



Hydrologic Conditions and Drought Update

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Outline

- Where we've been
- Where we are
- Where we're going



USGS Computed CA WY Runoff

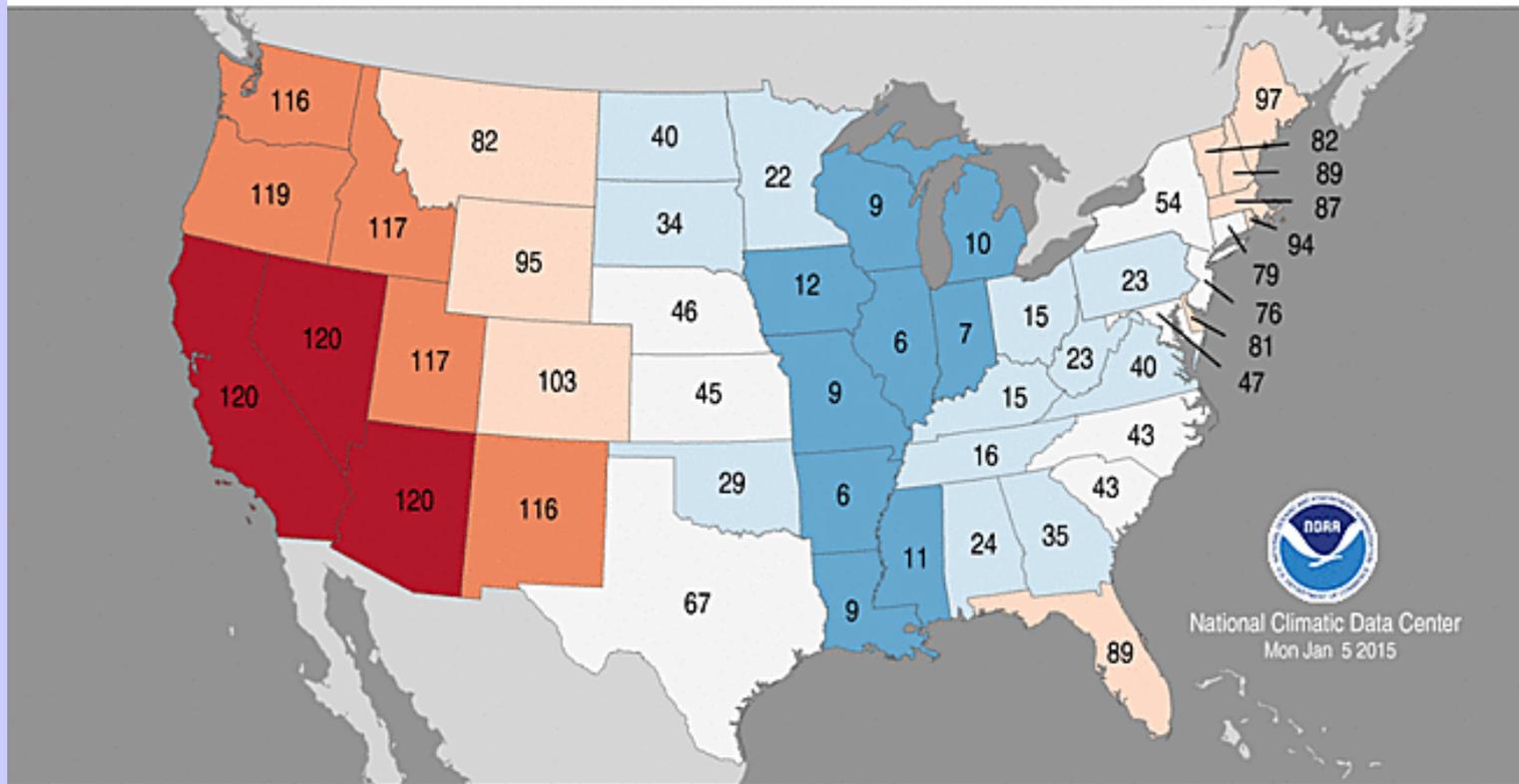
Dozen Driest years -- (rank out of 114)

1. 1977	114 th	7. 1990	108 th
2. 1931	113 th	8. 2001	107 th
3. 1924	112 th	9. 1934	106 th
4. 2014	111 th	10. 1992	105 th
5. 1991	110 th	11. 1976	104 th
6. 1994	109 th	12. 1929	103 rd

Statewide Average Temperature Ranks

January–December 2014

Period: 1895–2014



National Climatic Data Center
Mon Jan 5 2015

Record Coldest
(1)

Much Below Average

Below Average

Near Average

Above Average

Much Above Average

Record Warmest
(120)

Driest Three Consecutive Water Years, Based on Statewide Precipitation

Years	Total Statewide Precipitation, inches
2012-14	44.5
1922-24	45.1
1918-20	46.1
1924-26	46.5
1929-31	46.7
1923-25	46.9
2007-09	48.2
1917-19	49.6
1975-77	49.8
1931-33	50.1

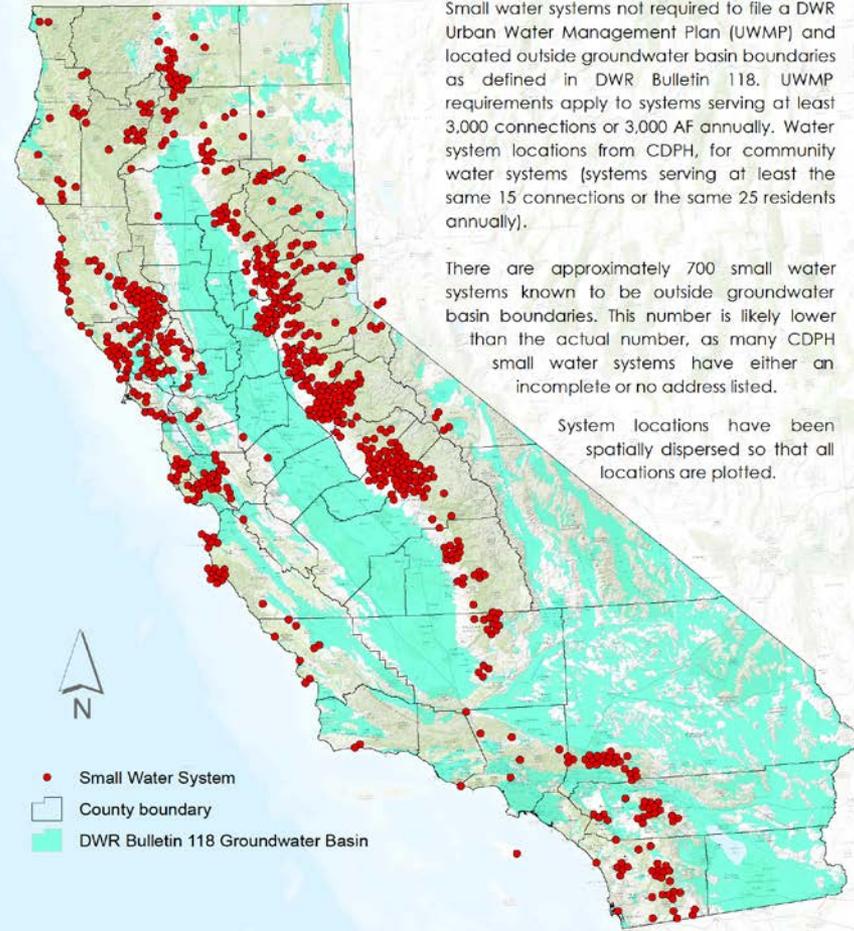
Data from Western Regional Climate Center

Comparison of Water Project Allocations in Dry Years

	1991	2009	2014
SWP	30% / 0%	40%	5%
SWP water rts	50%	100%	100%
CVP N of Delta Ag	25%	40%	0
CVP S of Delta Ag	25%	10%	0
Friant	100%	100%	0
CVP Sac water rts	75%	100%	75%
CVP SJ water rts	75%	100%	65%

Small Water Systems Outside Groundwater Basins

As of February 21, 2014



1:1,542,907
Coordinate System: NAD 1983 UTM Zone 10N
Projection: Transverse Mercator

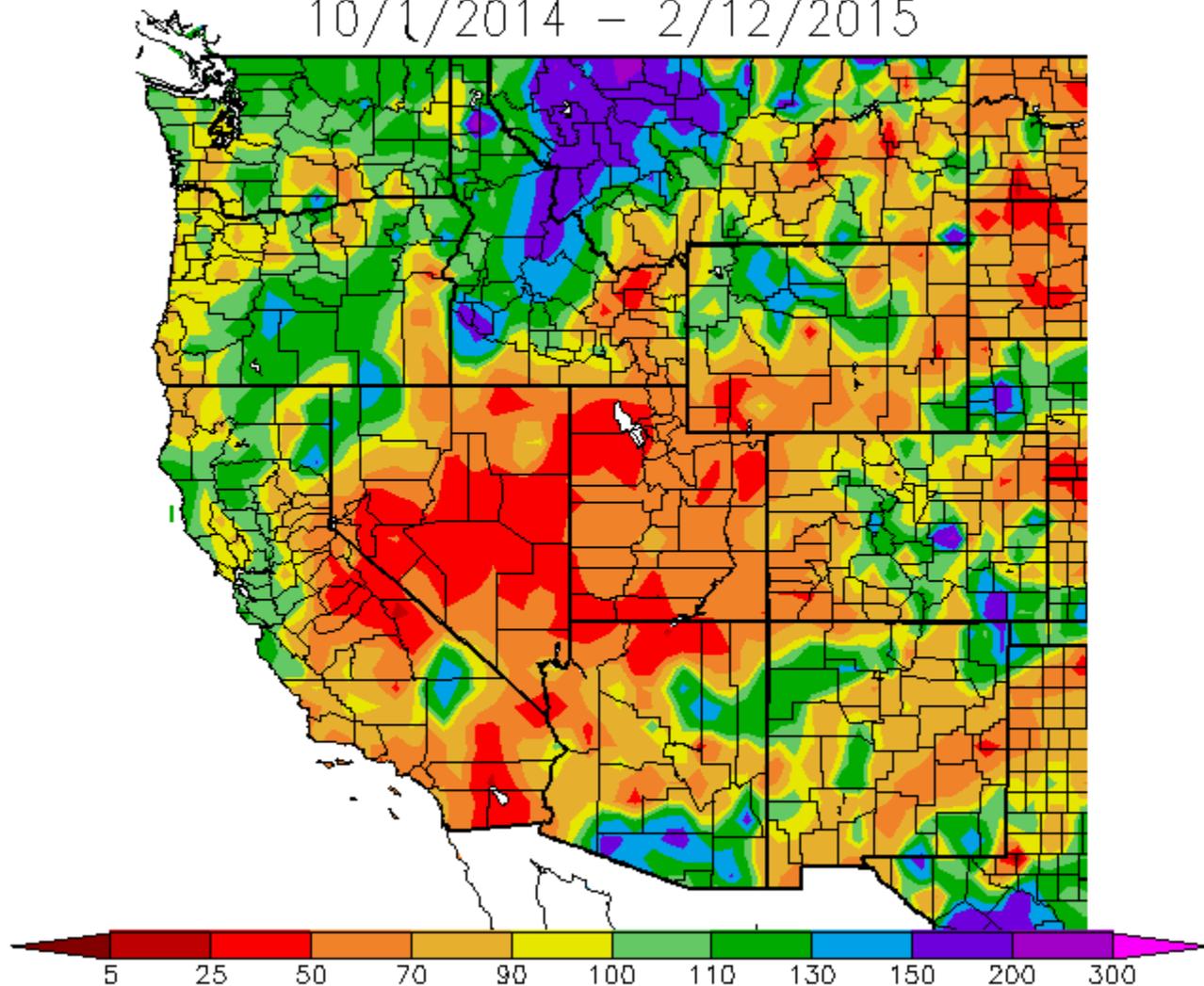


Private Wells Going Dry



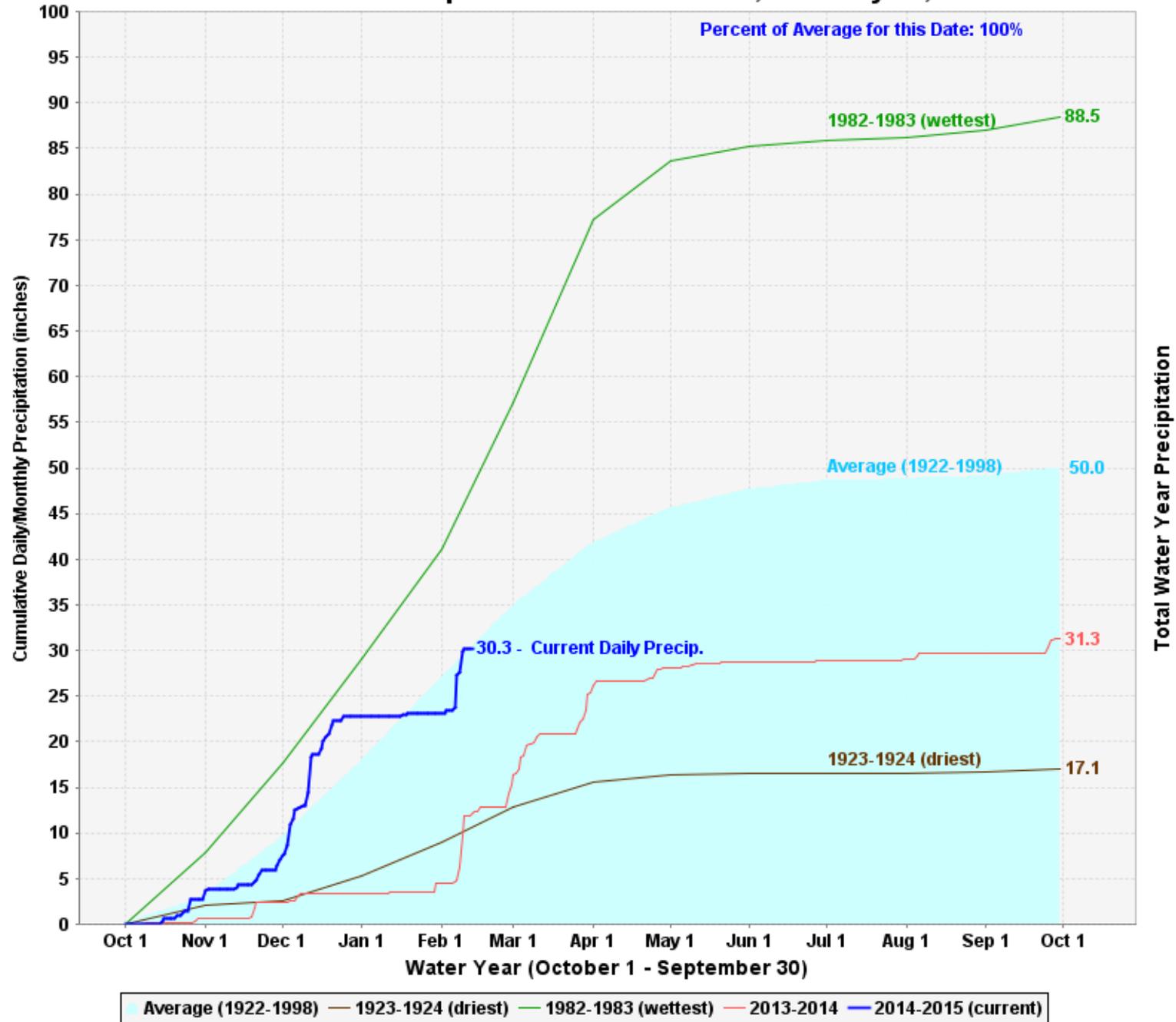
Water Year 2015

Percent of Average Precipitation (%)
10/1/2014 – 2/12/2015

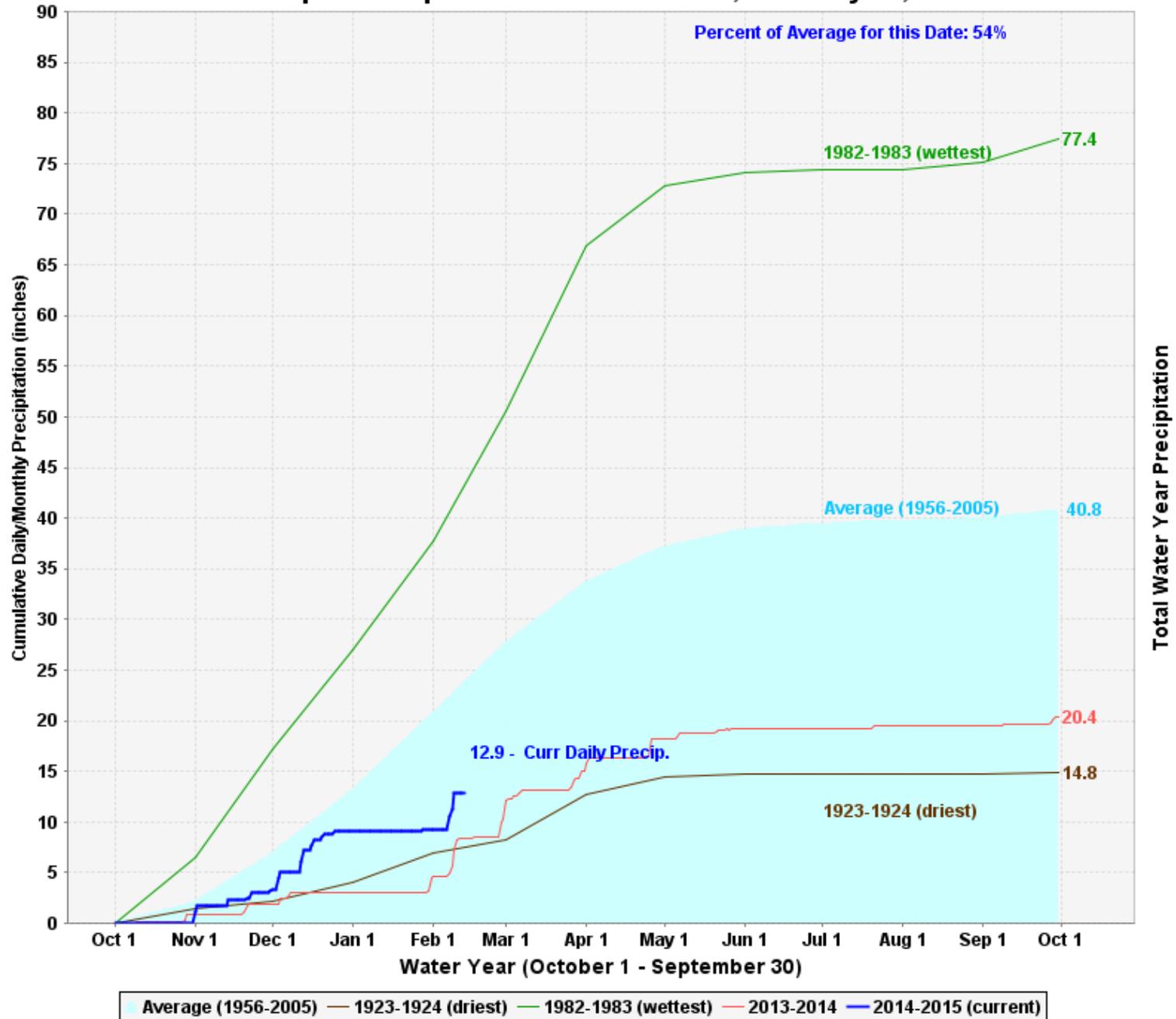


Generated 2/13/2015 at WRCC using provisional data.
NOAA Regional Climate Centers

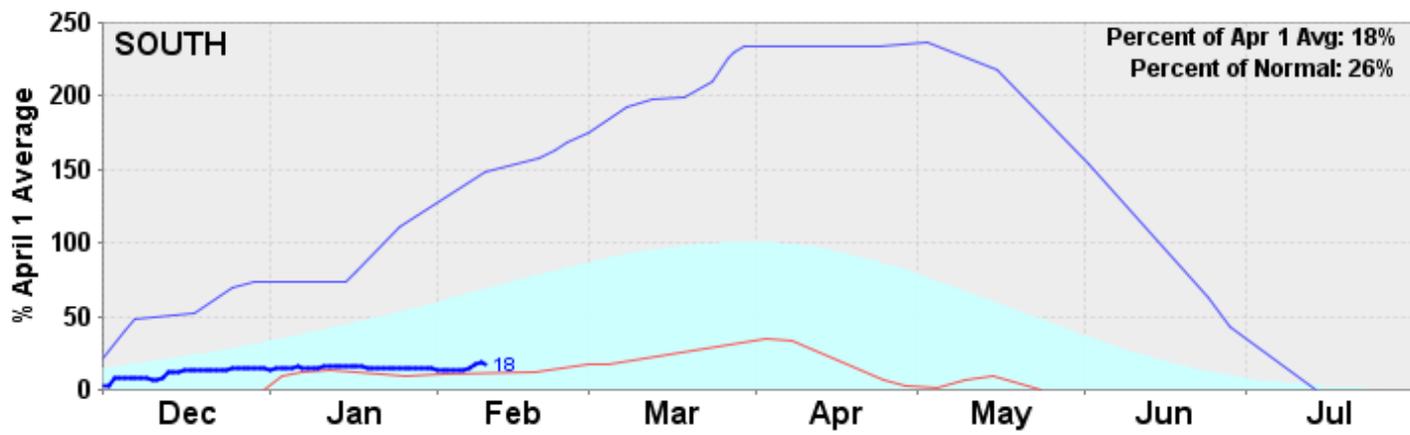
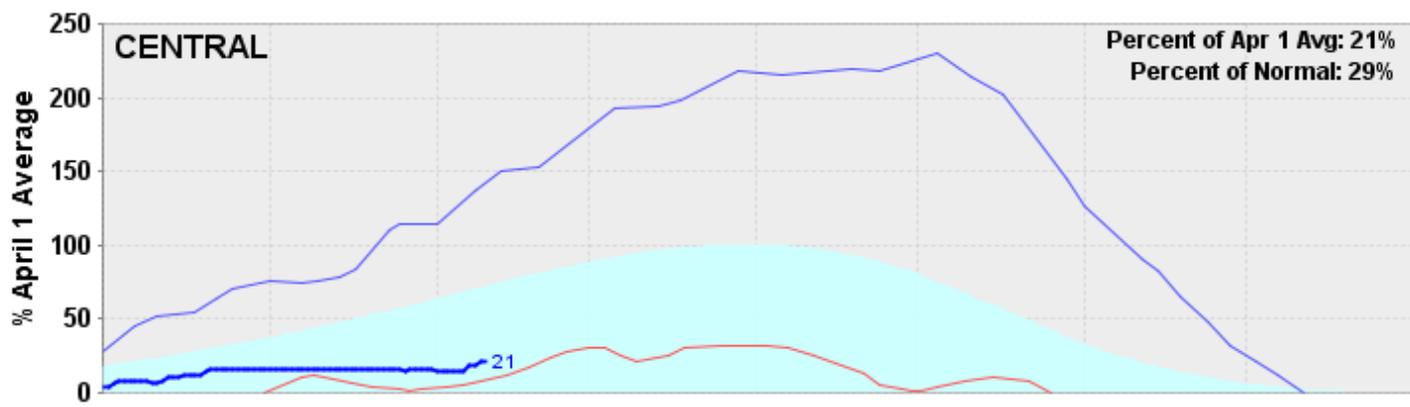
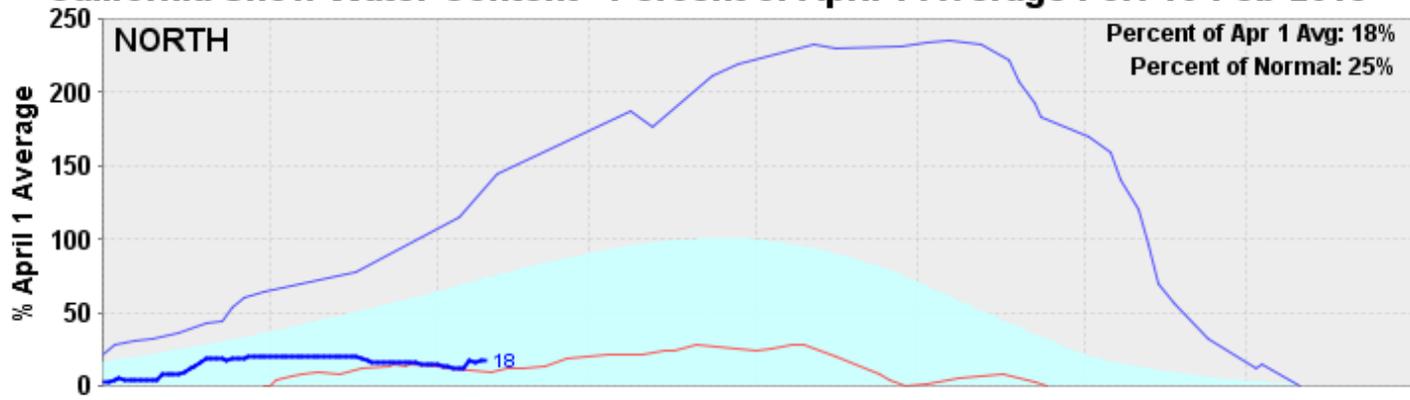
Northern Sierra Precipitation: 8-Station Index, February 13, 2015



San Joaquin Precipitation: 5-Station Index, February 13, 2015



California Snow Water Content - Percent of April 1 Average For: 10-Feb-2015



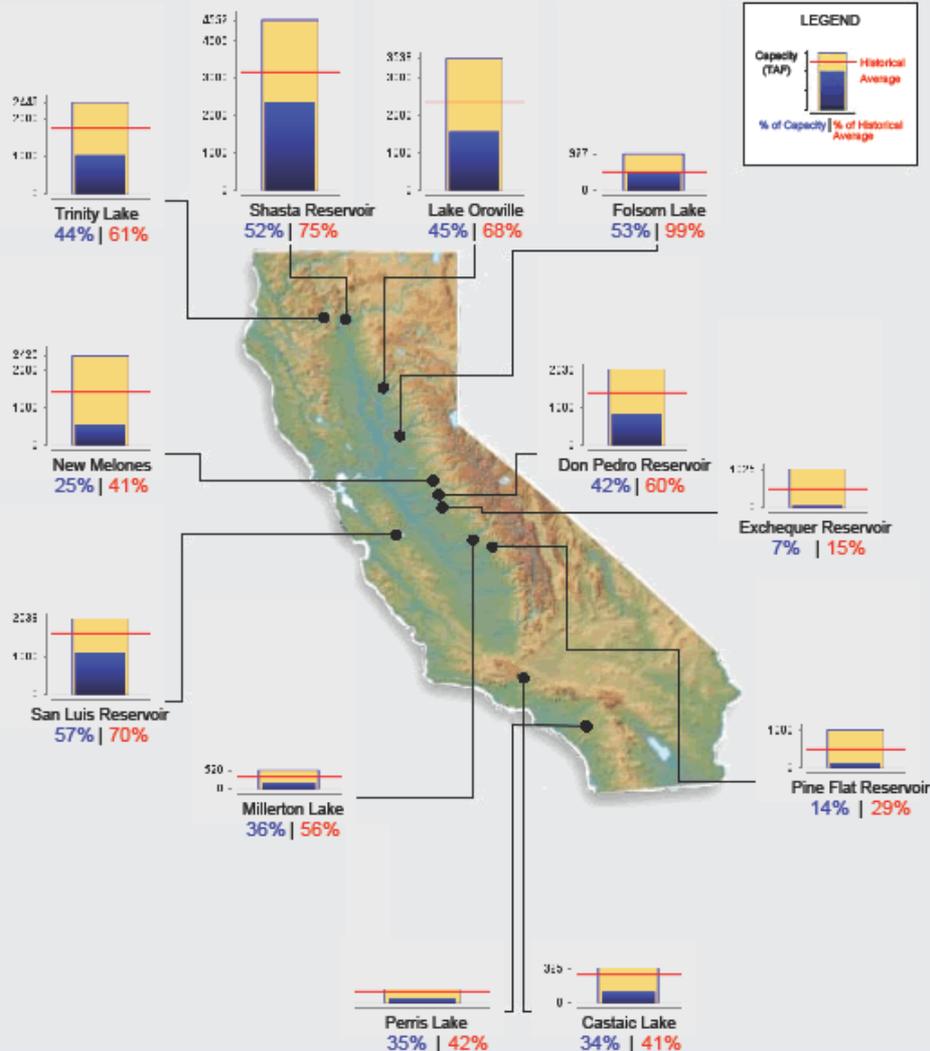
■ Average
 — 1976-1977 (min)
 — 1982-1983 (max)
 — 2014-2015 (current)



Reservoir Conditions

Ending At Midnight - February 10, 2015

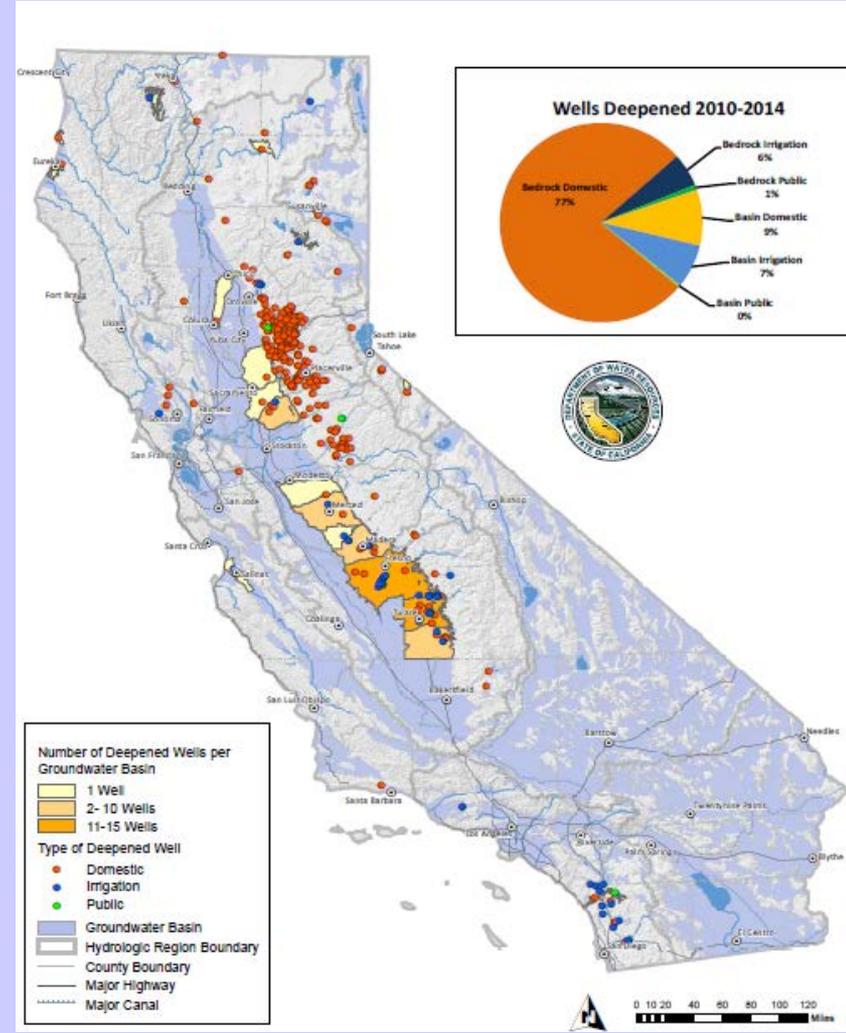
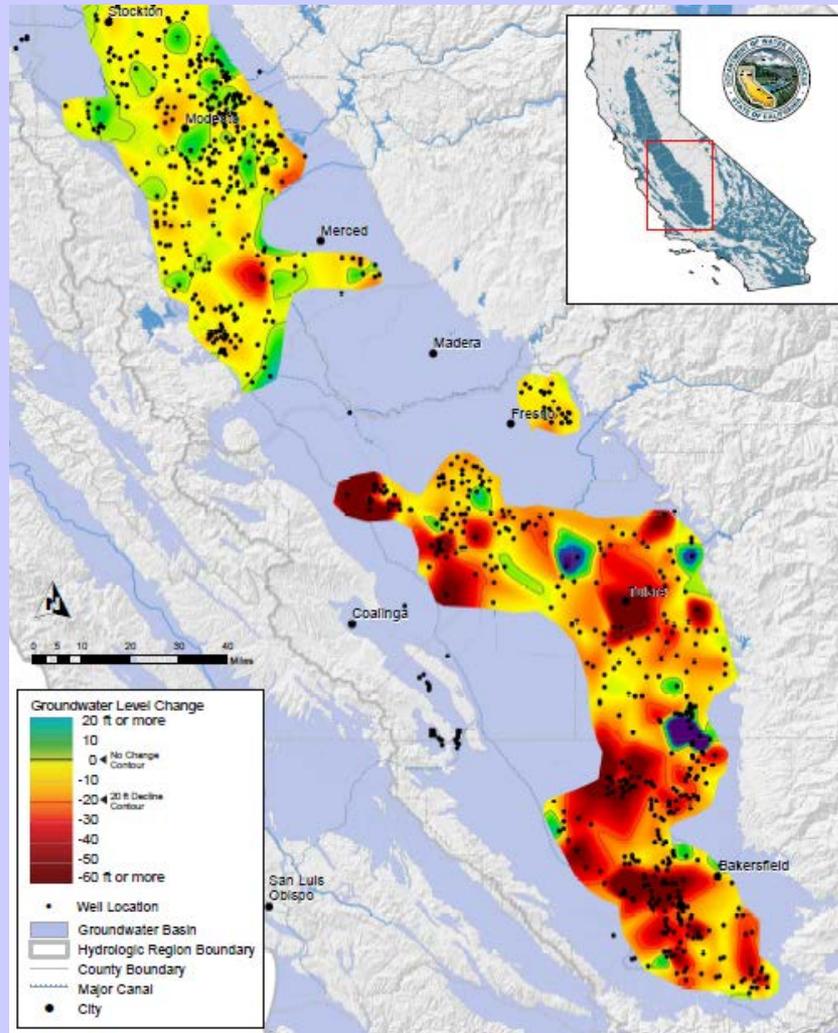
CURRENT RESERVOIR CONDITIONS



Note: Perris lake has replaced Pyramid lake

Graph Updated 02/11/2015 08:15 AM

Groundwater Levels Continuing to Decline



April-July 2015 Runoff Forecasts as of Feb 12th

(50% exceedance)

- Lake Shasta inflow – 67% of historical avg.
- Feather River at Oroville – 50%
- American River below Folsom Lake – 47%
- Tuolumne River below Don Pedro – 53%
- Merced River below McClure – 42%
- San Joaquin River below Millerton – 42%
- Kern River inflow to Isabella – 32%

**Central Valley Project and State Water Project
Drought Contingency Plan
January 15, 2015 – September 30, 2015**

Water Supplies

Big Projects

- SWP allocation: 15%
- CVP allocation:
announcement pending
- Colorado River : full
apportionment

Small Water Systems

- Continuing challenges
- Also, private well owners



GREAT VALUE
DRINKING WATER

American
Red Cross

TULARE COUNTY
FIRE
DEPARTMENT

SE
INC.
1000 W. 10TH ST.
TULARE, CA 95324
WWW.TCFC.COM