

Statewide Drought Update

Truckee, CA

Sep 5, 2014



Julie Saare-Edmonds
California Department of Water Resources



Landscapes are an important part
of California life.





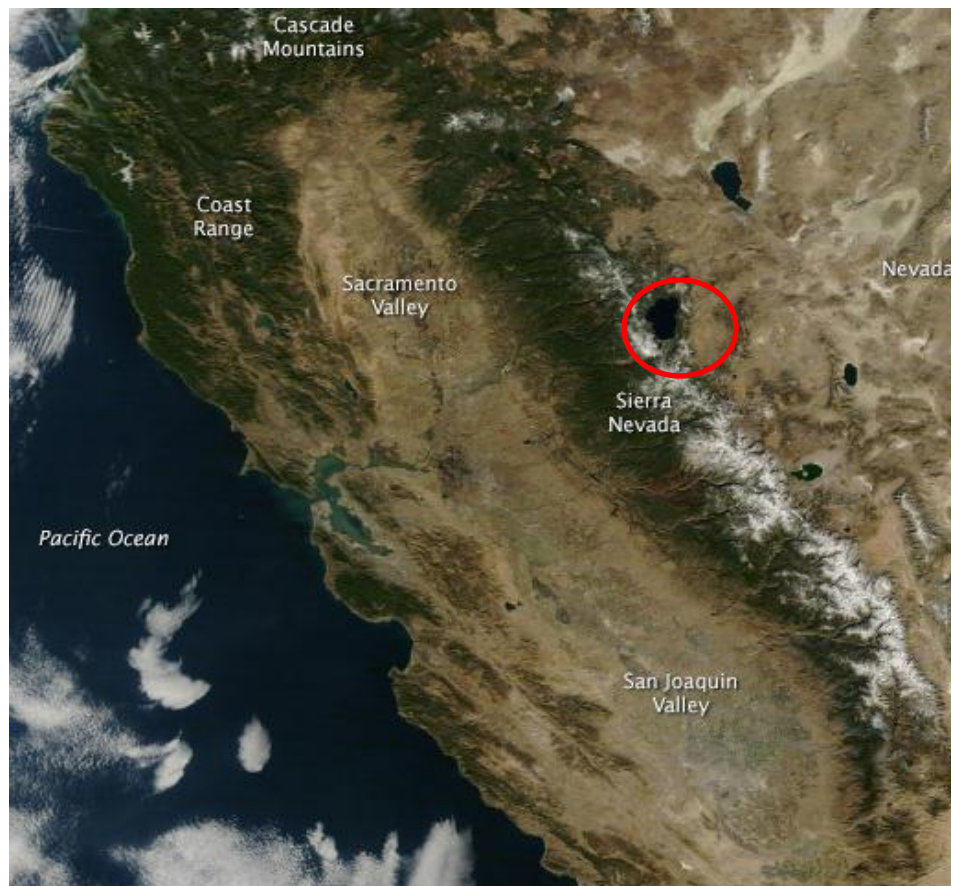




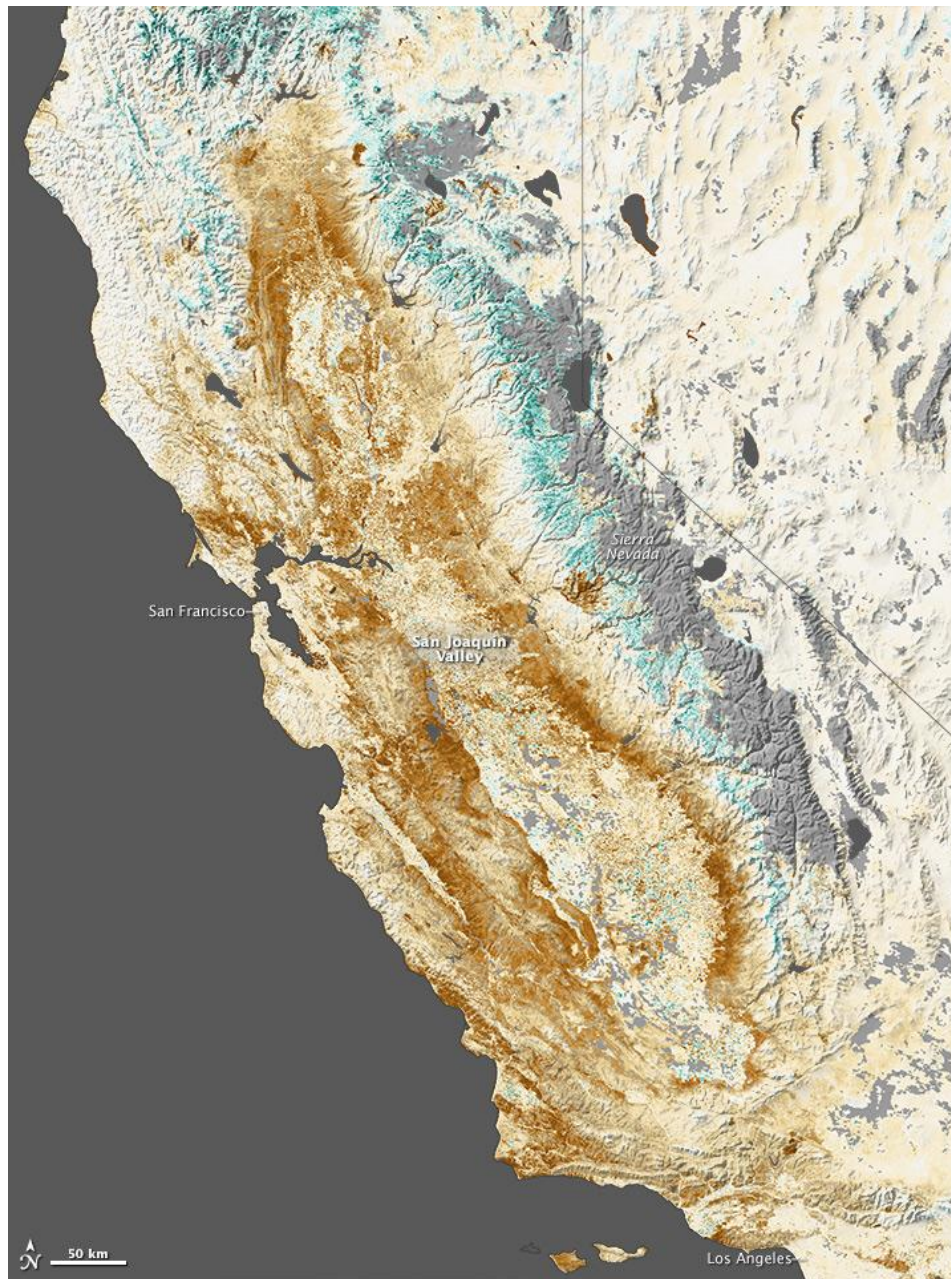
January 2014 Snow Survey Echo Summit



January 2013

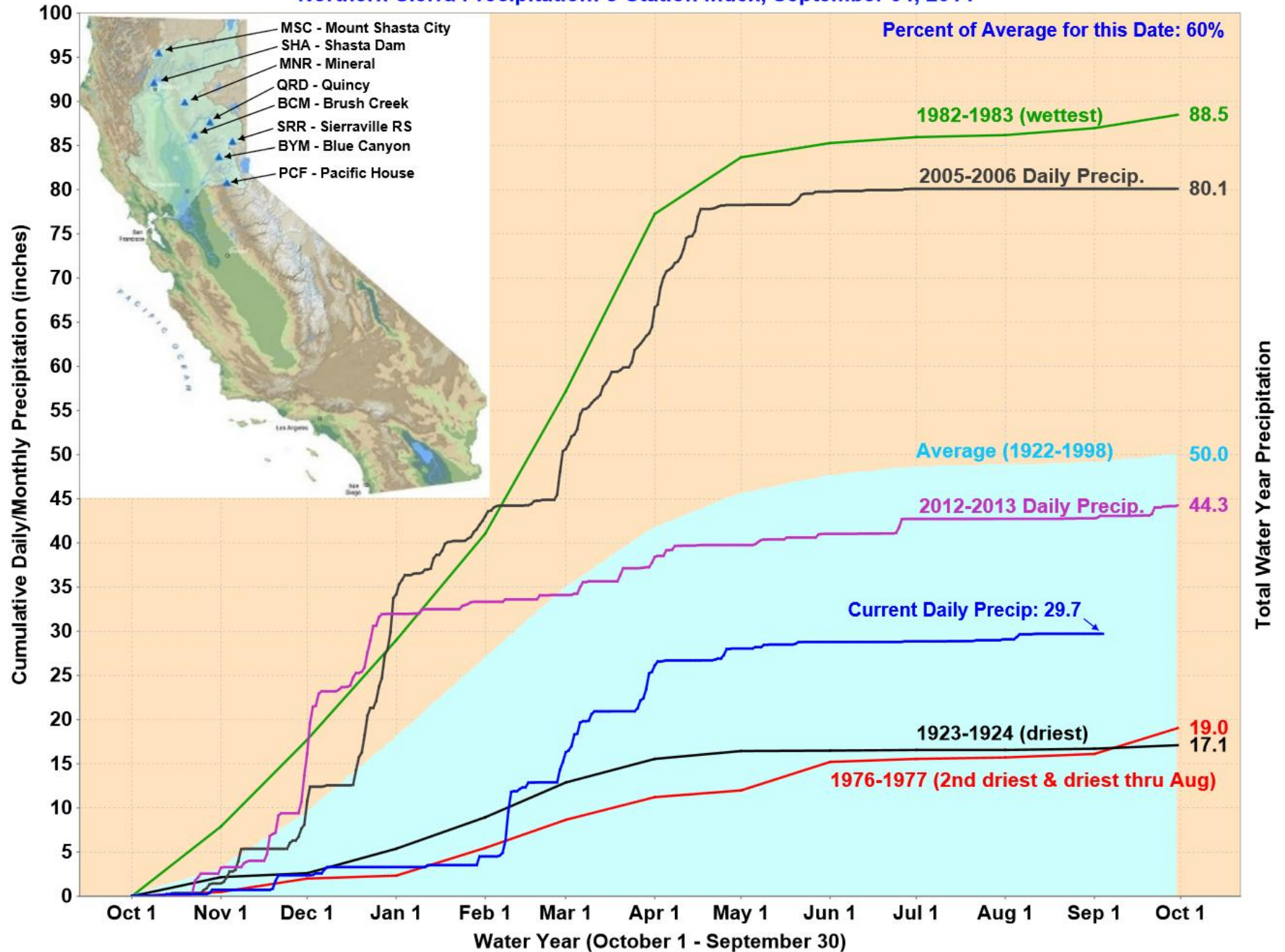


January 2014



Green areas indicate plants that should be covered with snow-instead the plants are using soil moisture

Northern Sierra Precipitation: 8-Station Index, September 04, 2014





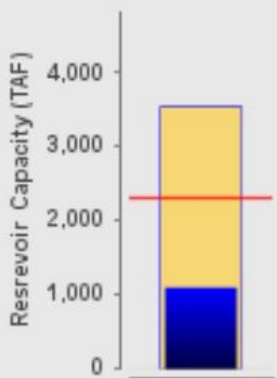
Reservoir Conditions - Lake Oroville



Lake Oroville

Lake Oroville Conditions

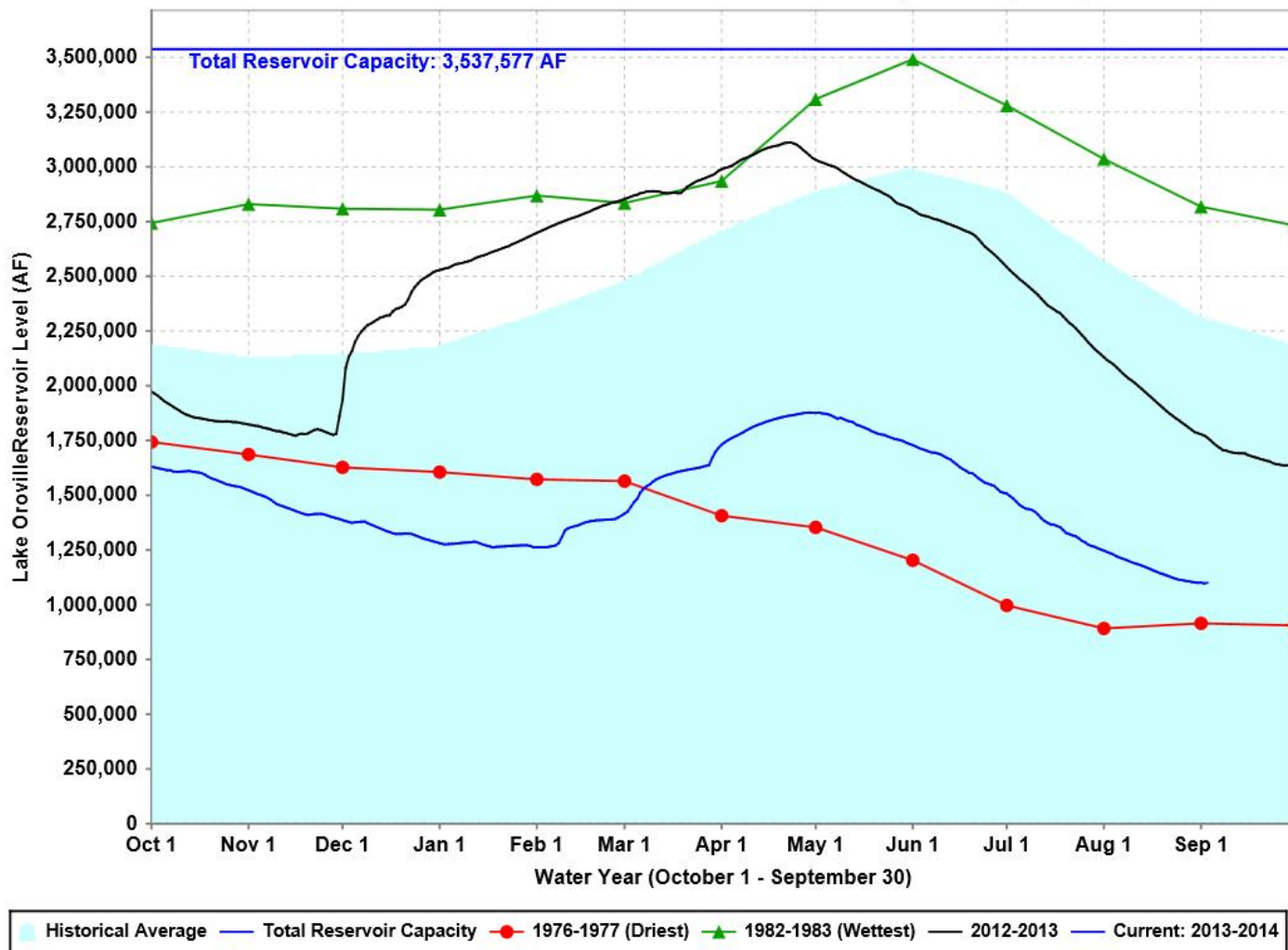
(as of Midnight - September 3, 2014)



Current Level: 1,099,899.5 AF

31% (Total Capacity) | 48% (Historical Avg.)

Lake Oroville Levels: Various Past Water Years and Current Water Year, Ending At Midnight September 3, 2014



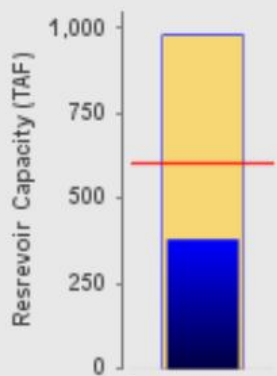


Reservoir Conditions - Folsom Lake



Folsom Lake Conditions

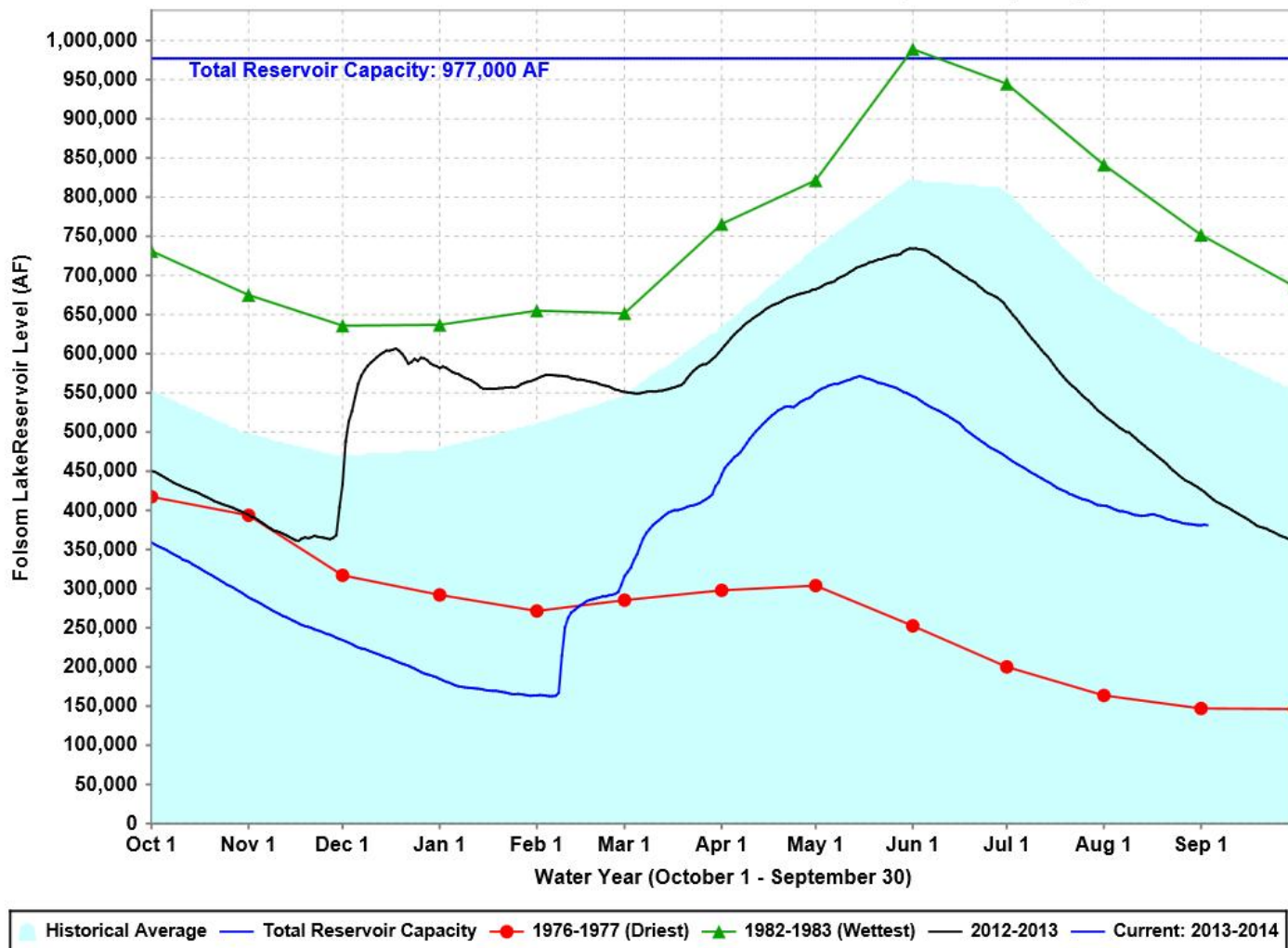
(as of Midnight - September 3, 2014)



Current Level: 381,013 AF

39% | 63%
(Total Capacity) | (Historical Avg.)

Folsom Lake Levels: Various Past Water Years and Current Water Year, Ending At Midnight September 3, 2014

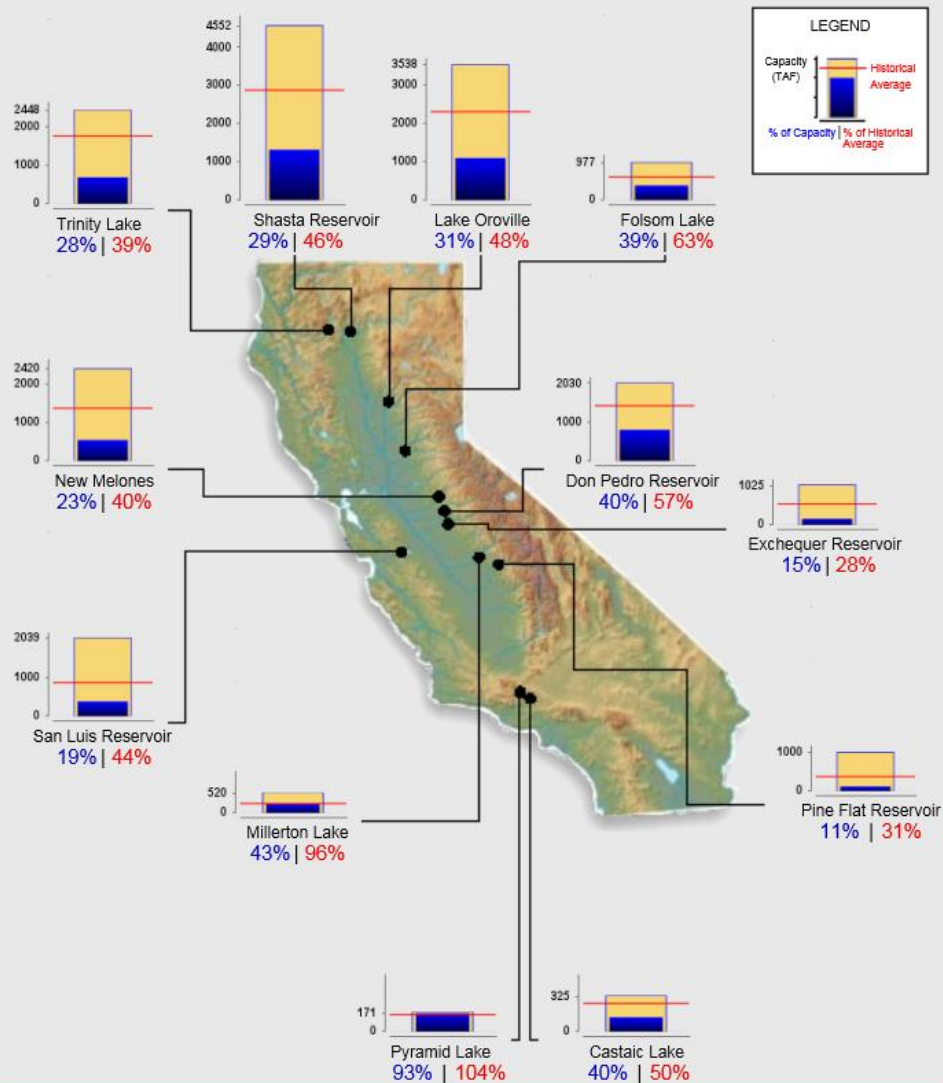




Reservoir Conditions

Ending At Midnight - September 3, 2014

CURRENT RESERVOIR CONDITIONS



CA.gov Department of Water Resources CALIFORNIA DATA EXCHANGE CENTER

HOME | QUERY TOOLS | PRECIPITATION | RIVER FORECAST | RIVER STAGES | RESERVOIRS | SNOW | STATIONS

WEATHER

→ Daily Reservoir Data

Sorted North to South by River Basin

UPDATED: 09/03/2014

Station	ID	Elev	Latitude	Longitude	County	Operating Agency
TRINITY R						
TRINITY LAKE	CLE	2370	40.801	-122.762	TRINITY	US Bureau of Reclamation
LEWISTON	LEW	1870	40.727	-122.793	TRINITY	US Bureau of Reclamation
MAD R						
RUTH DAM	RTD	2675	40.367	-123.433	TRINITY	USGS and DWR
EEL R						
LAKE PILLSBURY NR POTTER VLY 24HR AVG	LPY	1628	39.4083	-122.9583	LAKE	Pacific Gas & Electric
SCOTT DAM	SCD	1807	39.4083	-122.9586	LAKE	Pacific Gas & Electric
VAN ARSDALE RESERVOIR 24HR AVG	VAR	1484	39.3639	-123.1025	MENDOCINO	Pacific Gas & Electric
RUSSIAN R						
COYOTE (LAKE MENDOCINO)	COY	720	39.197	-123.186	MENDOCINO	US Army Corps of Engineers
WARM SPRINGS (USACE)	WRS	440	38.723	-123.01	SONOMA	US Army Corps of Engineers
SANTA YNEZ R						
CACHUMA LAKE	CCH	781	34.583	-119.98	SANTA BARBARA	US Bureau of Reclamation
U SANTA CLARA R						
PYRAMID	PYM	2606	34.633	-118.75	LOS ANGELES	CA Dept of Water Resources, Southern Field Div
SANTA CLARA R						
CASTAIC	CAS	1535	34.5152	-118.6101	LOS ANGELES	CA Dept of Water Resources, Southern Field Div
SAN JACINTO R						

CDEC



BEAR						
MARIPOSA CREEK DAM	MAR	459	37.292	-120.147	MARIPOSA	US Army Corps of Engineers
OWENS CREEK DAM	OWN	424	37.282	-120.187	MARIPOSA	US Army Corps of Engineers
CHOWCHILLA R						
BUCHANAN DAM	BUC	450	37.213	-119.97	MADERA	US Army Corps of Engineers
FRESNO R						
HIDDEN DAM (HENSLEY)	HID	561	37.2	-119.917	MADERA	US Army Corps of Engineers
SAN JOAQUIN R						
UPPER SAN JOAQUIN TOTAL	SJT	9999	39.999	-999.999	none specified	None Specified
FRIANT DAM (MILLERTON)	MIL	581	37.001	-119.705	FRESNO	US Bureau of Reclamation
SAN LUIS CR						
SAN LUIS RESERVOIR	SNL	543	37.033	-121.133	MERCED	CA Dept of Water Resources
KINGS R						
COURTRIGHT (PG&E)	CTG	8192	37.072	-118.967	FRESNO	Pacific Gas & Electric
WISHON	WSN	6560	37.005	-118.969	FRESNO	Pacific Gas & Electric
PINE FLAT DAM	PNF	970	36.833	-119.325	FRESNO	US Army Corps of Engineers
KAWEAH R						
TERMINUS DAM	TRM	752	36.415	-119.002	TULARE	US Army Corps of Engineers
TULE R						
SUCCESS DAM	SCC	692	36.061	-118.922	TULARE	US Army Corps of Engineers
KERN R						
ISABELLA DAM	ISB	2635	35.646	-118.473	KERN	US Army Corps of Engineers
TRUCKEE R						
STAMPEDE	STP	5956	39.471	-120.103	SIERRA	US Geological Survey
INDEPENDENCE LAKE NEAR TRUCKEE	INP	6921	39.452	-120.29	SIERRA	US Geological Survey
BOCA RESERVOIR	BOC	5521	39.383	-120.1	NEVADA	US Bureau of Reclamation
PROSSER CREEK RESERVOIR	PRS	5622	39.3794	-120.1367	NEVADA	US Geological Survey
DONNER LAKE (DWR)	DNN	5945	39.333	-120.25	NEVADA	US Geological Survey
MARTIS CREEK RESERVOIR	MRT	5745	39.327	-120.113	NEVADA	US Army Corps of Engineers



WEATHER BOCA RESERVOIR (BOC)

Elevation: 5521' · TRUCKEE R basin · Operator: US Bureau of Recla

Provisional data, subject to change.

Query executed Wednesday at 15:35:28



Select a sensor type for a plot of data.

[Earlier](#)

Date	RES ELE FEET	STORAGE AF	TOC STO AF	ABV TOC AF
08/05/2014	5557.04	7510	41100	-33590
08/06/2014	5557.11	7530	41100	-33570
08/07/2014	5557.17	7560	41100	-33540
08/08/2014	5557.23	7580	41100	-33520
08/09/2014	5557.30	7610	41100	-33490
08/10/2014	5557.36	7630	41100	-33470
08/11/2014	5557.41	7650	41100	-33450
08/12/2014	5557.47	7680	41100	-33420
08/13/2014	5557.51	7690	41100	-33410
08/14/2014	5557.50	7690	41100	-33410
08/15/2014	5557.48	7680	41100	-33420
08/16/2014	5557.48	7680	41100	-33420
08/17/2014	5557.48	7680	41100	-33420
08/18/2014	5557.47	7680	41100	-33420
08/19/2014	5557.43	7660	41100	-33440
08/20/2014	5557.36	7630	41100	-33470
08/21/2014	5557.25	7590	41100	-33510
08/22/2014	5557.14	7550	41100	-33550
08/23/2014	5557.03	7500	41100	-33600
08/24/2014	5556.93	7460	41100	-33640
08/25/2014	5556.81	7420	41100	-33680
08/26/2014	5556.64	7350	41100	-33750
08/27/2014	5556.46	7280	41100	-33820
08/28/2014	5556.26	7210	41100	-33890
08/29/2014	5556.03	7120	41100	-33980
08/30/2014	5555.83	7040	41100	-34060
08/31/2014	5555.62	6950	41100	-34150
09/01/2014	5555.44	6880	41100	-34220
09/02/2014	5555.25	6800	41100	-34300
09/03/2014	--	--	--	--

[Later](#) | [Latest](#)

Boca

Capacity 41,100 AF

Storage 6800 AF

Down from Capacity 34,300 AF

WEATHER PROSSER CREEK RESERVOIR (PRS)

Elevation: 5622' · TRUCKEE R basin · Operator: US Geological Survey

Provisional data, subject to change.

Query executed Wednesday at 15:41:34



Select a sensor type for a plot of data.

[Earlier](#)

Date	RES ELE FEET	STORAGE AF	RES CHG AF	TOC STO AF	ABV TOC AF
08/05/2014	5698.20	8080	20	29800	--
08/06/2014	5698.26	8100	20	29800	--
08/07/2014	5698.34	8130	30	29800	--
08/08/2014	5698.36	8130	0	29800	--
08/09/2014	5698.36	8130	0	29800	--
08/10/2014	5698.36	8130	0	29800	--
08/11/2014	5698.35	8130	0	29800	--
08/12/2014	5698.34	8130	0	29800	--
08/13/2014	5698.31	8120	-10	29800	--
08/14/2014	5698.30	8110	-10	29800	--
08/15/2014	5698.28	8110	0	29800	--
08/16/2014	5698.25	8100	-10	29800	--
08/17/2014	5698.23	8090	-10	29800	--
08/18/2014	5698.20	8080	-10	29800	--
08/19/2014	5698.18	8080	0	29800	-21720
08/20/2014	5698.15	8070	-10	29800	-21730
08/21/2014	5698.12	8060	-10	29800	-21740
08/22/2014	5698.10	8050	-10	29800	-21750
08/23/2014	5698.08	8050	0	29800	-21750
08/24/2014	5698.07	8050	0	29800	-21750
08/25/2014	5698.06	8040	-10	29800	-21760
08/26/2014	5698.05	8040	0	29800	-21760
08/27/2014	5698.03	8030	-10	29800	-21770
08/28/2014	5698.02	8030	0	29800	-21770
08/29/2014	5698.00	8020	-10	29800	-21780
08/30/2014	5697.98	8020	0	29800	-21780
08/31/2014	5697.96	8010	-10	29800	-21790
09/01/2014	5697.95	8010	0	29800	-21790
09/02/2014	5697.92	8000	-10	29800	-21800
09/03/2014	--	--	--	--	--

[Later](#) | [Latest](#)

Prosser Creek

Capacity 29,800 AF

Current Storage 8000 AF

Down from Capacity 21,800 AF

Free weather data

[Spatial Overview](#)
[Spatial Maps](#)
[Spatial Reports Login](#)

Spatial Maps

Select the calendar on the right to see daily ET_o or Solar Radiation maps of California based on Spatial CIMIS data. To retrieve and schedule Spatial CIMIS data, please register, log in, and click on the Spatial Report or Schedule Spatial Report tabs above. Spatial data are available back to 2003.

Solar Radiation Map

Spatial CIMIS Solar Radiation maps are generated from remotely sensed satellite data from the Geostationary Operational Environmental Satellites (GOES) using the Heliosat-ii model. See the Spatial Overview for more details.

ET_o Map

Spatial CIMIS ET_o Maps are generated by coupling remotely sensed satellite data from the Geostationary Operational Environmental Satellites (GOES) with interpolated CIMIS station data and using the standardized American Society of Civil Engineers Penman-Monteith equation to calculate ET_o at 2-km spatial resolution. See the Spatial Overview tab above for more details.

ET_o Zone Map

The [ET_o Zones Map](#) allows users to view the reference evapotranspiration (ET_o) Zones for the State of California. The map was developed by DWR and UC Davis and divides the State into 18 zones based on long-term monthly average ET_o. The ET_o values were calculated using data from various data sources including CIMIS weather stations that had at least five years of archived data. This map can also be viewed and/or downloaded as a PDF document using this [link](#).

☐ Solar Radiation Map (MJ/m²)
 ☒ ET_o Map (mm)
 ET_o
09/03/2014

September 2014						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	10	11



ET_o View

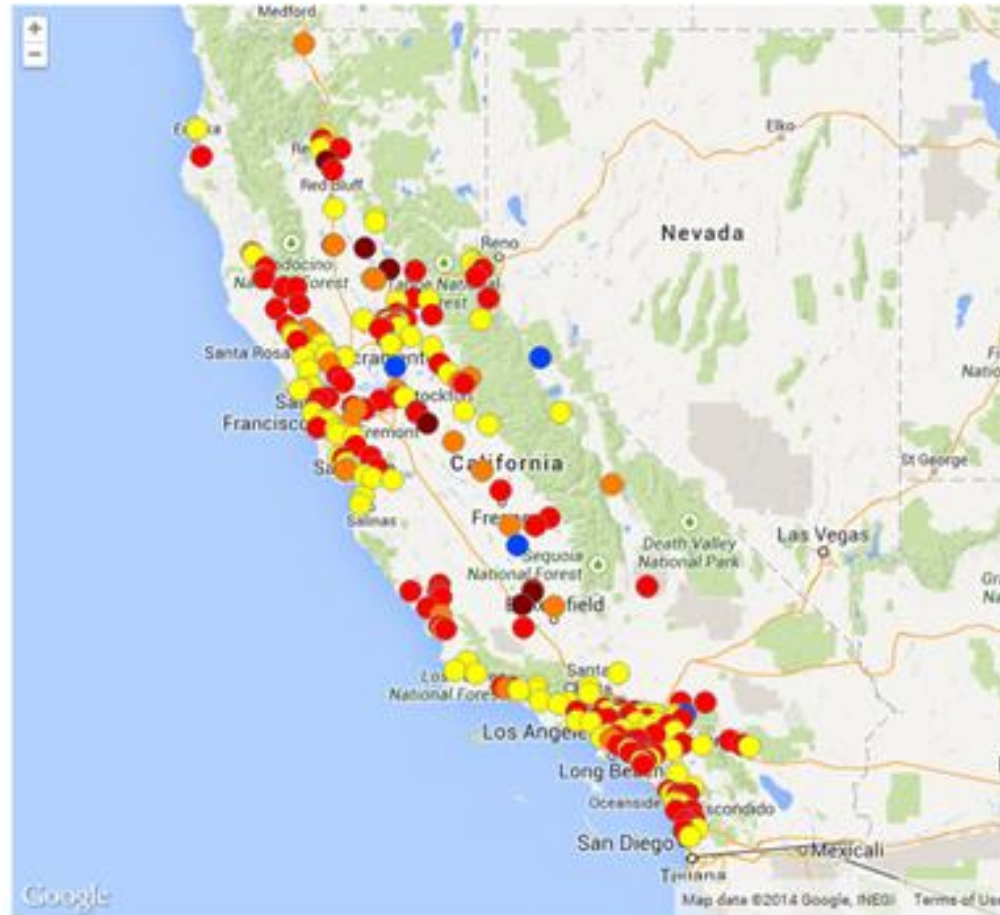
This is a newly emerging technique and is in the process of being refined. Although the data quality presented here is acceptable for many applications, we do not guarantee its accuracy. Therefore, neither the CIMIS program, the Department of Water Resources (DWR), UC Davis, nor any other party who participated in the development of this product shall be responsible for errors in this data, nor for any resulting consequences from using this data.

[Back to Top](#)
[Contact Us](#)
[Site Map](#)

[Conditions of Use](#) | [Privacy Policy](#)
Copyright © 2014 State of California

From ACWA

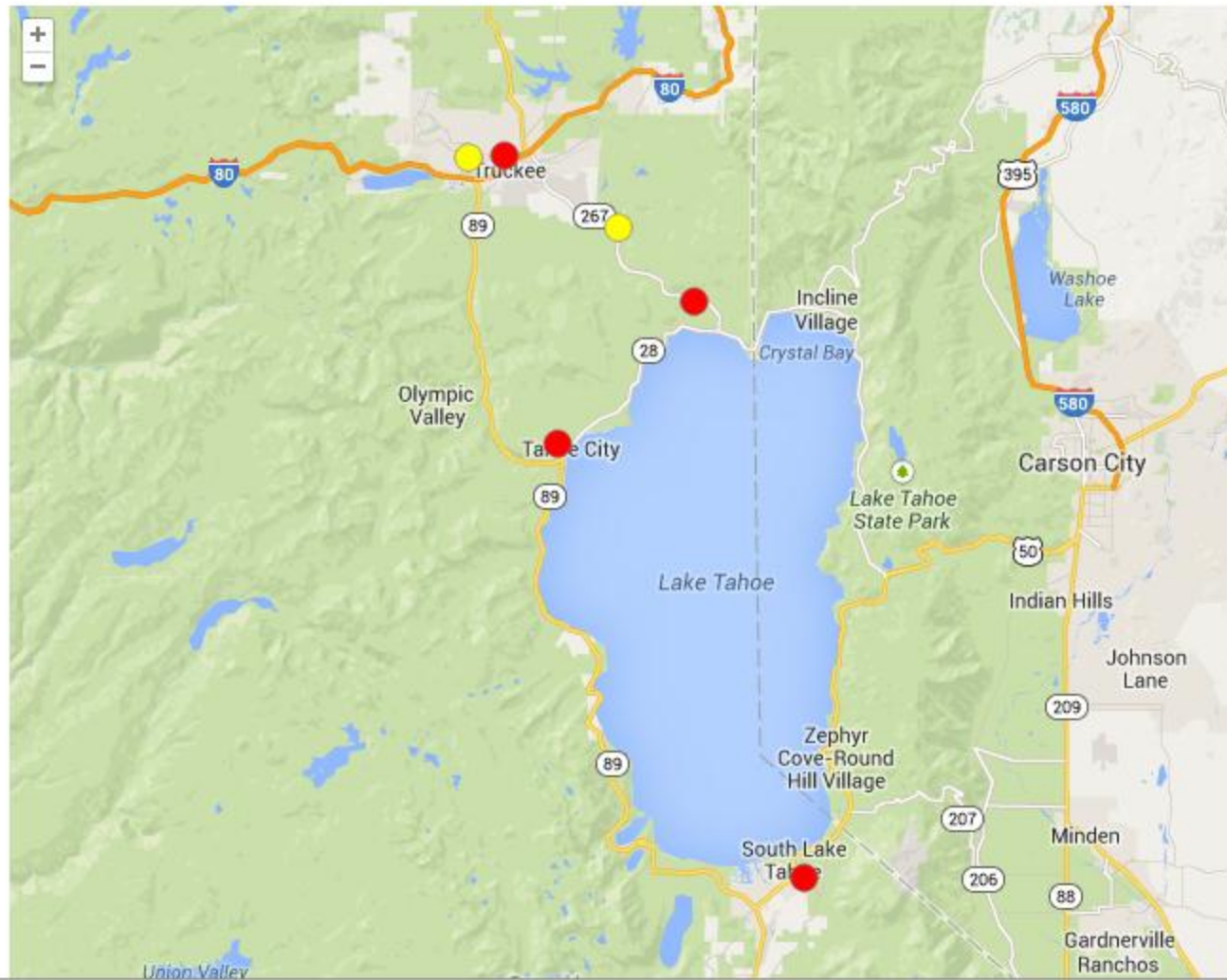
Updated 8/20/14



Drought status data is provided by [Association of California Water Agencies](#)

- Mandatory Restrictions
- Voluntary Measures
- Drought Emergency / Water Shortage Declared
- Agricultural Reductions
- Other actions

Updated 9/2/14



SWRCB Resolution 2014-0038 an Emergency Regulation

- Promote water conservation, prevent waste
- In effect after three dry years
- [Water Suppliers may work with users to correct issues](#)
- 500\$ fine for wasting potable water :
 - Irrigation Runoff
 - Washing pavement
 - Hoses without shut off nozzles
 - Single pass water features
- \$10,000 fine to water suppliers that do not enforce the regulation

Dept. Pesticide Regulation

CE hours

- See Julie ***
- Licensed Pesticide applicators
- 3 hours of “other”
- **Keeping water on the landscape (no runoff) prevents non-point pollution from pesticides**
- Fill in ScanTron AND Sign-in sheet
- Certificate of attendance at the end of today

Questions?



<http://www.saveourh2o.org/>

Contact Information:

Julie.Saare-Edmonds@water.ca.gov
(916) 651 9676