

Drought Update CVP & SWP

April 21, 2015

DROUGHT PREPAREDNESS & RESPONSE



PUBLIC SAFETY

ENVIRONMENTAL STEWARDSHIP

ECONOMIC STABILITY

Statewide Drought Conditions

Official State of Emergency
Declared on
January 17, 2014




Local Emergencies Declared



- 25 Counties
- 9 Cities
- 9 Tribal Reservations
- 12 Special Districts

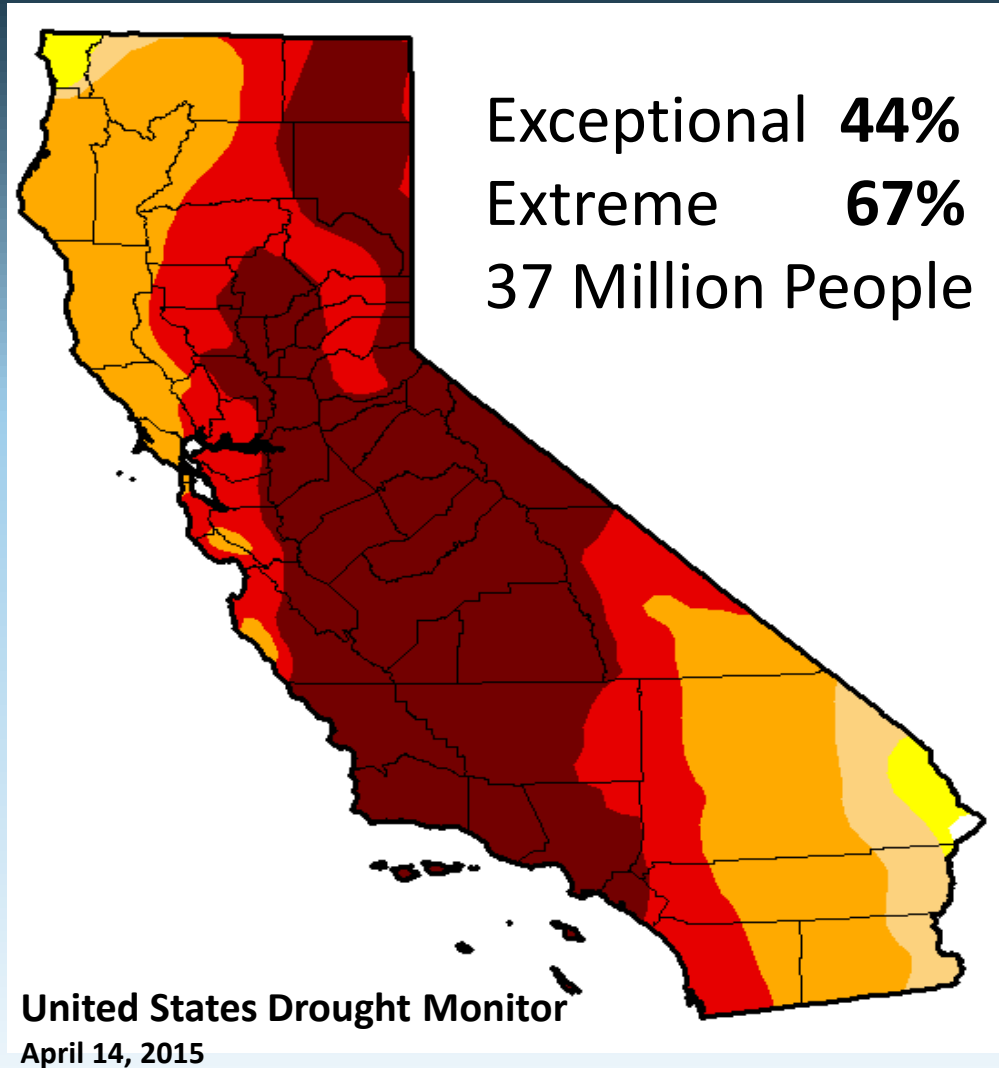
County & Tribal Drought Task Force

- 29 Counties
- 4 Tribes

Intensity:

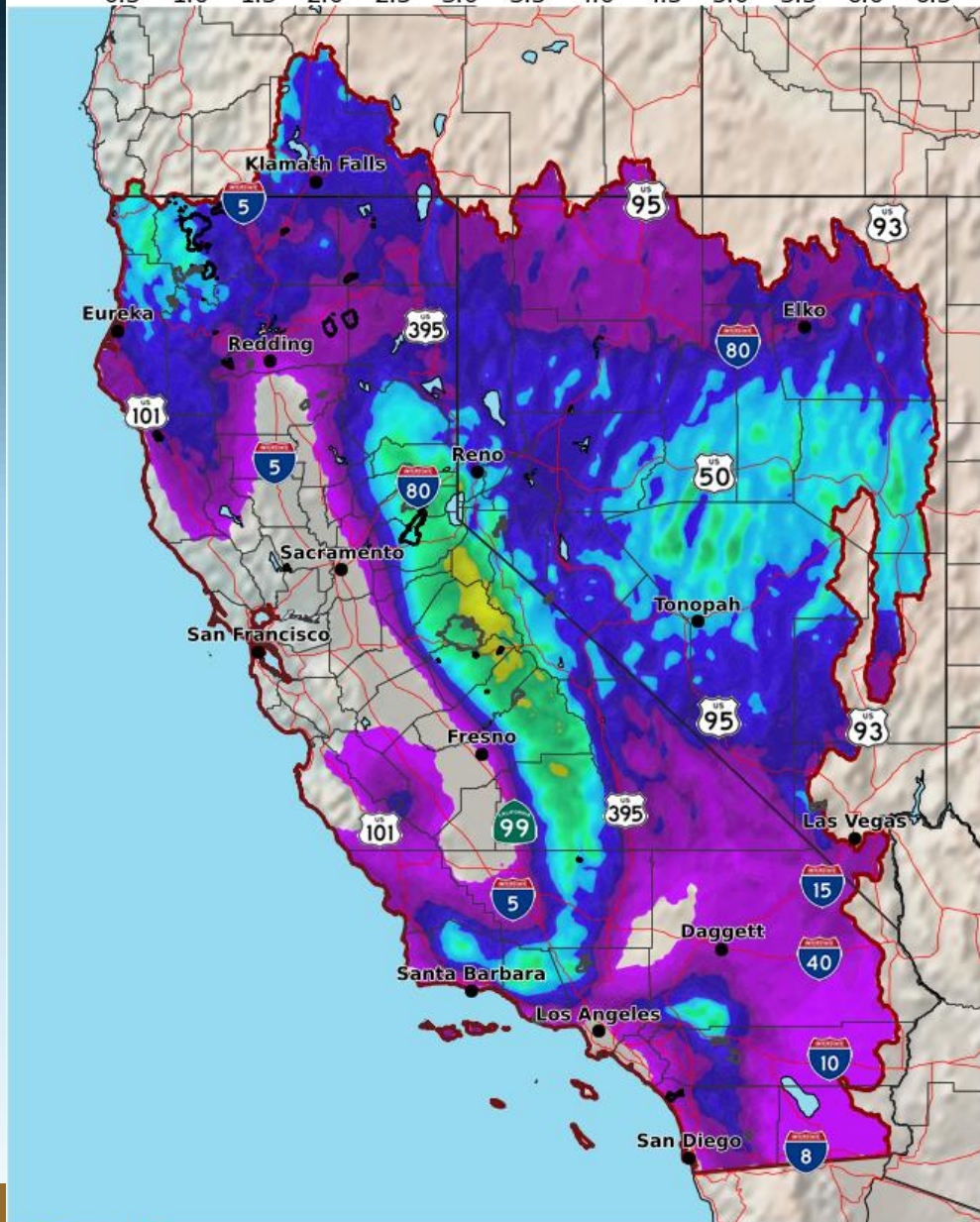
-  D0 - Abnormally Dry
-  D1 - Moderate Drought
-  D2 - Severe Drought

-  D3 - Extreme Drought
-  D4 - Exceptional Drought



6-Day Forecast Precipitation (Inches)

Valid: Mon Apr 20, 2015 at 05 AM PDT to Sun Apr 26, 2015 at 05 AM PDT



National Weather Service
CNRFC - Sacramento, CA

Created: 04/20/2015 07:45 AM PDT

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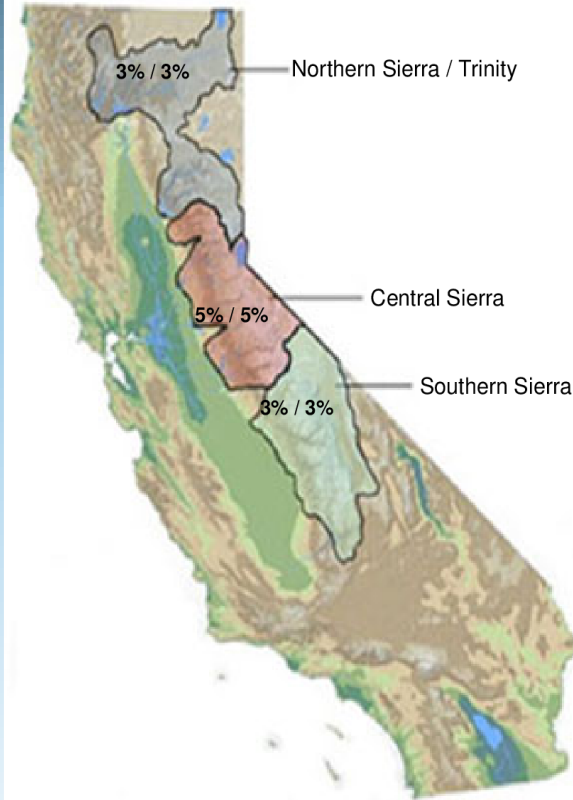
S & RESPONSE



Statewide Summary of Snow Water Content

Current Regional Snowpack from Automated Snow Sensors

% of April 1 Average / % of Normal for This Date



NORTH	
Data as of April 17, 2015	
Number of Stations Reporting	30
Average snow water equivalent (Inches)	1.0
Percent of April 1 Average (%)	3
Percent of normal for this date (%)	3

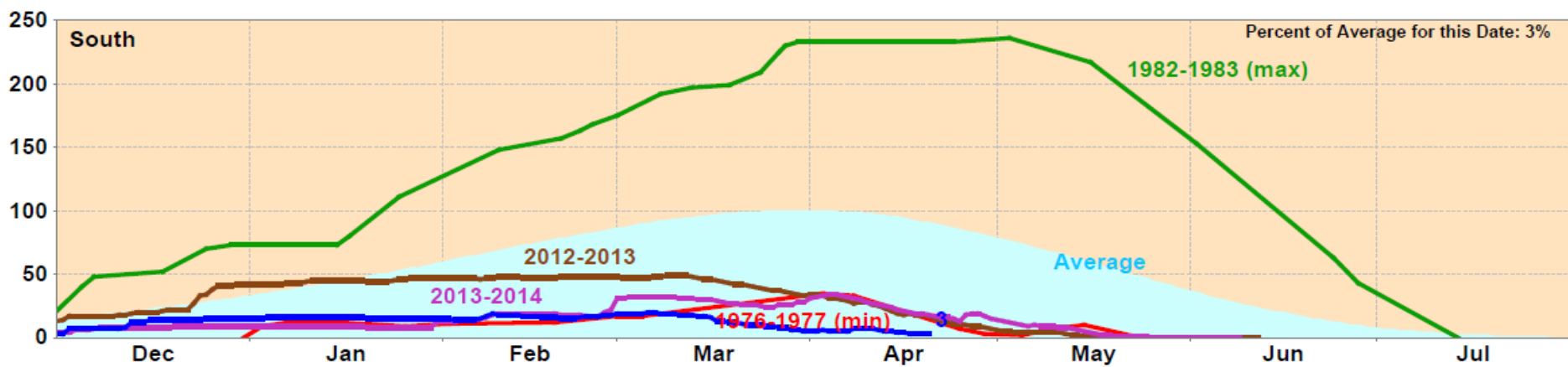
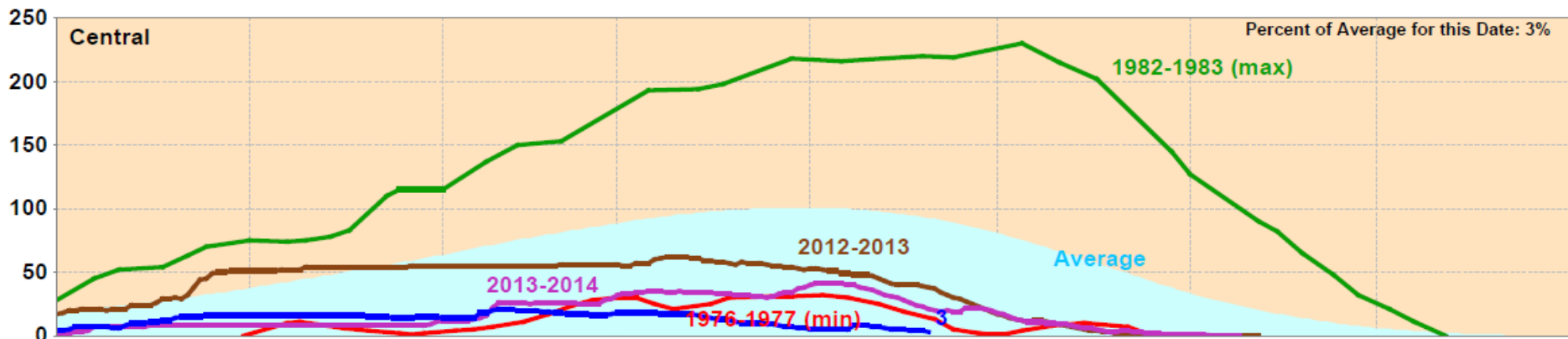
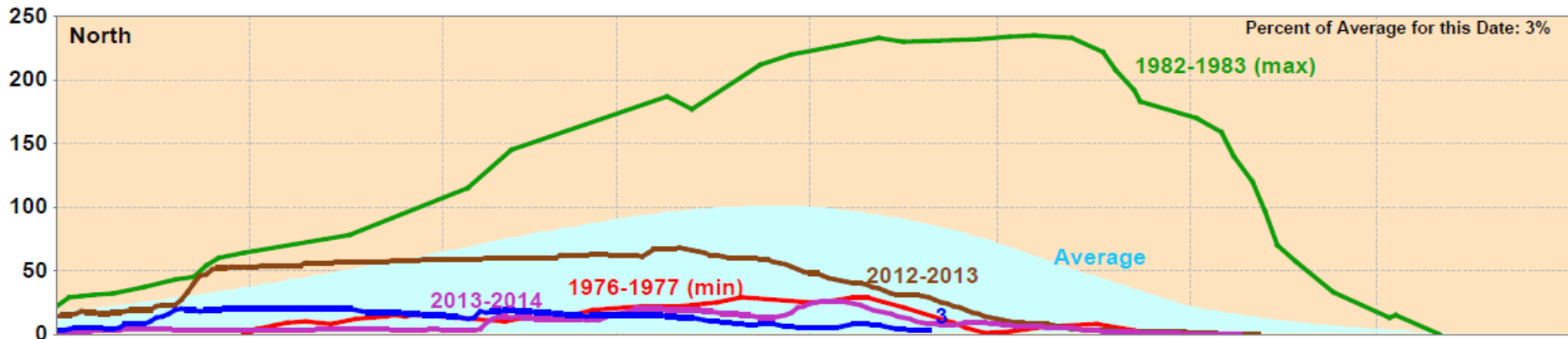
CENTRAL	
Data as of April 17, 2015	
Number of Stations Reporting	43
Average snow water equivalent (Inches)	1.4
Percent of April 1 Average (%)	5
Percent of normal for this date (%)	5

SOUTH	
Data as of April 17, 2015	
Number of Stations Reporting	27
Average snow water equivalent (Inches)	0.8
Percent of April 1 Average (%)	3
Percent of normal for this date (%)	3

STATE	
Data as of April 17, 2015	
Number of Stations Reporting	100
Average snow water equivalent (Inches)	1.1
Percent of April 1 Average (%)	4
Percent of normal for this date (%)	4

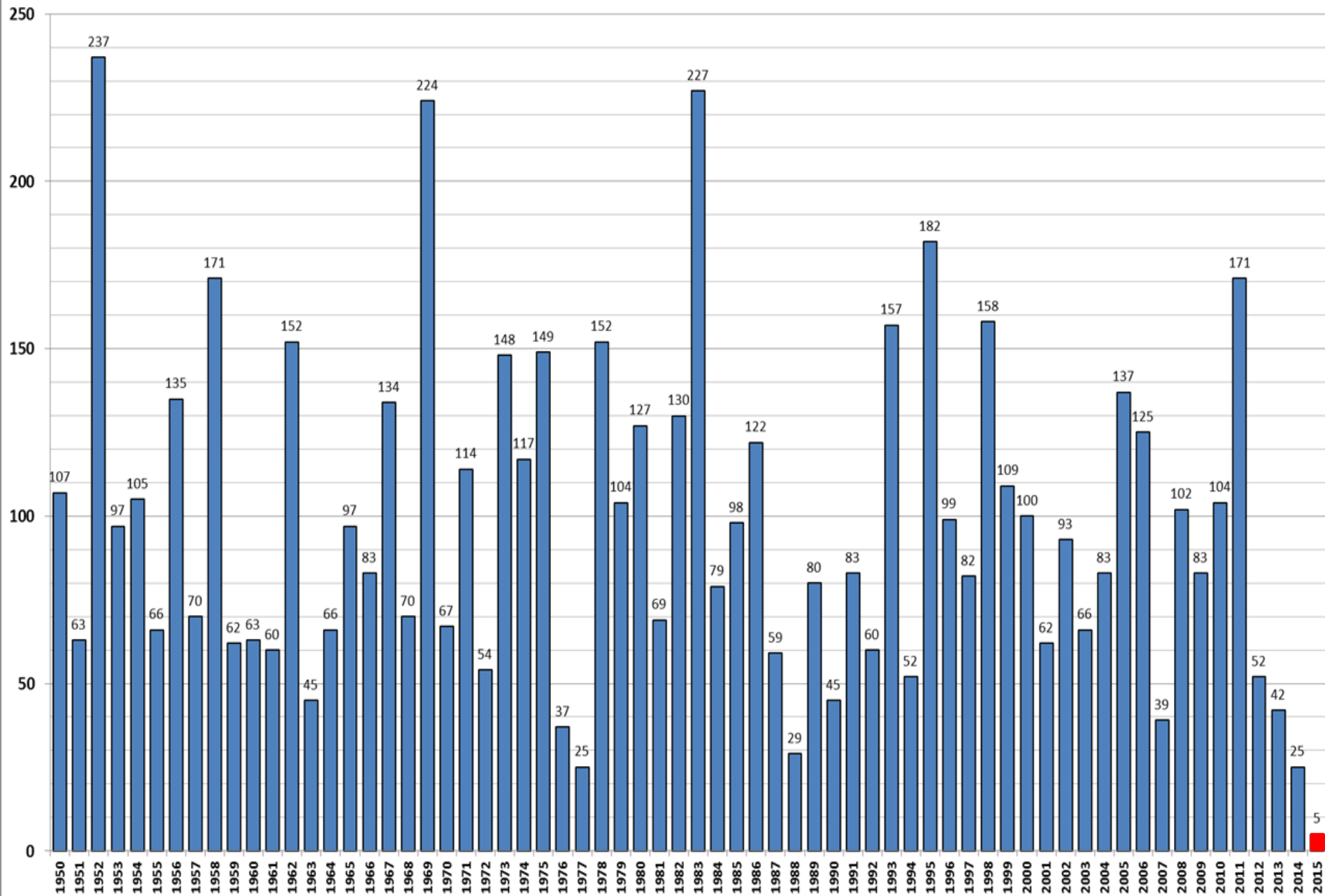
Statewide Average: 4% / 4%

California Snow Water Content, April 20, 2015, Percent of April 1 Average

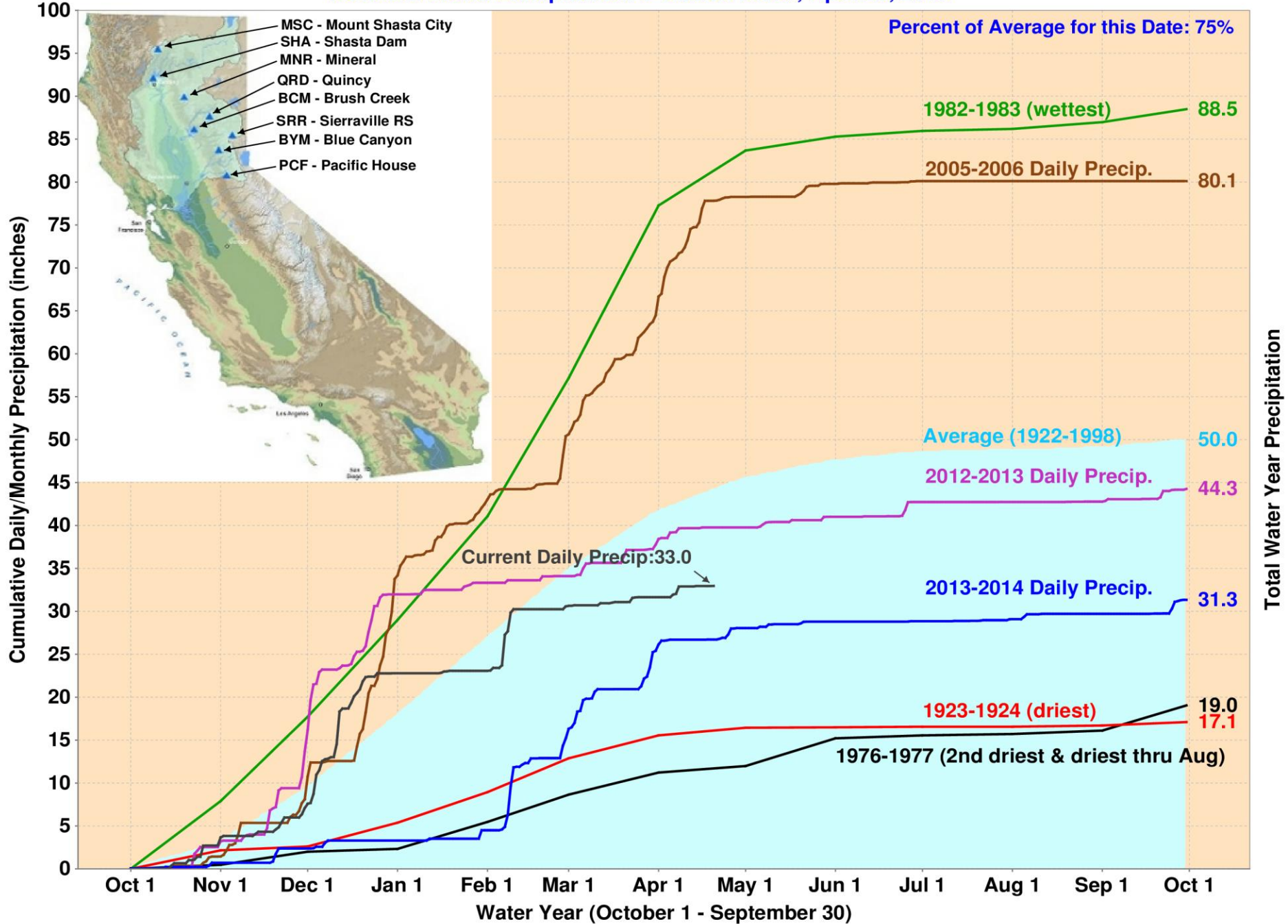


April 1 Snowpack Water Content

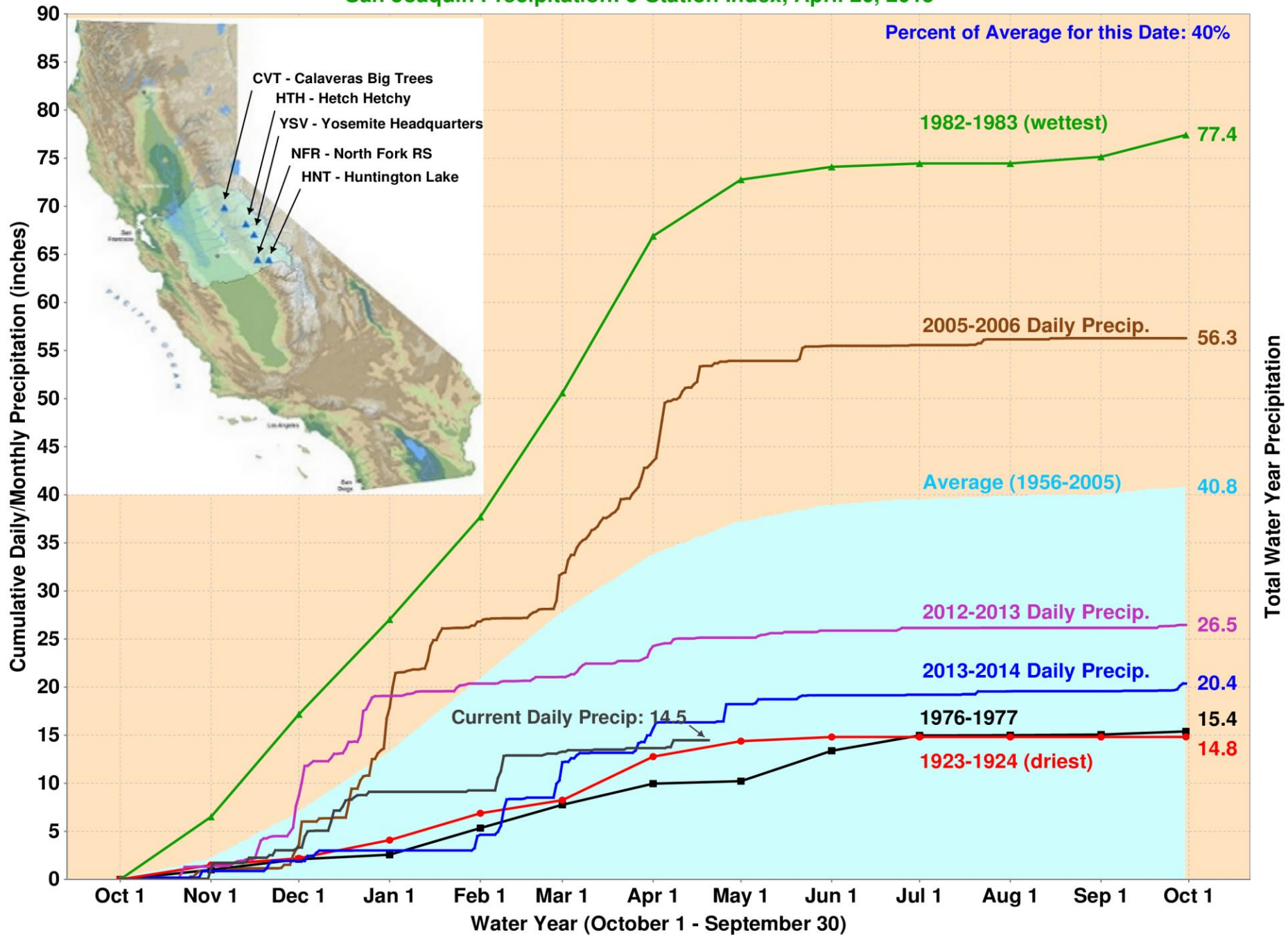
Statewide Percent of Average



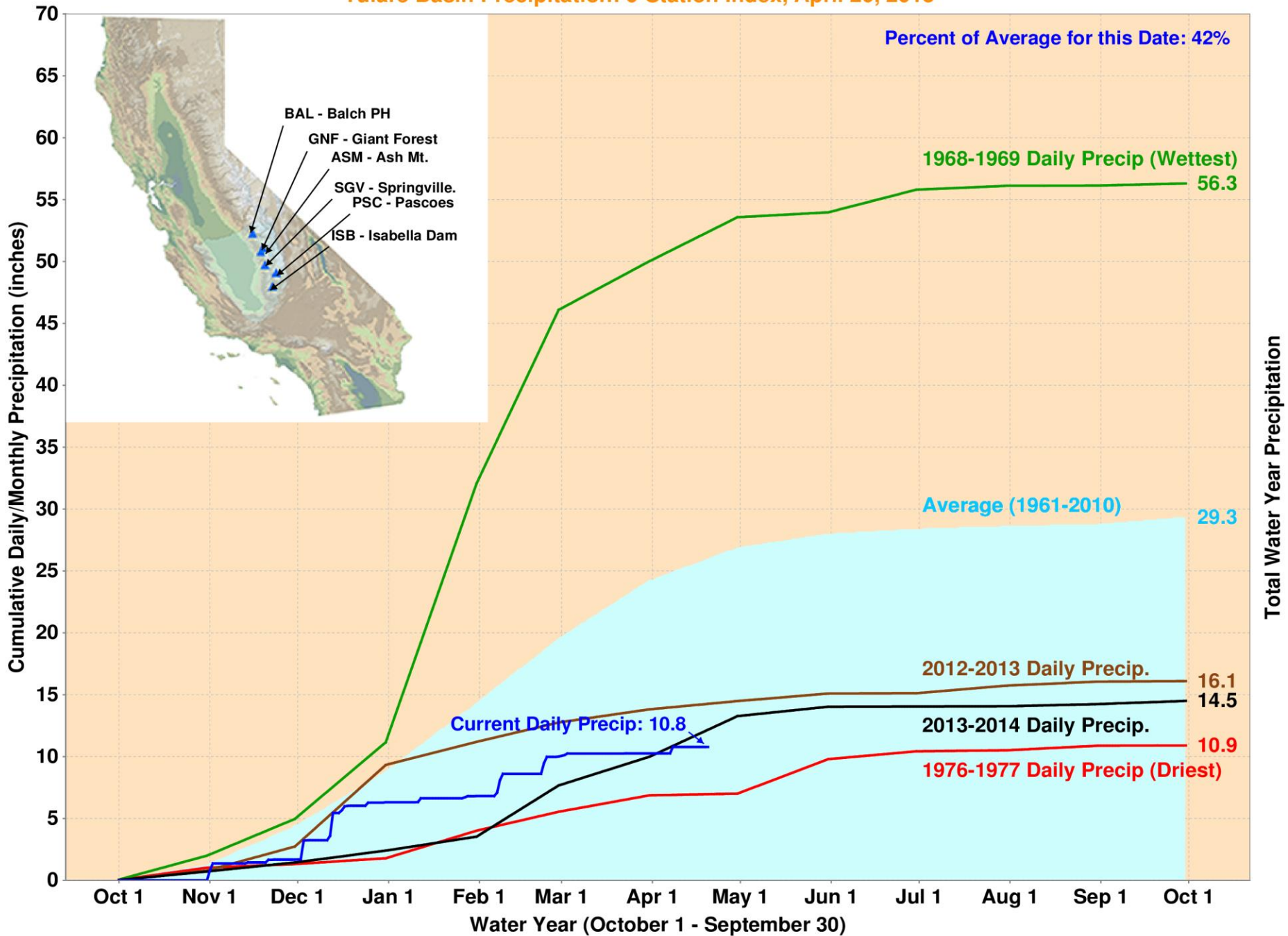
Northern Sierra Precipitation: 8-Station Index, April 20, 2015



San Joaquin Precipitation: 5-Station Index, April 20, 2015



Tulare Basin Precipitation: 6-Station Index, April 20, 2015

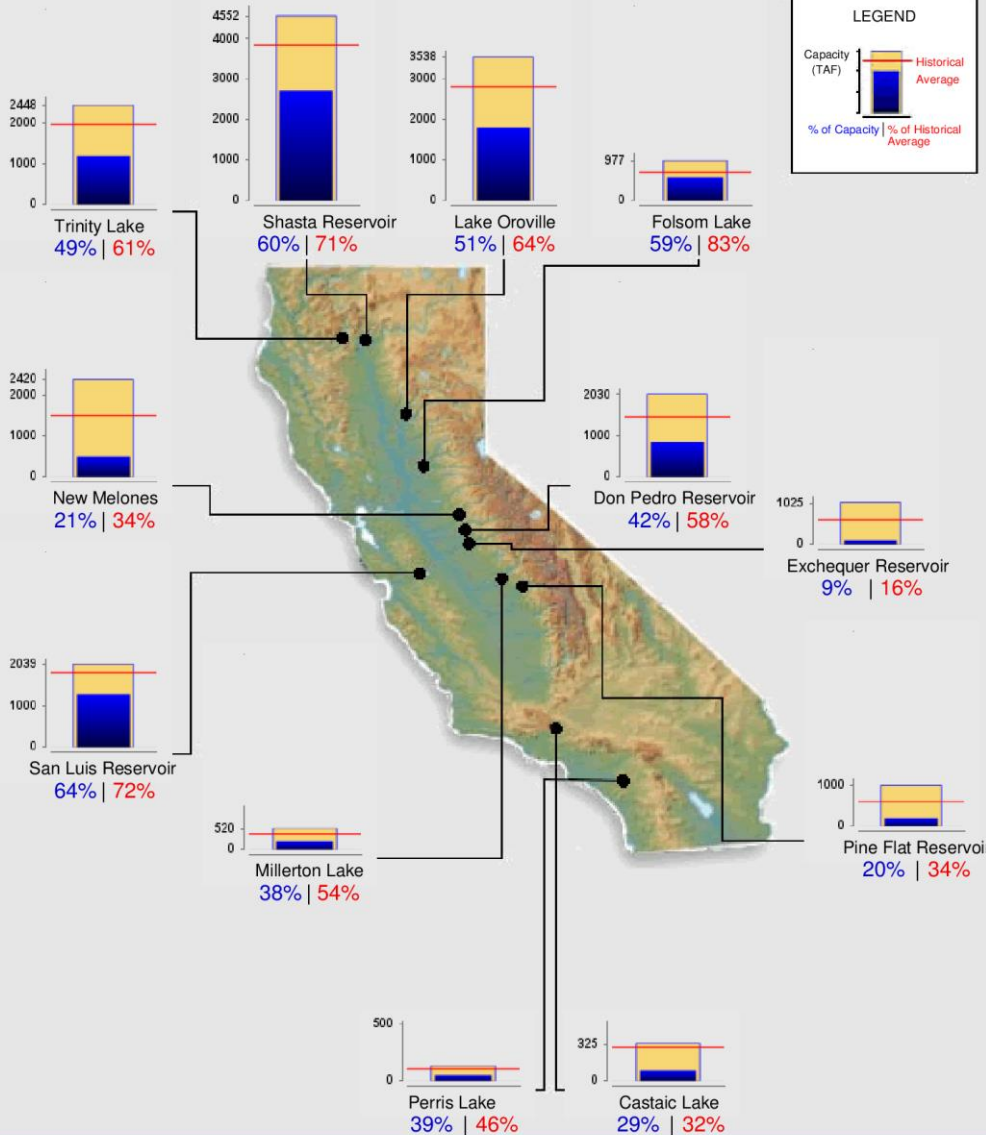




Reservoir Conditions

Ending At Midnight - April 19, 2015

CURRENT RESERVOIR CONDITIONS



	% Cap	% Avg
Trinity	49	61
Shasta	60	71
Oroville	51	64
Folsom	59	83
New Melones	21	34
San Luis	64	72

PREPAREDNESS & RESPONSE



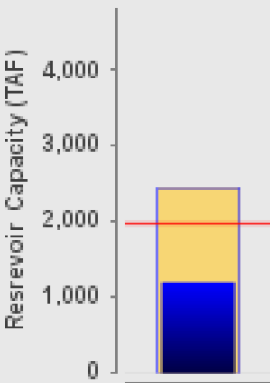
Reservoir Conditions - Trinity Lake



Trinity Lake

Trinity Lake Conditions

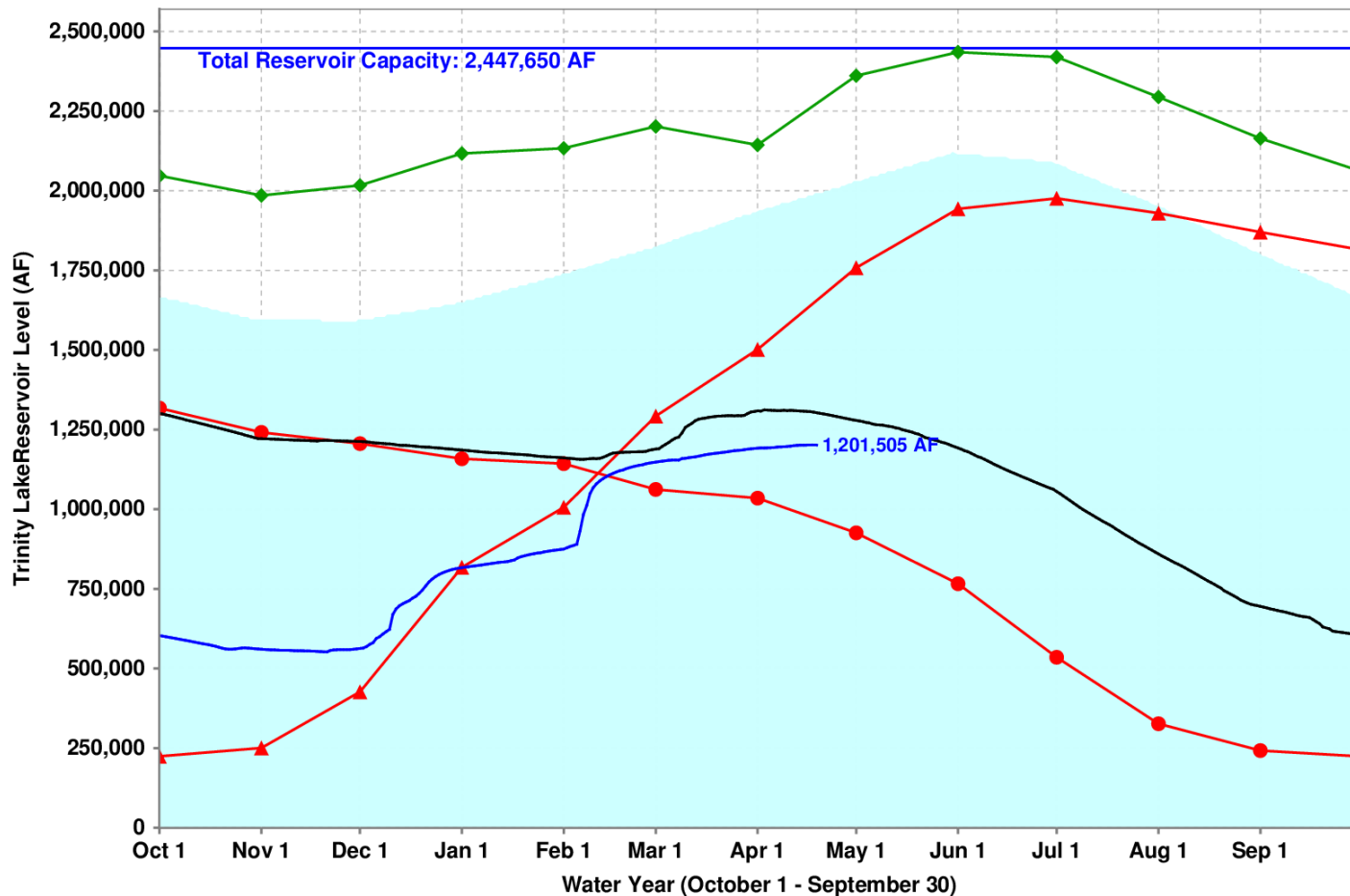
(as of Midnight - April 19, 2015)



Current Level: 1,201,505 AF

49% (Total Capacity) | 61% (Historical Avg.)

Trinity Lake Levels: Various Past Water Years and Current Water Year, Ending At Midnight April 19, 2015





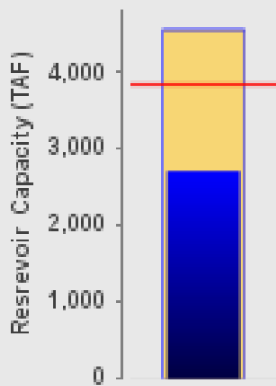
Reservoir Conditions - Shasta Reservoir



Lake Shasta

Lake Shasta Conditions

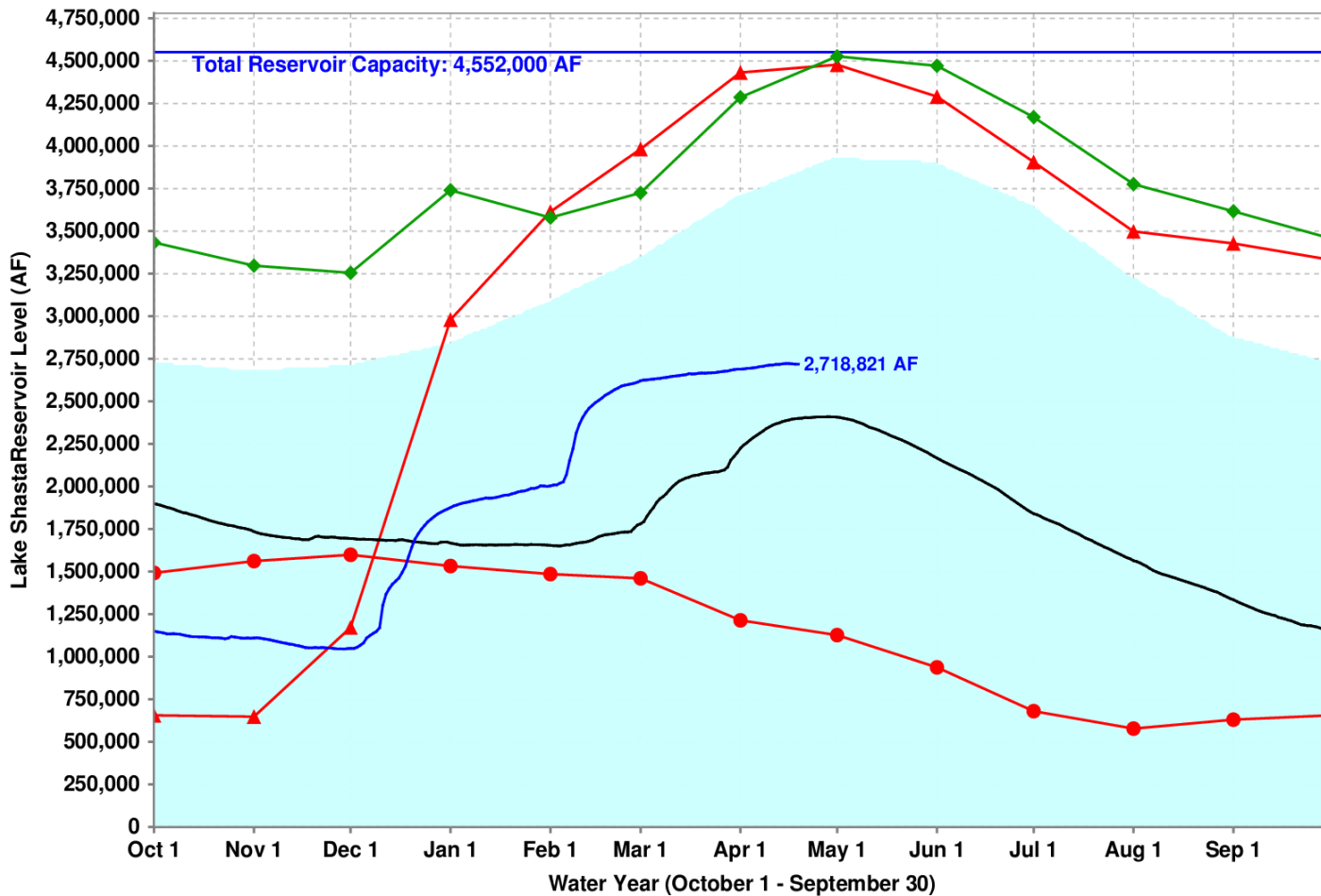
(as of Midnight - April 19, 2015)



Current Level: 2,718,821 AF

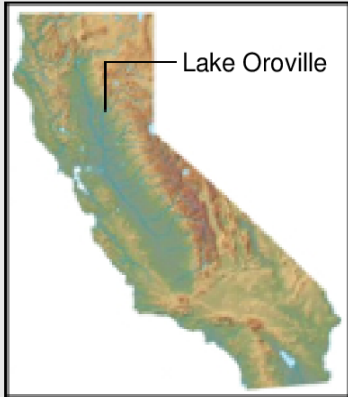
60% (Total Capacity) | 71% (Historical Avg.)

Lake Shasta Levels: Various Past Water Years and Current Water Year, Ending At Midnight April 19, 2015



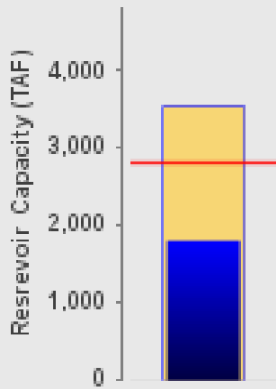


Reservoir Conditions - Lake Oroville



Lake Oroville Conditions

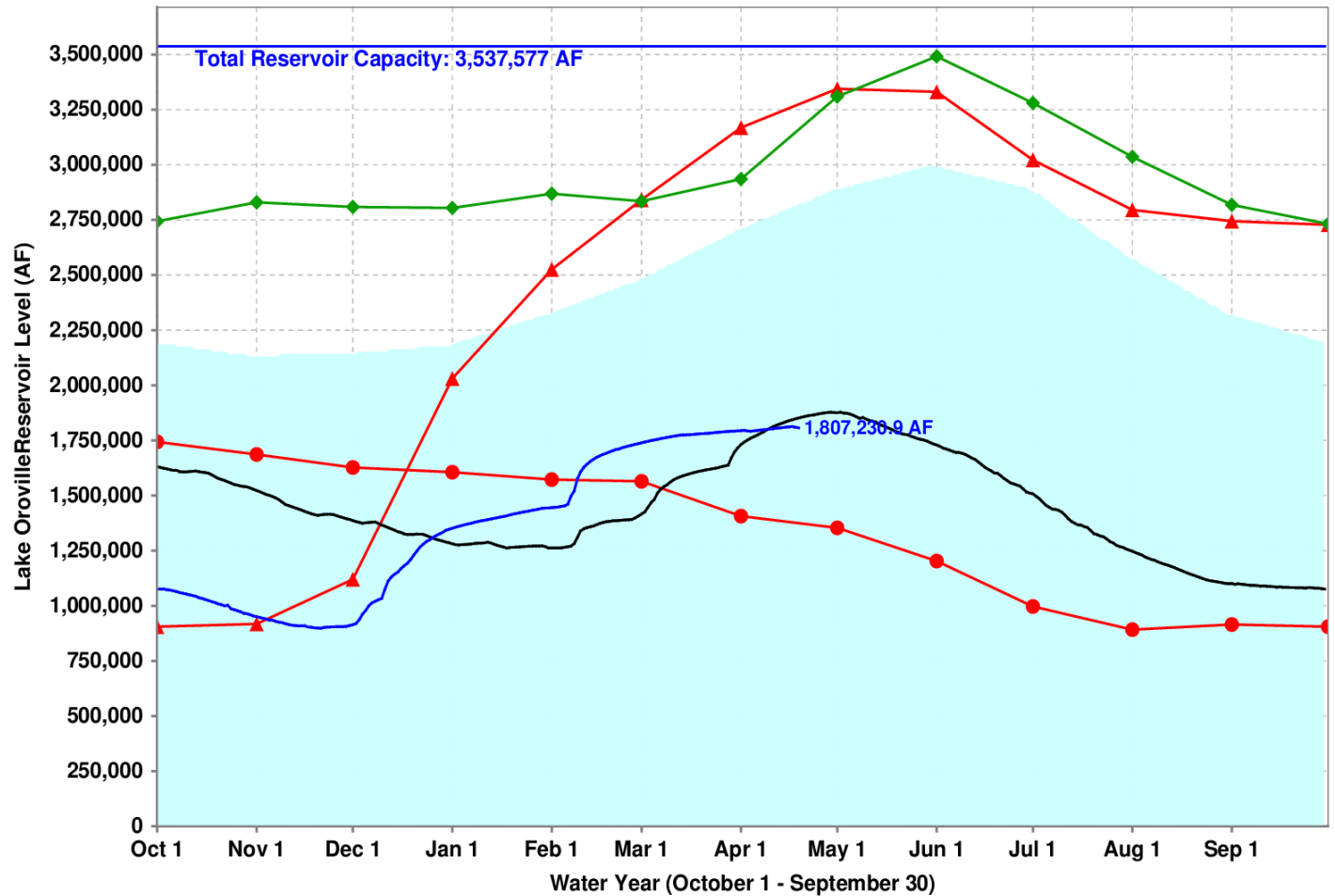
(as of Midnight - April 19, 2015)



Current Level: 1,807,230.9 AF

51% (Total Capacity) | 64% (Historical Avg.)

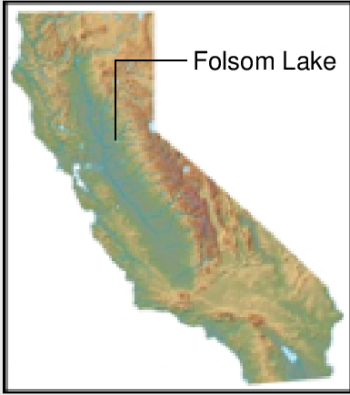
Lake Oroville Levels: Various Past Water Years and Current Water Year, Ending At Midnight April 19, 2015



■ Historical Average
 — Total Reservoir Capacity
 ● 1976-1977 (Driest)
 ▲ 1977-1978
 ◆ 1982-1983 (Wettest)
 — 2013-2014
 — Current: 2014-2015

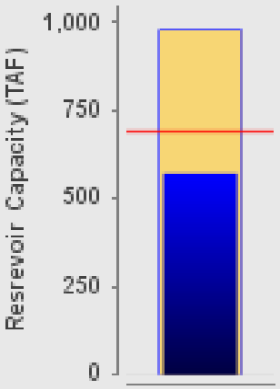


Reservoir Conditions - Folsom Lake



Folsom Lake Conditions

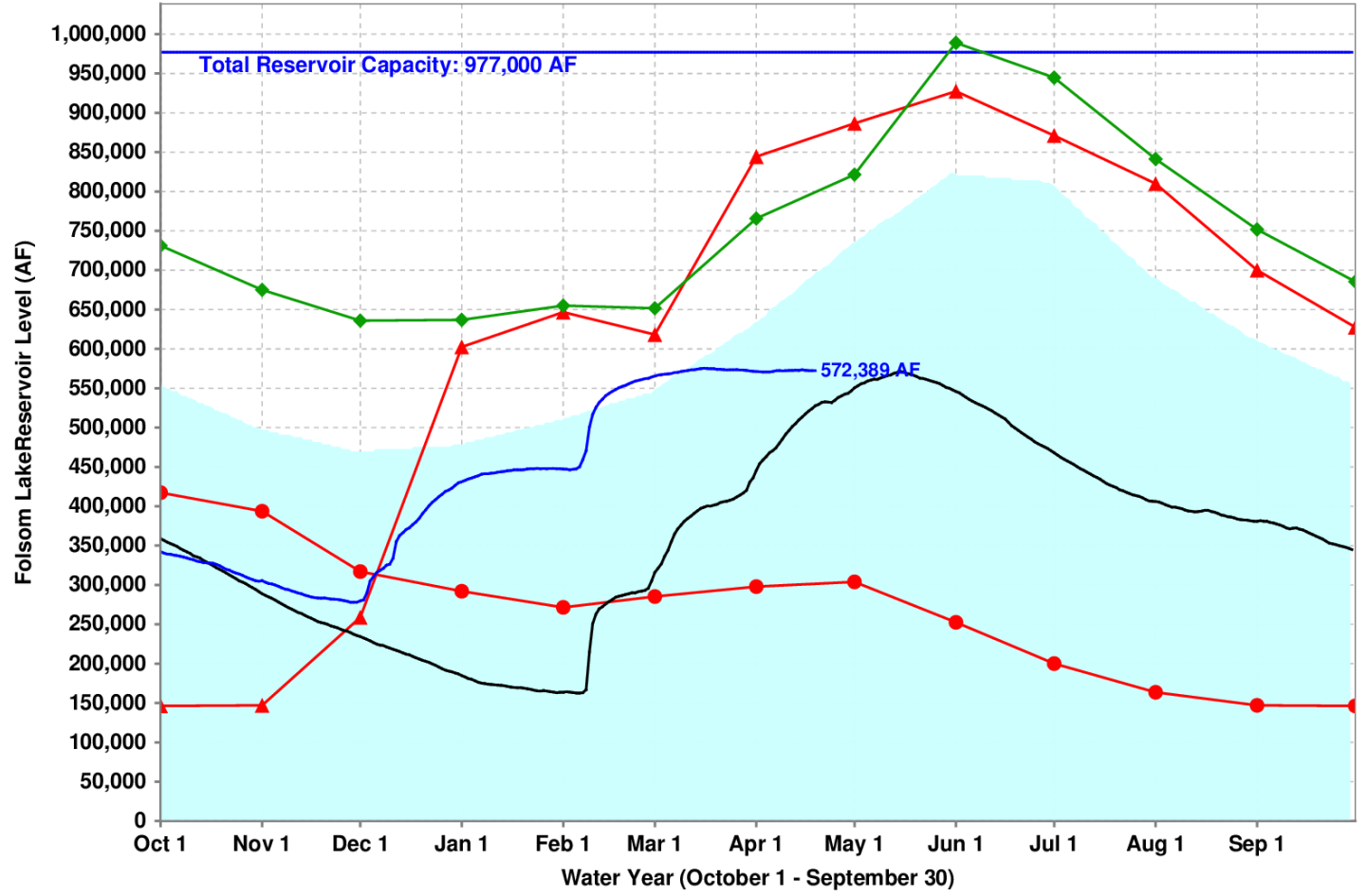
(as of Midnight - April 19, 2015)



Current Level: 572,389 AF

59% (Total Capacity) | 83% (Historical Avg.)

Folsom Lake Levels: Various Past Water Years and Current Water Year, Ending At Midnight April 19, 2015



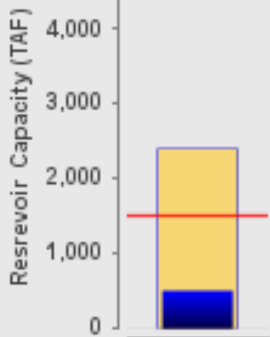


Reservoir Conditions - New Melones



New Melones Conditions

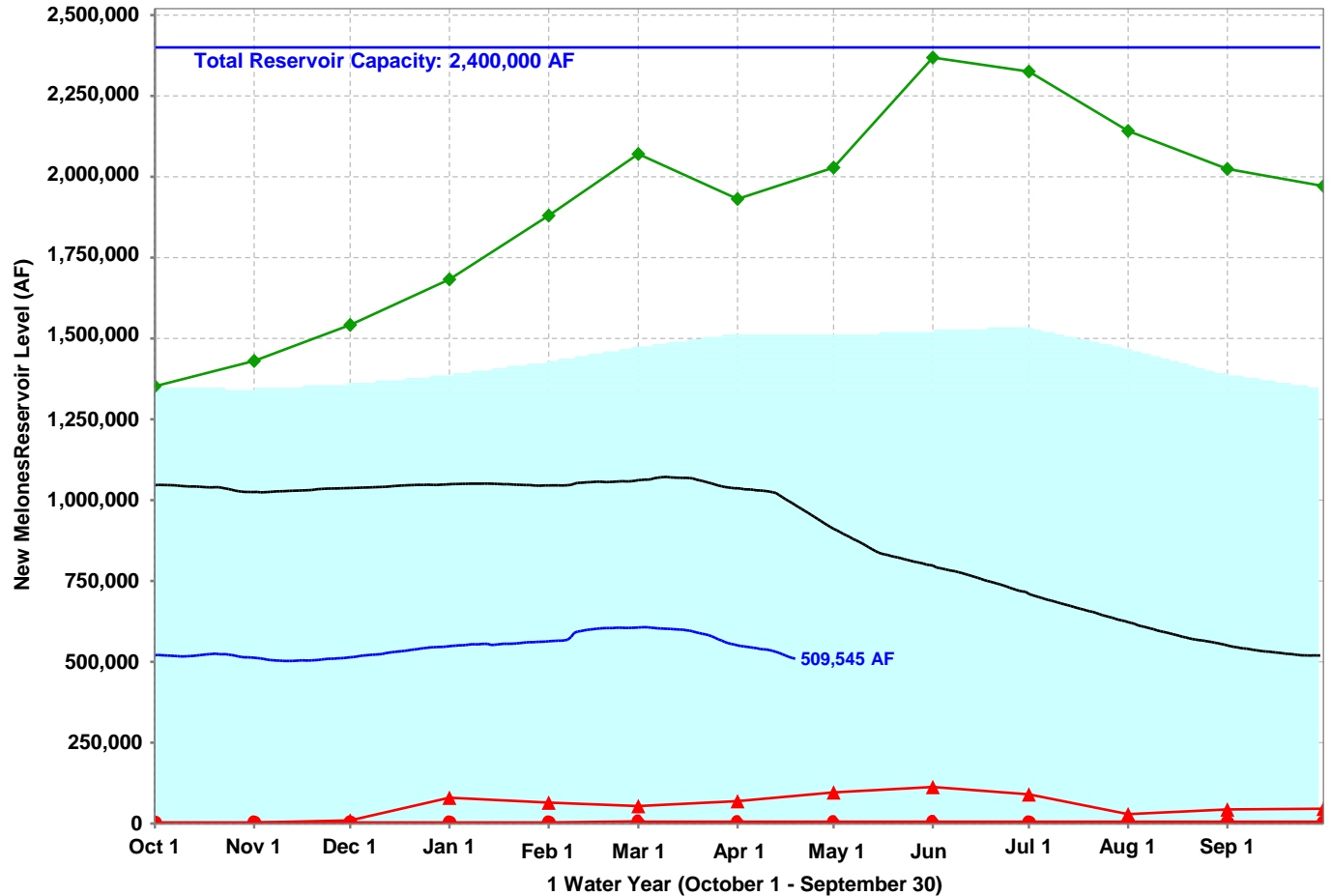
(as of Midnight - April 19, 2015)



Current Level: 509,545 AF

21% (Total Capacity) | 34% (Historical Avg.)

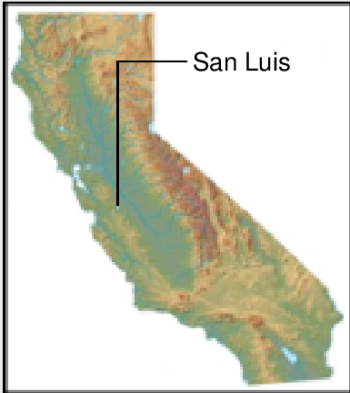
New Melones Levels: Various Past Water Years and Current Water Year, Ending At Midnight April 19, 2015



■ Historical Average
 — Total Reservoir Capacity
 ● 1976-1977 (Driest)
 ▲ 1977-1978
 ◆ 1982-1983 (Wettest)
 — 2013-2014
 Current: 2014-2015

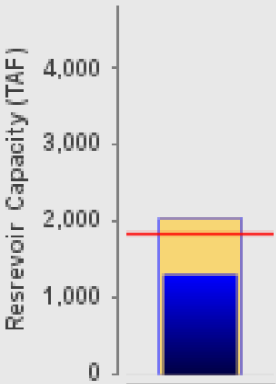


Reservoir Conditions - San Luis



San Luis Conditions

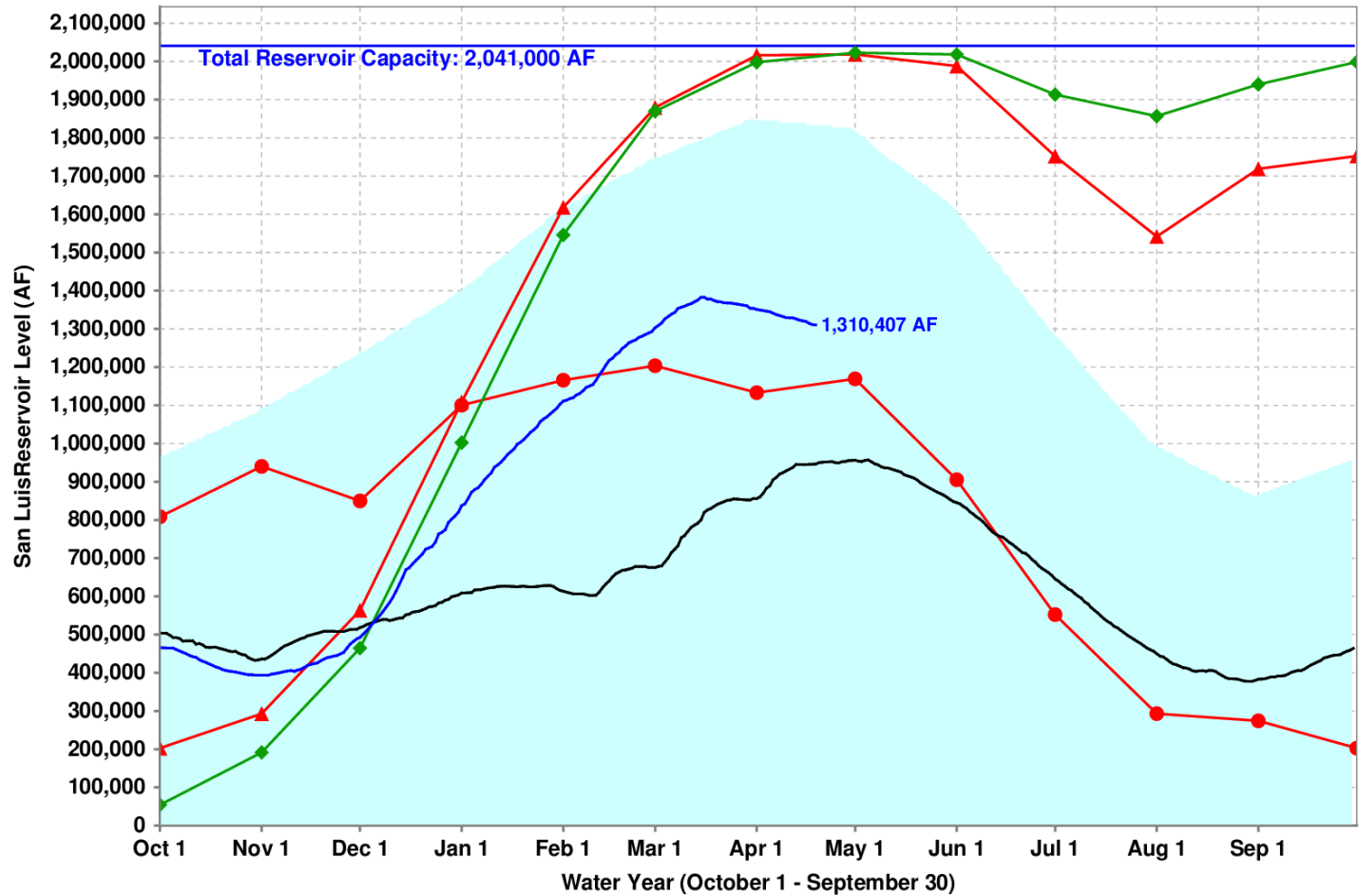
(as of Midnight - April 19, 2015)



Current Level: 1,310,407 AF

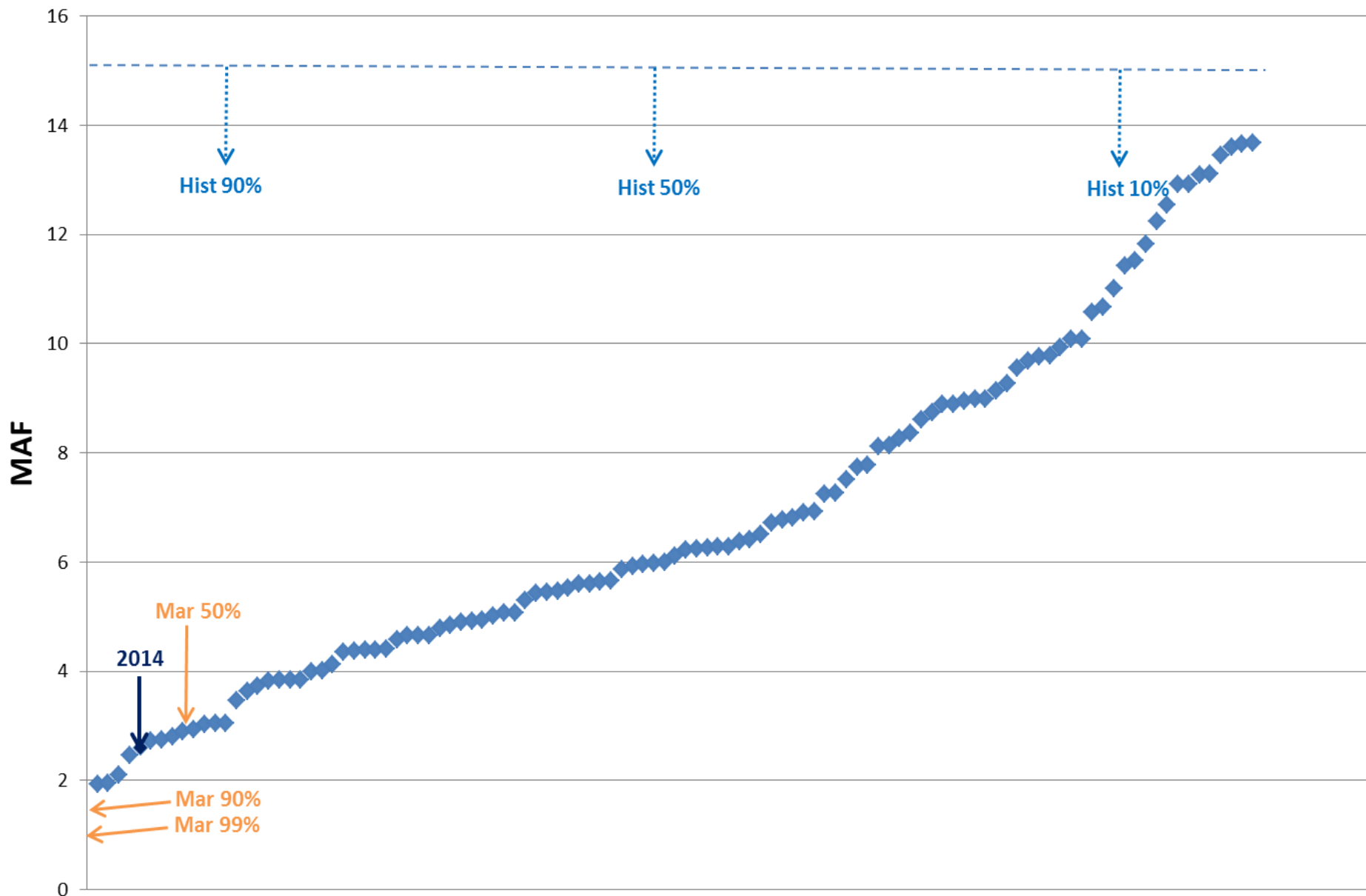
64% (Total Capacity) | 72% (Historical Avg.)

San Luis Levels: Various Past Water Years and Current Water Year, Ending At Midnight April 19, 2015

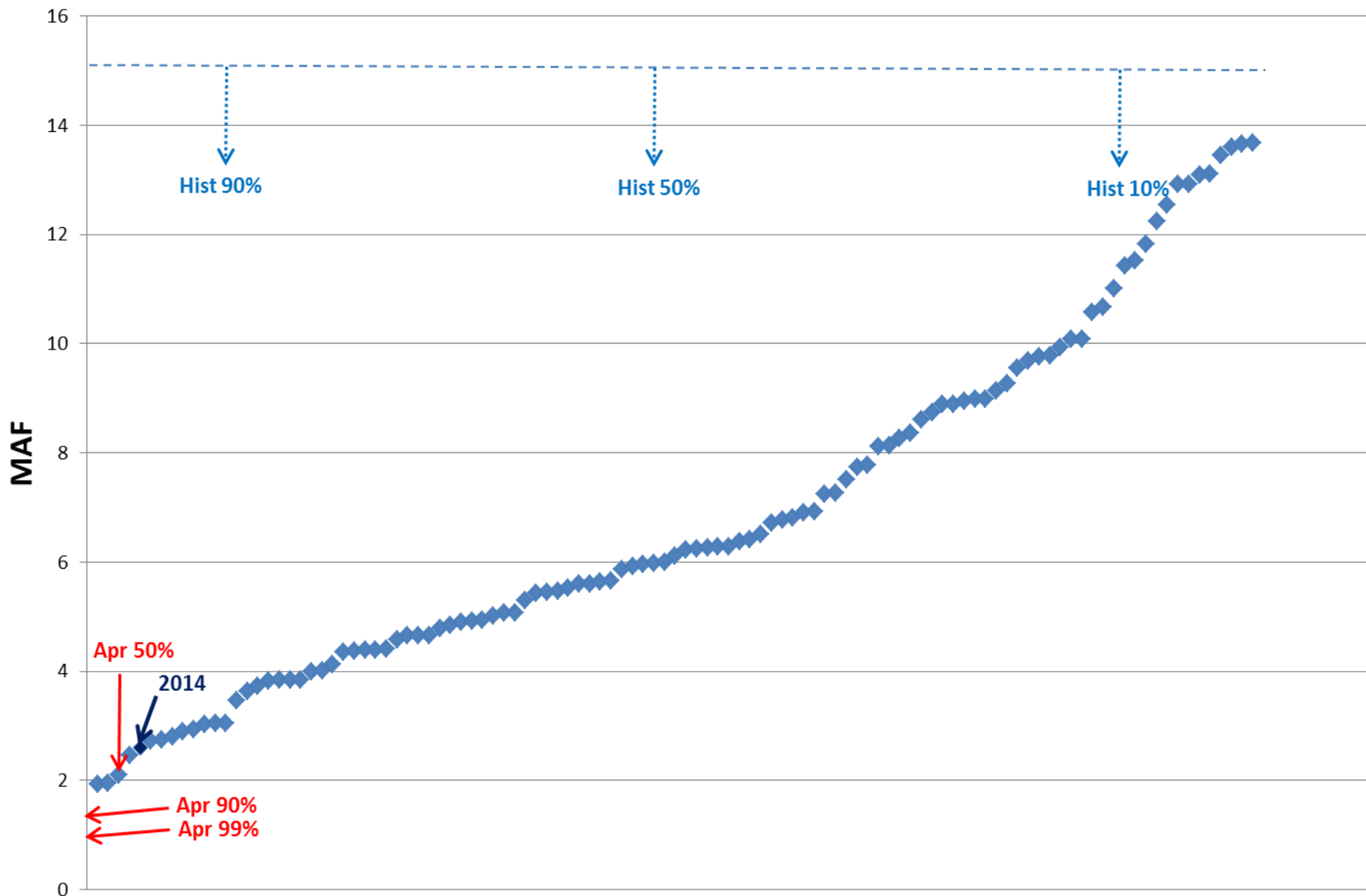


■ Historical Average
 — Total Reservoir Capacity
 ● 1976-1977 (Driest)
 ▲ 1977-1978
 ◆ 1982-1983 (Wettest)
 — 2013-2014
 — Current: 2014-2015

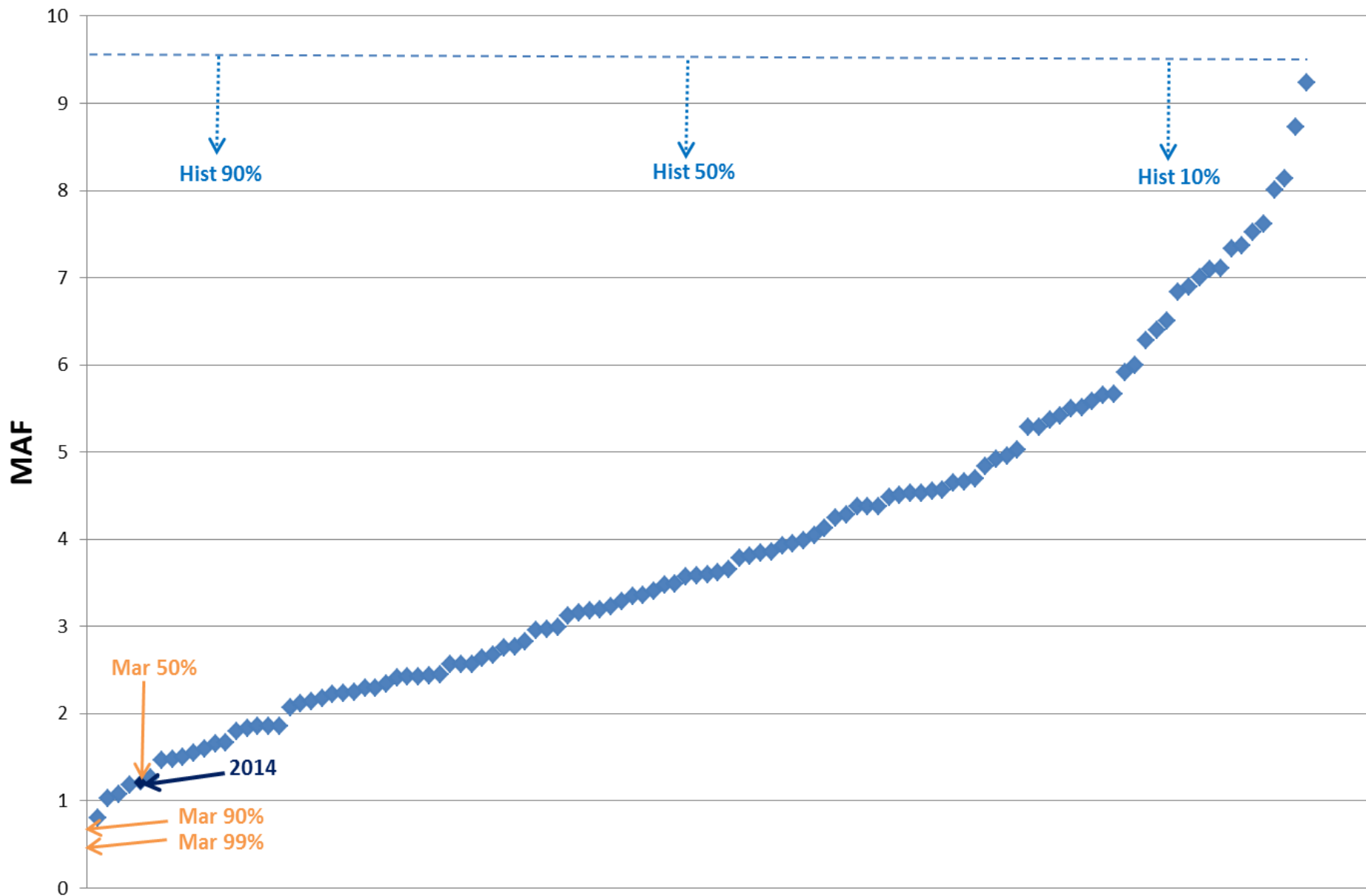
Sacramento Valley A-J Runoff (1906-2014) and Forecasted A-J Runoff for 2015



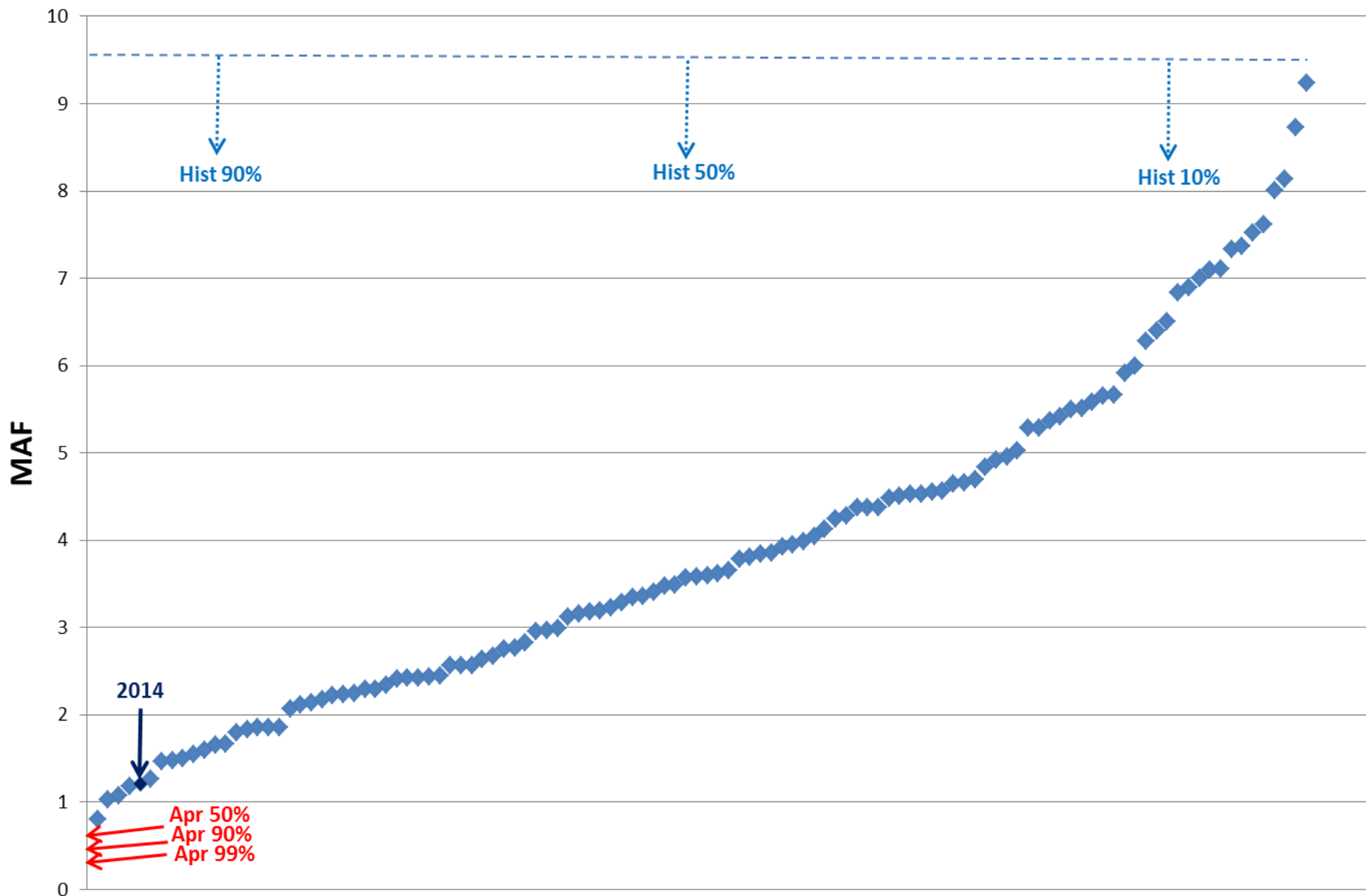
Sacramento Valley A-J Runoff (1906-2014) and Forecasted A-J Runoff for 2015



San Joaquin Valley A-J Runoff (1906-2014) and Forecasted A-J Runoff for 2015



San Joaquin Valley A-J Runoff (1906-2014) and Forecasted A-J Runoff for 2015

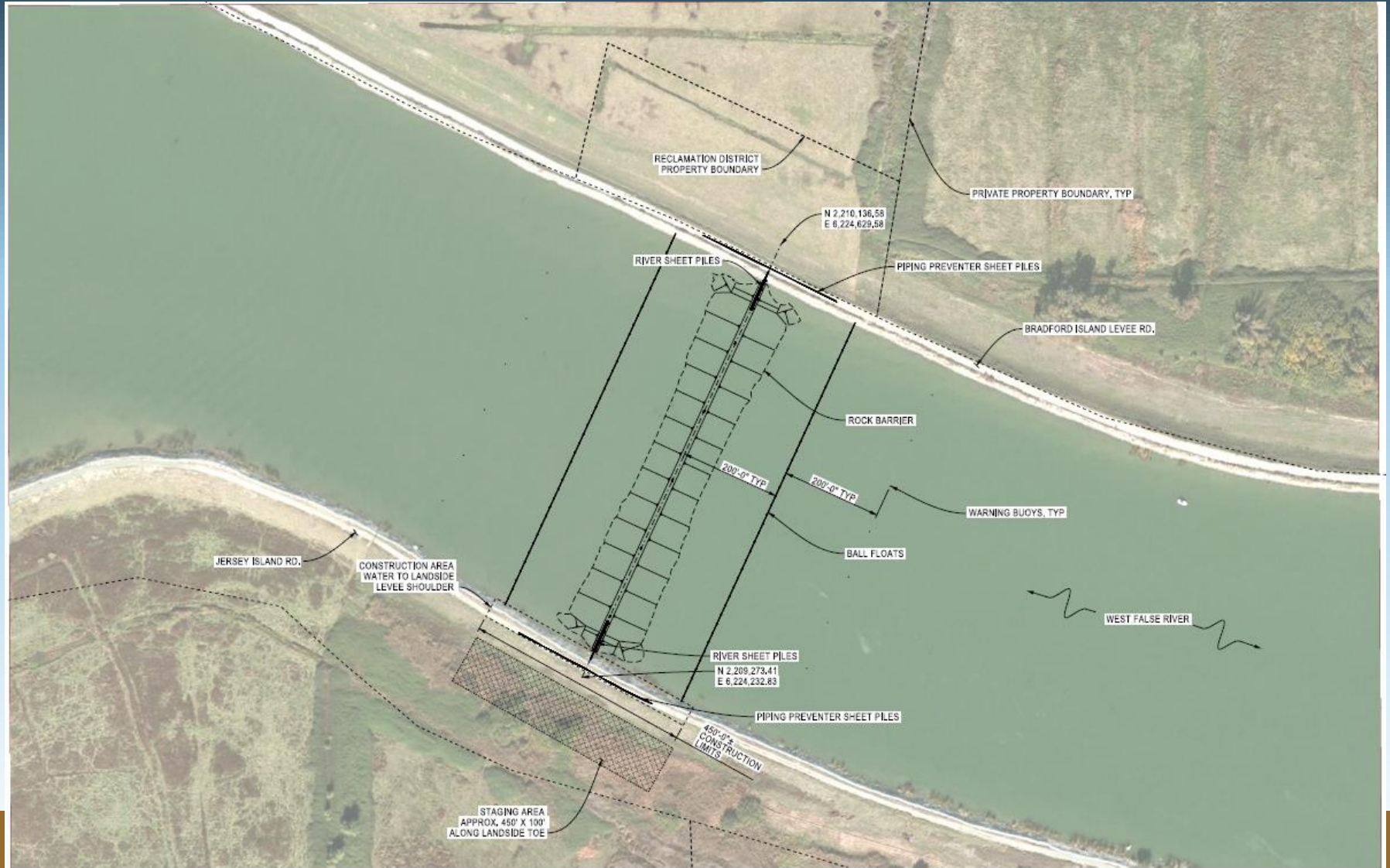


Emergency Salinity Barrier Update

Emergency Salinity Barrier Location



Plan View of Barrier



Potential Impacts

- **Delays for Recreational Boaters**
- **Increases in Salinity West of Barrier**
- **Fish Passage**
- **Aquatic Weeds**

KEEP SAVING CA

