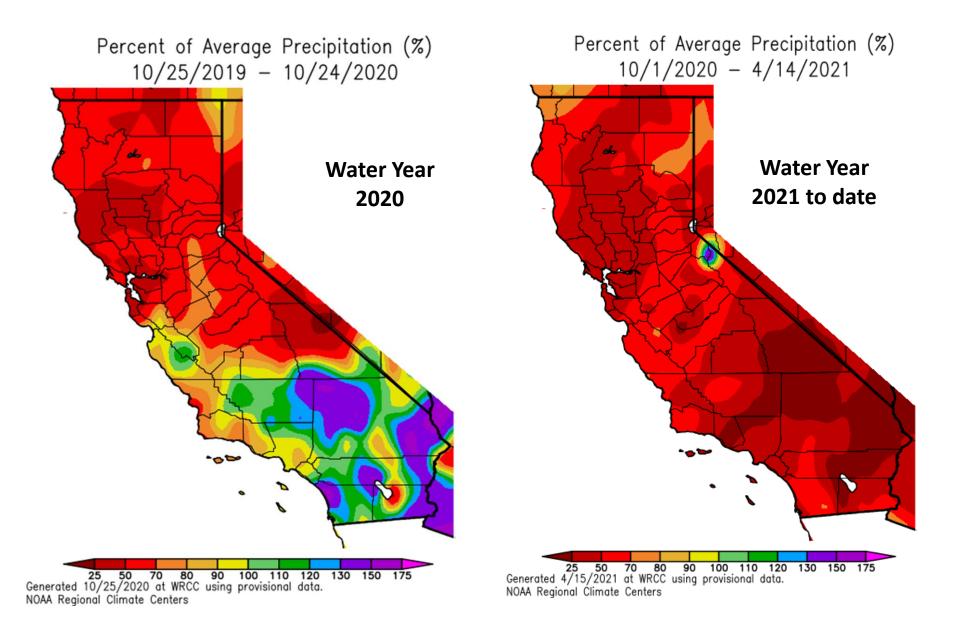
Hydrology and Project Operations Update

Molly White, DWR, SWP Operations Kristin White, Reclamation, CVP Operations

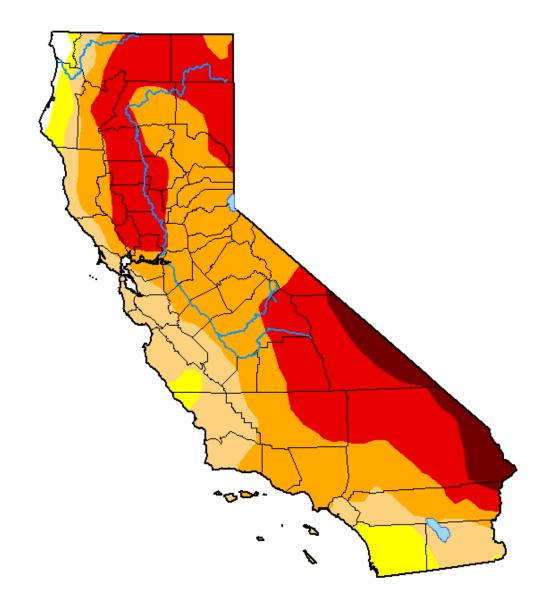
State Water Resources Control Board April 21, 2021



U.S. Drought Monitor California

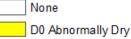
April 13, 2021 (Released Thursday, Apr. 15, 2021) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

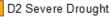


	None	D0	D1	D2	D3	D4
Current	0.78	5.09	17.16	38.29	33.32	5.36
Last Week 04-06-2021	0.77	6.58	22.97	34.27	30.06	5.36
3 Month s Ago 01-12-2021	0.00	4.80	16.10	39.60	38.31	1. 19
Start of Calend ar Year 12-29-2020	0.00	4.83	20.82	40.59	32.56	1. 19
Start of Water Year 09-29-2020	15.35	17.00	32.03	22.88	12.74	0.00
One Year Ago 04-14-2020	41.80	22.50	22.87	12.83	0.00	0.00

Intensity:







D3 Extreme Drought

D1 Moderate Drought

D4 Exceptional Drought

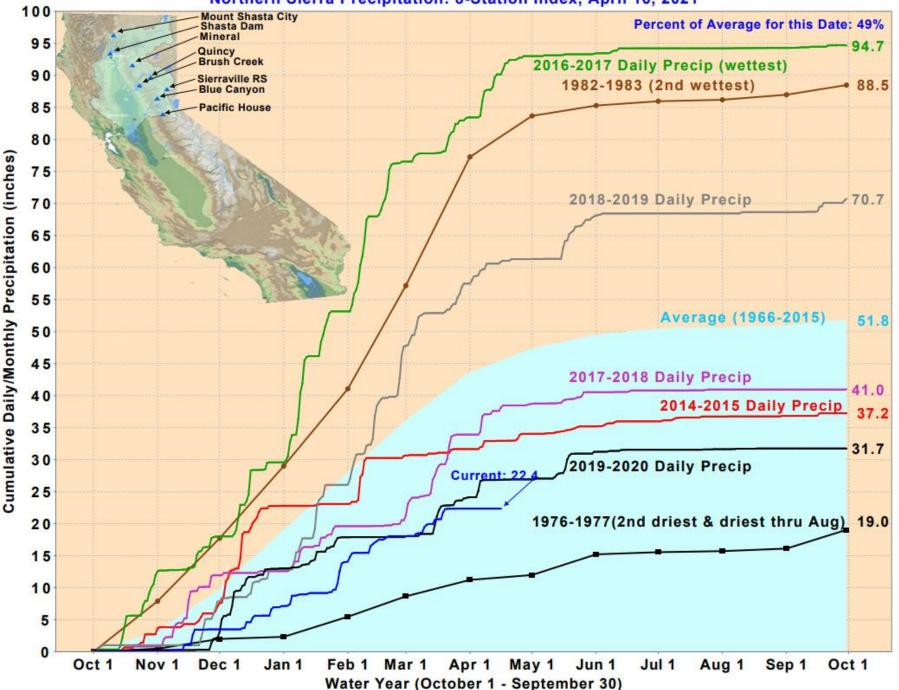
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

Author:

Deborah Bathke National Drought Mitigation Center

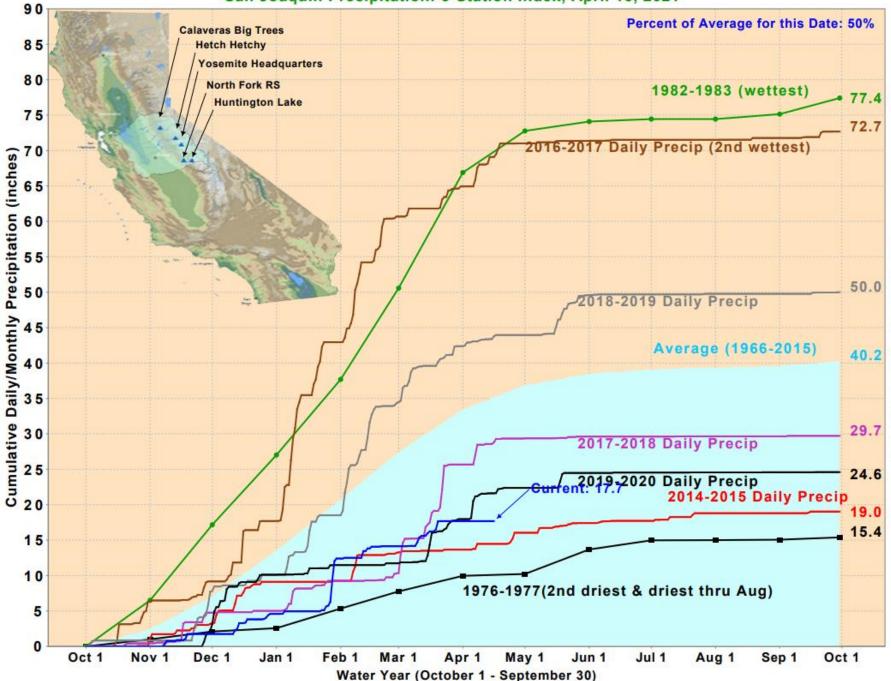


droughtmonitor.unl.edu

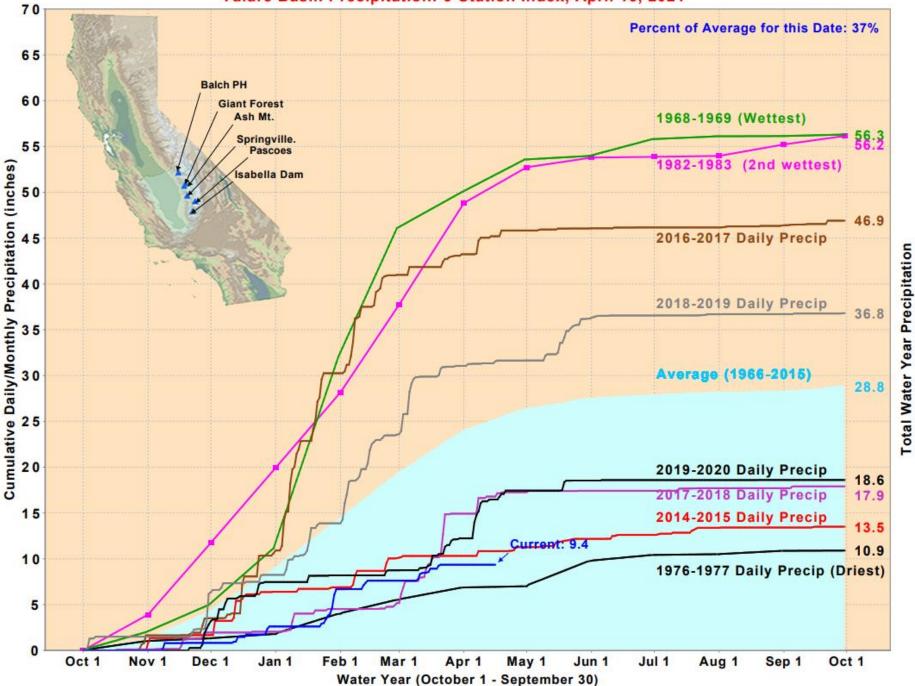


Northern Sierra Precipitation: 8-Station Index, April 16, 2021

San Joaquin Precipitation: 5-Station Index, April 16, 2021

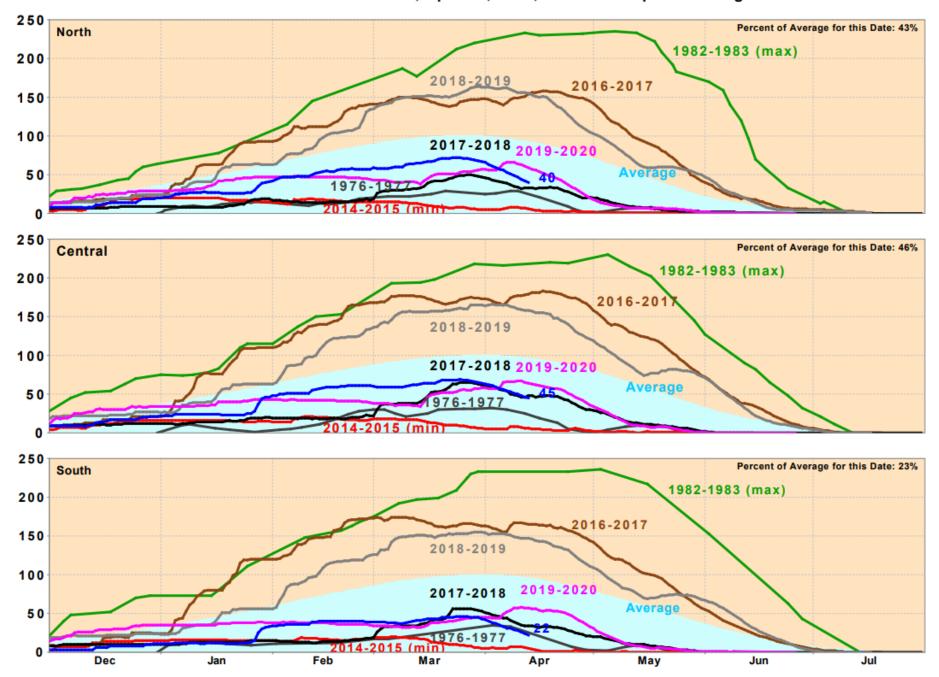


Total Water Year Precipitation

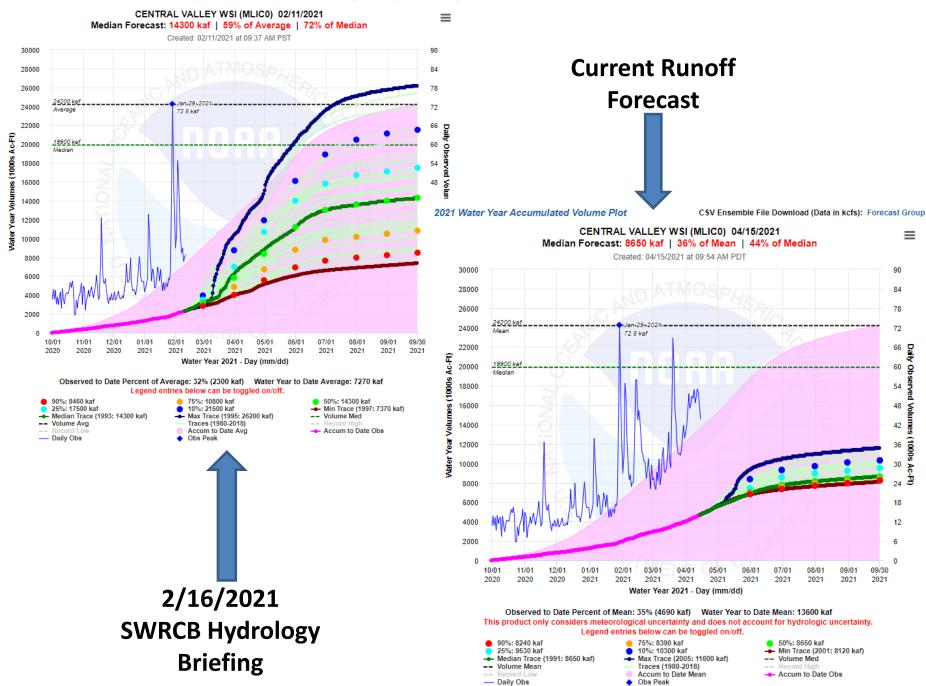


Tulare Basin Precipitation: 6-Station Index, April 16, 2021





Statewide Percent of Average for Date: 40%



 \equiv

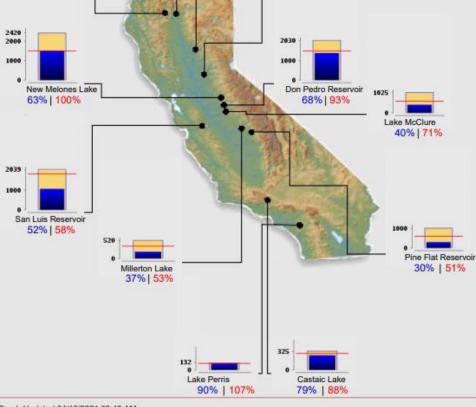
Volumes

Daily

served

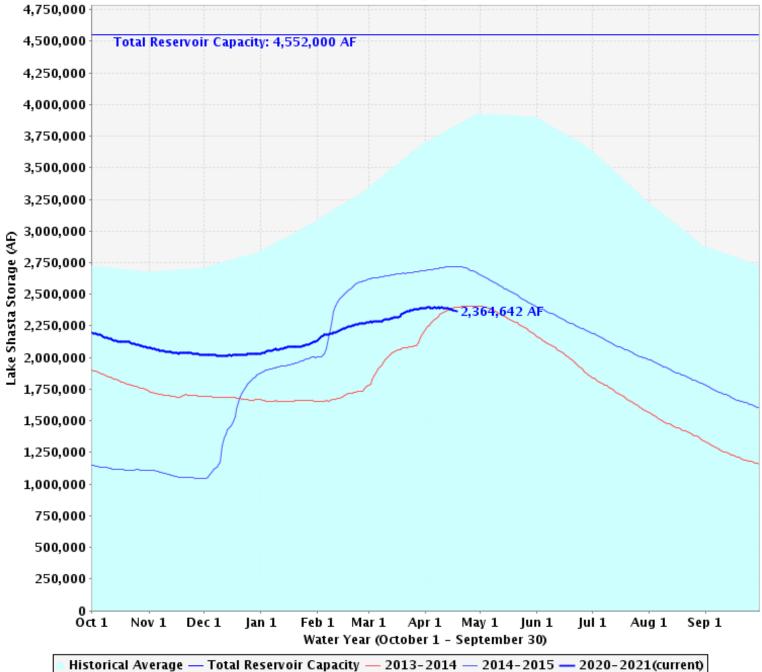
(1000s Ac-Ft)

Reservoir Conditions Ending At Midnight - April 15, 2021 CURRENT RESERVOIR CONDITIONS LEGEND 4552 4000 Capacity (TAF) 3538 - Historical 3000 3000 Average 2448 2000 2000 2000 % of Capacity % of Historical Average 1000 1000 977 1000 Lake Shasta Lake Oroville Folsom Lake **Trinity Lake** 37% | 53% 52% | 63% 42% | 54% 53% | 66% 2420 2000 2030 1000 1000 New Melones Lake Don Pedro Reservoir 1025

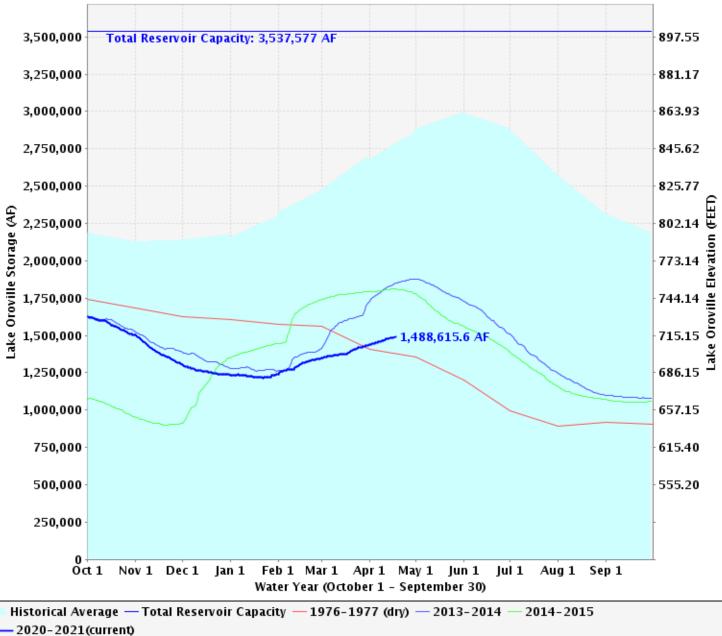


Graph Updated 04/16/2021 08:48 AM

Lake Shasta Storage Levels

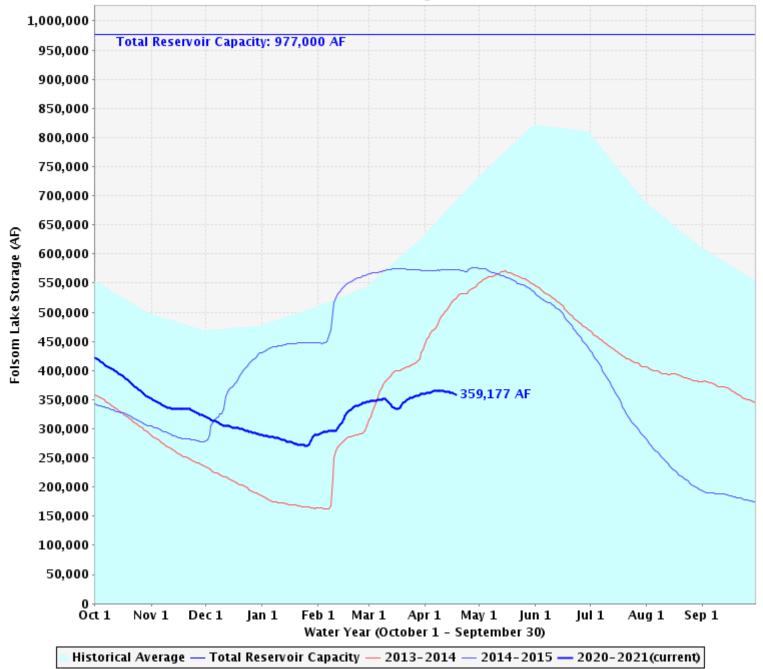


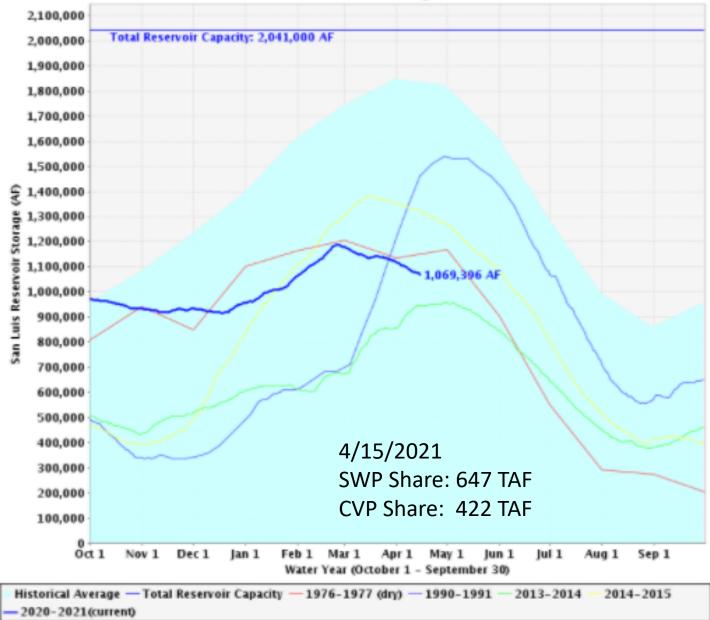




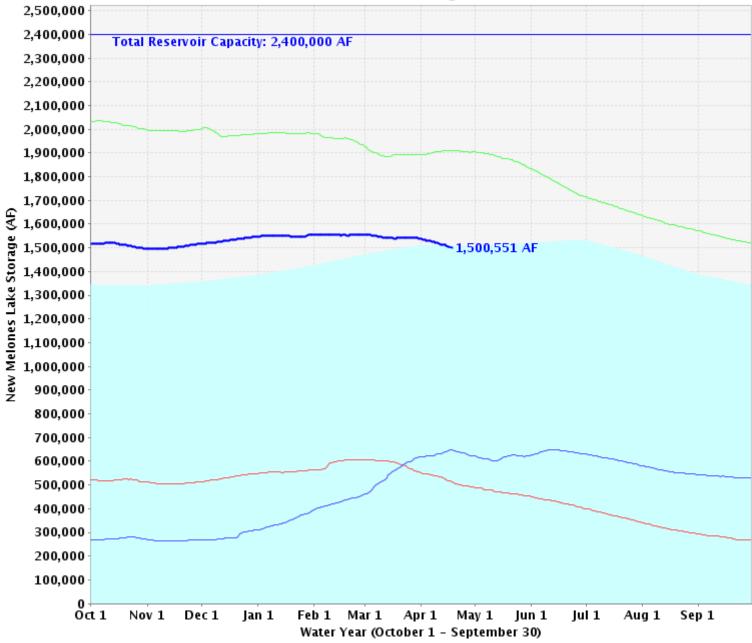
Lake Oroville Storage Levels

Folsom Lake Storage Levels



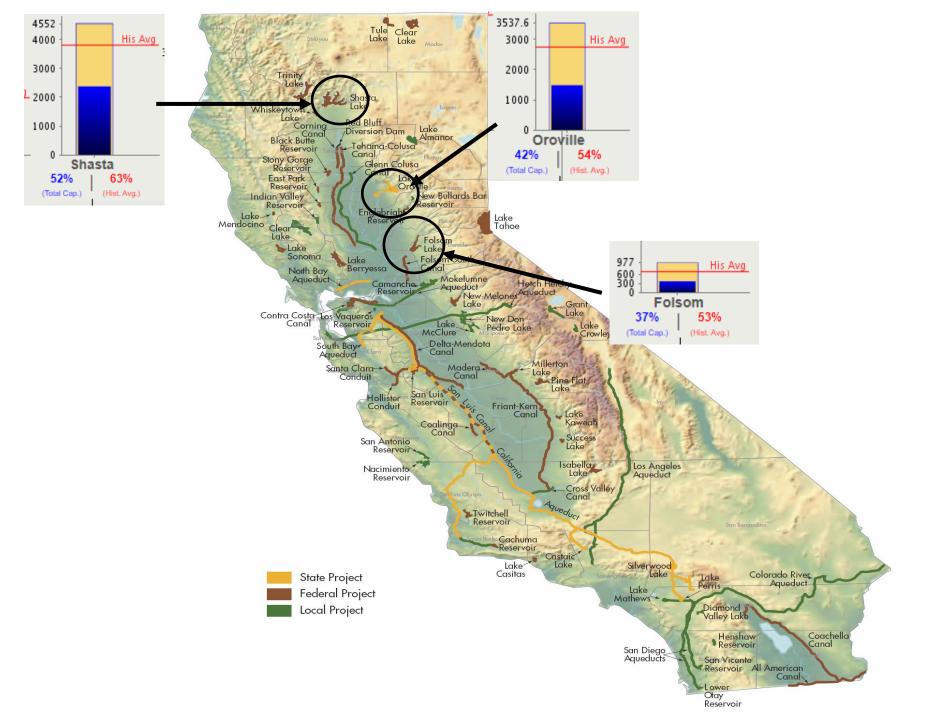


San Luis Reservoir Storage Levels



New Melones Lake Storage Levels

Historical Average — Total Reservoir Capacity — 2014-2015 — 2015-2016 — 2019-2020 — 2020-2021(current)



April 1 - Water Supply Forecast

- Sacramento and San Joaquin Valley Critical
- Runoff, rainfall and snowpack well below average
- Observed Oct through March Runoff:
 - Sacramento Valley 3rd driest in historical record (back to 1906)
 - San Joaquin Valley 6th driest in historical record (back to 1901)
 - Tulare Lake Basin 8th driest in historical record (back to 1901)

2021 SWP Operations Update

- Reduced 2021 SWP water supply allocation from 10% to 5%. Lowest allocation for M&I contractors, and matches 2014
- Lake Oroville/Feather River
 - Storage-1.48 MAF, 54% average
 - Storage conservation: minimum releases until increases needed for delta outflow/water quality
 - Confirmed 50% reduction to Feather River Settlement Contractors
 - Storage objective:
 - At least 900 TAF through August
 - Conservation of cold-water pool for late summer/fall Feather River Temperature management
 - Sustain peak downstream requirements and demands
- Spring/Summer Delta Operations
 - Minimum exports through summer to meet demands of contractors who are not connected to San Luis Reservoir, with increased exports to facilitate third party water transfers

2021 CVP Operations Update

- 2021 Allocations:
 - 5% North of Delta Ag; 55% (historical use) North of Delta Municipal and Industrial
 - South of Delta Ag allocation of 5% is no longer available; 55% (historical use) South of Delta Municipal and Industrial
- Lake Shasta/Sacramento River
 - Storage-2.36 MAF, 62% average
 - Storage conservation: releases from late April throughout the summer will primarily be controlled by releases for meeting senior water right demands and delta objectives
 - 75% allocation to Sacramento River Settlement Contractors
 - Key objectives:
 - Temperature Management
 - Carryover storage
 - Meeting senior water right requirements
 - Meeting health and safety needs throughout the basin

2021 CVP Operations Update

- Folsom Lake/American River
 - Storage:359 TAF, 52% average
 - Storage conservation: Releases above minimums expected to primarily support delta objectives
 - Key objectives:
 - Carryover storage
 - Temperature Management
 - Meeting health and safety needs throughout the basin
- Trinity Lake/Trinity River/Sacramento River
 - Storage: 1.3 MAF, 66% average
 - Storage conservation: Releases to the Trinity River will follow the 2001 Record of Decision; Releases to the Sacramento River are shaped to balance between storage management at Trinity and Shasta
 - Key objectives:
 - Carryover storage
 - Temperature Management (both Sacramento and Trinity Rivers)

2021 CVP Operations Update

- New Melones Lake/Stanislaus River
 - Storage: 1.5 MAF, 100% average
 - Storage conservation: Releases primarily controlled by the Stepped Release Plan from the 2019 Record of Decision and Vernalis flows and salinity objectives
 - Key objectives:
 - Carryover storage
- Spring/Summer Delta Operations
 - Low exports through summer to meet senior water right and refuge requirements with increased exports to facilitate third party water transfers