



Making Water Conservation a California Way of Life

Implementing Executive Order B-37-16

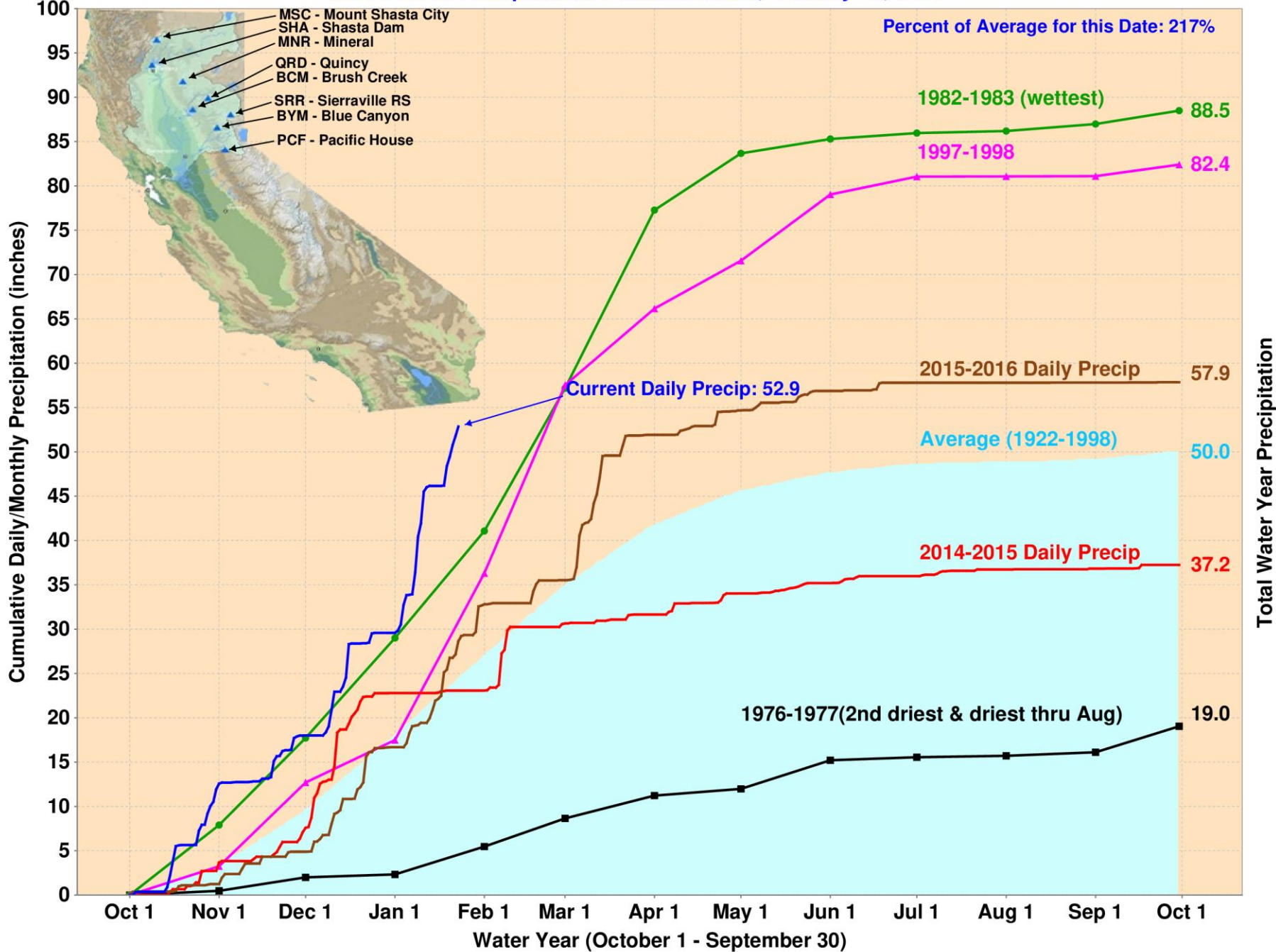
Sacramento Environmental Commission

Rancho Cordova, California

January 23, 2017

Peter Brostrom
Water Use Efficiency Program Manager
California Department of Water Resources

North Sierra Precipitation: 8-Station Index, January 23, 2017



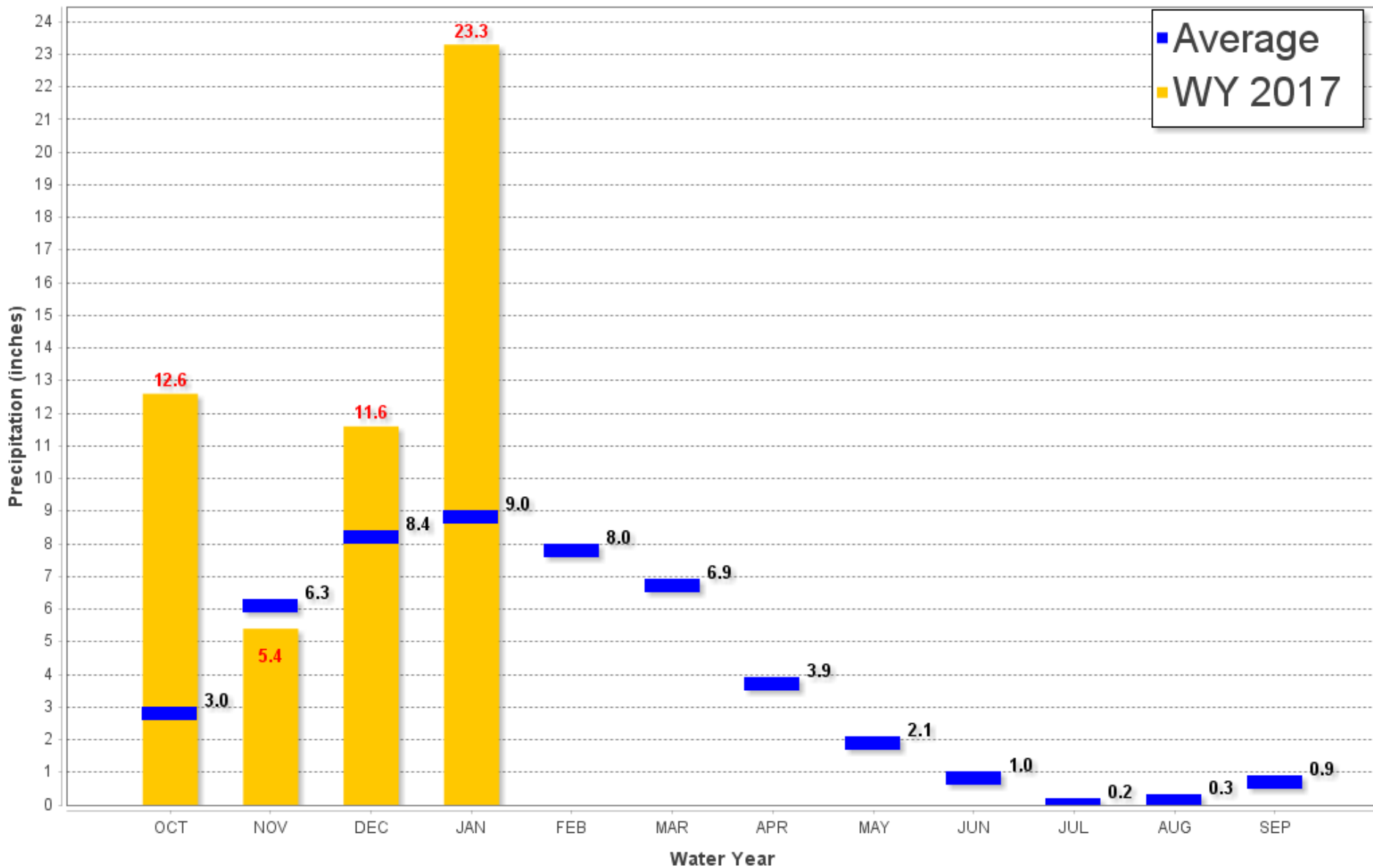


Northern Sierra 8-Station

Precipitation Index for Water Year 2017 - Updated on January 23, 2017 08:45 AM

Note: Monthly totals may not add up to seasonal total because of rounding

Water Year Monthly totals are calculated based on Daily precipitation data from 12am to 12am PST



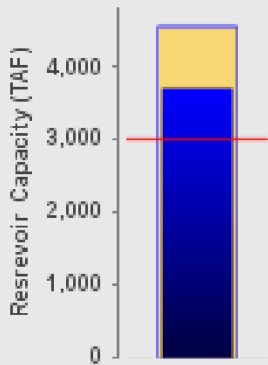


Reservoir Conditions - Lake Shasta



Lake Shasta Conditions

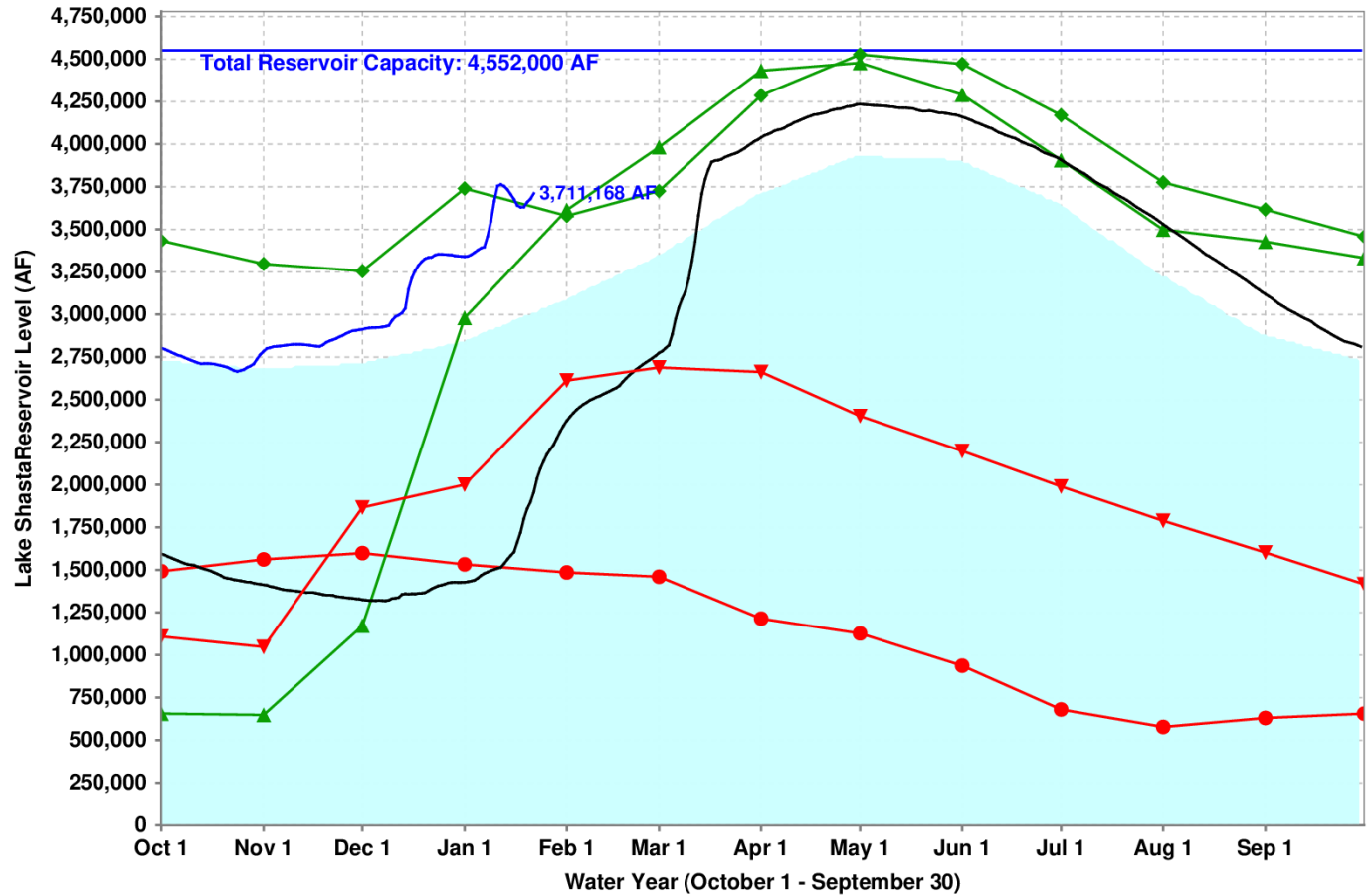
(as of Midnight - January 22, 2017)



Current Level: 3,711,168 AF

82% (Total Capacity) | 124% (Historical Avg.)

Lake Shasta Levels: Various Past Water Years and Current Water Year, Ending At Midnight January 22, 2017

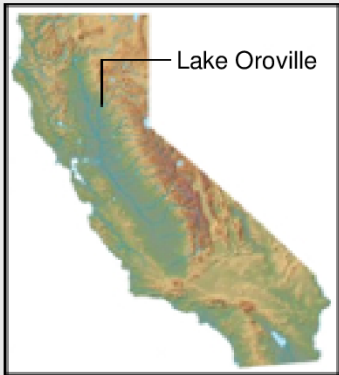


■ Historical Average
 — Total Reservoir Capacity
 ● 1976-1977 (Driest)
 ▲ 1977-1978
 ◆ 1982-1983 (Wettest)
 — 2015-2016
 ▼ 2014-2015
 — Current: 2016-2017

Data Updated 01/23/2017 08:45 AM

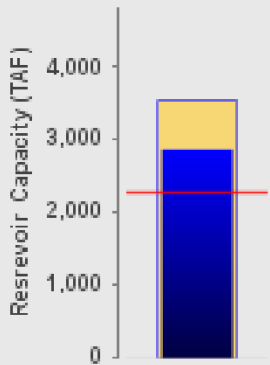


Reservoir Conditions - Lake Oroville



Lake Oroville Conditions

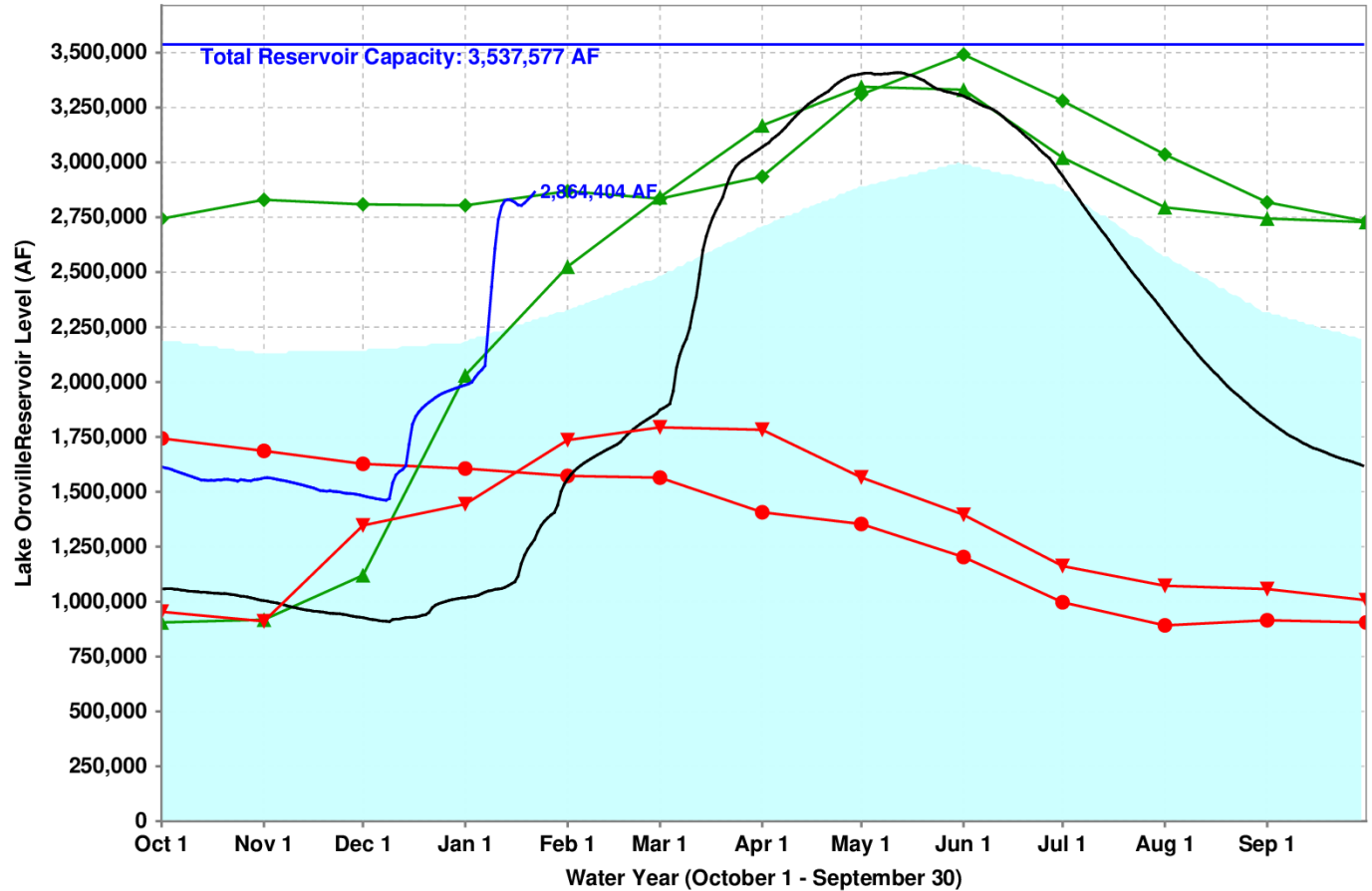
(as of Midnight - January 22, 2017)



Current Level: 2,864,404 AF

81% (Total Capacity) | 126% (Historical Avg.)

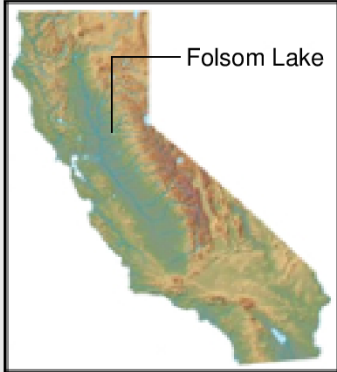
Lake Oroville Levels: Various Past Water Years and Current Water Year, Ending At Midnight January 22, 2017



■ Historical Average
 — Total Reservoir Capacity
 ● 1976-1977 (Driest)
 ▲ 1977-1978
 ◆ 1982-1983 (Wettest)
 — 2015-2016
 ▼ 2014-2015
 — Current: 2016-2017

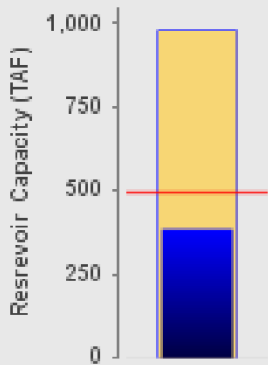


Reservoir Conditions - Folsom Lake



Folsom Lake Conditions

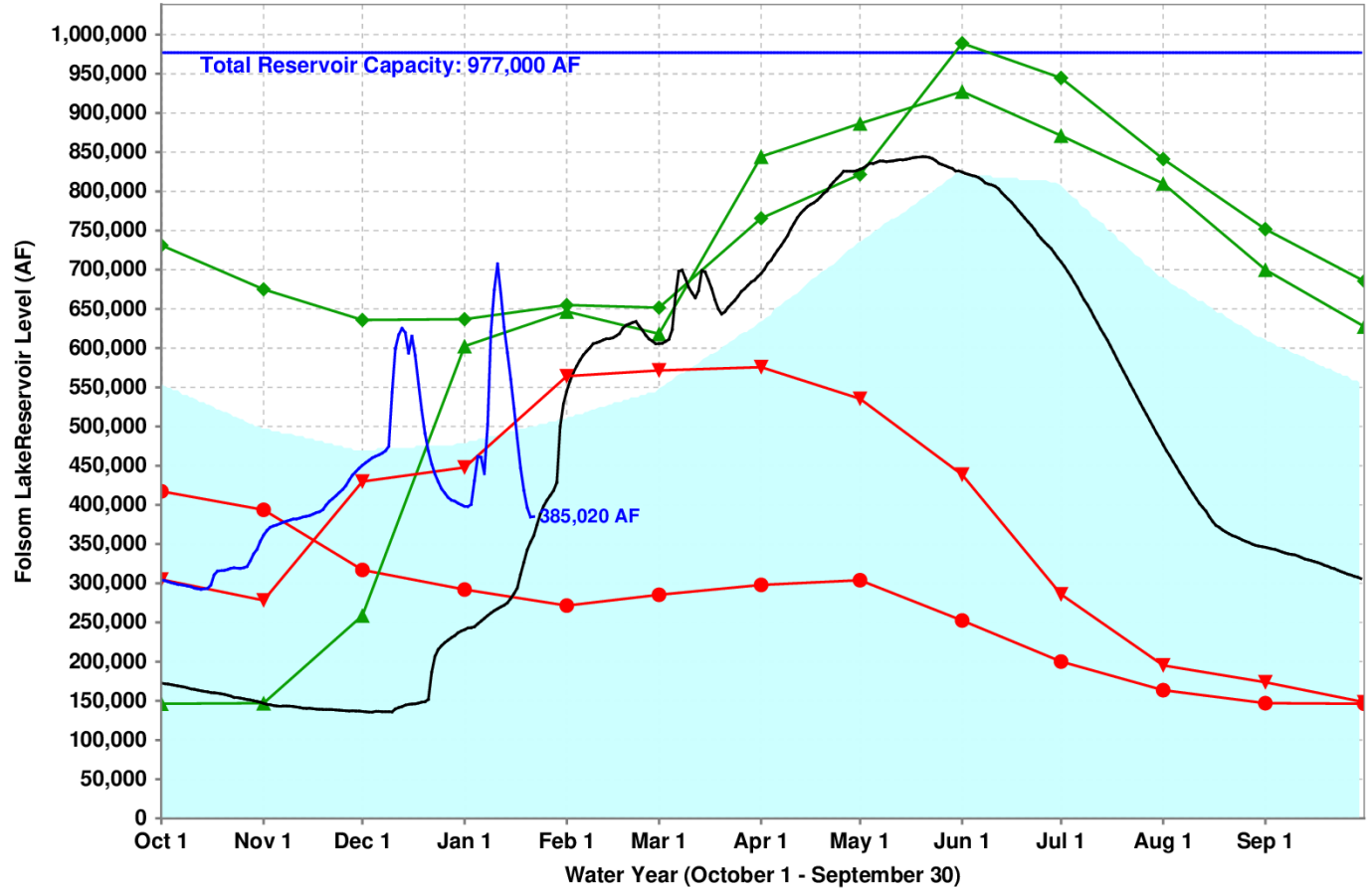
(as of Midnight - January 22, 2017)



Current Level: 385,020 AF

39% (Total Capacity) | 77% (Historical Avg.)

Folsom Lake Levels: Various Past Water Years and Current Water Year, Ending At Midnight January 22, 2017

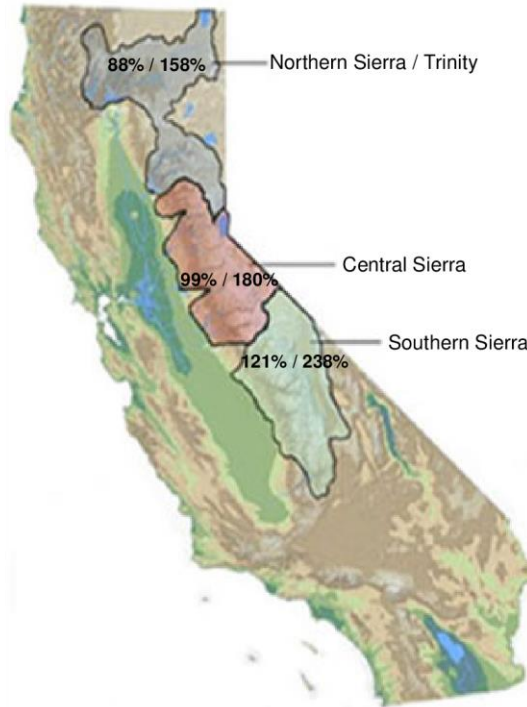




Statewide Summary of Snow Water Content

Current Regional Snowpack from Automated Snow Sensors

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



NORTH	
Data as of January 23, 2017	
Number of Stations Reporting	19
Average snow water equivalent (Inches)	25.7
Percent of April 1 Average (%)	88
Percent of normal for this date (%)	158

CENTRAL	
Data as of January 23, 2017	
Number of Stations Reporting	25
Average snow water equivalent (Inches)	33.6
Percent of April 1 Average (%)	99
Percent of normal for this date (%)	180

SOUTH	
Data as of January 23, 2017	
Number of Stations Reporting	30
Average snow water equivalent (Inches)	31.5
Percent of April 1 Average (%)	121
Percent of normal for this date (%)	238

STATE	
Data as of January 23, 2017	
Number of Stations Reporting	74
Average snow water equivalent (Inches)	30.7
Percent of April 1 Average (%)	104
Percent of normal for this date (%)	193

Statewide Average: 104% / 193%

Data as of January 23, 2017

Water Conservation Requirements Established During Droughts

Drought

Requirement

1988-1992

- Water Supplier BMPs
- Landscape Ordinance
- 1.6 GPF Toilets

2007-2009

- 20%x 2020

2013-2016

- SWRCB Mandatory Reductions
- Revised Landscape Ordinance
- Water Conservation and Planning recommendations





Executive Order B-37-16

- Issued May 2016, directs 5 state agencies to develop recommendations for a long term water use efficiency and drought planning framework
- Lists 13 action items that focus on 4 objectives
 - Water Use Targets
 - Water Waste prohibitions
 - Water shortage Contingency Planning
 - Agricultural Water Management Planning

Recommendation Development

- Over last 6 months, EO Agencies have held listening sessions, stakeholder meetings and webinars to receive input and feedback on the development of new framework
- Public Review Draft released in December.
- Final staff report sent to the Governor's Office on January 20th.



Recommendations: Water Use Targets

- Establish a water budget target framework for retail water suppliers based on:
- Commercial, Industrial and Institutional Sector implement performance measures
- Water suppliers begin reporting on residential water use in 2019 and on all sectors in 2021 with the goal of meeting targets in 2025

Water Waste Prohibitions

- State Water Resources Control Board will go through rulemaking to establish permanent prohibitions for wasteful water practices
- Continued implementation of distribution system water loss reporting and validation

Recommendations: Water Shortage Contingency Planning

- Submit an annual water supply and demand report
- Revise and standardize reporting requirements in urban water management plans
- Increase drought risk assessment from 3 to five years
- Have counties include a drought planning as part of their hazard mitigation plans.

Recommendations: Agricultural Water Management Plans

- Require water budget and water use fraction quantification in agricultural water management plans
- Revise annual reporting requirements to better support the Sustainable Groundwater Management Act



Next Steps:

- Anticipate that the Governor's Office will release Final report in February.
- Many of the recommendations will require legislation to implement

Questions/Comments?

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