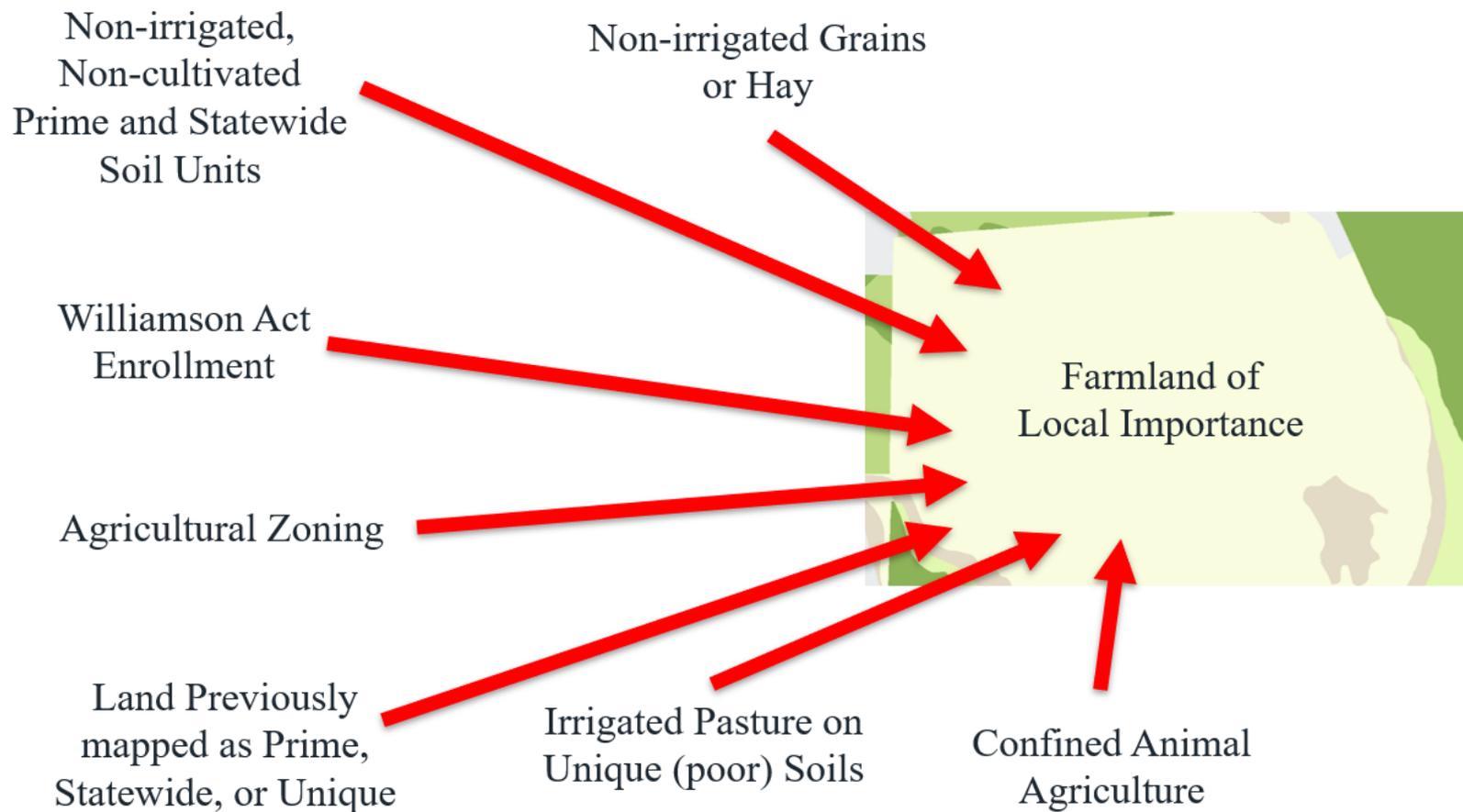
Unique
Farmland





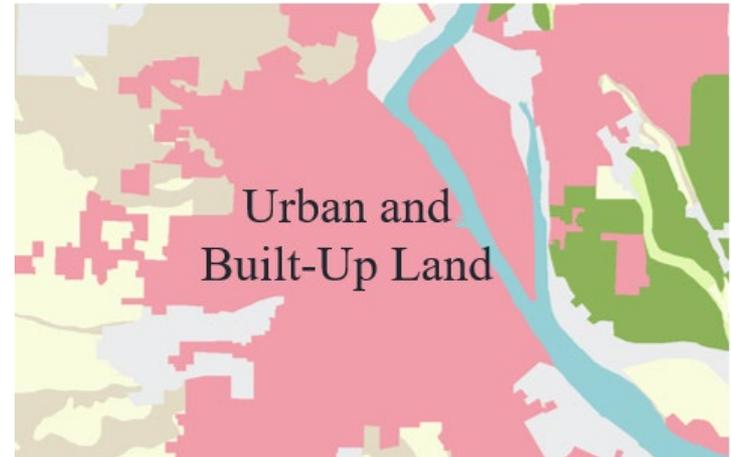
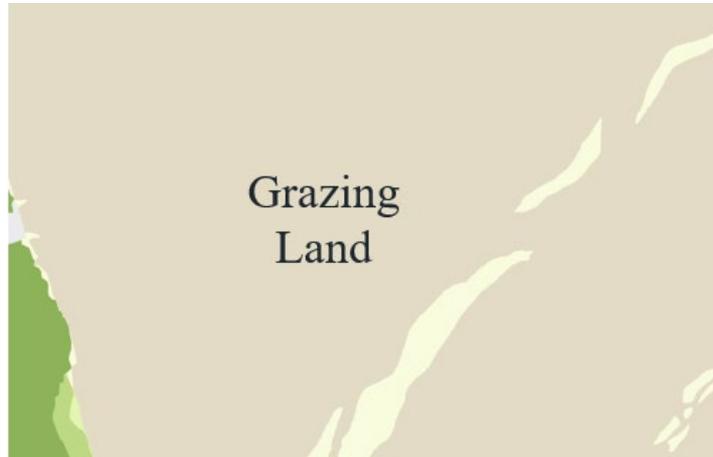
Farmland of Local Importance

(possible definition components)



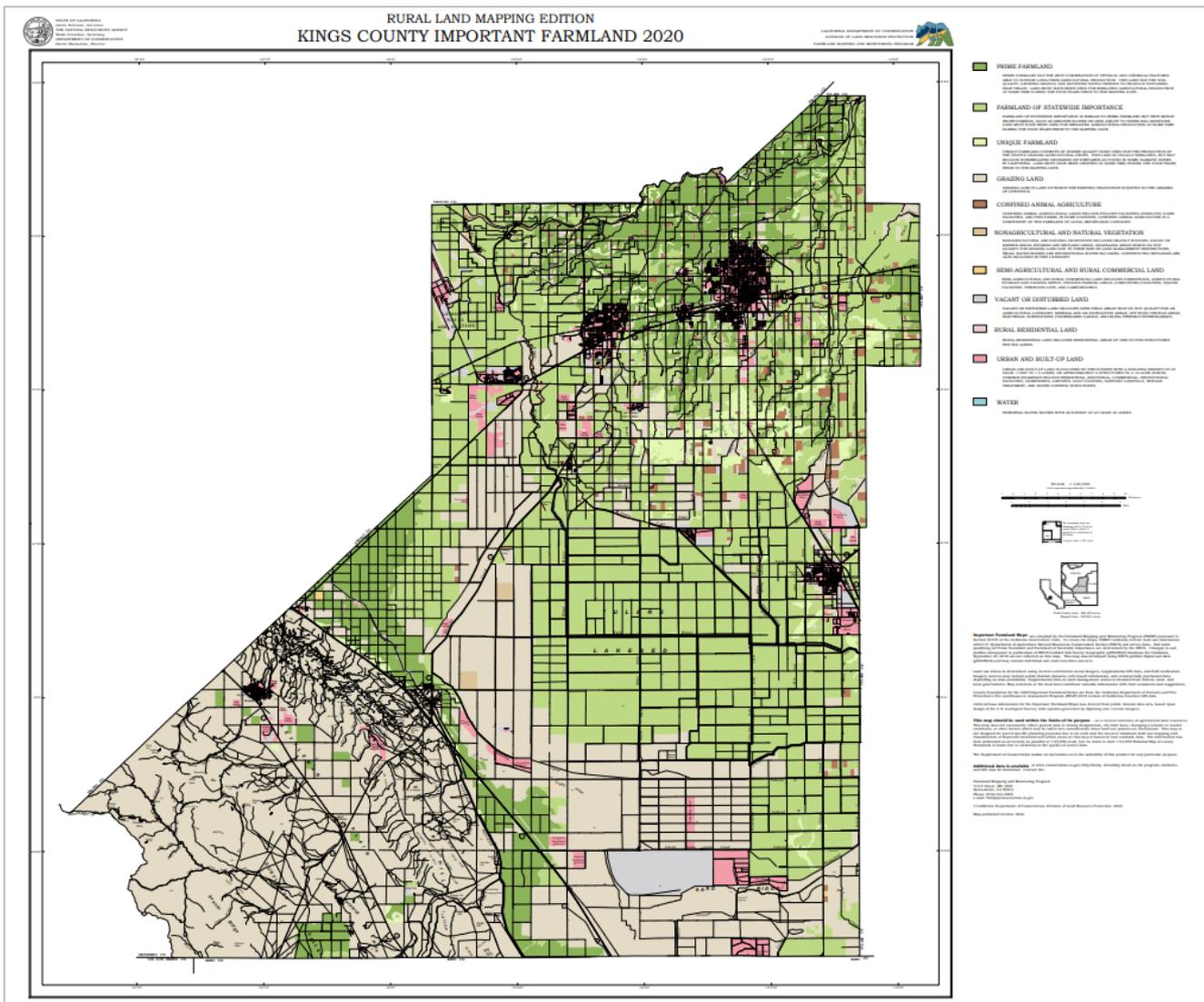


Additional Map Categories





Important Farmland Map





GIS Data for Download

DLRP Data Downloads

D

Downloadable GIS data from the Division of Land Resource Protection, California Department of Conservation
owned by **DOCGIS**

Description

An in-depth description of the group is not available.

Recently added content

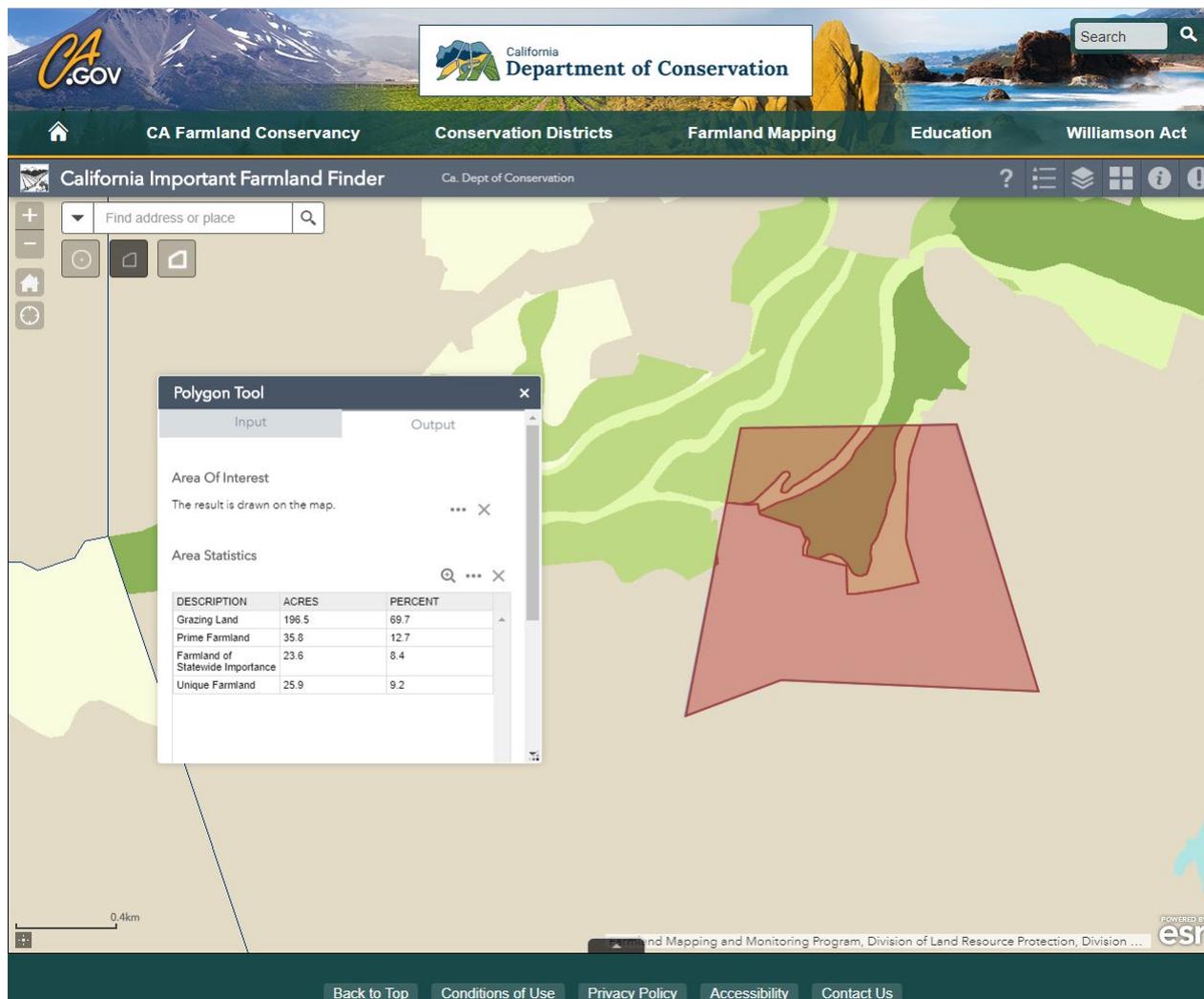
<div style="background-color: #f0f0f0; padding: 5px; margin-bottom: 5px;"> <p>CA Important Farmland: 2020</p>  </div> <div style="background-color: #f0f0f0; padding: 5px; margin-bottom: 5px;"> <p>File Geodatabase </p> <p>2020 FMMP File Geodatabase</p> <p> File Geodatabase</p> <p>Created: Dec 27, 2024 Updated: Dec 27, 2024 Number of downloads: 237</p> <p>DOCGIS  </p> </div>	<div style="background-color: #f0f0f0; padding: 5px; margin-bottom: 5px;"> <p>CA Important Farmland: 2022</p>  </div> <div style="background-color: #f0f0f0; padding: 5px; margin-bottom: 5px;"> <p>File Geodatabase </p> <p>2022 FMMP File Geodatabase</p> <p> File Geodatabase</p> <p>Created: Dec 27, 2024 Updated: Apr 16, 2025 Number of downloads: 504</p> <p>DOCGIS  </p> </div>	<div style="background-color: #f0f0f0; padding: 5px; margin-bottom: 5px;"> <p>CA Important Farmland: 2014</p>  </div> <div style="background-color: #f0f0f0; padding: 5px; margin-bottom: 5px;"> <p>File Geodatabase </p> <p>2014 FMMP File Geodatabase</p> <p> File Geodatabase</p> <p>Created: Dec 9, 2024 Updated: Dec 9, 2024 Number of downloads: 43</p> <p>DOCGIS  </p> </div>	<div style="background-color: #f0f0f0; padding: 5px; margin-bottom: 5px;"> <p>California Williamson Act Enrollment 2023</p>  </div> <div style="background-color: #f0f0f0; padding: 5px; margin-bottom: 5px;"> <p>Geodatabase </p> <p>California Williamson Act Enr...</p> <p> File Geodatabase</p> <p>Created: Apr 12, 2024 Updated: Apr 12, 2024 Number of downloads: 629</p> <p>DOCGIS  </p> </div>
<div style="background-color: #f0f0f0; padding: 5px; margin-bottom: 5px;"> <p>CA Important Farmland: 2016</p>  </div>	<div style="background-color: #f0f0f0; padding: 5px; margin-bottom: 5px;"> <p>California Williamson Act Enrollment 2022</p>  </div>	<div style="background-color: #f0f0f0; padding: 5px; margin-bottom: 5px;"> <p>CA Important Farmland: 2018</p>  </div>	<div style="background-color: #f0f0f0; padding: 5px; margin-bottom: 5px;"> <p>California Williamson Act Enrollment 2021</p>  </div>

<https://gis.conservation.ca.gov/portal/home/group.html?id=b1494c705cb34d01acf78f4927a75b8f#overview>



California Important Farmland Finder

<https://maps.conservation.ca.gov/DLRP/CIFF/>



CA Farmland Conservancy Conservation Districts Farmland Mapping Education Williamson Act

California Important Farmland Finder Ca. Dept of Conservation

Find address or place

Polygon Tool

Input Output

Area Of Interest
The result is drawn on the map. ... X

Area Statistics
... X

DESCRIPTION	ACRES	PERCENT
Grazing Land	196.5	69.7
Prime Farmland	35.8	12.7
Farmland of Statewide Importance	23.6	8.4
Unique Farmland	25.9	9.2

0.4km

Powered by esri

Back to Top Conditions of Use Privacy Policy Accessibility Contact Us



Important Farmland Time Series



California Important Farmland: 1984 - 2022

Overview New Urban & Built Up Most Recent 2022 **2020** 2018 2016 2014 2012 2010 2008 2006 2004 2002 2000

Overview

The California Important Farmland (CIF) dataset, frequently called the Farmland Mapping and Monitoring Program (FMMP) data, was established in 1982. Government Code Section 65570 mandates FMMP to biennially report on the conversion of farmland and grazing land, and to provide maps and data to local government and the public. FMMP provides data to decision makers for use in planning for the present and future use of California's agricultural land resources.

The data is a current inventory of agricultural resources. This data is for general planning purposes and has a minimum mapping unit of ten acres. The 2022 data is still being developed and will be updated as areas are completed.

GIS Data Download: GIS Data
Map Services: DLRP
Metadata: Metadata

Data Disclaimer

Important Farmland Maps are compiled by the Farmland Mapping and Monitoring Program (FMMP) pursuant to Section 65570 of the California Government Code. To create the GIS data, FMMP combines current land use information with U.S. Department of Agriculture-Natural Resources Conservation Service (NRCS) soil survey data. Soil units qualifying for Prime

<https://maps.conservation.ca.gov/DLRP/CIFF/>



Land Use Conversion Table

**TABLE A-12
KINGS COUNTY
2018-2020 Land Use Conversion**

**CALIFORNIA DEPARTMENT OF CONSERVATION
Division of Land Resource Protection**

Farmland Mapping and Monitoring Program

**PART I
County Summary and Change by Land Use Category**

LAND USE CATEGORY	TOTAL ACREAGE 2018	TOTAL ACREAGE 2020	2018-2020 ACRES LOST (-)	2018-2020 ACRES GAINED (+)	2018-2020 TOTAL ACREAGE CHANGED	2018-2020 NET ACREAGE CHANGED
Prime Farmland	107,913	109,698	2,623	4,408	7,031	1,785
Farmland of Statewide Importance	320,052	315,272	6,452	1,672	8,124	-4,780
Unique Farmland	20,531	20,272	274	15	289	-259
Farmland of Local Importance	10,534	10,514	64	44	108	-20
IMPORTANT FARMLAND SUBTOTAL	459,030	455,756	9,413	6,139	15,552	-3,274
Grazing Land	358,342	359,932	6,952	8,542	15,494	1,590
AGRICULTURAL LAND SUBTOTAL	817,372	815,688	16,365	14,681	31,046	-1,684
Urban and Built-up Land	39,428	40,930	125	1,627	1,752	1,502
Other Land	33,942	34,186	737	981	1,718	244
Water Area	62	0	62	0	62	-62
TOTAL AREA INVENTORIED	890,804	890,804	17,289	17,289	34,578	0

**PART II
Land Committed to Nonagricultural Use**

LAND USE CATEGORY	TOTAL ACREAGE 2020
Prime Farmland	DATA NOT AVAILABLE
Farmland of Statewide Importance	DATA NOT AVAILABLE
Unique Farmland	DATA NOT AVAILABLE
Farmland of Local Importance	DATA NOT AVAILABLE
IMPORTANT FARMLAND SUBTOTAL	
Grazing Land	
AGRICULTURAL LAND SUBTOTAL	
Urban and Built-up Land	
Other Land	
Water Area	
TOTAL ACREAGE REPORTED	

PART III Land Use Conversion from 2018 to 2020

LAND USE CATEGORY	Prime Farmland	Farmland of Statewide Importance	Unique Farmland	Farmland of Local Importance	Subtotal Important Farmland	Grazing Land	Total Agricultural Land	Urban and Built-up Land	Other Land	Water Area	Total Converted To Another Use
Prime Farmland (1)	to: 0	0	0	7	7	2,319	2,326	133	164	0	2,623
Farmland of Statewide Importance (2)	to: 0	0	0	25	25	5,564	5,589	333	530	0	6,452
Unique Farmland	to: 0	0	0	0	0	252	252	13	9	0	274
Farmland of Local Importance	to: 7	13	2	0	22	4	26	0	38	0	64
IMPORTANT FARMLAND SUBTOTAL	7	13	2	32	54	8,139	8,193	479	741	0	9,413
Grazing Land (2)	to: 4,291	1,624	12	12	5,939	0	5,939	875	138	0	6,952
AGRICULTURAL LAND SUBTOTAL	4,298	1,637	14	44	5,993	8,139	14,132	1,354	879	0	16,365
Urban and Built-up Land (3)	to: 11	0	0	0	11	12	23	0	102	0	125
Other Land	to: 99	35	1	0	135	329	464	273	0	0	737
Water Area (4)	to: 0	0	0	0	0	62	62	0	0	0	62
TOTAL ACREAGE CONVERTED	to: 4,408	1,672	15	44	6,139	8,542	14,681	1,627	981	0	17,289

(1) Conversion to Grazing Land is primarily due to land left idle or land used for dryland grain production for three or more update cycles.
(2) Conversion to irrigated farmland is primarily due to the addition of irrigated orchards, row crops and field crops.
(3) Conversion from Urban and Built-up Land is primarily the result of a defunct golf course, land lacking sufficient infrastructure, and the use of detailed digital imagery to delineate more distinct urban boundaries.
(4) Conversion from Water due to a water body northeast of Lemoore Naval Air Station that had been dry for multiple updates.



Statewide Land Use Conversion Table

TABLE B-1
CALIFORNIA FARMLAND CONVERSION SUMMARY
2018-2020 Land Use Conversion

CALIFORNIA DEPARTMENT OF CONSERVATION
Division of Land Resource Protection

Farmland Mapping and Monitoring Program

PART I Land Use Totals and Net Changes

LAND USE CATEGORY	TOTAL ACREAGE INVENTORIED (1)		2018-20 ACREAGE CHANGES			
	2018	2020	ACRES LOST (-)	ACRES GAINED (+)	TOTAL ACREAGE CHANGED	NET ACREAGE CHANGED
	Prime Farmland	4,993,232	4,958,867	62,797	28,432	91,229
Farmland of Statewide Importance	2,514,894	2,496,223	36,736	18,065	54,801	-18,671
Unique Farmland	1,419,503	1,421,137	23,673	25,307	48,980	1,634
Farmland of Local Importance	3,436,314	3,440,358	72,149	76,193	148,342	4,044
IMPORTANT FARMLAND SUBTOTAL	12,363,943	12,316,585	195,355	147,997	343,352	-47,358
Grazing Land	19,676,583	19,659,768	78,103	61,288	139,391	-16,815
AGRICULTURAL LAND SUBTOTAL	32,040,526	31,976,353	273,458	209,285	482,743	-64,173
Urban and Built-up Land	4,402,815	4,426,626	24,641	48,452	73,093	23,811
Other Land	13,426,557	13,466,717	39,587	79,747	119,334	40,160
Water Area	771,146	771,348	7,737	7,939	15,676	202
TOTAL AREA INVENTORIED (1)	50,641,044	50,641,044	345,423	345,423	690,846	0

PART II Land Committed to Nonagricultural Use

LAND USE CATEGORY	TOTAL ACREAGE 2020
Prime Farmland	DATA NOT AVAILABLE (2)
Farmland of Statewide Importance	DATA NOT AVAILABLE (2)
Unique Farmland	DATA NOT AVAILABLE (2)
Farmland of Local Importance	DATA NOT AVAILABLE (2)
IMPORTANT FARMLAND SUBTOTAL	
Grazing Land	
AGRICULTURAL LAND SUBTOTAL	
Urban and Built-up Land	
Other Land	
Water Area	
TOTAL ACREAGE REPORTED	

PART III Land Use Conversion from 2018 to 2020

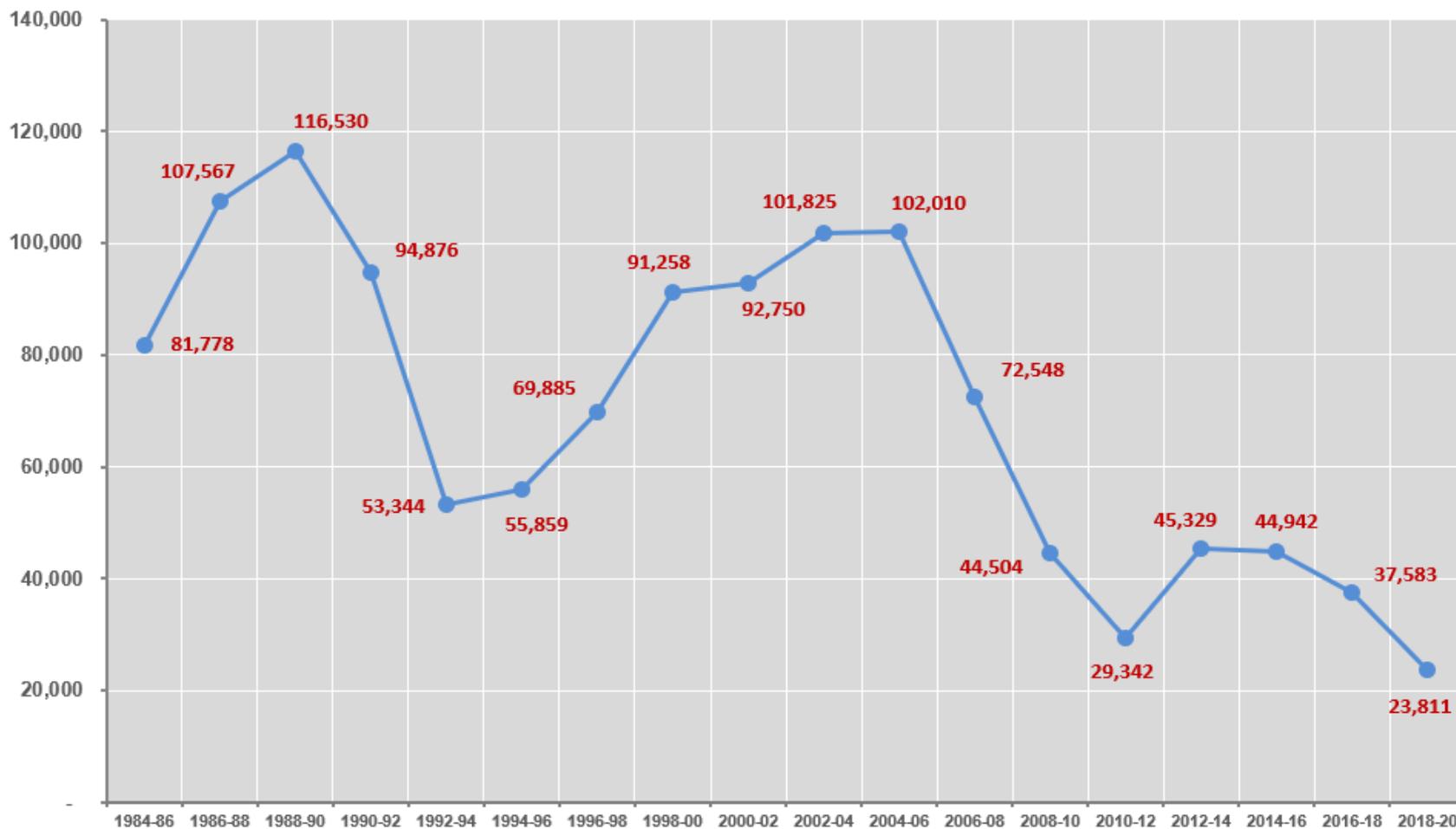
LAND USE CATEGORY	Prime Farmland	Farmland of Statewide Importance	Unique Farmland	Farmland of Local Importance	Subtotal Important Farmland	Grazing Land	Total Agricultural Land	Urban and Built-up Land	Other Land	Water Area	Total Converted To Another Use
Prime Farmland	to: -	1	340	29,558	29,899	16,141	46,040	4,958	11,767	32	62,797
Farmland of Statewide Importance	to: 1	-	182	20,199	20,382	8,969	29,351	2,186	5,199	0	36,736
Unique Farmland	to: 160	227	-	10,070	10,457	7,373	17,830	505	5,170	168	23,673
Farmland of Local Importance	to: 14,729	10,743	6,835	-	32,307	15,779	48,086	10,620	13,055	388	72,149
IMPORTANT FARMLAND SUBTOTAL	to: 14,890	10,971	7,357	59,827	93,045	48,262	141,307	18,269	35,191	588	195,355
Grazing Land	to: 10,500	5,000	14,986	12,608	43,094	-	43,094	10,275	23,827	907	78,103
AGRICULTURAL LAND SUBTOTAL	to: 25,390	15,971	22,343	72,435	136,139	48,262	184,401	28,544	59,018	1,495	273,458
Urban and Built-up Land (3)	to: 303	191	316	1,284	2,094	6,326	8,420	-	15,872	349	24,641
Other Land	to: 2,730	1,903	2,648	2,307	9,588	4,138	13,726	19,766	-	6,095	39,587
Water Area	to: 9	0	0	167	176	2,562	2,738	142	4,857	-	7,737
TOTAL ACREAGE CONVERTED	to: 28,432	18,065	25,307	76,193	147,997	61,288	209,285	48,452	79,747	7,939	345,423

(1) Total area inventoried increased with the addition of Calaveras and Tuolumne Counties to the survey area during the 2018 update, and now with land use conversion acreages.
(2) Data for optional Land Committed to Nonagricultural Use was not compiled due to lack of data submissions.
(3) Conversion out of Urban due to factors including abandonment of urban uses for three or more update cycles, and the use of more detailed imagery to delineate more distinct Urban boundaries.

CALIFORNIA FARMLAND CONVERSION SUMMARY

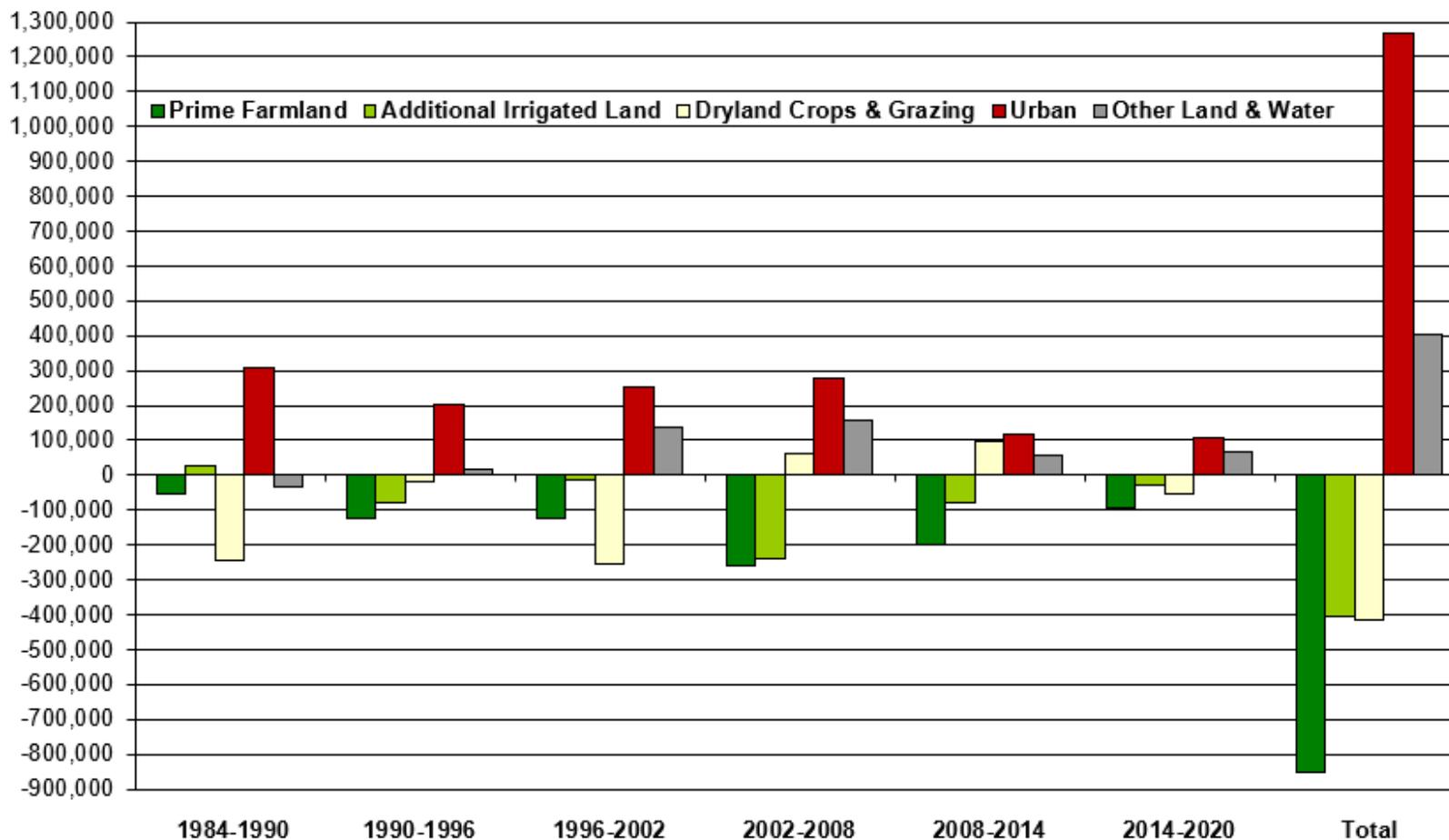


Net Urban Acreage Change 1984-2020





Net Acreage Change 1984-2020



Total irrigated farmland loss – 1,222,166 acres
 Prime Farmland loss – 850,488 acres - 70% of total



#1 Urbanizing Region



1984-2014

Southern California

2014-2016

San Joaquin Valley

2016-2018

Southern California

2018-2020

Southern California

2018-2020
Urbanization
Totals

Southern California 12,726 acres
San Joaquin Valley 12,279 acres



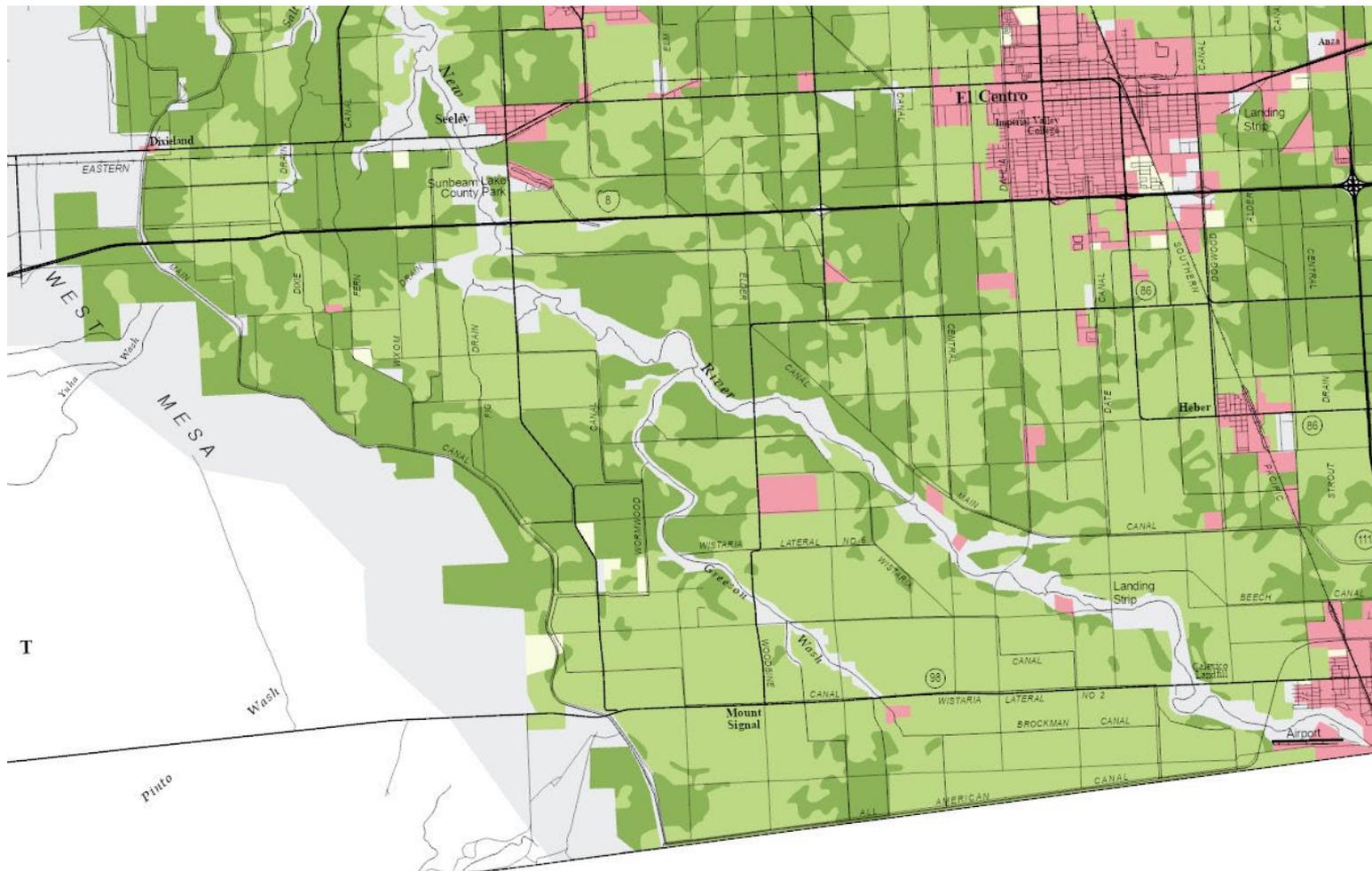
New Urban Due to Solar (within FMMP survey area)

- 2012-2014 19,809 acres
- 2014-2016 19,744 acres
- 2016-2018 17,192 acres
- 2018-2020 10,499 acres

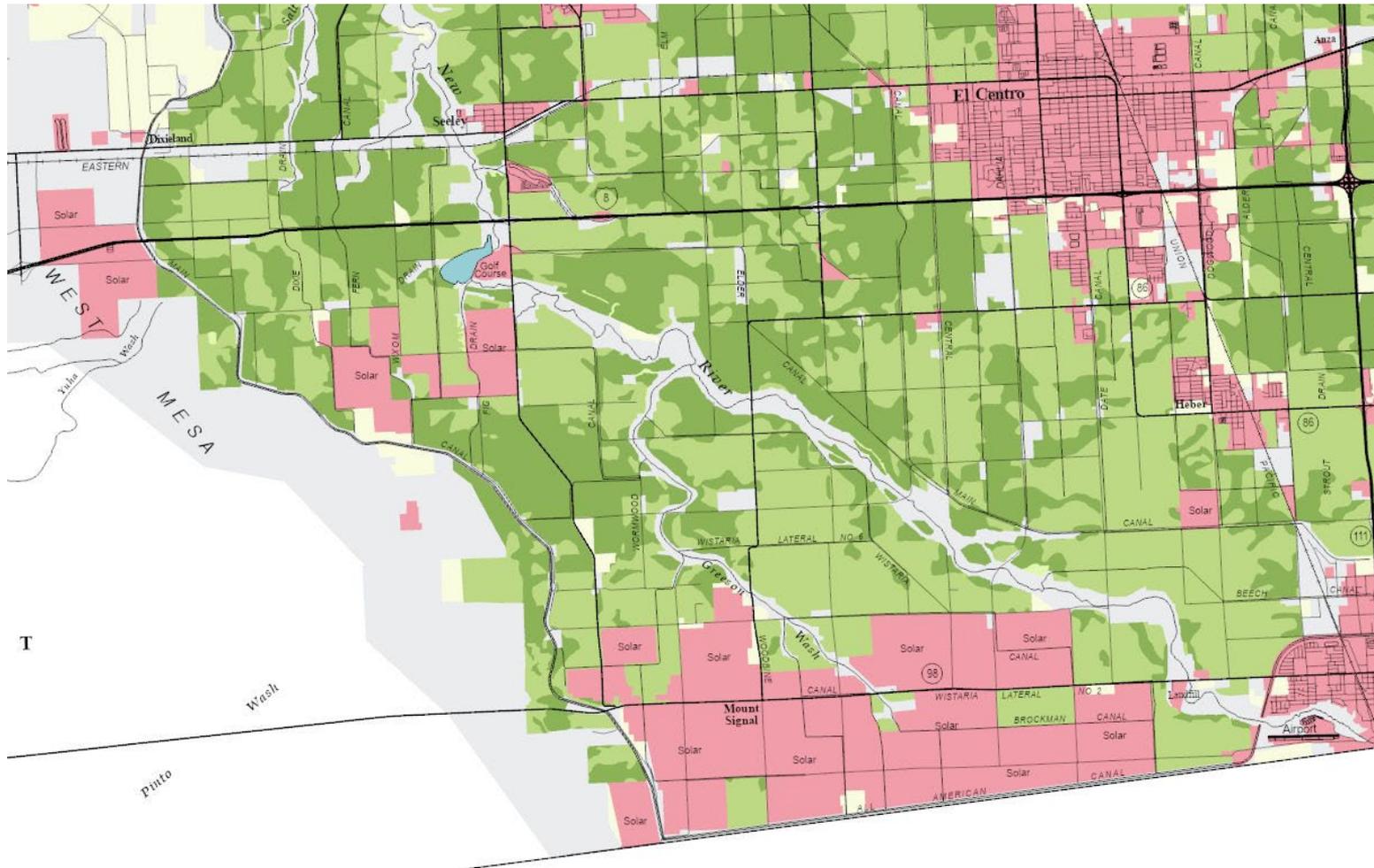




Solar Development, Imperial County 1984

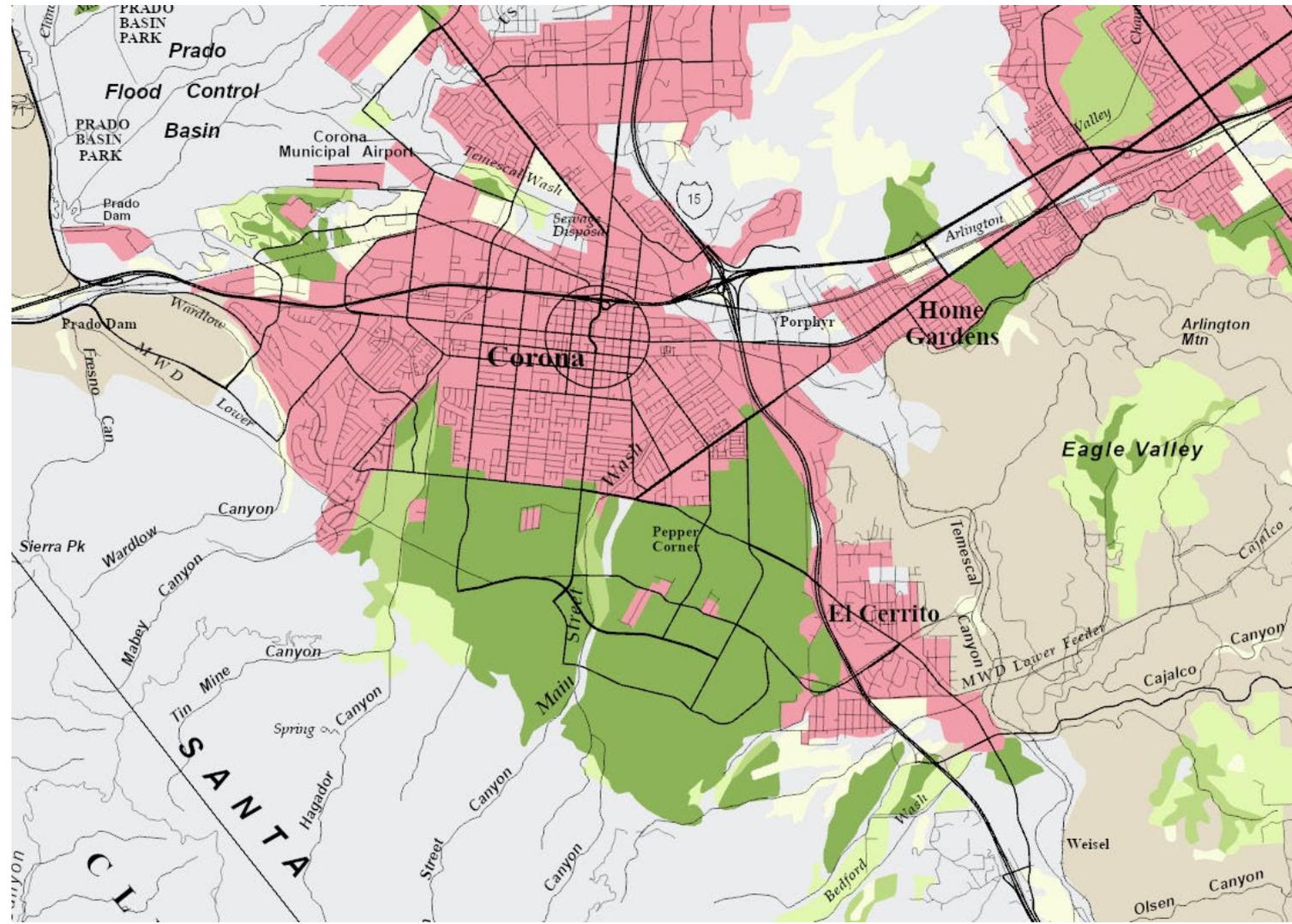


Solar Development, Imperial County 2022



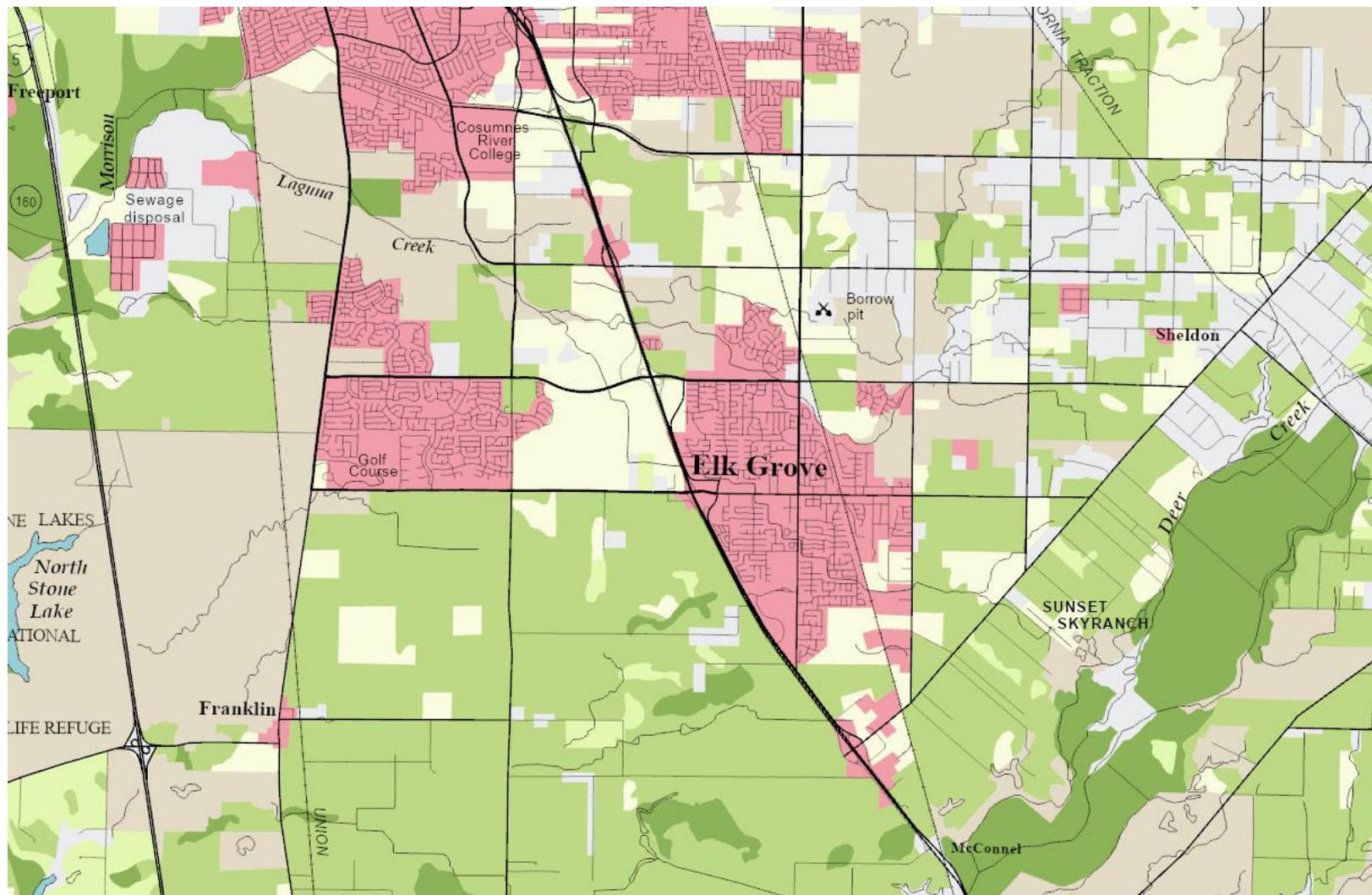


Corona, Riverside County 1984

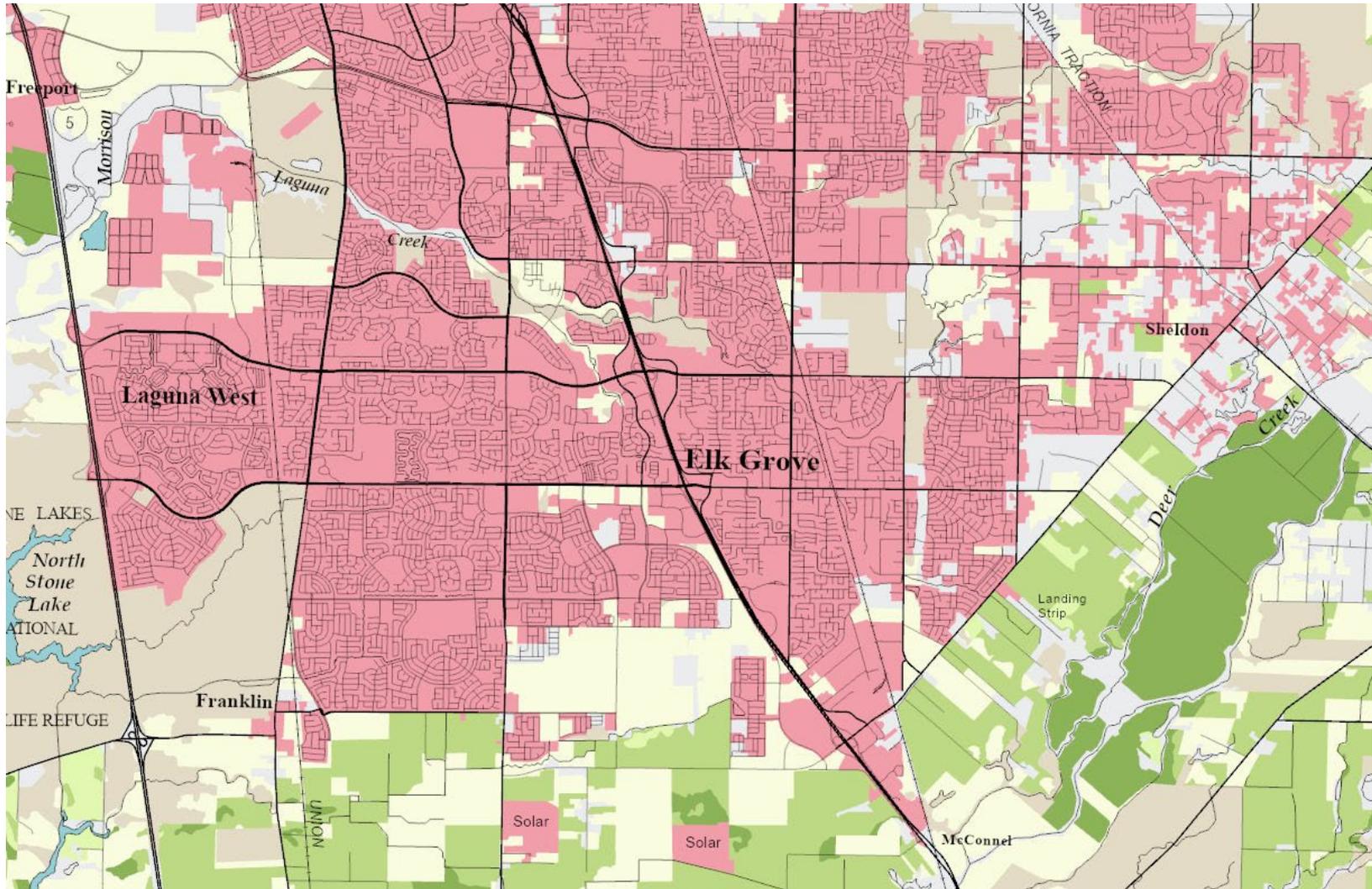




Elk Grove, Sacramento County 1988

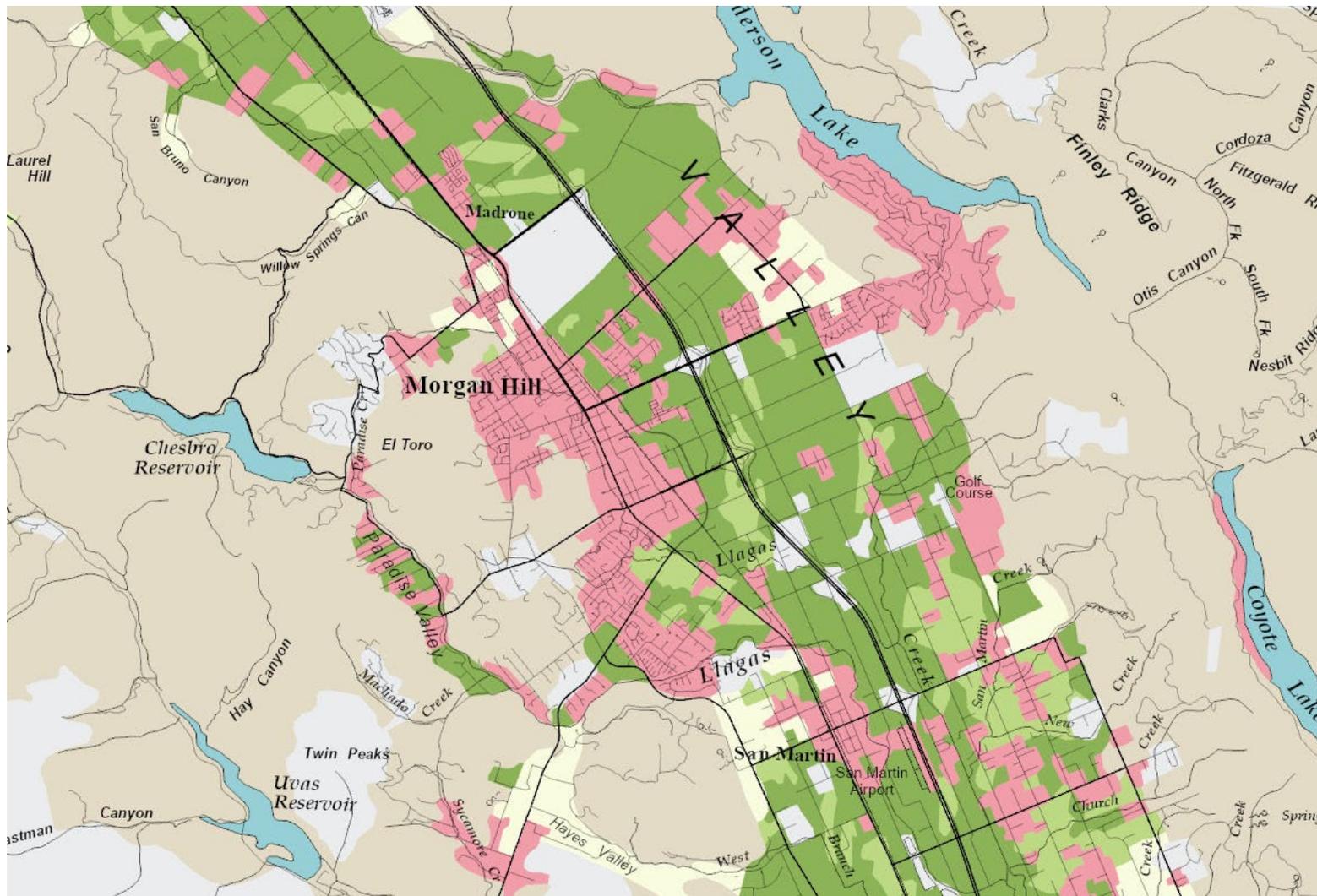


Elk Grove, Sacramento County 2022

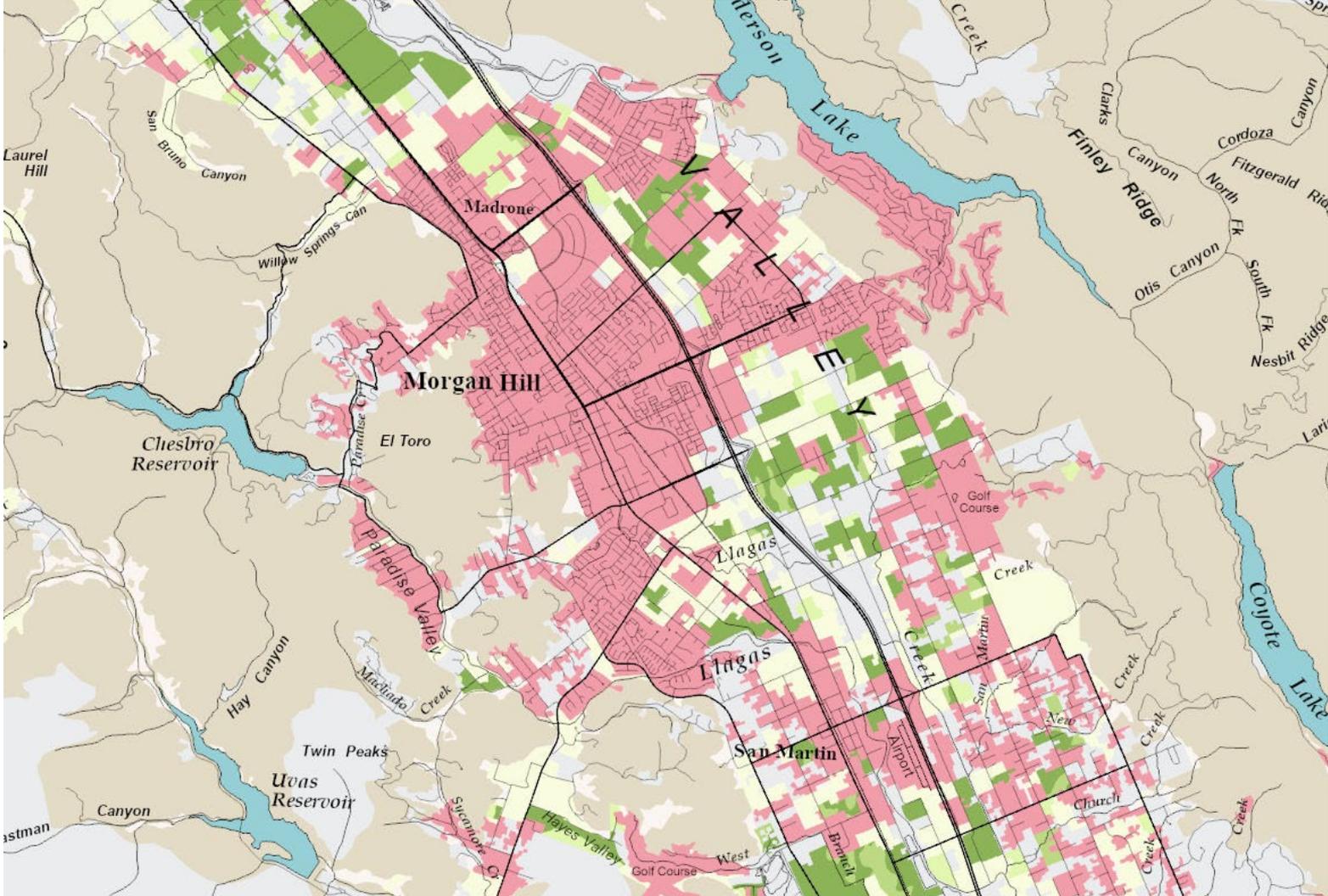




Morgan Hill, Santa Clara County 1984

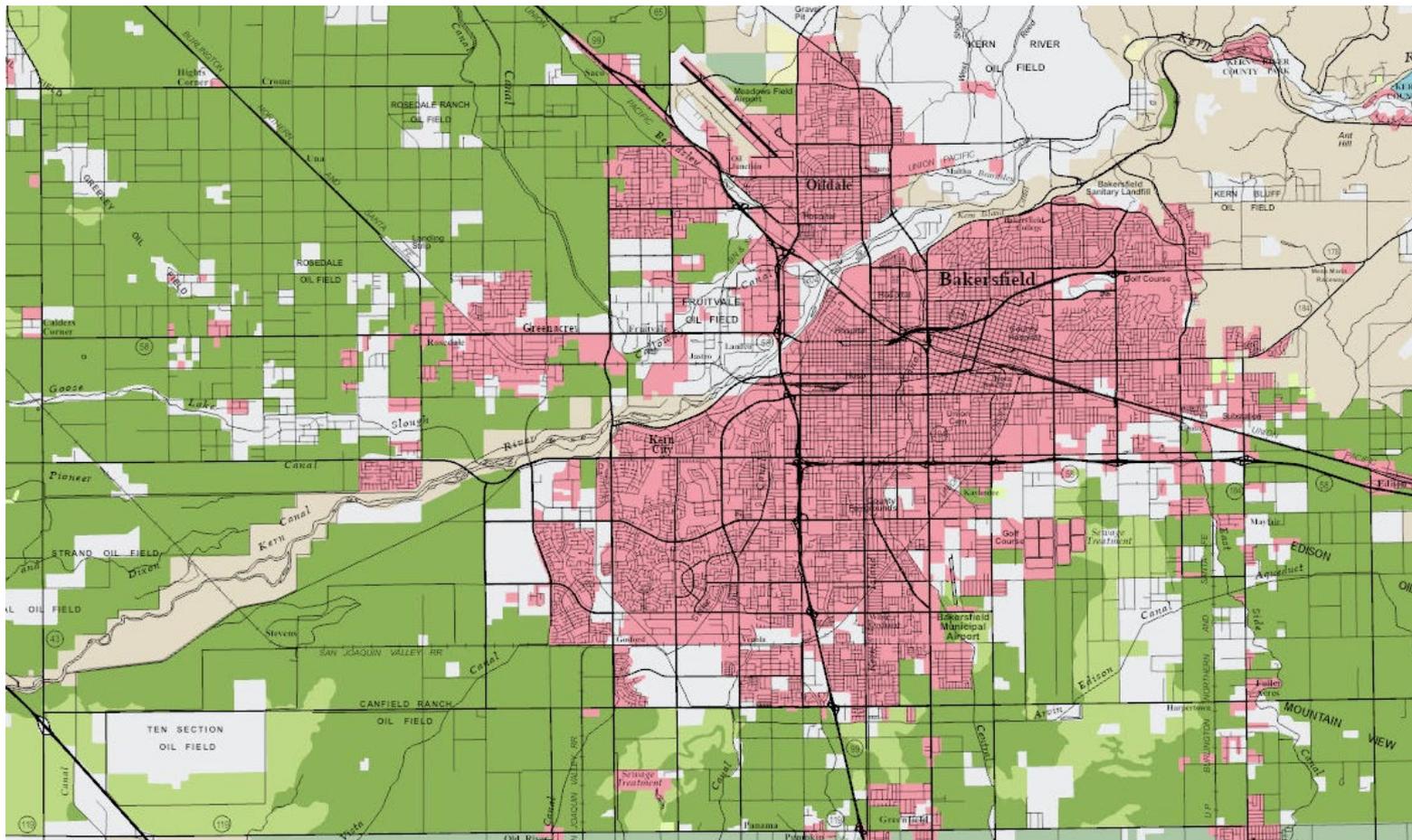


Morgan Hill, Santa Clara County 2022

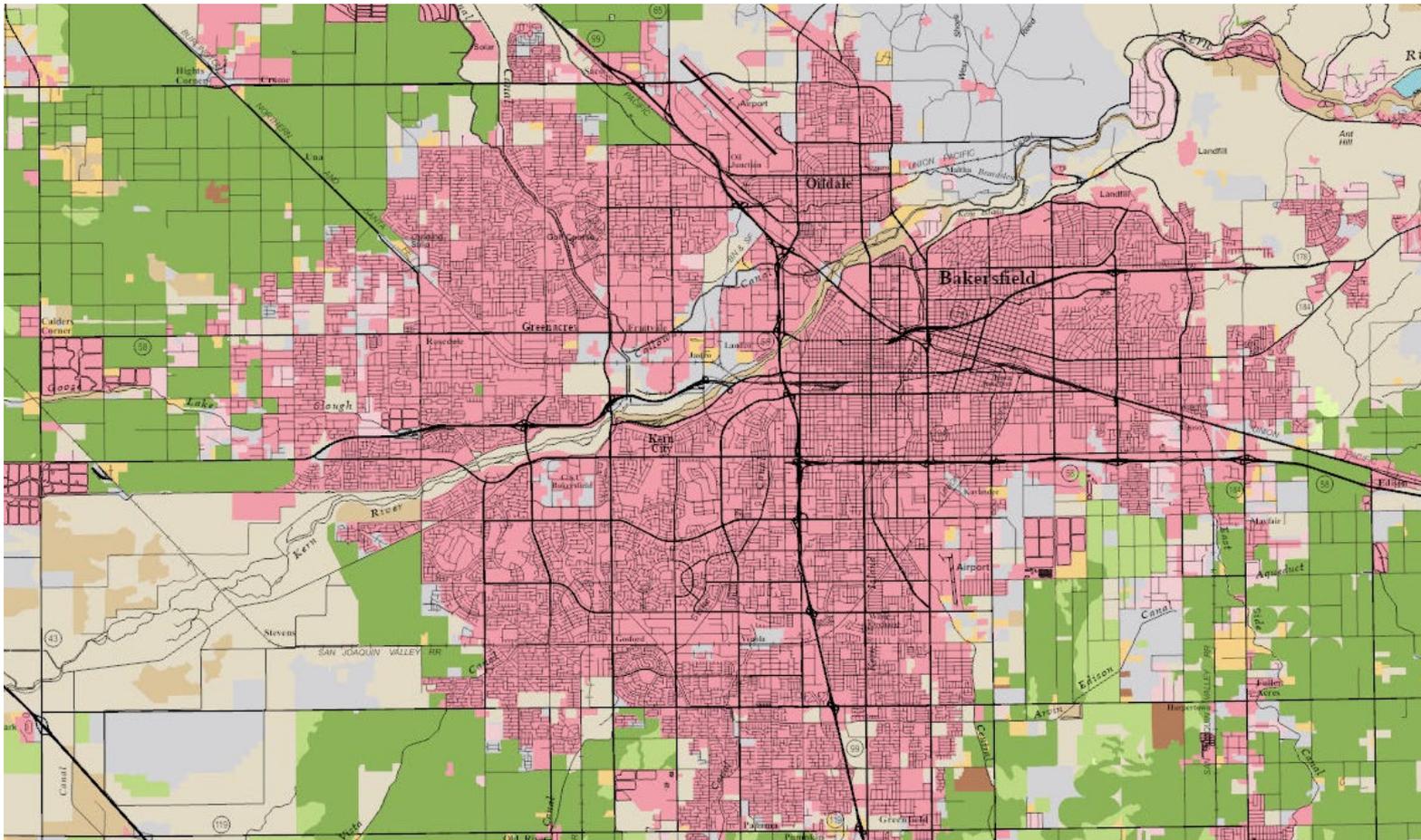




Bakersfield, Kern County 1988

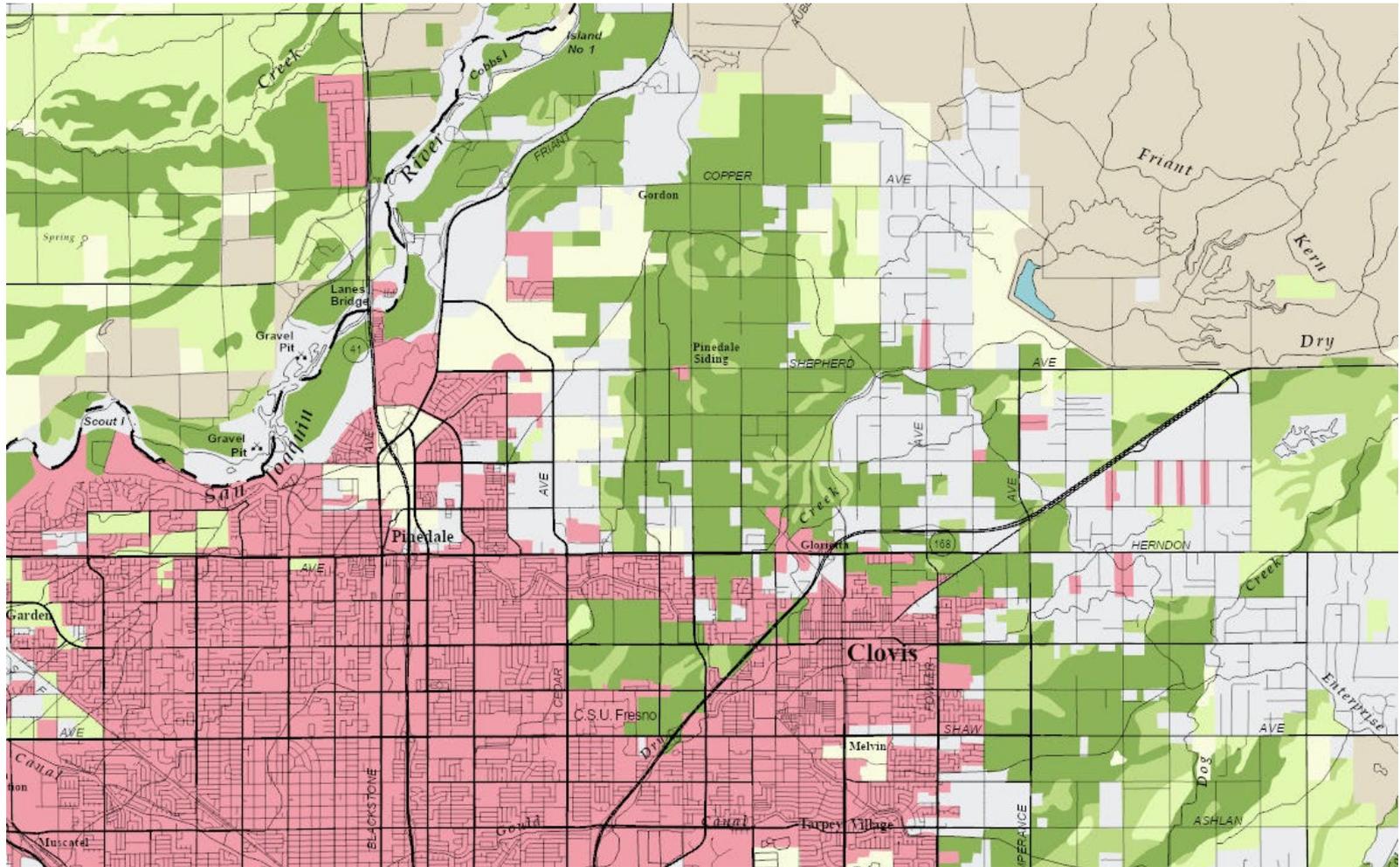


Bakersfield, Kern County 2022

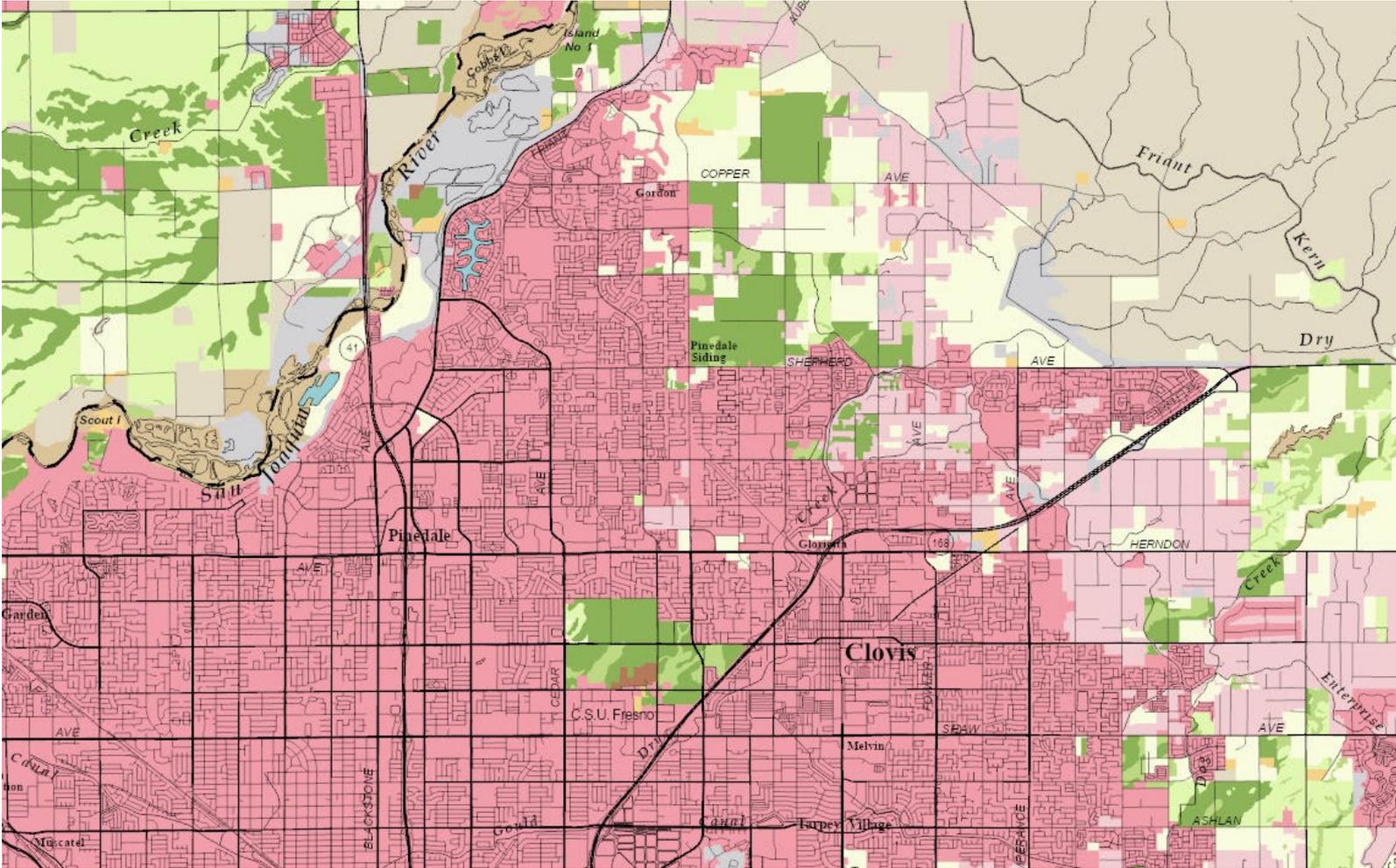




Clovis, Fresno County 1984

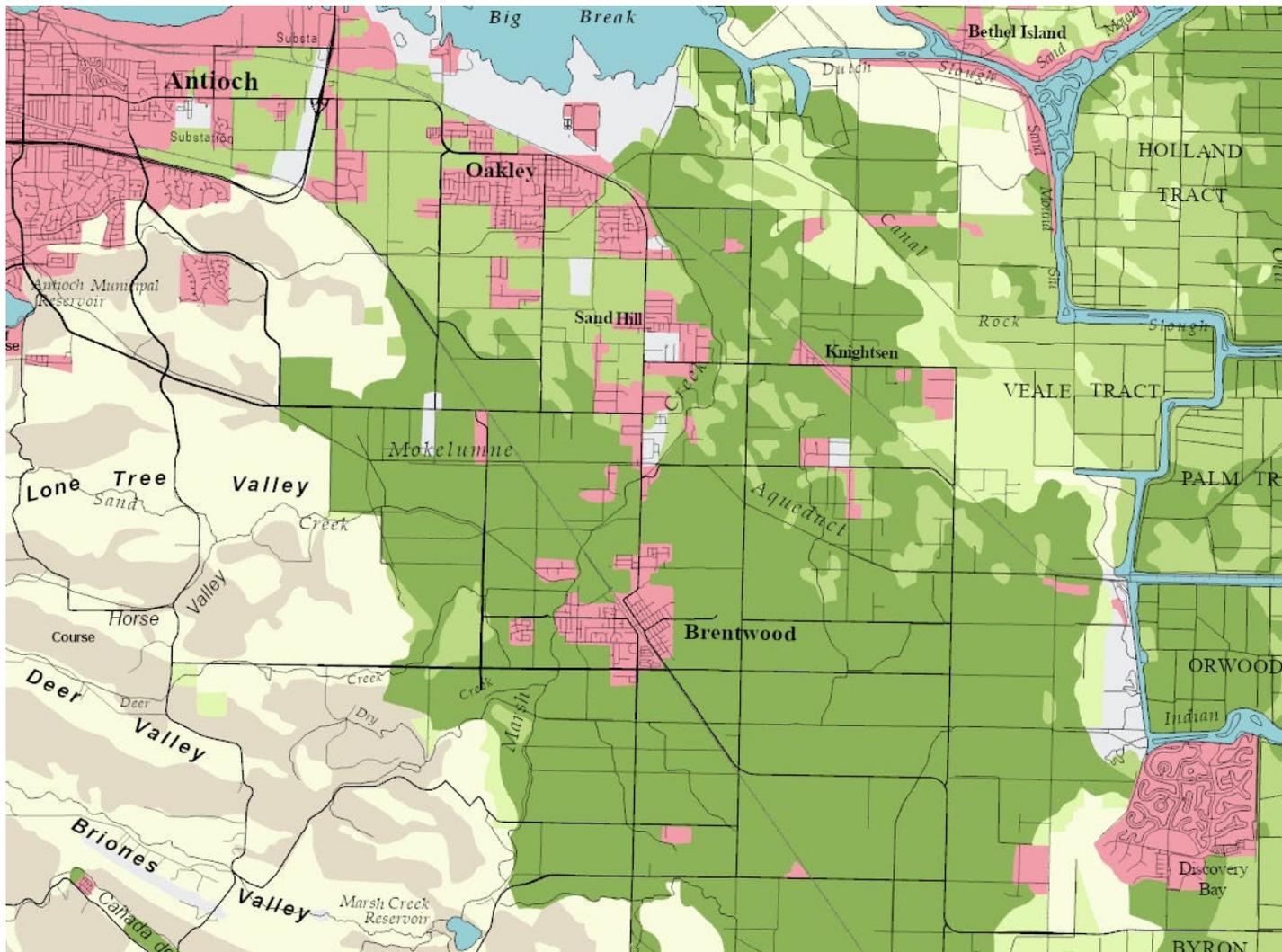


Clovis, Fresno County 2022

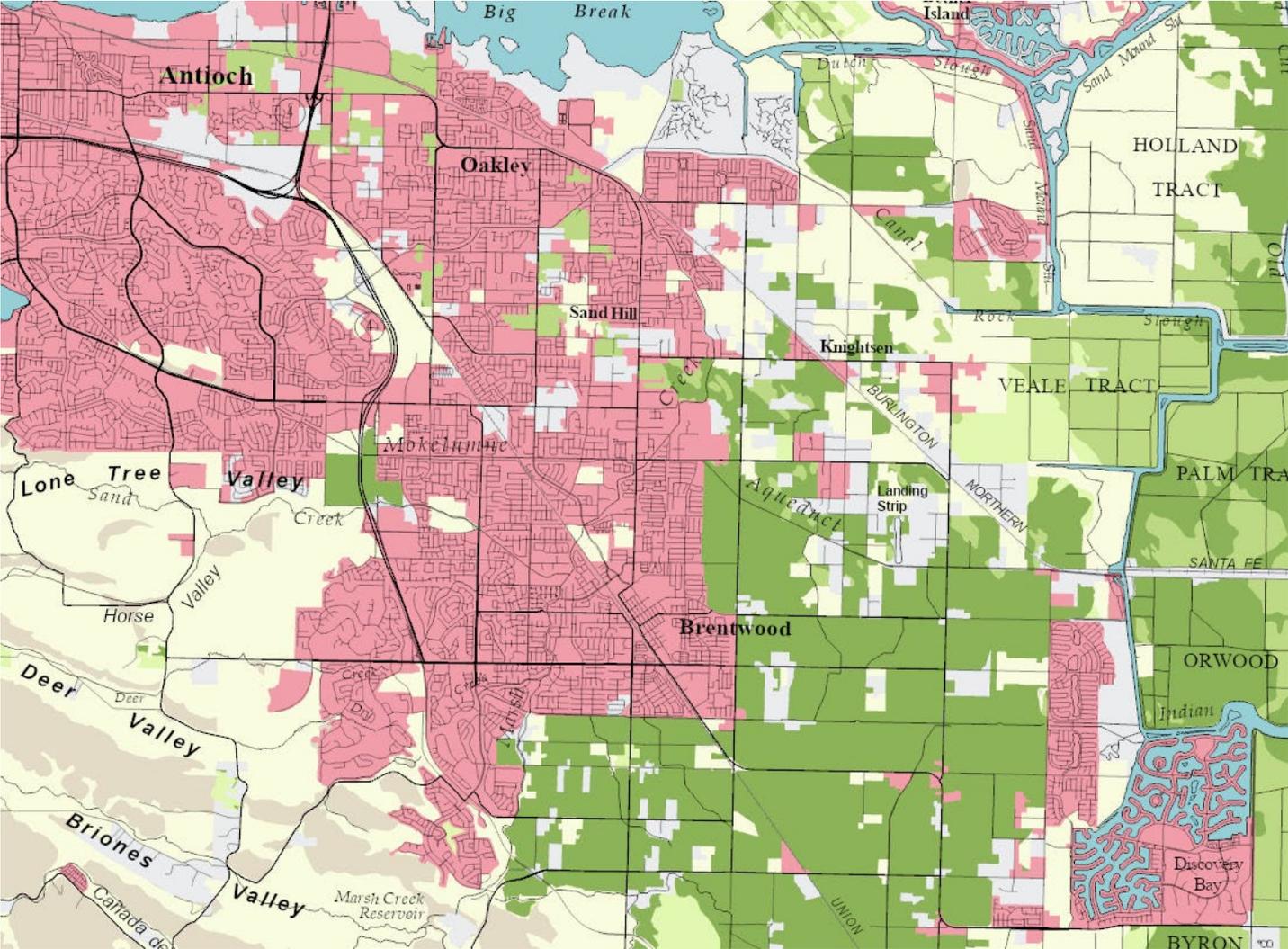




Brentwood, Contra Costa County 1984

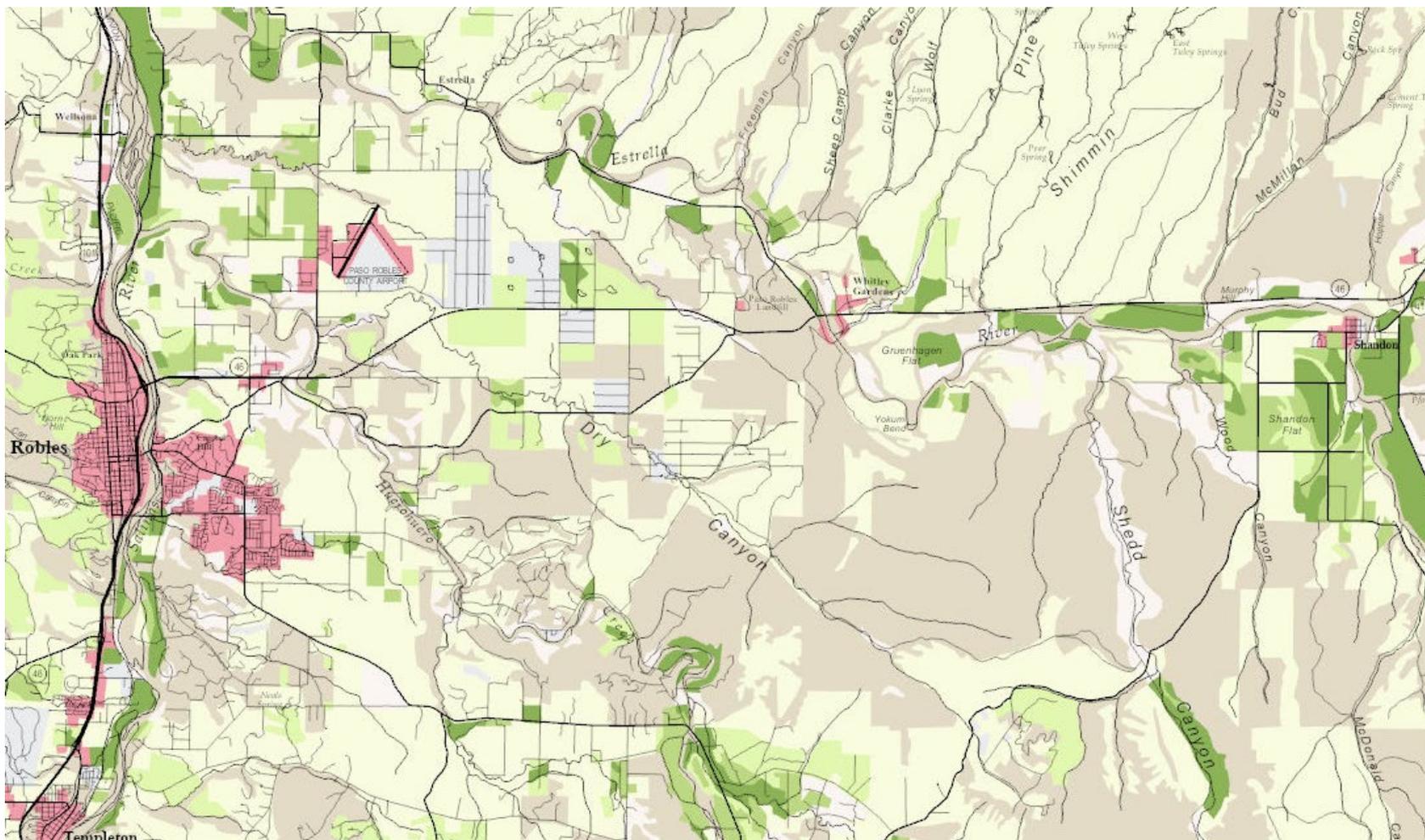


Brentwood, Contra Costa County 2022

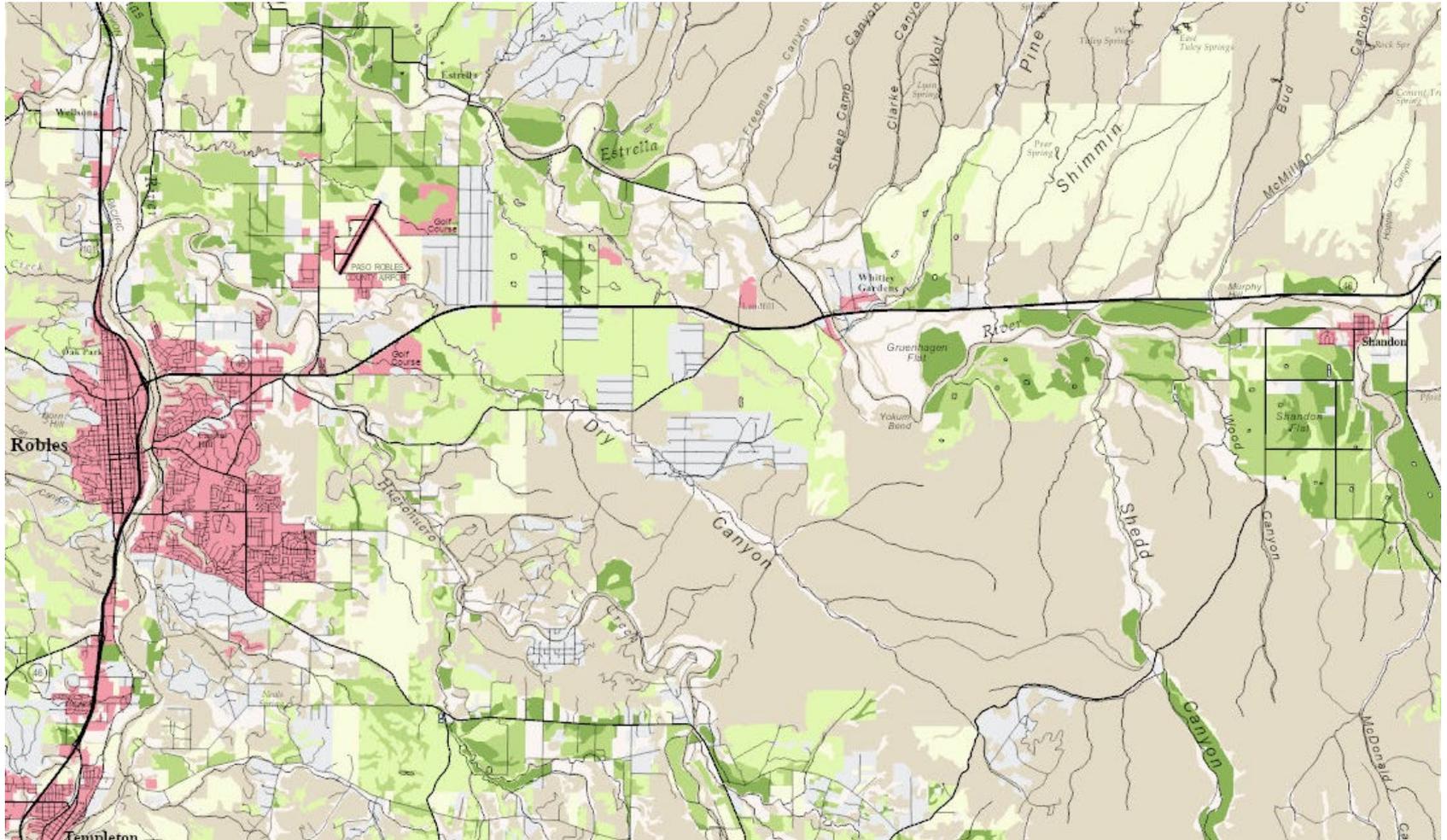




Paso Robles, San Luis Obispo County 1988

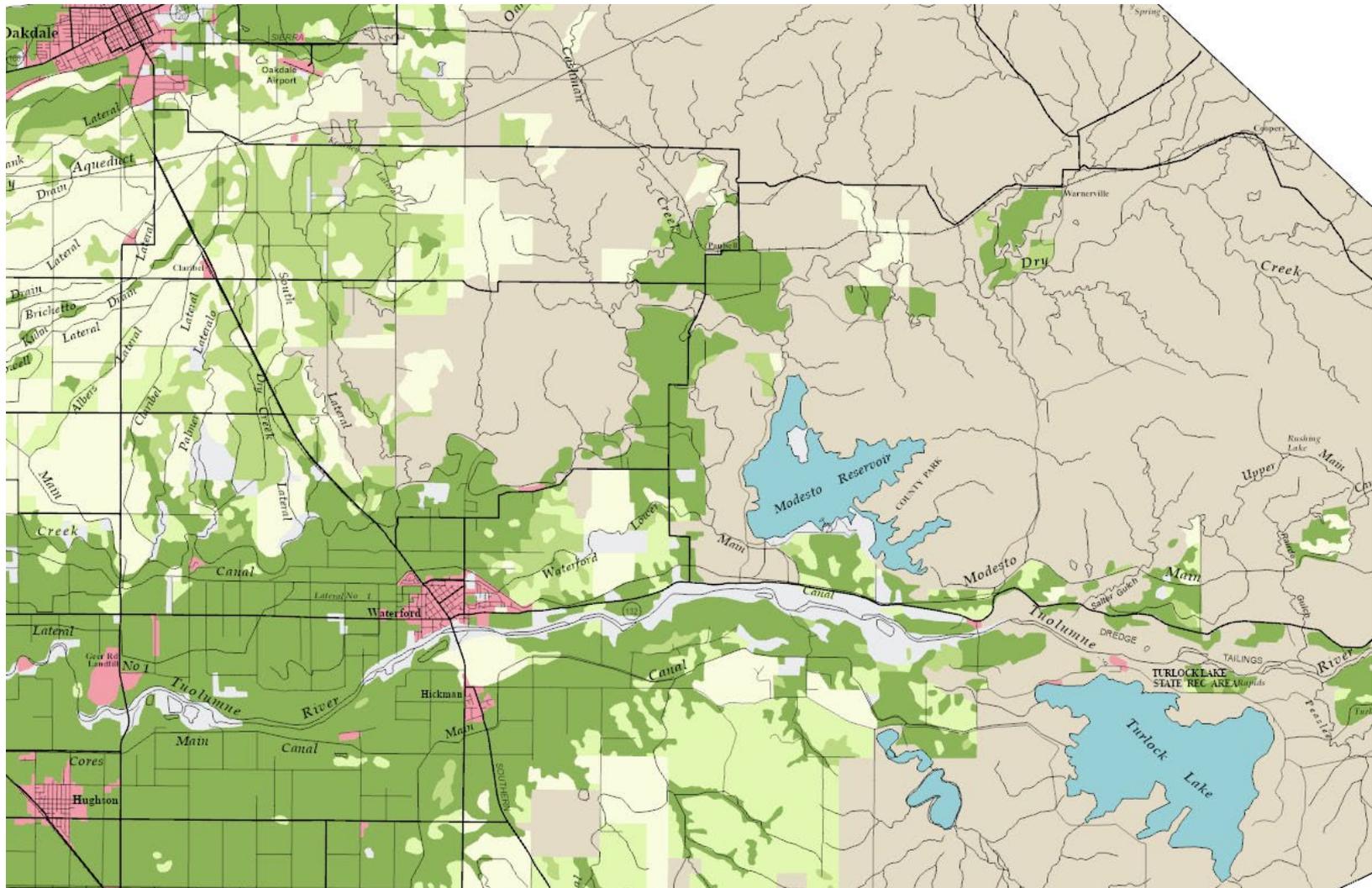


Paso Robles, San Luis Obispo County 2020

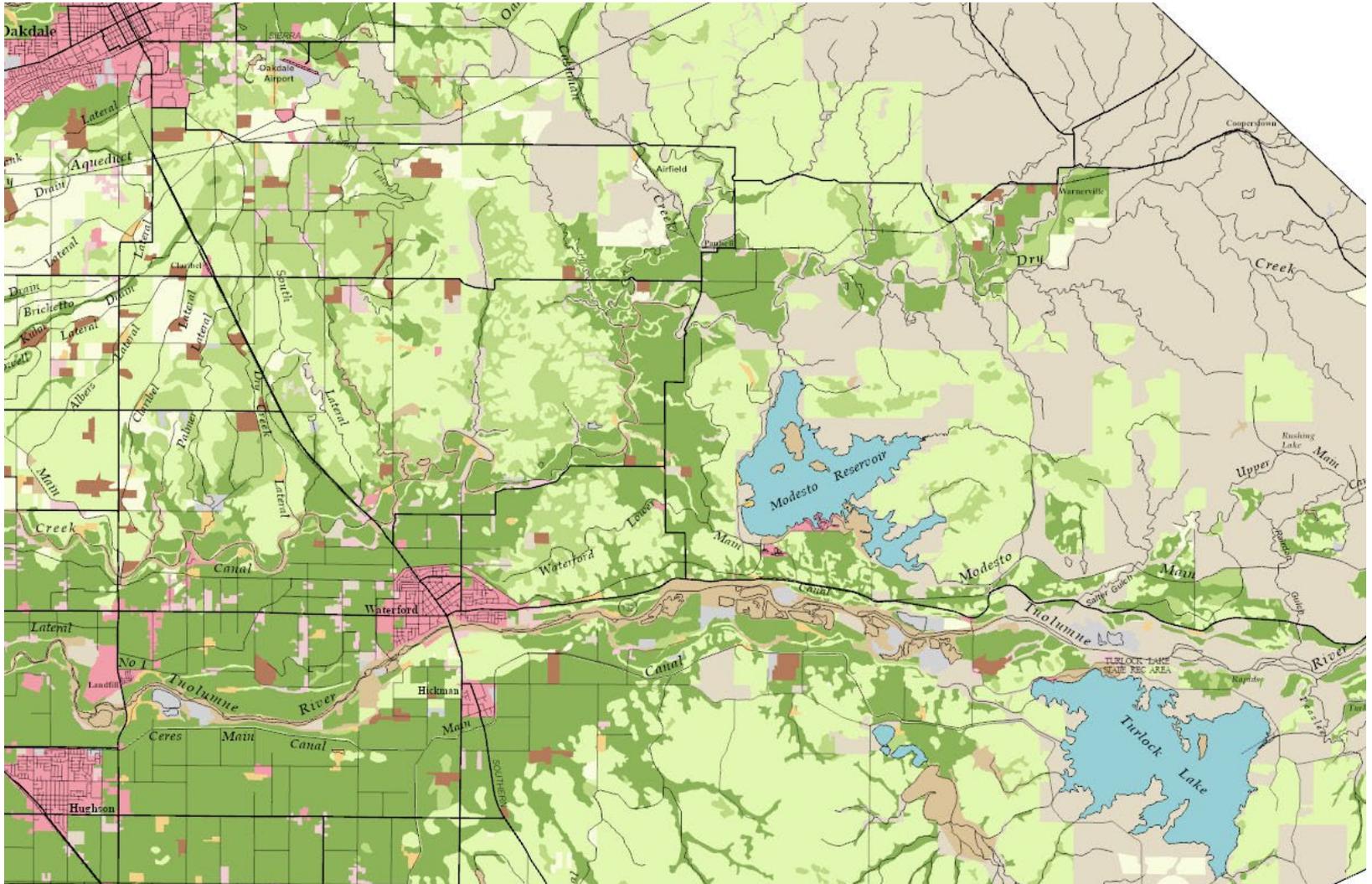




Eastern Stanislaus County 1984

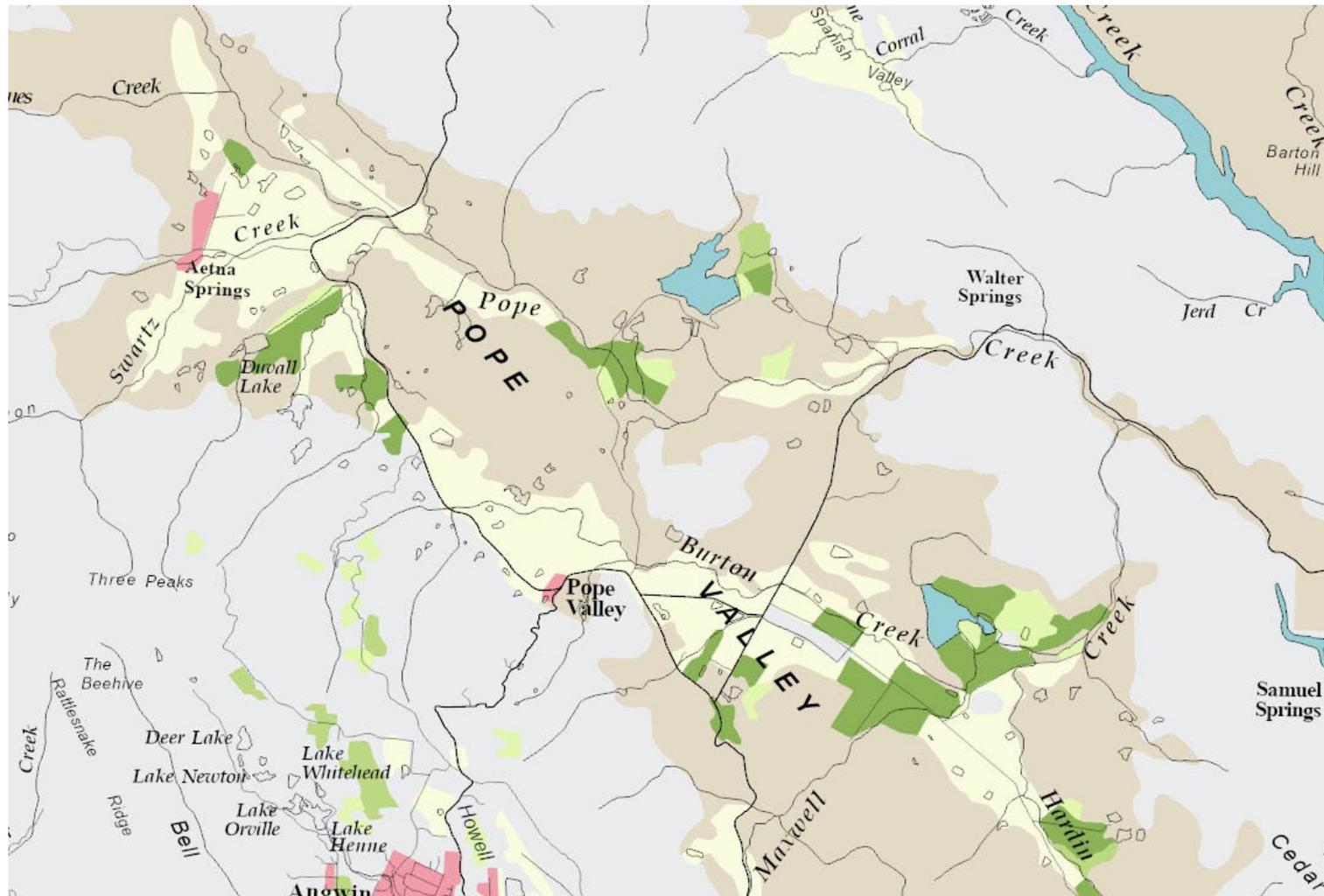


Eastern Stanislaus County 2022

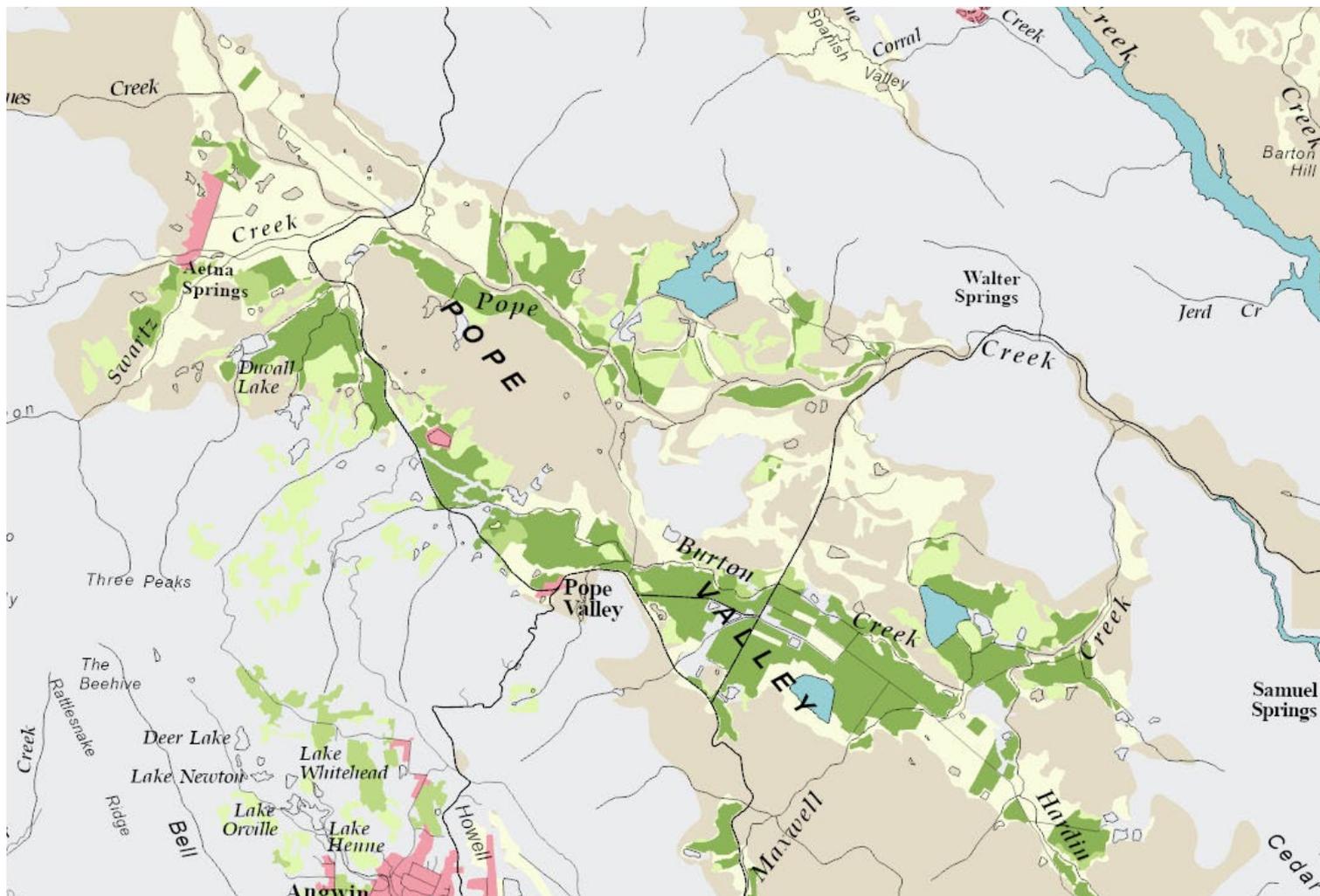




Pope Valley, Napa County 1984



Pope Valley, Napa County 2022





Farmland Mapping & Monitoring Program

<https://www.conservation.ca.gov/dlrp/fmmp>
fmmp@conservation.ca.gov



Photo: M. Kisko



References

U.S. Department of Agriculture, Natural Resources Conservation Service, Gridded Soil Survey Geographic (gSSURGO) Database.

<https://www.nrcs.usda.gov>

U.S. Department of Agriculture, Farm Services Agency, National Agricultural Imagery Program.

<https://www.fsa.usda.gov>



Photo: M. Kisko