

California State Training Module –

For Technical Service Providers (TSPs) seeking
certification as conservation planners in
California (CA)

Purpose of this Module

This module provides general information that will help TSPs conduct conservation planning in California. TSPs may need to follow up with additional reading or training to make sure they have the knowledge, skill, licenses and certifications to conduct conservation planning in California.

State license, registration or certification requirements (Conservation Activity Plans and Comprehensive Nutrient Management Plans)*

Practice	Practice Code	Requirement	Note
Agricultural Energy Management Plan (AEMP)	CAP 128	Professional Engineer (PE)	1
Comprehensive Nutrient Management Plan (CNMP) – Manure and Wastewater Handling	CAP 102	Professional Engineer (civil) license (PE-C)	2
Forest Management Plan	CAP 106	Registered Professional Forester (RPF)	3
Grazing Management Plan	CAP 110	Certified Range Manager (CRM)	4

*Practices may include installation of structures or vegetation (structural or vegetative practices), instruction and assistance to a cooperator in changes to management (management practices), or planning practices (Conservation Activity Plans and Comprehensive Nutrient Management Plans). Due to the large number of structural and vegetative practices, only planning and management practices are listed here.

Many structural practices in California require a PE (civil) license, or registration as a Professional Forester. Some vegetative practices require registration as a Professional Forester or certification as a Range Manager.

A CA NRCS TSP coordinator or CA NRCS state technical specialist should be contacted regarding licensing or other certification requirements for structural or vegetative practices. Contact information for CA NRCS TSP coordinators and state technical specialists are provided below in the presentation.

State license, registration or certification requirements (management practices)*

Practice	Code	Requirement	Note
Building Envelope Improvement	672	PE	5
Drainage Water Management	554	PE-C	6
Lighting System Improvement	670	PE	5
Forest Stand Improvement	666	RPF	3
Farmstead Energy Improvement	374	PE	5
Prescribed Burning	338	RPF & Red Card – for forestlands only	7
Prescribed Forestry	409	RPF	3
Prescribed Grazing	528	CRM	4
Restoration and Management of Declining Habitats	643	RPF – for forestlands only	3
Shallow Water Development and Management	646	PE-C	6
Stream Habitat Improvement and Management	395	PE-C	6

State license, registration or certification requirements, continued - Notes

Note	Requirement	Explanation
1	PE - AEMP	For Agricultural Energy Management Plan (CAP Plan 128, possession of a valid state PE provides the most common pathway towards establishing eligibility to conduct this practice as a TSP.
2	PE-C, CNMP: M&WH	By NRCS policy, Comprehensive Nutrient Management Plans require four signatures, to verify technical standards have been met for various parts of the overall plan. One of those, the Manure and Wastewater Handling component, requires the signer to have a valid CA PE-C license.
3	Registered Professional Forester	Due to environmental sensitivities in California, including erosion control, water quality and fish habitat, Registration as a Professional Forester (RPF) is required the California Board of Forestry for many activities on privately owned forestlands, including some management and planning practices. Link to RPF information: http://bofdata.fire.ca.gov/professional_foresters_registration/
4	Certified Range Manager	Certification by the Board of Forestry as a Range Manager is required for several vegetative, management and vegetative practices on rangelands intermingled with forest and woodlands in California. Link to information regarding CRM: http://www.bof.fire.ca.gov/professional_foresters_registration/rpf_and_crm_examinations/ .
5	Professional Engineer	A state professional engineer's (PE) license is required for several energy conservation related practices. California state engineers licensing authority: http://www.bpelsg.ca.gov/applicants/
6	Professional Engineer - Civil	Due to earthquake hazard in California, a Civil Engineer's license (PE-C) is required for several structural practices, including some management and planning practices that may lead to detailed design specifications. See Note 1 link to state engineers licensing authority.
7	RPF – Red Card	The State of California has requirements for the responsible party of a controlled burn: Current registration as a Professional Forester, and current certification by Calfire or another agency as properly trained in fire management, the 'redcard.' Information link: http://www.firefighternation.com/article/wildland-urban-interface/red-cards-wildland-firefighting .

Some State of California laws or concerns, significant for conservation planning:

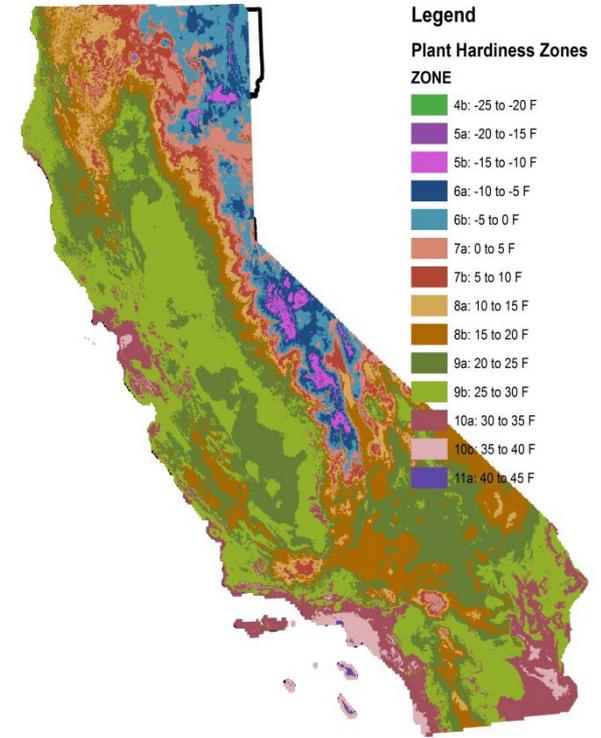
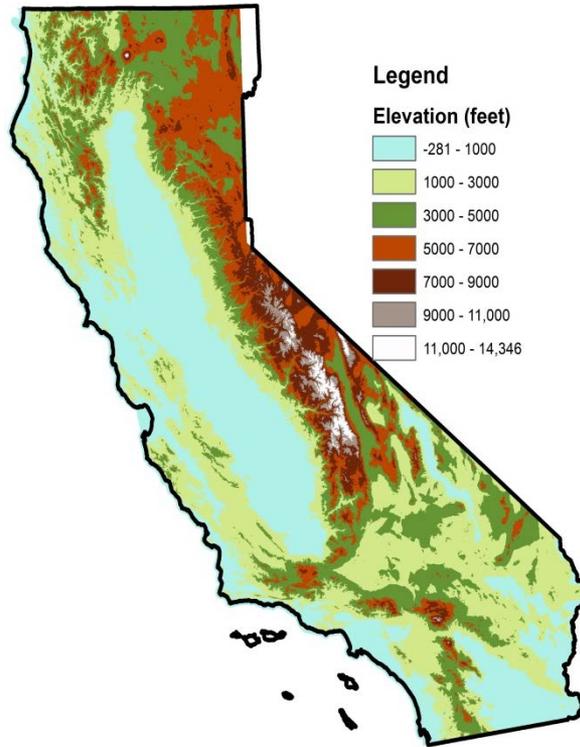
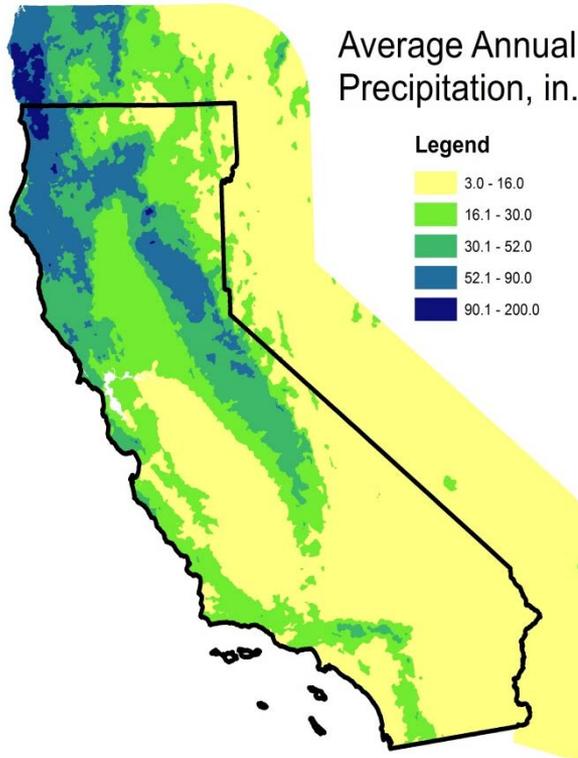
- California Environmental Quality Act: <http://resources.ca.gov/ceqa/>
- California Forest Practice Rules:
<http://fire.ca.gov/about/downloads/ForestPractice.pdf>
- Groundwater Management Act: <http://www.water.ca.gov/groundwater/>
- California Coastal Commission: <http://www.coastal.ca.gov/index.html>
- Environmental Justice: <http://www.calepa.ca.gov/EnvJustice/>
- Land Conservation Act:
<http://www.conservation.ca.gov/dlrp/lca/Pages/Index.aspx>
- Species of Special Concern in California:
<http://www.dfg.ca.gov/wildlife/nongame/>
- Tricolored Blackbird: <http://tricolor.ice.ucdavis.edu/>

California laws or concerns, continued, water quality-specific:

- Porter-Cologne Water Quality Control Act: http://www.swrcb.ca.gov/laws_regulations/
- Irrigated Lands Regulatory Program:
http://www.swrcb.ca.gov/water_issues/programs/agriculture/
- Sediment assessment report:
http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/monitoring_plans_reports_reviews/assessment_reports/coalitions/east_sanjoaquin_waterquality/sde_assess_rpt_2014jan13.pdf
- Groundwater assessment report:
http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/monitoring_plans_reports_reviews/assessment_reports/coalitions/east_sanjoaquin_waterquality/2014_1105_esjwqc_gar_addendum.pdf
- (water quality) Dairy Order:
http://www.waterboards.ca.gov/rwqcb5/board_decisions/adopted_orders/general_orders/r5-2013-0122.pdf
- Grazing Regulatory Action Project:
http://www.waterboards.ca.gov/water_issues/programs/nps/docs/grap_factsheet.pdf

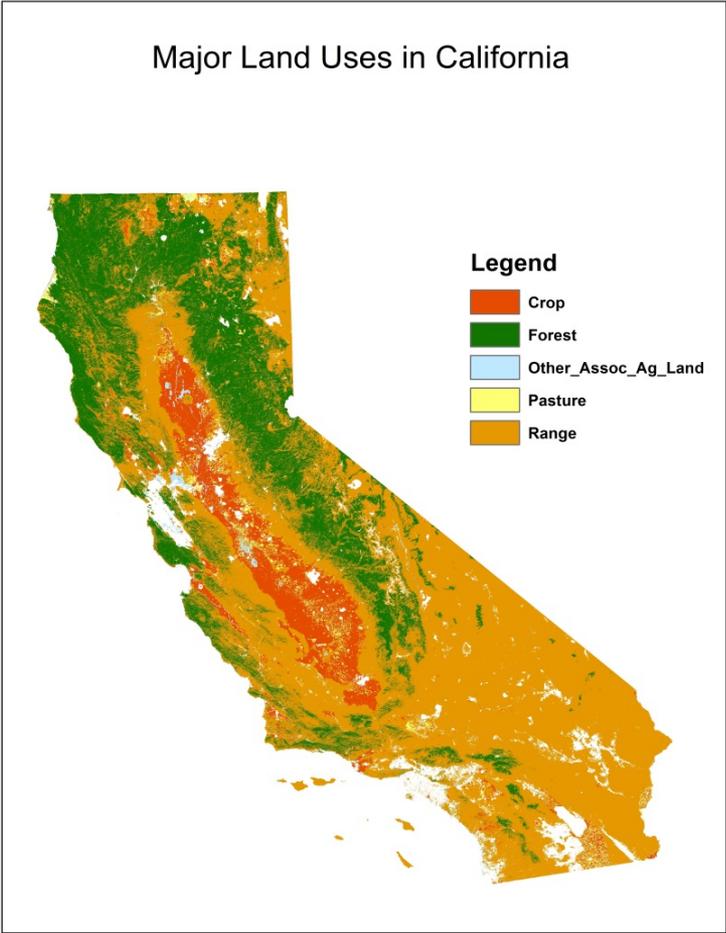
General environmental information:

- California's climate: http://www.dfg.ca.gov/biogeodata/atlas/pdf/clim_12b_web.pdf

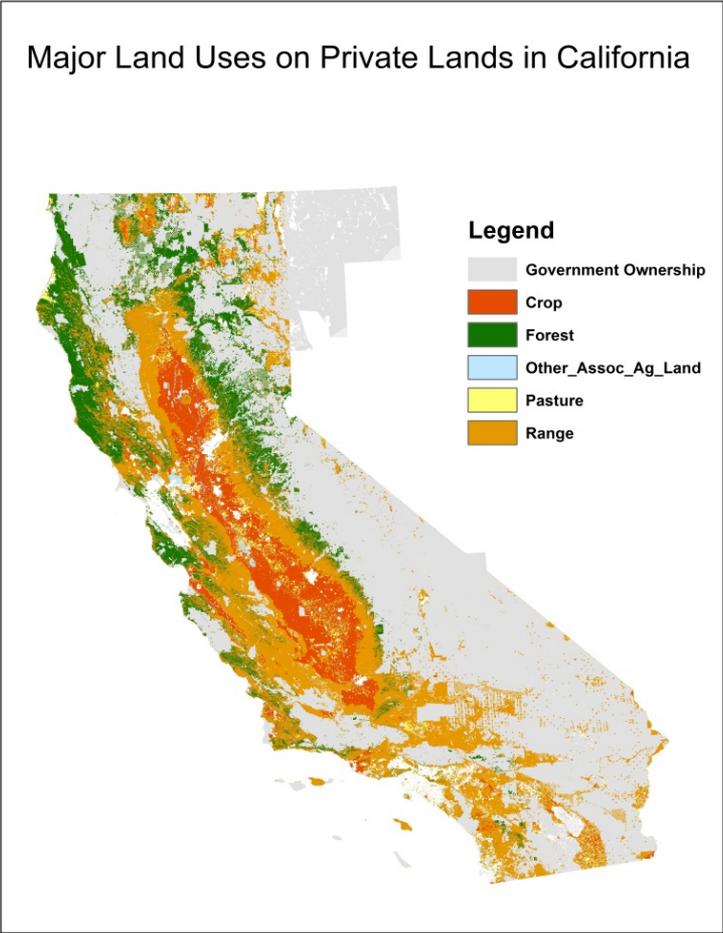


Land Ownership and Use

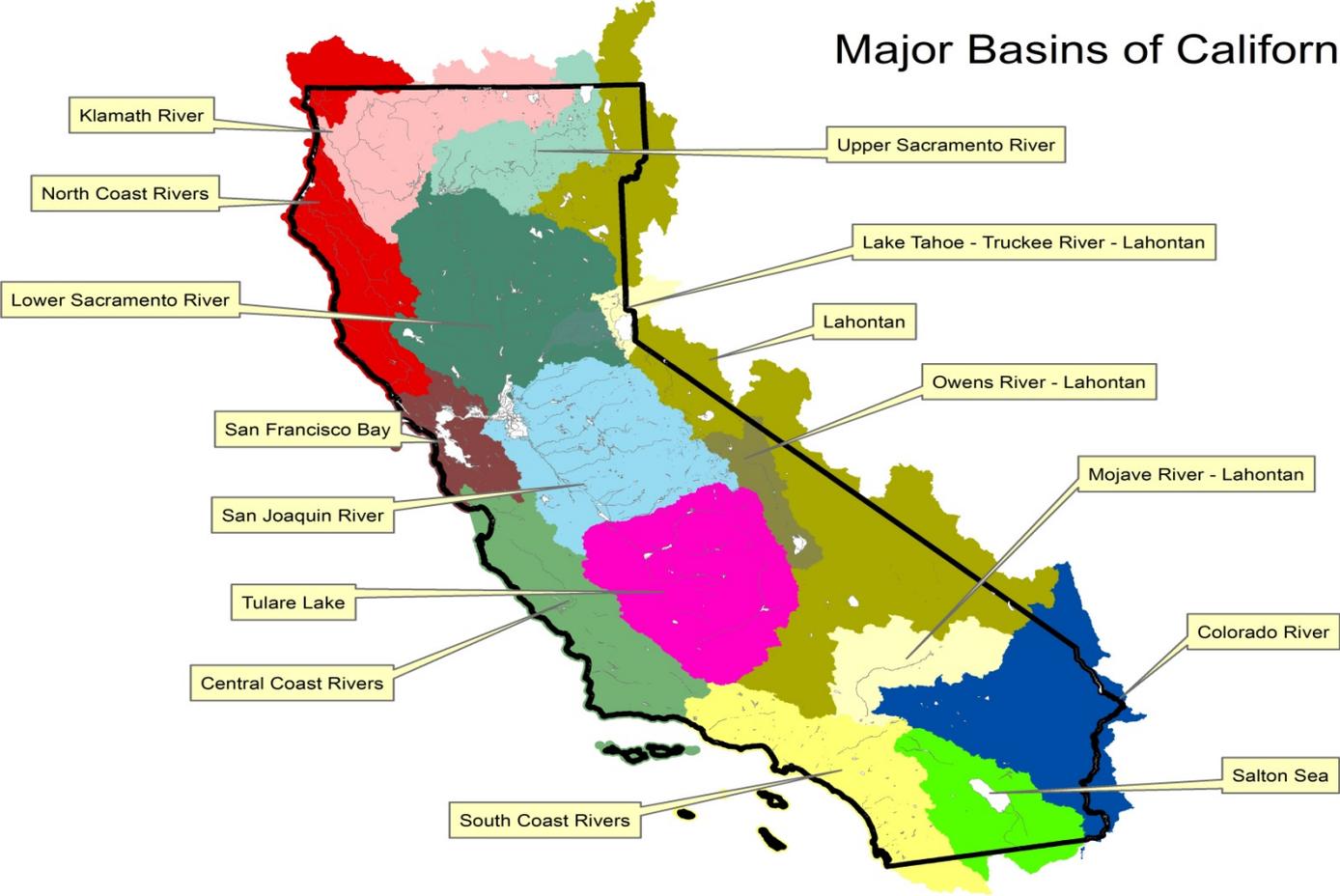
Major Land Uses in California



Major Land Uses on Private Lands in California

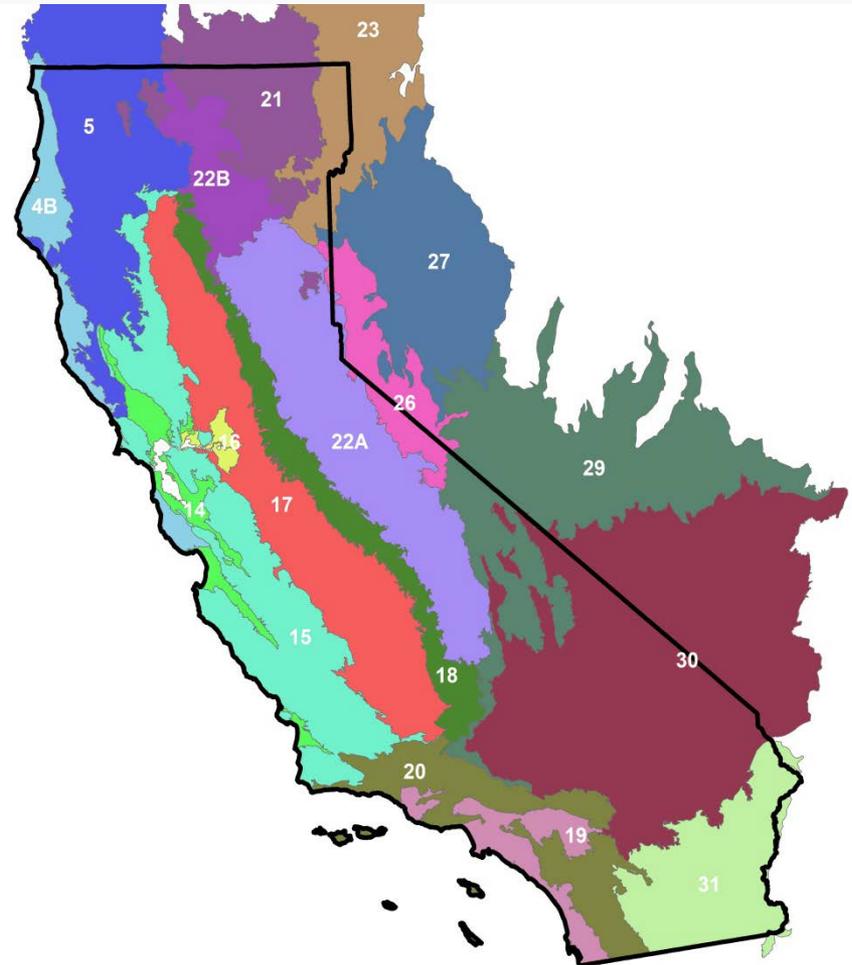


Major Basins of California



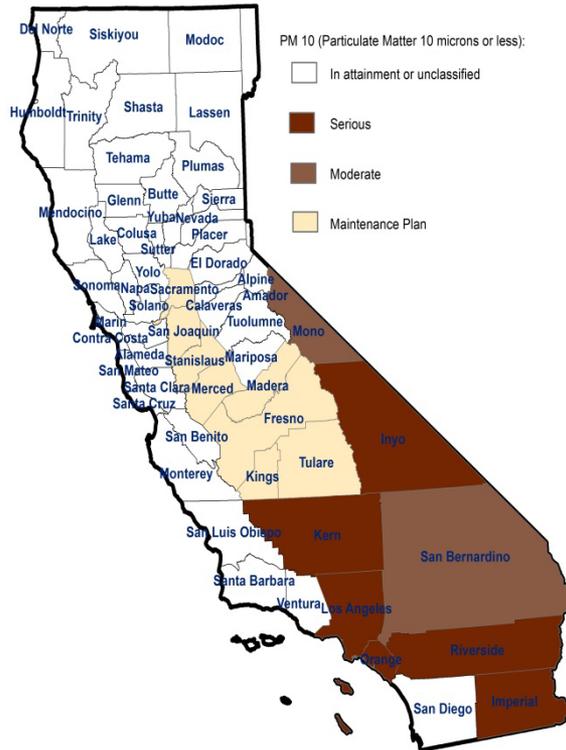
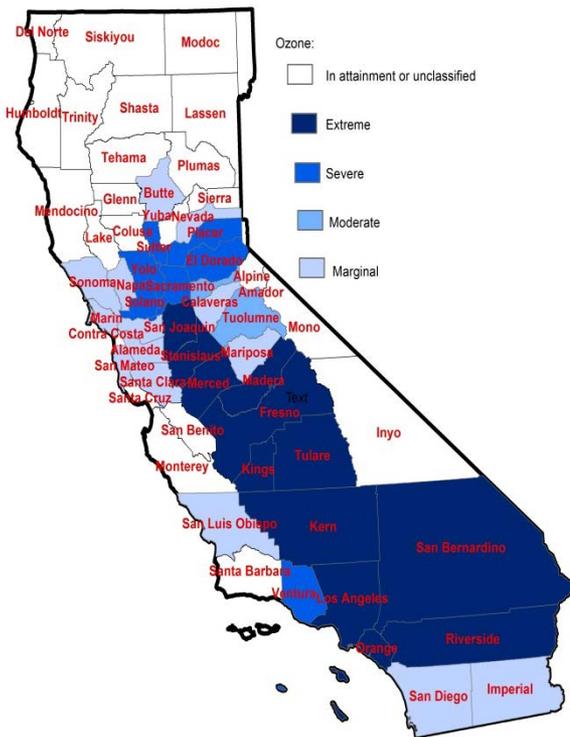
Major Land Resource Areas in CA

Symbol	Name
4B	Coastal Redwood Belt
5	Siskiyou-Trinity Area
14	Central California Coastal Valleys
15	Central California Coast Range
16	California Delta
17	Sacramento and San Joaquin Valleys
18	Sierra Nevada Foothills
19	Southern California Coastal Plain
20	Southern California Mountains
21	Klamath and Shasta Valleys and Basins
22A	Sierra Nevada Mountains
22B	Southern Cascade Mountains
23	Malheur High Plateau
26	Carson Basin and Mountains
27	Fallon-Lovelock Area
29	Southern Nevada Basin and Range
30	Mojave Desert
31	Lower Colorado Desert



Agricultural Air Quality Planning Criteria

- Based on 2015 (CA) National Air Quality EQIP Initiative Program Description (and EPA Greenbook: <http://www.epa.gov/oar/oaqps/greenbk/ancl.html%23CALIFORNIA>)



2010 USEPA 303(d)
(Clean Water Act) List
of Impaired Waterbodies

Legend

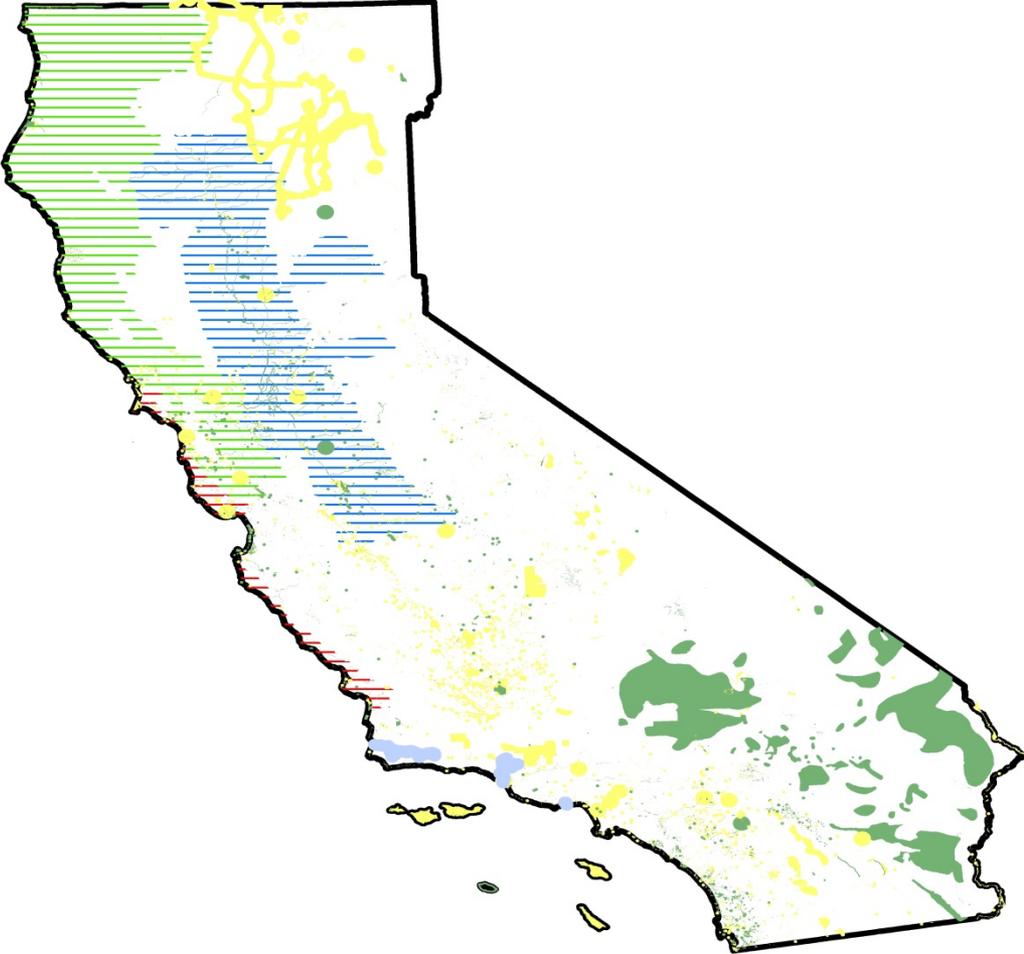
- Impaired stream segments
- Impaired water bodies



Habitat of species
listed under the
federal endangered
species act, or
essential fish habitat

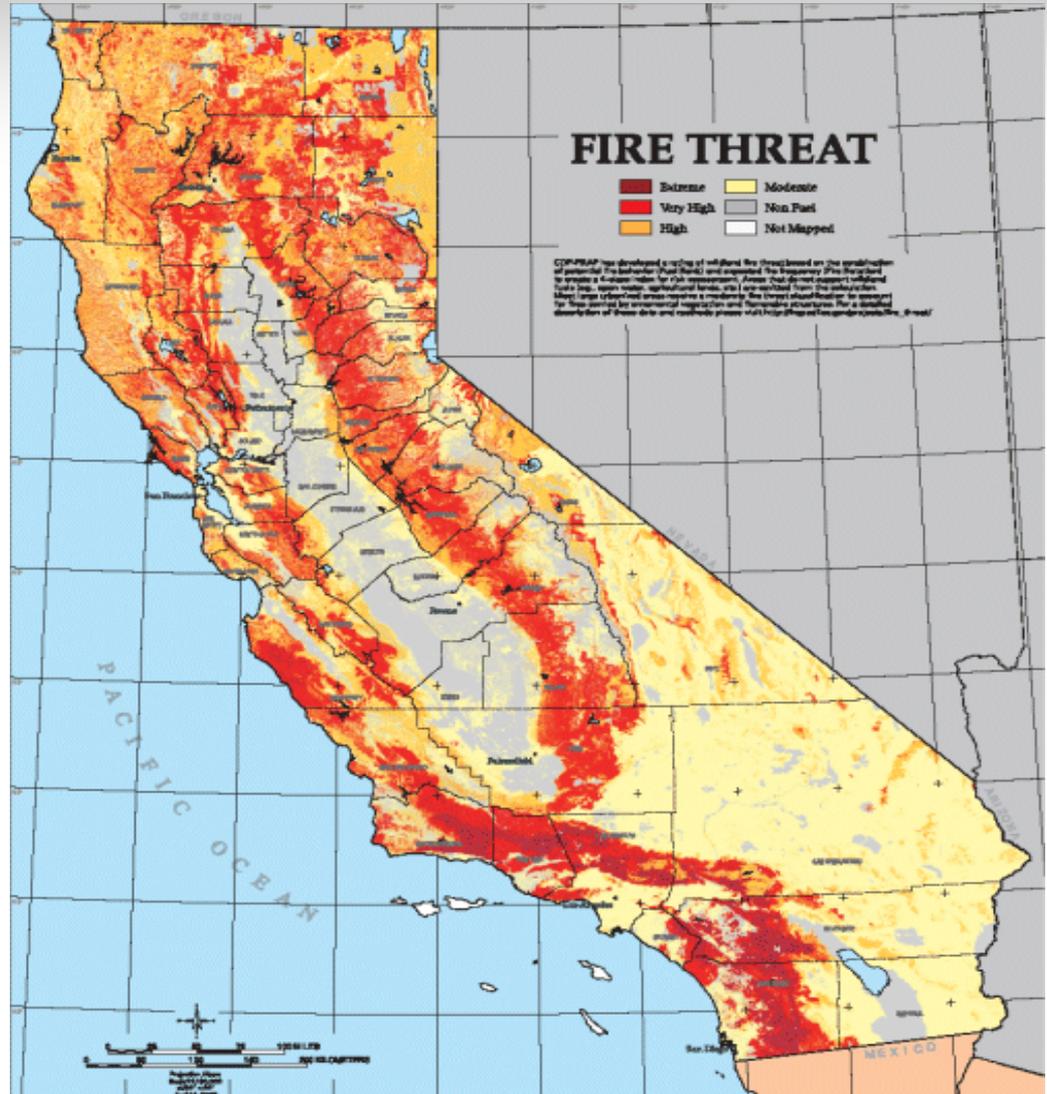
Legend

-  Southern California Steelhead Stream
-  Federal: Endangered
-  Federal: Threatened
-  Chinook Essential Fish Habitat (EFH)
-  Chinook and Coho EFH
-  Coho EFH



- Source:

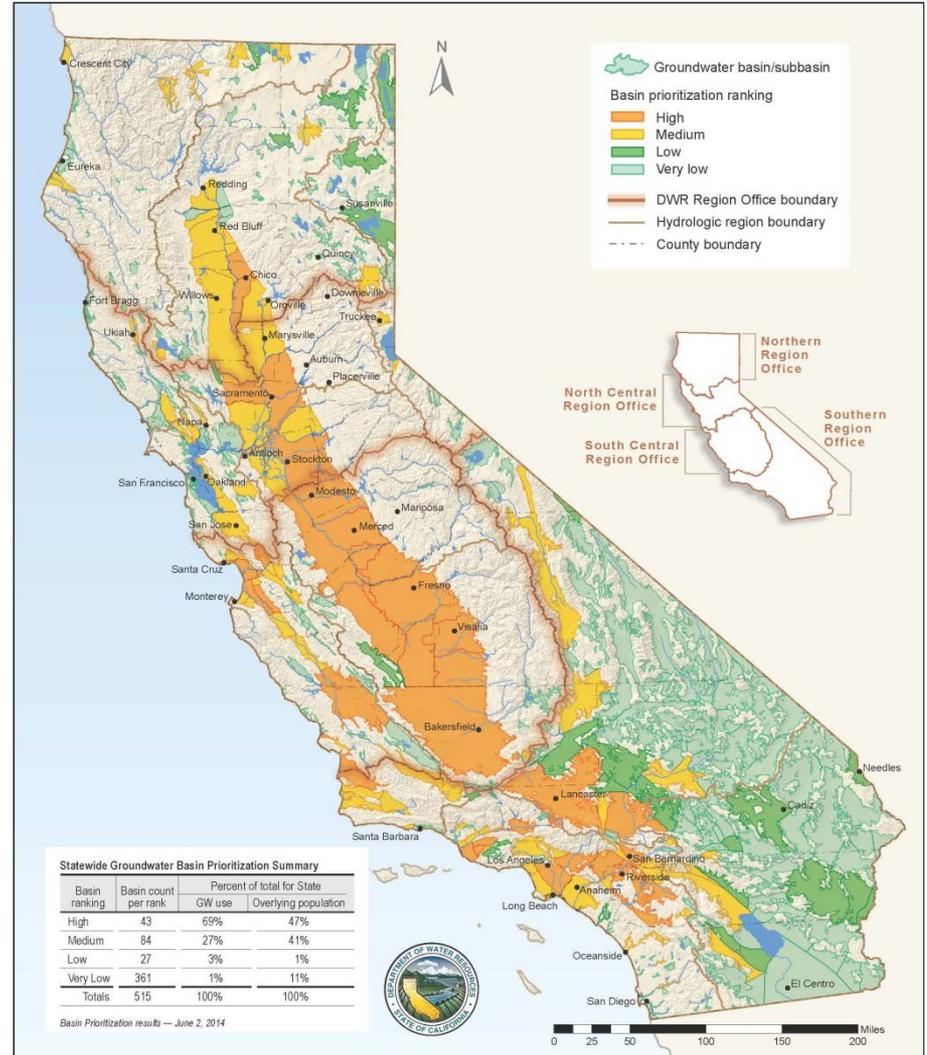
<http://frap.cdf.ca.gov/>



CASGEM Groundwater Basin Prioritization

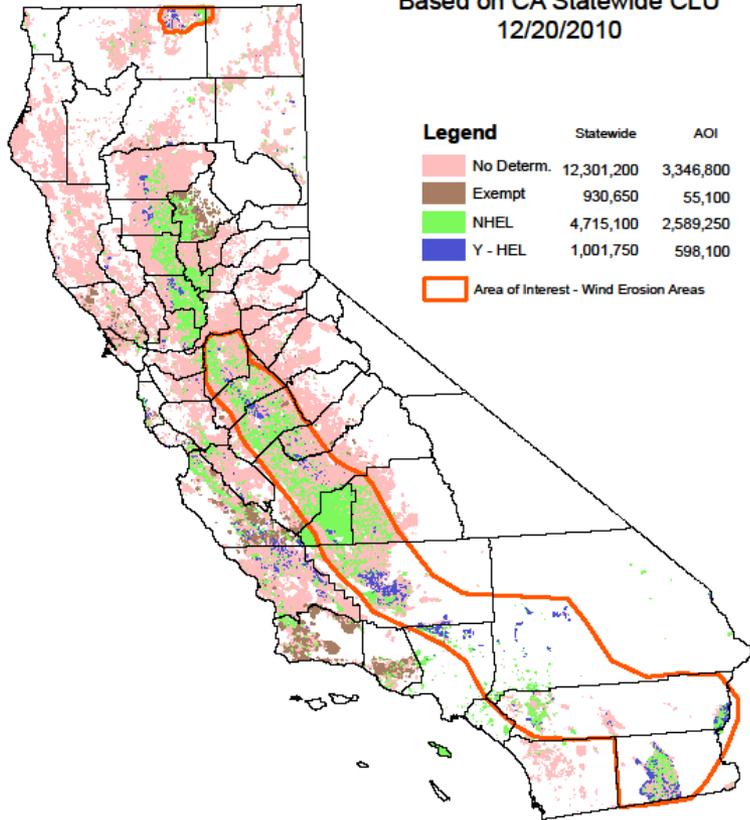
- Source:

<http://www.water.ca.gov/groundwater/casgem/basin/prioritization.cfm>



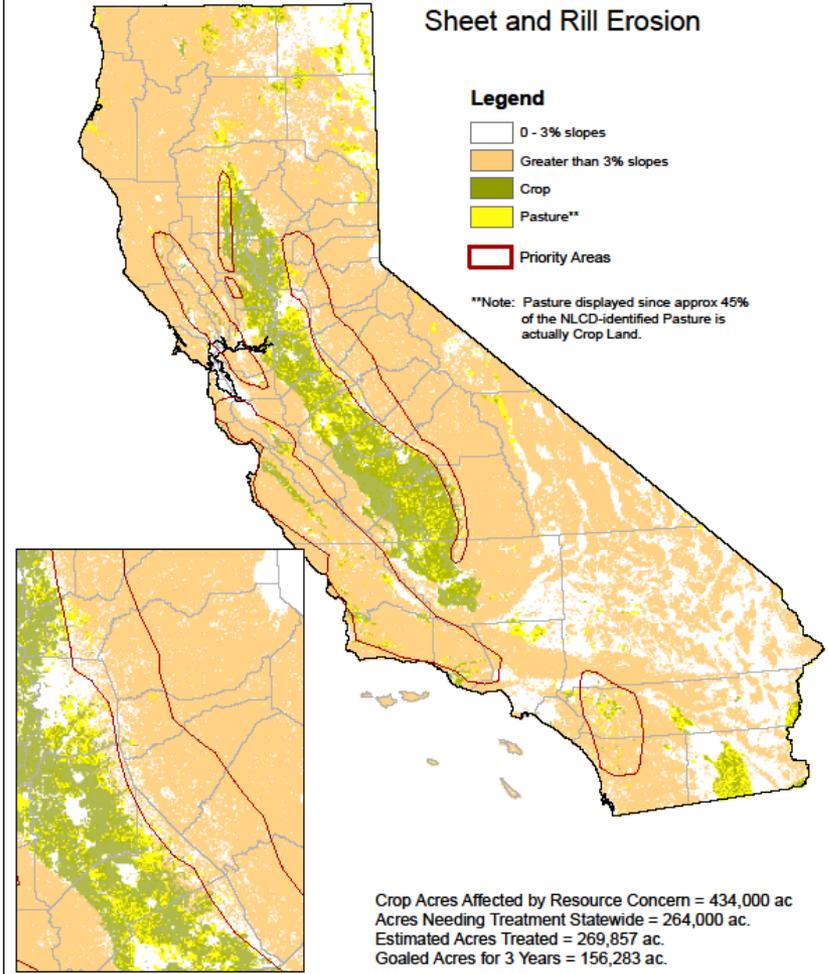
HEL Categories

Based on CA Statewide CLU
12/20/2010



Crop

Soil Erosion Sheet and Rill Erosion

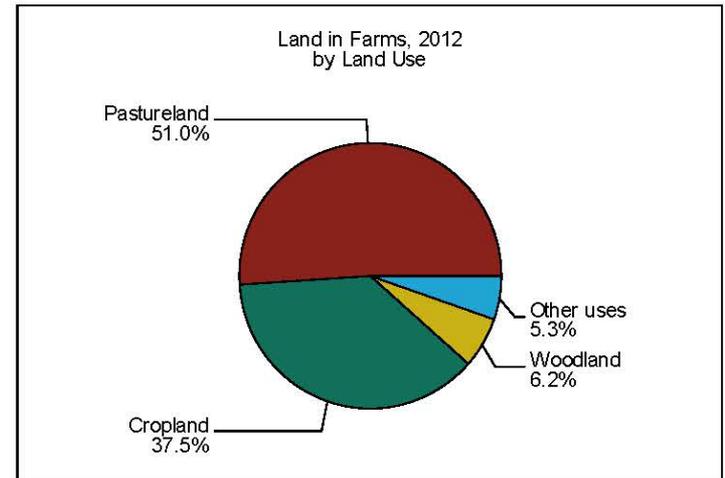
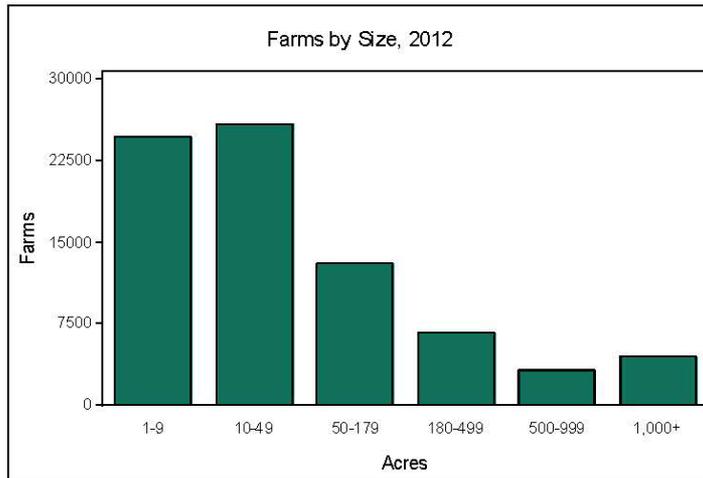


General Social and Economic Information:



California

	2012	2007	% change
Number of Farms	77,857	81,033	- 4
Land in Farms	25,569,001 acres	25,364,695 acres	+ 1
Average Size of Farm	328 acres	313 acres	+ 5
Market Value of Products Sold	\$42,627,472,000	\$33,885,064,000	+ 26
Crop Sales \$30,366,898,000 (71 percent)			
Livestock Sales \$12,260,574,000 (29 percent)			
Average Per Farm	\$547,510	\$418,164	+ 31
Government Payments	\$146,919,000	\$240,242,000	- 39
Average Per Farm Receiving Payments	\$19,349	\$32,273	- 40



Other State Highlights, 2012

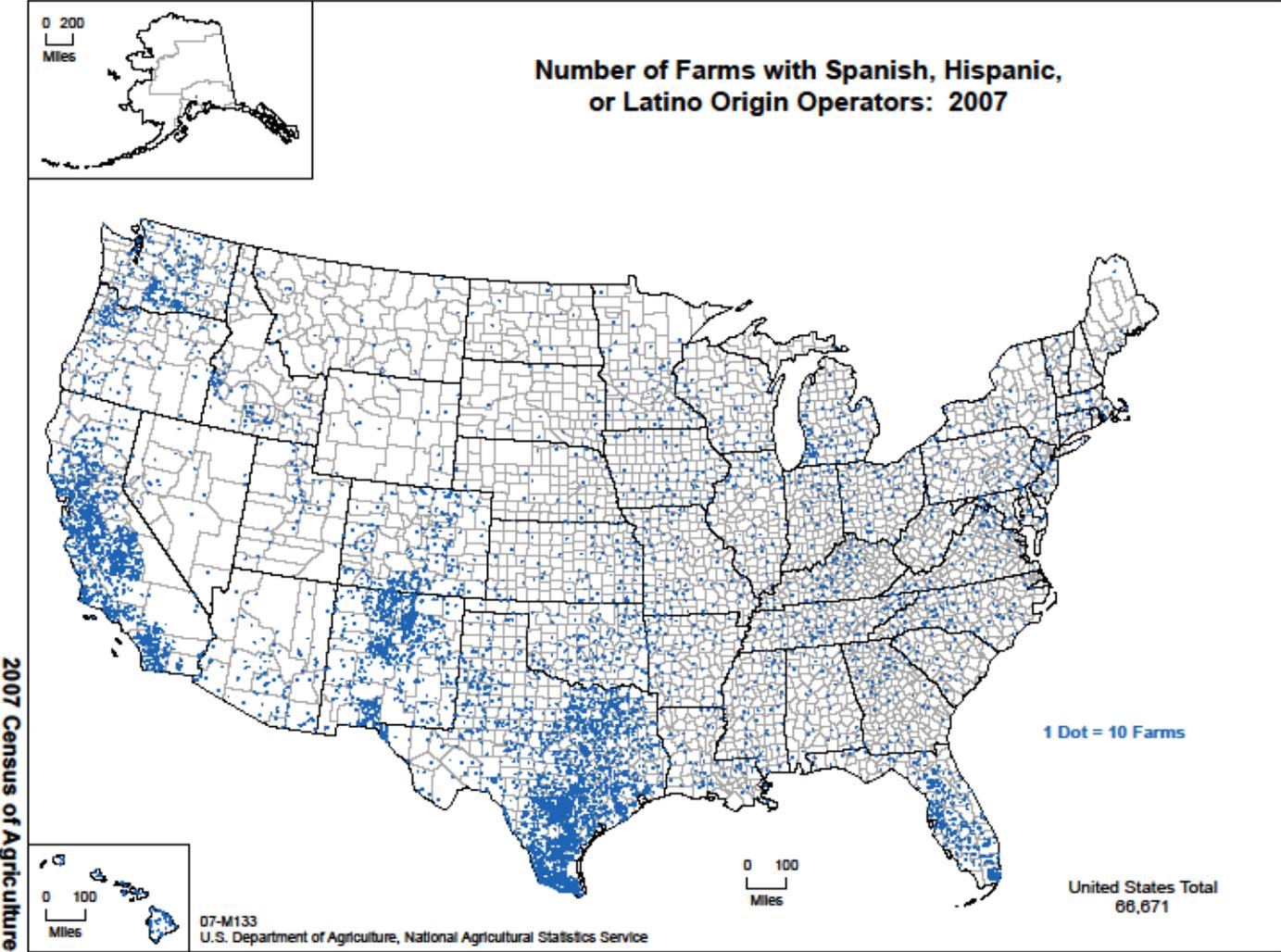
Economic Characteristics	Quantity
Farms by value of sales:	
Less than \$1,000	15,396
\$1,000 to \$2,499	4,590
\$2,500 to \$4,999	5,736
\$5,000 to \$9,999	7,718
\$10,000 to \$19,999	7,455
\$20,000 to \$24,999	2,682
\$25,000 to \$39,999	4,780
\$40,000 to \$49,999	2,263
\$50,000 to \$99,999	6,679
\$100,000 to \$249,999	6,922
\$250,000 to \$499,999	4,117
\$500,000 or more	9,519
Total farm production expenses (\$1,000)	35,455,667
Average per farm (\$)	455,395
Net cash farm income of operation (\$1,000)	8,523,285
Average per farm (\$)	109,474

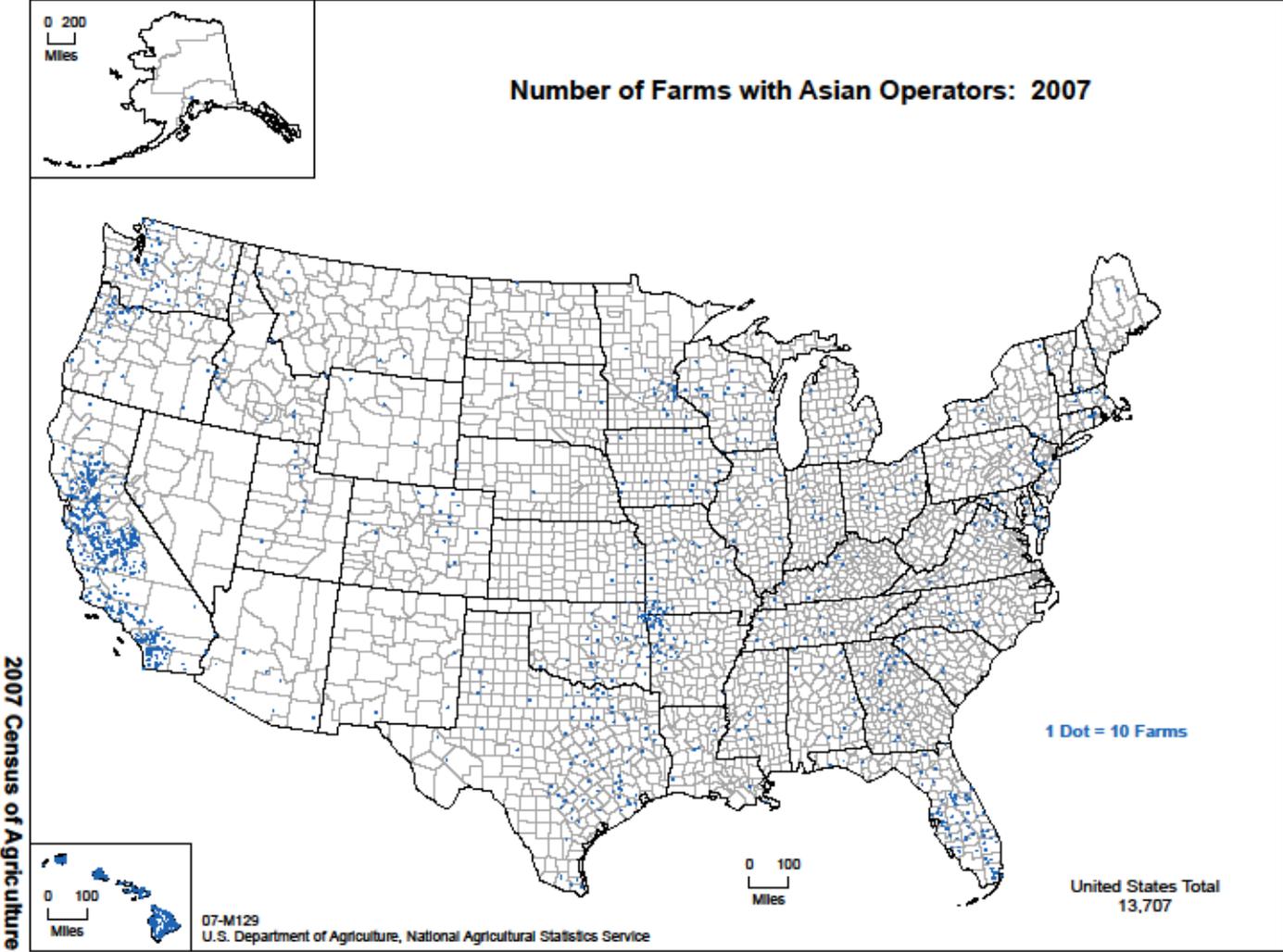
Operator Characteristics	Quantity
Principal operators by primary occupation:	
Farming	42,469
Other	35,388
Principal operators by sex:	
Male	63,873
Female	13,984
Average age of principal operator (years)	60.1
All operators by race ² :	
American Indian or Alaska Native	1,761
Asian	7,474
Black or African American	526
Native Hawaiian or Other Pacific Islander	455
White	111,141
More than one race	1,030
All operators of Spanish, Hispanic, or Latino Origin ²	15,123

See "Census of Agriculture, Volume 1, Geographic Area Series" for complete footnotes, explanations, definitions, and methodology.

- Represents zero.

¹ Universe is number of states in U.S. with item. ² Data were collected for a maximum of three operators per farm.





Working with minority producers:

- California has relatively large numbers of Hispanic and Asian agricultural producers (see prior slides, US Agricultural Census).
 - Language or cultural differences can be barriers to communication. CA NRCS has some capacity to provide technical and translation support to planners who need assistance communicating with a landowner. TSP planners should contact the field office they are working with when this appears to be the case.
- California also has a relatively large number of, mostly small, tribal nations. The smaller nations are often called “Rancherias,” a local term ([reference](#)).
 - CA NRCS has specialist staff to help its employees do conservation planning on tribal lands. When working with a federally recognized tribe (see map and list, below, this powerpoint), TSP planners should let the field office for that service area know before contacting the tribal government directly.

2012 Census		(Bill.\$)		Source: http://www.cdfa.ca.gov/Statistics/
Rank	County	Farm-gate Receipts	% of CA total	Major commodities
1	Fresno	6.6	15%	Almonds, Livestock, Grapes, Milk
2	Kern	6.2	14%	Grapes, Almonds, Milk, Vegetables
3	Tulare	6.2	14%	Milk, Grapes, Cattle, Oranges
4	Monterey	4.1	9%	Strawberries, Lettuce, Broccoli, Grapes
5	Merced	3.3	7%	Milk, Almonds, Cattle, Chickens
6	Stanislaus	3.3	7%	Milk, Almonds, Walnuts, Chickens
7	San Joaquin	2.9	6%	Grapes, Walnuts, Milk, Almonds
8	Kings	2.2	5%	Milk, Cotton, Cattle, Tomatoes
9	Ventura	2.0	4%	Strawberries, Lemons, Raspberries, Celery
10	Imperial	1.9	4%	Cattle, Hay, Wheat, Lettuce
11	San Diego	1.7	4%	Ornamental nursery plants, Avocados, Tomatoes, Lemons
12	Madera	1.7	4%	Almonds, Milk, Grapes, Pistachios
13	Santa Barbara	1.3	3%	Strawberries, Broccoli, Vegetables, Flowers
14	Riverside	1.3	3%	Milk, Ornamental nursery plants, Grapes, Hay
15	San Luis Obispo	0.86	2%	Grapes, Strawberries, Vegetables, Cattle

2012 Census		(Bill.\$)		Source: http://www.cdfa.ca.gov/Statistics/
		Farm-gate	% of	
Rank	Commodity	Receipts	CA total	Leading Counties
1	Milk and cream	6.9	15%	Tulare, Merced, Stanislaus, Kings, Kern
2	Grapes	4.5	10%	Kern, Fresno, Tulare, Napa, Sonoma
3	Almonds	4.3	10%	Fresno, Kern, Stanislaus, Merced, Madera
4	Nursery, plants	3.5	7.9%	San Diego, Monterey, Riverside, Ventura, Siskiyou
5	Cattle, calves	3.3	7.4%	Tulare, Imperial, Kern, Fresno, Merced
6	Strawberries	1.9	4.3%	Monterey, Ventura, Santa Barbara, San Luis Obispo, Santa Cruz
7	Lettuce, all	1.5	3.2%	Monterey, Imperial, Fresno, Santa Barbara, San Benito
8	Walnuts	1.4	3.0%	San Joaquin, Butte, Stanislaus, Tulare, Glenn
9	Hay, all	1.2	2.8%	Imperial, Kern, Tulare, Merced, Fresno
10	Tomatoes, all	1.2	2.6%	Fresno, Kings, Yolo, Stanislaus, San Joaquin
11	Pistachios	1.1	2.4%	Kern, Fresno, Tulare, Madera, Kings
12	Flowers and Foliage	1.0	2.2%	San Diego, Santa Barbara, Santa Cruz, Ventura, San Luis Obispo
13	Cotton, lint, all	0.89	2.0%	Kings, Fresno, Kern, Merced, Tulare
14	Rice	0.84	1.9%	Colusa, Sutter, Butte, Glenn, Yolo
15	Oranges	0.76	1.7%	Tulare, Kern, Fresno, Ventura, San Diego

2012 Census		(Mill.\$)		Source: http://www.cdfa.ca.gov/Statistics/
		Farm-gate	% of	
Rank	Commodity	Receipts	CA total	Leading Counties
16	Chickens, all	720	1.6	Fresno, Merced, Stanislaus, San Bernardino, San Diego
17	Broccoli	640	1.4	Monterey, Santa Barbara, Imperial, San Luis Obispo, Fresno
18	Carrots	500	1.1	Kern, Imperial, Monterey, Riverside, Fresno
19	Lemons	420	0.9	Ventura, San Diego, Riverside, Tulare, Kern
20	Eggs, chicken	390	0.9	Merced, Riverside, San Diego, San Bernardino, Kern
21	Avocados	390	0.9	San Diego, Ventura, Santa Barbara, Riverside, San Luis Obispo
22	Peppers, all	380	0.9	Riverside, Santa Clara, Ventura, Kern, San Benito, Fresno
23	Tangerines	350	0.8	Kern, Tulare, Fresno, Riverside, Ventura
24	Celery	340	0.8	Monterey, Ventura, Santa Barbara, San Luis Obispo, San Benito
25	Wheat	340	0.8	Imperial, Kings, Tulare, Kern, Fresno
26	Peaches, all	330	0.7	Fresno, Tulare, Stanislaus, Sutter, Kings
27	Melons, all	310	0.7	Fresno, Imperial, Kern, San Joaquin, Merced, Riverside
28	Turkeys	310	0.7	Fresno, Stanislaus, Merced, Kings, San Joaquin
29	Cherries	260	0.6	San Joaquin, Stanislaus, Fresno, Tulare, Kern
30	Raspberries	240	0.5	Ventura, Santa Cruz, Monterey, Kern

Dairy Industry at a glance:

- Based on: [California Department of Food and Agriculture. 2010. California Dairy Statistics.](#)

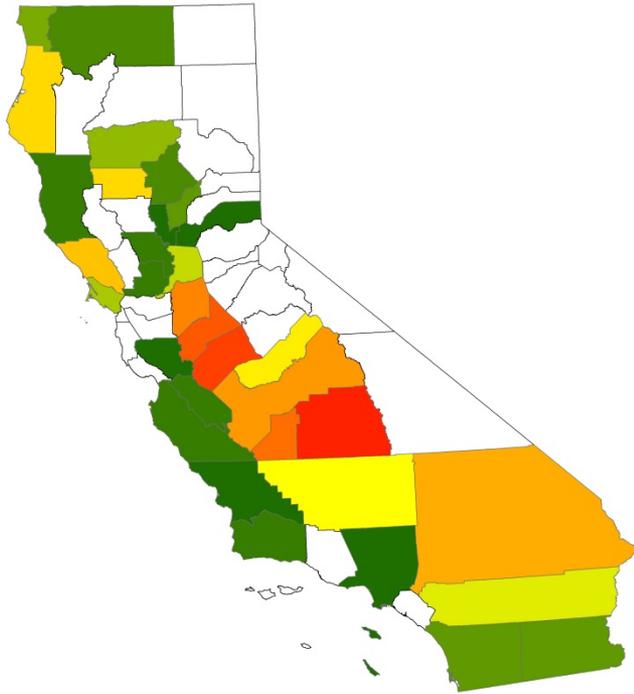
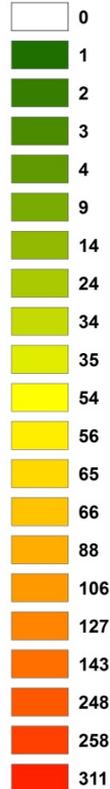
	Milk production (million lbs)	milk cows (thousands)	Number of dairy farms
California	40,385	1,754	1,710
United States	192,819	9,117	53,127
percent CA	21%	19%	3%
CA rank	1st	1st	8th

Dairy Industry at a glance:

rank	County	No. dairy farms	rank	County	milk cows (thous.)	rank	County	No. cows per dairy
1	Tulare	319	1	Tulare	502	1	Kern	3,179
2	Merced	268	2	Merced	268	2	Imperial	1,868
3	Stanislaus	259	3	Kings	191	3	Tulare	1,615
4	Kings	150	4	Stanislaus	184	4	Kings	1,338
5	San Joaquin	125	5	Kern	172	5	Madera	1,329
6	Fresno	102	6	Fresno	119	6	Riverside	1,292
7	San Bernardino	90	7	San Joaquin	106	7	Fresno	1,118
8	Sonoma	69	8	Madera	74	8	Merced	1,040
9	Humboldt	69	9	Sonoma	29	9	San Bernardino	848
10	Madera	55	10	Sacramento	15	10	San Joaquin	833
	Rest of CA	246		Rest of CA	197		CA average	1,083

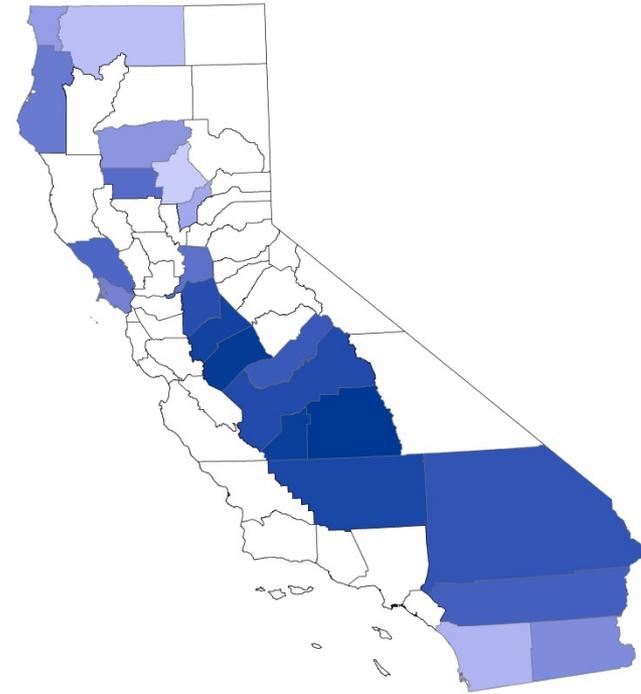
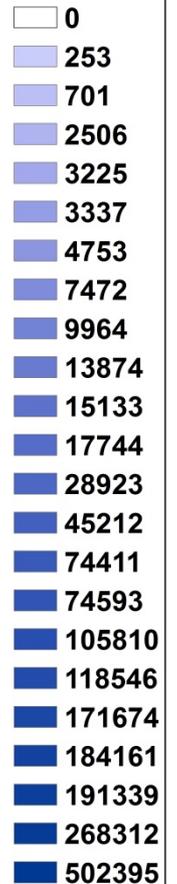
Number of dairy farms per county

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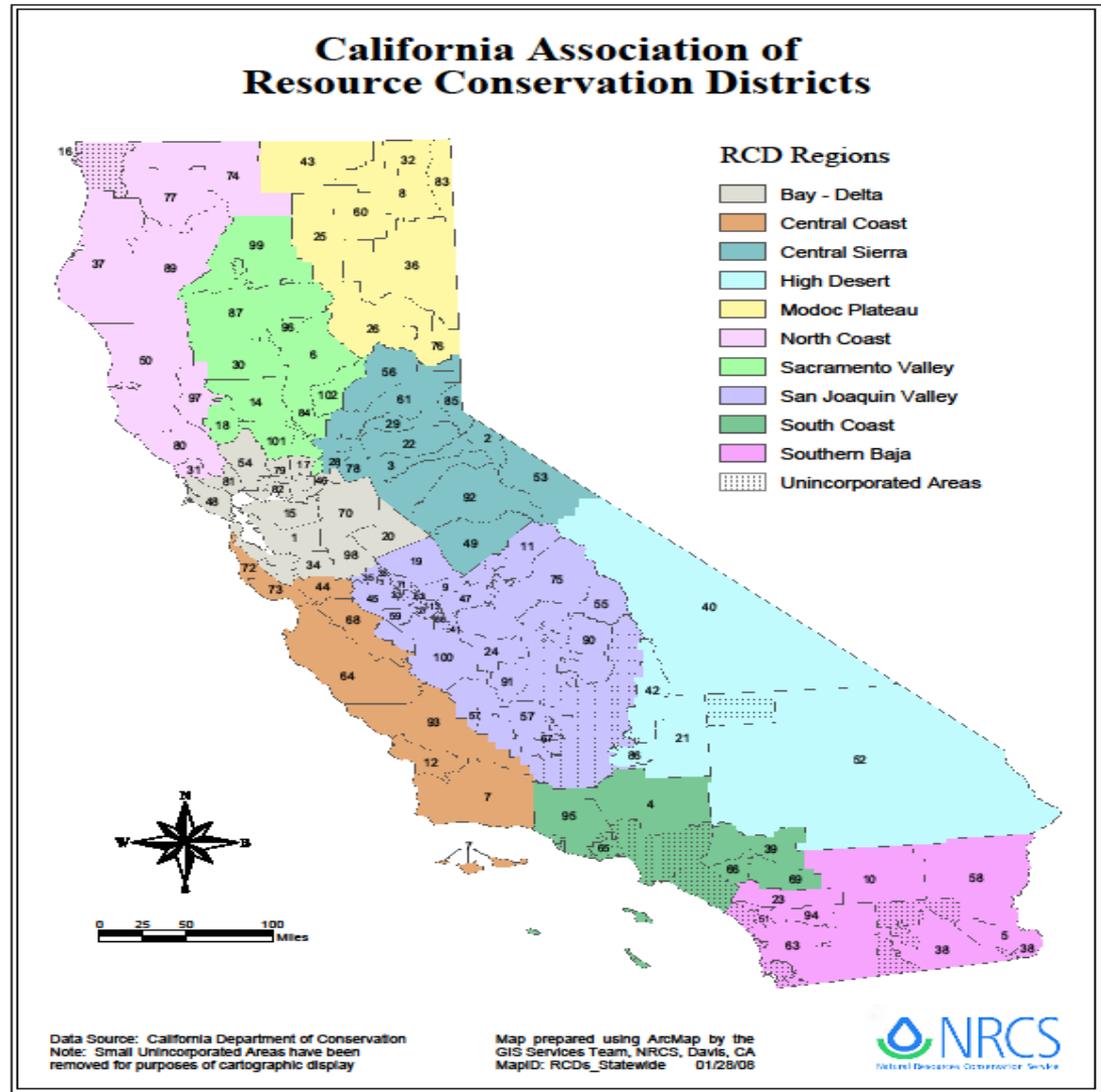


Number of cows per county

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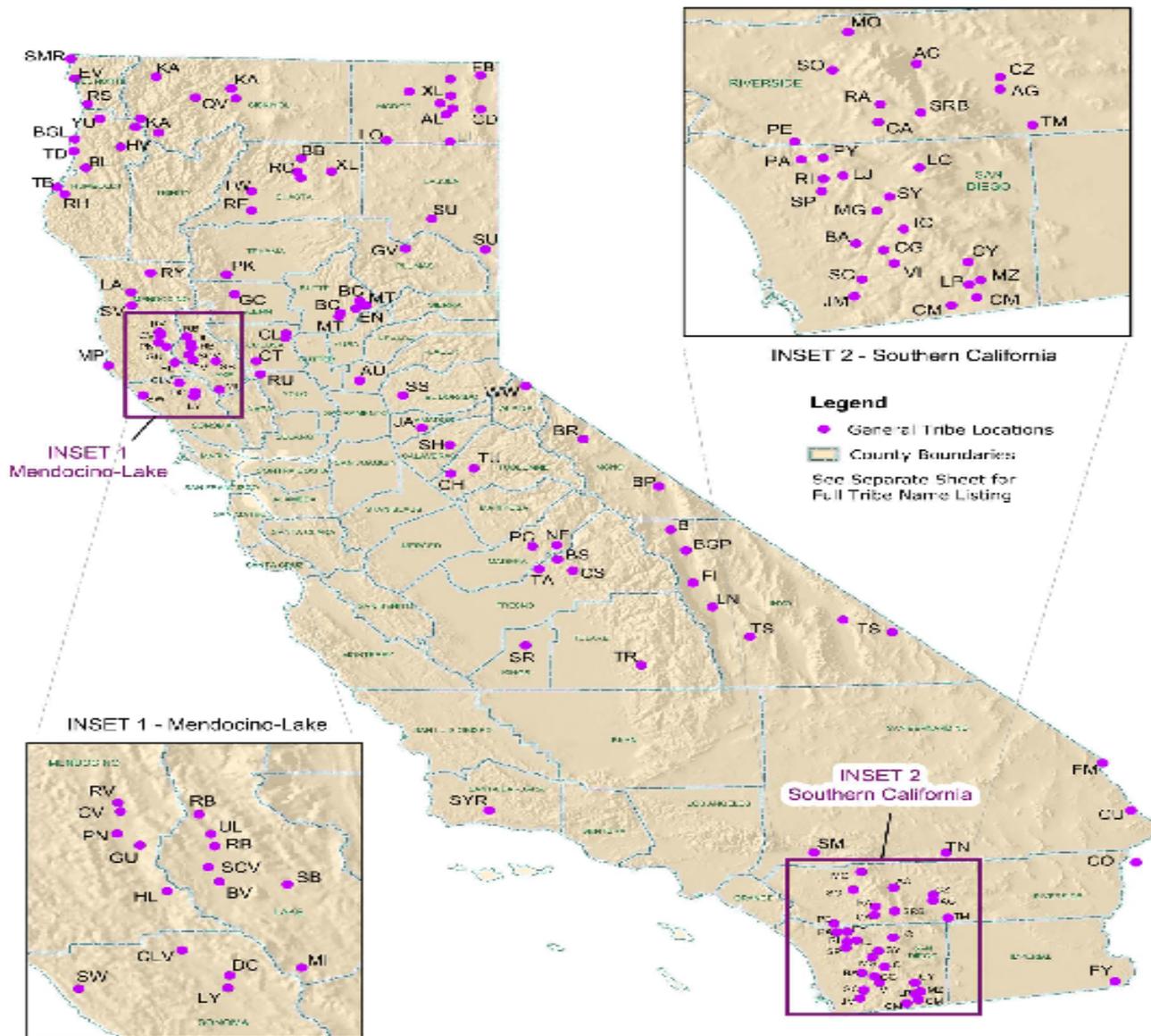


- 1 Alameda County RCD
- 2 Alpine RCD
- 3 Amador County RCD
- 4 Antelope Valley RCD
- 5 Bard RCD
- 6 Butte County RCD
- 7 Cachuma RCD
- 8 Central Modoc RCD
- 9 Chowchilla-Red Top RCD
- 10 Coachella Valley RCD
- 11 Coarsegold RCD
- 12 Coastal San Luis RCD
- 13 Columbia RCD
- 14 Colusa County RCD
- 15 Contra Costa RCD
- 16 Del Norte County RCD
- 17 Dixon RCD
- 18 East Lake RCD
- 19 East Merced RCD
- 20 East Stanislaus RCD
- 21 Eastern Kern County RCD
- 22 El Dorado County RCD
- 23 Elsinore-Murrieta-Anza RCD
- 24 Excelesior-Kings River RCD
- 25 Fall River RCD
- 26 Feather River RCD
- 27 Firebaugh RCD
- 28 Florin RCD
- 29 Georgetown Divide RCD
- 30 Glenn County RCD
- 31 Gold Ridge RCD
- 32 Goose Lake RCD
- 33 Grassland RCD
- 34 Guadalupe-Coyote RCD



35	Gustine-Romero RCD	69	San Jacinto Basin RCD
36	Honey Lake Valley RCD	70	San Joaquin County RCD
37	Humboldt County RCD	71	San Luis RCD
38	Imperial Irrigation District R	72	San Mateo County RCD
39	Inland Empire	73	Santa Cruz County RCD
40	Inyo-Mono RCD	74	Shasta Valley RCD
41	James RCD	75	Sierra RCD
42	Kern Valley RCD	76	Sierra Valley RCD
43	Lava Beds-Butte Valley RCD	77	Siskiyou RCD
44	Loma Prieta RCD	78	Sloughhouse RCD
45	Los Banos RCD	79	Solano RCD
46	Lower Consumnes RCD	80	Sotoyome RCD
47	Madera RCD	81	Southern Sonoma County RCD
48	Marin County RCD	82	Suisun RCD
49	Mariposa County RCD	83	Surprise Valley RCD
50	Mendocino County RCD	84	Sutter County RCD
51	Mission RCD	85	Tahoe RCD
52	Mojave Desert RCD	86	Tehachapi RCD
53	Mono County RCD	87	Tehama County RCD
54	Napa County RCD	88	Tranquility RCD
55	Navalencia RCD	89	Trinity County RCD
56	Nevada County RCD	90	Tulare County RCD
57	North West Kern	91	Tulare Lake RCD
58	Palo Verde RCD	92	Tuolumne County RCD
59	Panoche RCD	93	Upper Salinas-Las Tablas RCD
60	Pit RCD	94	Upper San Luis Rey RCD
61	Placer County RCD	95	Ventura County RCD
62	Poso RCD	96	Vina RCD
63	RCD of Greater San Diego County	97	West Lake RCD
64	RCD of Monterey County	98	West Stanislaus RCD
65	RCD of the Santa Monica Mountains	99	Western Shasta RCD
66	Riverside-Corona RCD	100	Westside RCD
67	Rosedale-Rio Bravo	101	Yolo County RCD
68	San Benito RCD	102	Yuba County RCD

American Indian Tribes in California



Source of Data:
BIA - Bureau of Indian Affairs, 3/2007

Map prepared using ArcGIS
GIS Services Team, NRCS, Davis, CA 01/17/08



American Indian Tribes Legend

Note: Map Code was added by NRCS solely for the purpose of labeling a map.

MAP CODE	LOCAL NAME	TRIBE NAME
AC	Agua Caliente	Agua Caliente Band of Cahuilla Indians
AG	Augustine	Augustine Band of Cahuilla Indians
AL	Alturas	Alturas Indian Rancheria
AU	Auburn	United Auburn Indian Community
BA	Barona	Barona Group of Mission Indians
BB	Big Bend	Pit River Tribe
BC	Berry Creek	Berry Creek Rancheria of Maidu Indians
BGL	Big Lagoon	Big Lagoon Rancheria
BGP	Big Pine	Big Pine Band of Owens Valley Paiute Shoshone Indians
BI	Bishop	Paiute-Shoshone Indians of the Bishop Community
BL	Blue Lake	Blue Lake Rancheria
BP	Benton Paiute	Utu Utu Gwaitu Paiute Tribe
BR	Bridgeport	Bridgeport Paiute Indian Colony
BS	Big Sandy	Big Sandy Rancheria of Mono Indians
BV	Big Valley	Big Valley Band of Pomo Indians
CA	Cahuilla	Cahuilla Band of Mission Indians
CD	Cedarville	Cedarville Rancheria
CG	Capitan Grande	Capitan Grande Band of Diegueno Mission Indians
CH	Chicken Ranch	Chicken Ranch Rancheria of Me-Wuk Indians
CL	Colusa	Cachil DeHe Band of Wintun Indians of the Colusa Indian Community
CLV	Cloverdale	Cloverdale Rancheria of Pomo Indians
CM	Campo	Campo Band of Diegueno Mission Indians
CO	Colorado River	Colorado River Indian Tribes
CS	Cold Springs	Cold Springs Rancheria Mono Indians
CT	Cortina	Cortina Indian Rancheria of Wintun Indians
CU	Chemehuevi	Chemehuevi Indian Tribe

American Indian Tribes Legend

Note: Map Code was added by NRCS solely for the purpose of labeling a map.
These are not part of the BIA Database.

MAP CODE	LOCAL NAME	TRIBE NAME
CV	Coyote Valley	Coyote Valley Band of Pomo Indians
CY	Cuyapaipe	Ewiiapaayp Band of Kumeyaay Indians
CZ	Cabazon	Cabazon Band of Cahuilla Mission Indians
DC	Dry Creek	Dry Creek Rancheria of Pomo Indians
EN	Enterprise	Enterprise Rancheria of Maidu Indians
EV	Elk Valley	Elk Valley Rancheria
FB	Fort Bidwell	Fort Bidwell Indian Community of Paiute Indians
FI	Fort Independence	Fort Independence Indian Community of Paiute Indians
FM	Fort Mojave	Fort Mojave Indian Tribe
FY	Fort Yuma	Quechan Tribe
GC	Grindstone Creek	Grindstone Indian Rancheria of Wintun-Wailaki Indians
GU	Guidiville	Guidiville Rancheria
GV	Greenville	Greenville Rancheria of Maidu Indians
HL	Hopland	Hopland Band of Pomo Indians
HV	Hoopa Valley	Hoopa Valley Tribe
IC	Inaja Cosmit	Inaja Band of Diegueno Mission Indians
JA	Jackson	Jackson Rancheria of Me-Wuk Indians
JM	Jamul	Jamul Indian Village
KA	Karuk	Karuk Tribe
LA	Laytonville	Cahto Indian Tribe
LC	Los Coyotes	Los Coyotes Band of Cahuilla & Cupeno Indians
LI	Likely	Pit River Tribe
LJ	La Jolla	La Jolla Band of Luiseno Mission Indians
LN	Lone Pine	Paiute-Shoshone Indians of the Lone Pine Community
LO	Lookout	Pit River Tribe
LP	La Posta	La Posta Band of Diegueno Mission Indians
LY	Lytton	Lytton Rancheria
MC	Montgomery Creek	Pit River Tribe
MG	Mesa Grande	Mesa Grande Band of Diegueno Mission Indians

American Indian Tribes Legend

Note: Map Code was added by NRCS solely for the purpose of labeling a map.

MAP These are not part of the BIA Database.

CODE	LOCAL NAME	TRIBE NAME
MI	Middletown	Middleton Rancheria of Pomo Indians
MO	Morongo	Morongo Band of Cahuilla Mission Indians
MP	Manchester Point Arena	Manchester Band of Pomo Indians
MT	Mooretown	Mooretown Rancheria of Maidu Indians
MZ	Manzanita	Manzanita Band of Diegueno Mission Indians
NF	North Fork	North Fork Rancheria of Mono Indians
PA	Pala	Pala Band of Luiseno Mission Indians
PC	Picayune	Picayune Rancheria of Chukchansi Indians
PE	Pechanga	Pechanga Band of Luiseno Mission Indians
PK	Paskenta	Paskenta Band of Nomlaki Indians
PN	Pinoleville	Pinoleville Pomo Nation
PY	Pauma-Yuima	Pauma Band of Luiseno Mission Indians
QV	Quartz Valley	Quartz Valley Indian Community
RA	Ramona	Ramona Band of Cahuilla Mission Indians
RB	Robinson	Robinson Rancheria of Pomo Indians
RB	Robinson	Robinson Rancheria of Pomo Indians
RC	Roaring Creek	Pit River Tribe
RE	Redding	Redding Rancheria
RH	Rohnerville	Bear River Band of the Rohnerville Rancheria
RI	Rincon	Rincon Band of Luiseno Mission Indians
RS	Resighini	Resighini Rancheria
RU	Rumsey	Rumsey Indian Rancheria of Wintun Indians
RV	Redwood Valley	Redwood Valley Rancheria of Pomo Indians
RY	Round Valley	Round Valley Indian Tribes
SB	Sulphur Bank	Elem Indian Colony of Pomo Indians

American Indian Tribes Legend

Note: Map Code was added by NRCS solely for the purpose of labeling a map.

MAP These are not part of the BIA Database.

CODE	LOCAL NAME	TRIBE NAME
SC	Sycuan	Sycuan Band of the Kumeyaay Nation
SCV	Scotts Valley	Scotts Valley Band of Pomo Indians
SH	Sheep Ranch	California Valley Miwok Tribe
SM	San Manuel	San Manuel Band of Serrano Mission Indians
SMR	Smith River	Smith River Rancheria
SO	Soboba	Soboba Band of Luiseno Indians
SP	San Pasqual	San Pasqual Band of Diegueno Mission Indians
SR	Santa Rosa Rancheria	Santa Rosa Indian Community
SRB	Santa Rosa Reservation	Santa Rosa Band of Cahuilla Indians
SS	Shingle Springs	Shingle Springs Band of Miwok Indians
SU	Susanville	Susanville Indian Rancheria
SV	Sherwood Valley	Sherwood Valley Rancheria of Pomo Indians
SW	Stewarts Point	Kashia Band of Pomo Indians
SY	Santa Ysabel	Santa Ysabel Band of Diegueno Mission Indians
SYR	Santa Ynez Reservation	Santa Ynez Bands of Chumash Mission Indians
TA	Table Mountain	Table Mountain Rancheria
TB	Table Bluff	Wiyot Tribe
TD	Trinidad	Cher-Ae Heights Indian Community
TM	Torres-Martinez	Torres-Martinez Desert Cahuilla Indians
TN	Twenty-Nine Palms	Twenty-Nine Palms Band of Luiseno Mission Indians
TR	Tule River	Tule River Indian Tribe
TS	Timbisha Shoshone	Timbisha Shoshone Tribe
TU	Tuolumne	Tuolumne Band of Me-Wuk Indians
TW	Toyon Wintu	Toyon Wintu Tribe
UL	Upper Lake	Upper Lake Band of Pomo Indians
VI	Viejas	Viejas Band of Kumeyaay Indians
WW	Washoe (Woodfords Community)	Washoe Tribe
XL	XL Ranch	Pit River Tribe
YU	Yurok	Yurok Tribe

- Source:

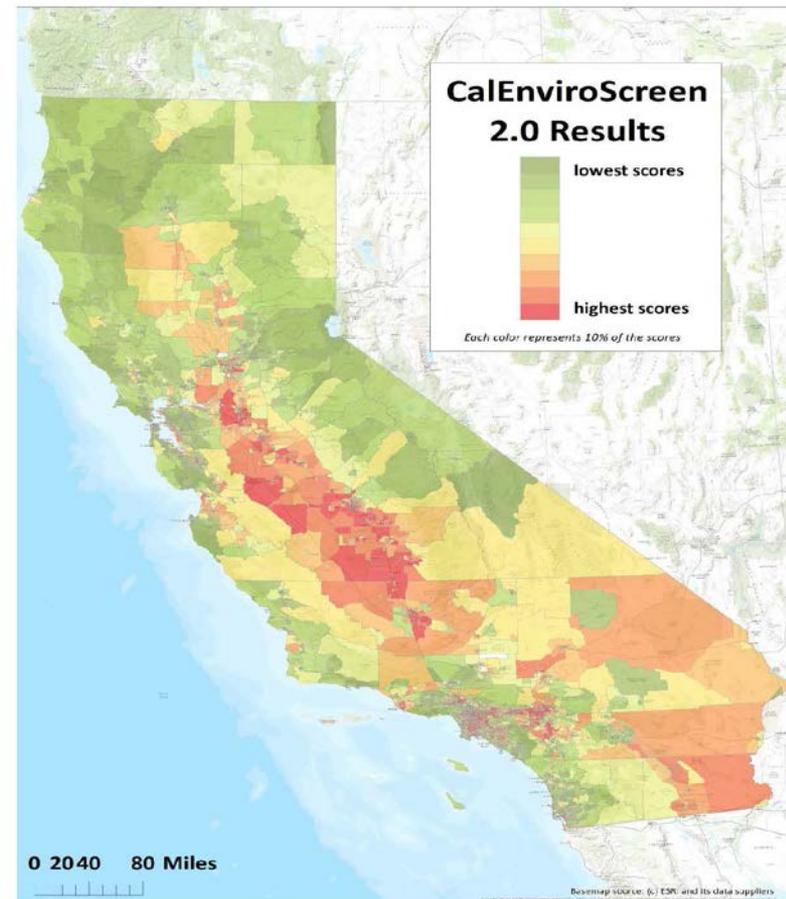
<http://oehha.ca.gov/ej/ces2.html>

Relative scoring of census tracts using the CalEPA, Office of Environmental Health Hazards – Environmental Justice Program’s Calenviroscreen 2.0 methodology.

Darker red (“higher”) scores have relatively high pollution burdens and population sensitivities.

CalEnviroScreen 2.0

CALENVIROSCREEN STATEWIDE RESULTS



Emerging Resource Issues for California NRCS – based on draft strategic plan (links to additional information):

- *climate change*

- California Climate Action Network (CalCAN)
 - <http://calclimateag.org/>
- USDA Climate Regional Hubs (California Sub-hub)
 - <http://climatehubs.oce.usda.gov/southwest-subHub-california>
- State of California climate change information portal
 - <http://www.climatechange.ca.gov/>
- California Assembly Bill 32 (cap and trade legislation)
 - <http://www.arb.ca.gov/cc/ab32/ab32.htm>
- Marin Carbon Project
 - <http://www.marincarbonproject.org/>

- *groundwater contamination and depletion*
 - California Groundwater Information Center
 - <http://www.water.ca.gov/groundwater/gwinfo/index.cfm>
 - CA Department of Pesticide Regulation groundwater protection program
 - <http://www.cdpr.ca.gov/docs/emon/grndwtr/index.htm>
 - University of California at Davis groundwater nitrate study
 - <http://groundwaternitrate.ucdavis.edu/>
 - California Water Foundation report on groundwater
 - [http://www.californiawaterfoundation.org/uploads/1399077265-GroundwaterReport-5-2014\(00249329xA1C15\).pdf](http://www.californiawaterfoundation.org/uploads/1399077265-GroundwaterReport-5-2014(00249329xA1C15).pdf)
 - Pajaro Valley Community Water Dialogue
 - <http://www.pajarowatershed.org/Content/10111/CommunityWaterDialogue.html>

- *drought resiliency*

- California drought monitor

- [http://droughtmonitor.unl.edu/Home/StateDroughtMonitor.aspx?
CA](http://droughtmonitor.unl.edu/Home/StateDroughtMonitor.aspx?CA)

- Other drought related sites:

- <http://www.cadrought.com/>
- <http://ca.gov/drought/>
- <http://drought.ucdavis.edu/>
- [http://www.nrcs.usda.gov/wps/portal/nrcs/main/ca/newsroom/
features/](http://www.nrcs.usda.gov/wps/portal/nrcs/main/ca/newsroom/features/)
- [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/ca/newsroom/
releases/?cid=STELPRDB1255923](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/ca/newsroom/releases/?cid=STELPRDB1255923)
- [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/ca/newsroom/?
cid=stelprdb1246134](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/ca/newsroom/?cid=stelprdb1246134)

- *Soil Health* - relates to water management and climate resiliency
 - Conservation Agriculture Systems Innovation
 - <http://casi.ucanr.edu/>
 - California Department of Pesticide Regulation white paper on soil health
 - http://www.cdpr.ca.gov/docs/pestmgt/white_paper_final.pdf
 - Walnut grower Russ Lester cover crops video
 - <https://www.youtube.com/watch?v=wGimp3tx7xc>
 - Vineyard cover crops paper
 - <http://www.practicalwinery.com/septoct04/septoct04p22.html>
 - CA NRCS soil health portal
 - <http://www.nrcs.usda.gov/wps/portal/nrcs/main/ca/soils/health/>

Where do I find planning related documents on the CA eFOTG?

Document	Pathway
	http://efotg.sc.egov.usda.gov/efotg_locator.aspx , click on CA
<i>Cultural Resources planning guidance</i>	Section 1 > Technical notes > Cultural Resources; Section 1 > Technical Guide Notices > TGN 64, 65, 66
<i>NRCS Land Use Designations and Modifiers</i>	Section III > Resource Concerns, land uses and planning criteria > Land Uses
<i>Resource Concerns list, 2 pages</i>	Section III > Resource Concerns, land uses and planning criteria > Resource Concerns
<i>Resource Concerns, definitions</i>	Section III > Resource Concerns, land uses and planning criteria > Resource Concerns

Where do I find planning related documents on the CA eFOTG?

Document	Pathway http://efotg.sc.egov.usda.gov/efotg_locator.aspx , click on CA
<i>NRCS Planning Criteria</i>	Section III > Resource Concerns, land uses and planning criteria > Planning Criteria
<i>Conservation Planning Physical Effects (CPPE)</i>	Section V > Effects for Decision Making > 1. Conservation Planning Physical Effects
<i>Environmental Evaluation Worksheet (CPA 52)</i>	Section 1 > Resource Assessment Tools > CPA 52 <i>Resource Evaluation Tool</i>
<i>RMS Planning Tool</i>	Section V > Effects for RMS Formulation > 3. RMS Planning Tool

Where do I find planning related documents on the CA eFOTG?

Document	Pathway
<i>Grazing management tool (528_spec_tool_final_R5a)</i>	http://efotg.sc.egov.usda.gov/efotg_locator.aspx , click on CA
	Section 1 > Technical Notes > Range > Range Tech Note 54
<i>California Phosphorus Index (rev.1)</i>	Section 1 > Technical Notes > Agronomy > Agronomy Tech Note 62
<i>Fish and Wildlife Habitat Evaluation Guides</i>	Section 1 > Resource Assessment Tools > WHEG Wildlife Habitat Evaluation Guide
<i>Pollinator Habitat Assessment Tool</i>	Section 1 > Resource Assessment Tools > WHEG Wildlife Habitat Evaluation Guide

Index of personnel

(CA NRCS TSP mentors and coordinators, Jan. 2015)

Name	Title	Relationship to TSPs	Contact information*
Tom Hedt	State Resource Conservationist	Oversees Ecological Sciences programs and staff	(530) 792-5667, thomas.hedt@ca.usda.gov
Luis Laracuente	State Conservation Engineer	Oversees Engineering programs and staff	(530) 792-5622, luis.laracuente@ca.usda.gov
Alan Forkey	Assistant State Conservationist for Programs	(also a TSP program coordinator), oversees Financial Assistance Programs and staff	(530) 792-5653, alan.forkey@ca.usda.gov
Hue Dang	State Planning Specialist	Oversees conservation planning training, policy and quality assurance, including TSP conservation planner certification.	(530) 792-5657, hue.dang@ca.usda.gov
Steve Hill	Natural Resource Manager	TSP program coordinator.	(530) 792-5642, steve.hill@ca.usda.gov

*Contact information: All are located at the Davis State Office, except Dairy Team members, as noted below. USDA NRCS, 430 G Street, #2146, Davis, CA 95616.

Index of personnel, CA NRCS TSP mentors and coordinators, Jan. 2015 - Continued:

Name	Title	Relationship to TSPs	Contact information
Dennis Chessman	State Agronomist	Oversees agronomic practices, including CAP practices 104, 114, 138, 154.	(530) 792-5659, dennis.chessman@ca.usda.gov
<i>Vacant</i> (acting: Matthew McNicol)	State Forester	Oversees forestry practices, including CAP 106.	<i>(for Matthew)</i> (209) 984-0500, 18285 Hwy 108 #6, Jamestown, CA 95327; matthew.mcnicol@ca.usda.gov
Ceci Dale-Cesmat	State Range Conservationist	Oversees range management practices, including CAP 110.	(530) 792-5658, ceci.dalecesmat@ca.usda.gov
Dan Johnson	State Irrigation Specialist	Oversees irrigation related practices, including CAP 118.	(530) 792-5625, dan.johnson@ca.usda.gov
Jacqui Gaskill	State Energy Specialist	Oversees energy conservation related practices, including CAP 128.	(530) 792-5669, jacqui.gaskill@ca.usda.gov
Tom Moore	State Wildlife Biologist	Oversees wildlife related practices, including CAPs 142 and 146; state environmental compliance specialist.	(530) 792-5652, thomas.moore@ca.usda.gov

Index of personnel, CA NRCS TSP mentors and coordinators, Jan. 2015 - Continued: *The Dairy Team**

Name	Title	Contact information
Richard Cernansky	Dairy Team Engineer – Southern Division	1907 N. Gateway, Suite 101, Fresno, CA 93727-1677, (559) 252-2191 extension 106, richard.cernansky@ca.usda.gov
Brook Gale**	Dairy Team Agronomist – Southern Division	1907 N. Gateway, Suite 101, Fresno, CA 93727-1677, (559) 252-2191 extension 103, brook.gale@ca.usda.gov
Kristin Walker***	Dairy Team Engineer – Northern Division	3422 W. Hammer Lane, Stockton, CA 95219-5493, (209) 472-7127 extension 106, kristin.walker@ca.usda.gov
Kabir Zahangir	Dairy Team Agronomist – Northern Division	1170 N. Lincoln Street, Suite 110, Dixon, CA 95620-2120, (707) 678-1655, extension 115, kabir.zahangir@ca.usda.gov

*The Dairy Team focuses on Comprehensive Nutrient Management Plans and related nutrient management issues, including CAP Practice 102.

**Brook is also assisting the State Agronomist in development and oversight of CAP Practice 104 (nutrient management plans).

***Kristin is currently on detail, assisting the national TSP Team.

Expected TSP Workflow – Conservation Planning Certification

- The State Resource Conservationist (SRC) will provide oversight for reviewing conservation plans submitted for review for the California TPS Planner Certification.
 - ECS staff principally involved in these reviews will be *Hue Dang*, State Conservation Planning Specialist, and *Steve Hill*, TSP Coordinator.
 - Other technical specialists may be consulted depending on the content of the sample plan.
- Conservation plans submitted by certified TSP conservation planners will be reviewed by the District Conservationist (DC) at the local USDA Service Center. These plan reviews may be forwarded to technical specialists, or area or state-level staff.
- The SRC will oversee plan reviews for TSP planner certification renewals.
- TSPs will work with the local DC to make sure the proper environmental evaluations (NRCS.CPA.52) and any other required documents are completed.

Certificate of Completion

After viewing the State Specific Training module, please print and sign the completion certificate on the following slide.

The certificate is your acknowledgement that based on the information provided in this module, you have the proper knowledge, skills and ability to conduct planning in this state.

Send the signed certificate to the State TSP Coordinator. Copy the below link to your browser for a list of State TSP Coordinators.

<https://techreg.sc.egov.usda.gov/RptStateContact4Admin.aspx>

STATE SPECIFIC TRAINING MODULE COMPLETION CERTIFICATE

I, _____, hereby verify I have viewed and understand the
TSP Name
content of the California State Specific Training Module and affirm I have the
knowledge, skills and ability to conduct conservation planning services in that
state.

TSP signature

Date

Non-Discrimination Statement

Non-Discrimination Policy

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees and applicants for employment on the bases of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases apply to all programs and/or employment activities.)

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Non-Discrimination Statement , continued

Persons with Disabilities

Individuals who are deaf, hard of hearing or have speech disabilities and you wish to file either an EEO or program complaint please contact USDA through the Federal Relay Service at (800) 877-8339 or (800) 845-6136 (in Spanish). Persons with disabilities, who wish to file a program complaint, please see information above on how to contact us by mail or by email. If you require alternative means of communication for program information (e.g., Braille, large print, audiotape, etc.), please contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

Supplemental Nutrition Assistance Program

For any other information dealing with Supplemental Nutrition Assistance Program (SNAP) issues, persons should either contact the USDA SNAP Hotline Number at (800) 221-5689, which is also in Spanish, or call the State Information/Hotline Numbers.

All Other Inquires

For any other information not pertaining to civil rights, please refer to the listing of the USDA Agencies and Offices.