

Water Conditions Update



Finance & Engineering Workshop
April 17, 2023



**Weather
&
Reservoir
Conditions**

**Forecasted
Hydrologic
Conditions**

**DWR Snow
Surveys**

**SWP
Allocation &
Water
Portfolio**

**SWP
Deliveries &
Recharge**



Discussion



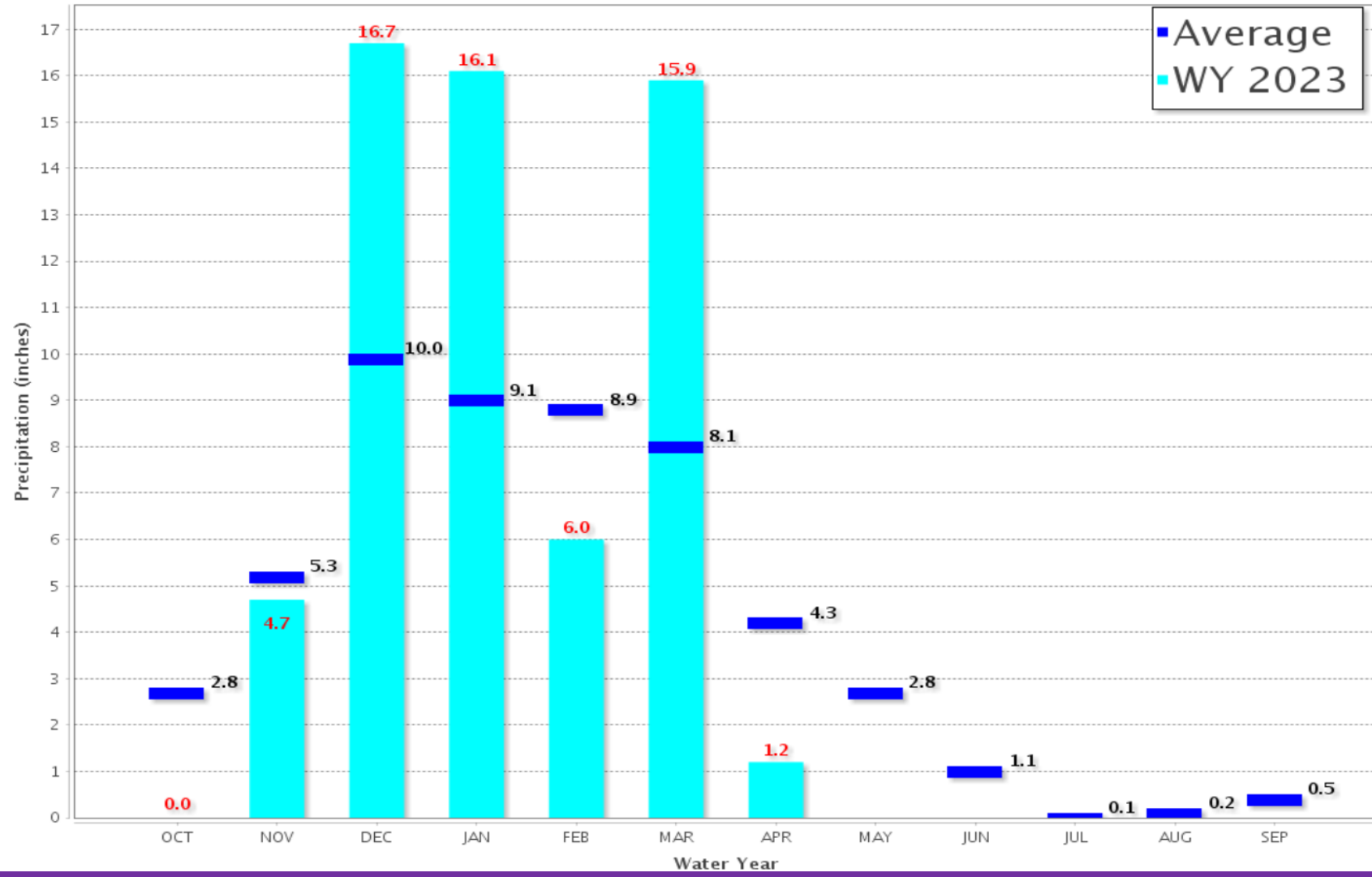


Northern Sierra 8-Station

Precipitation Index for Water Year 2023 – Updated on April 12, 2023 03:48 PM

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

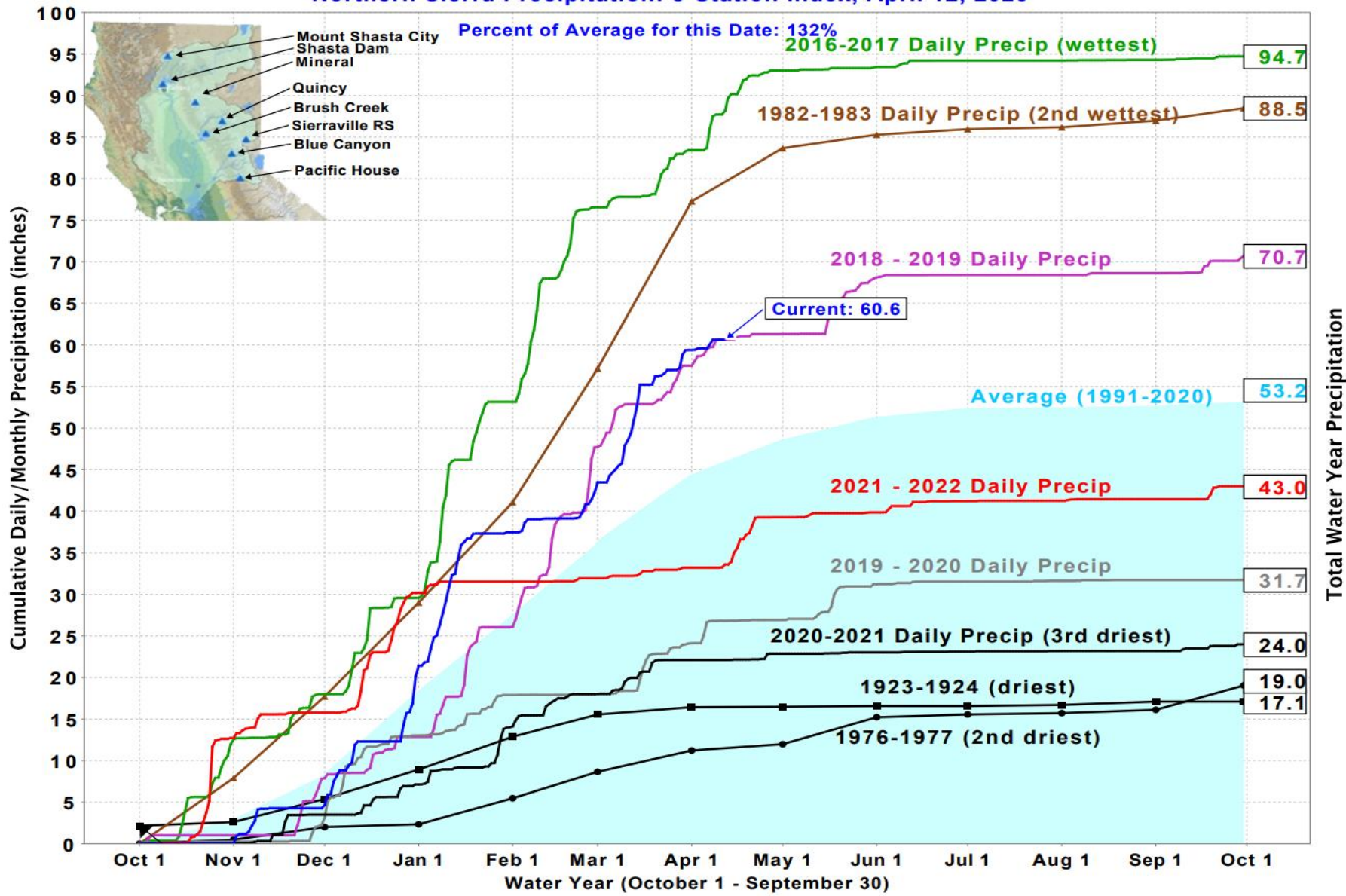
Water Year Monthly totals are calculated based on Daily precipitation data from 12am to 12am PST



State Precipitation Stations – North Sierra



Northern Sierra Precipitation: 8-Station Index, April 12, 2023

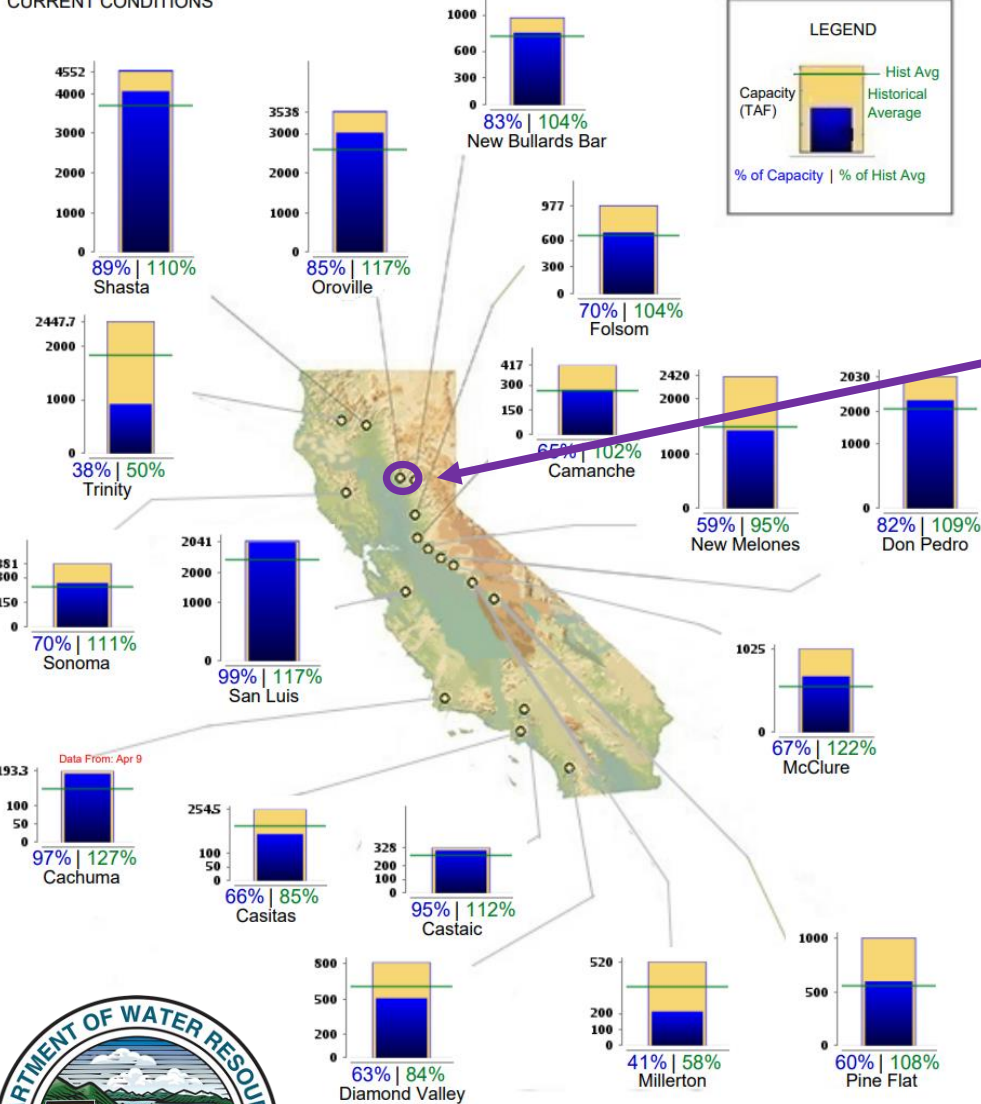


State Precipitation Stations – North Sierra

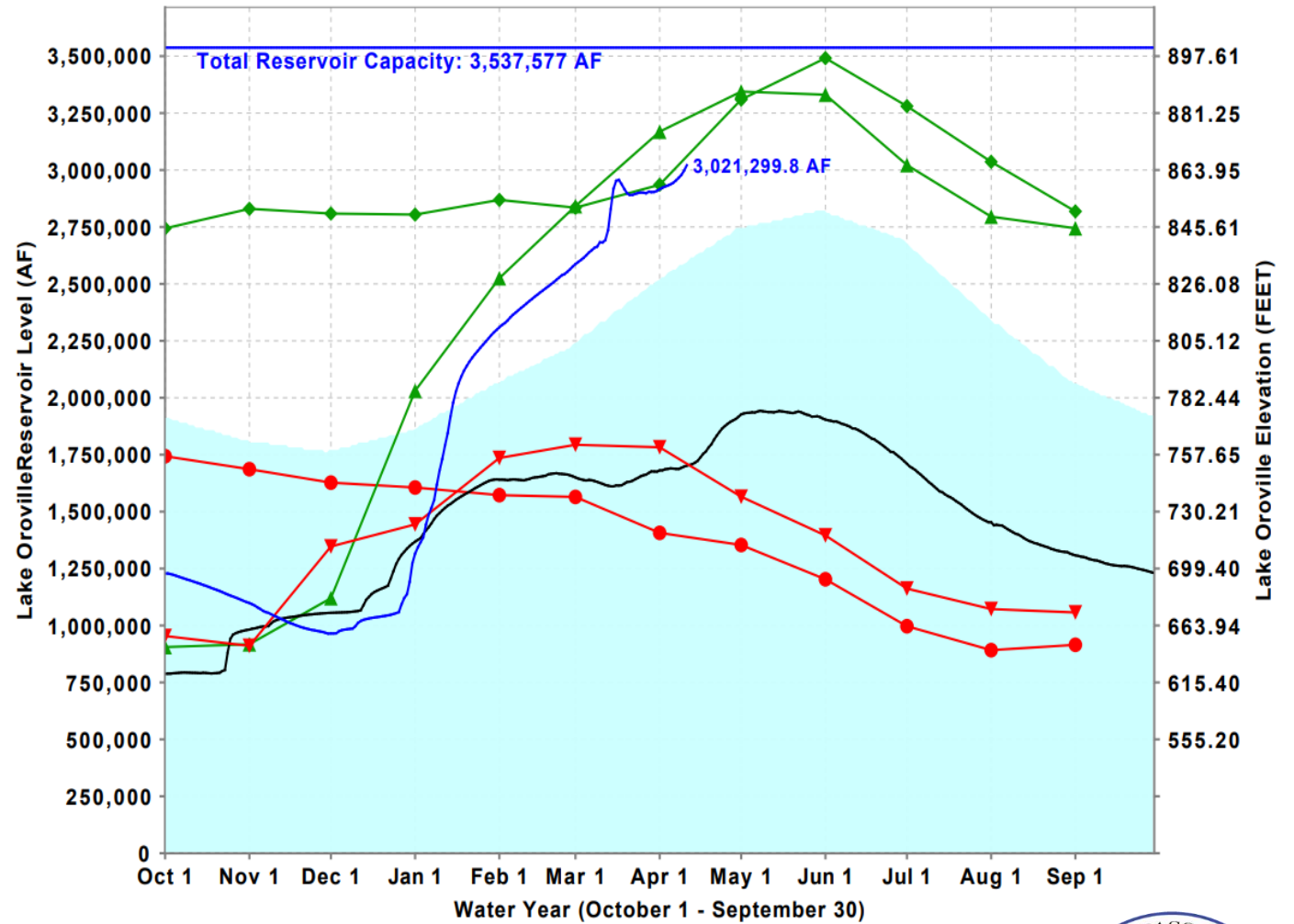
CALIFORNIA MAJOR WATER SUPPLY RESERVOIRS

CURRENT CONDITIONS

Midnight - April 11, 2023



Lake Oroville Levels: Various Past Water Years and Current Water Year, Ending At Midnight April 11, 2023

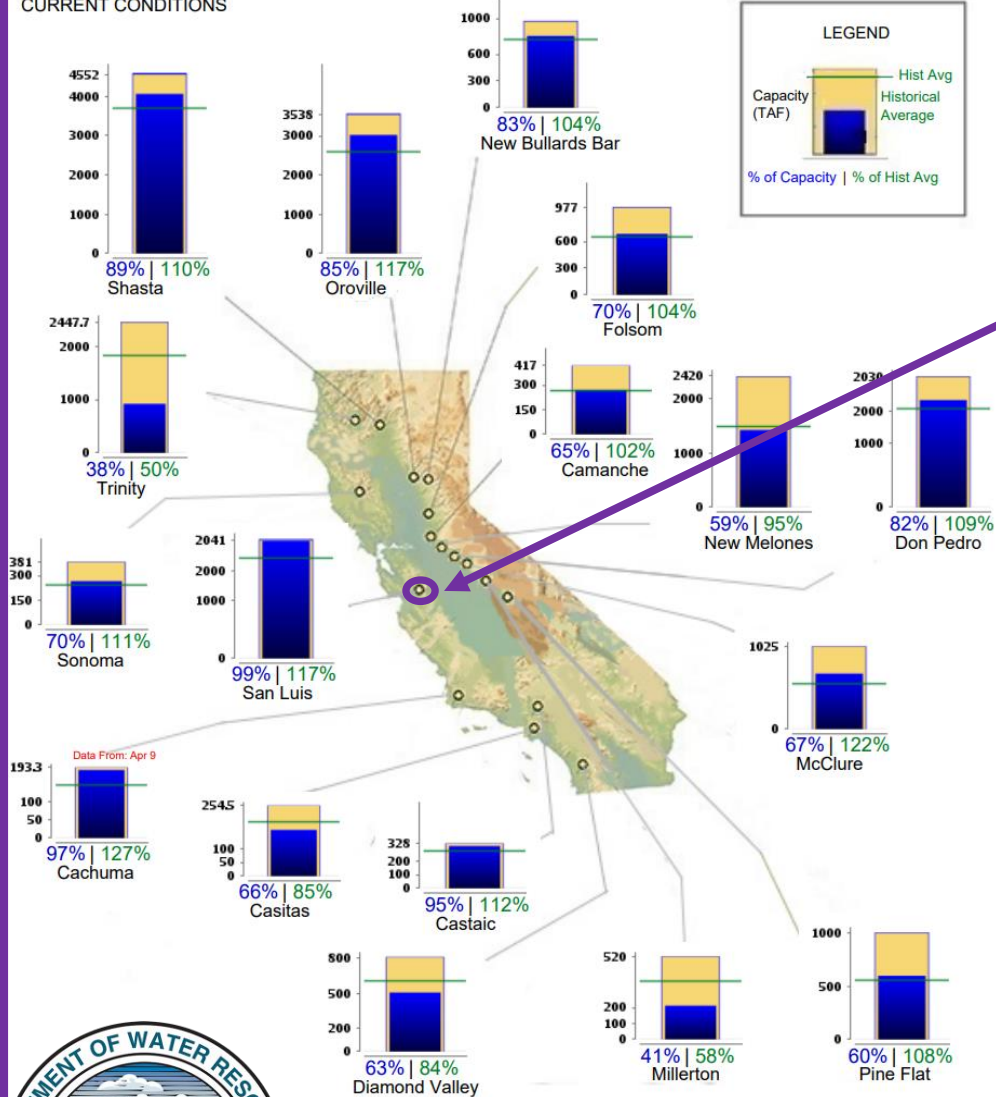


Lake Oroville Reservoir Levels

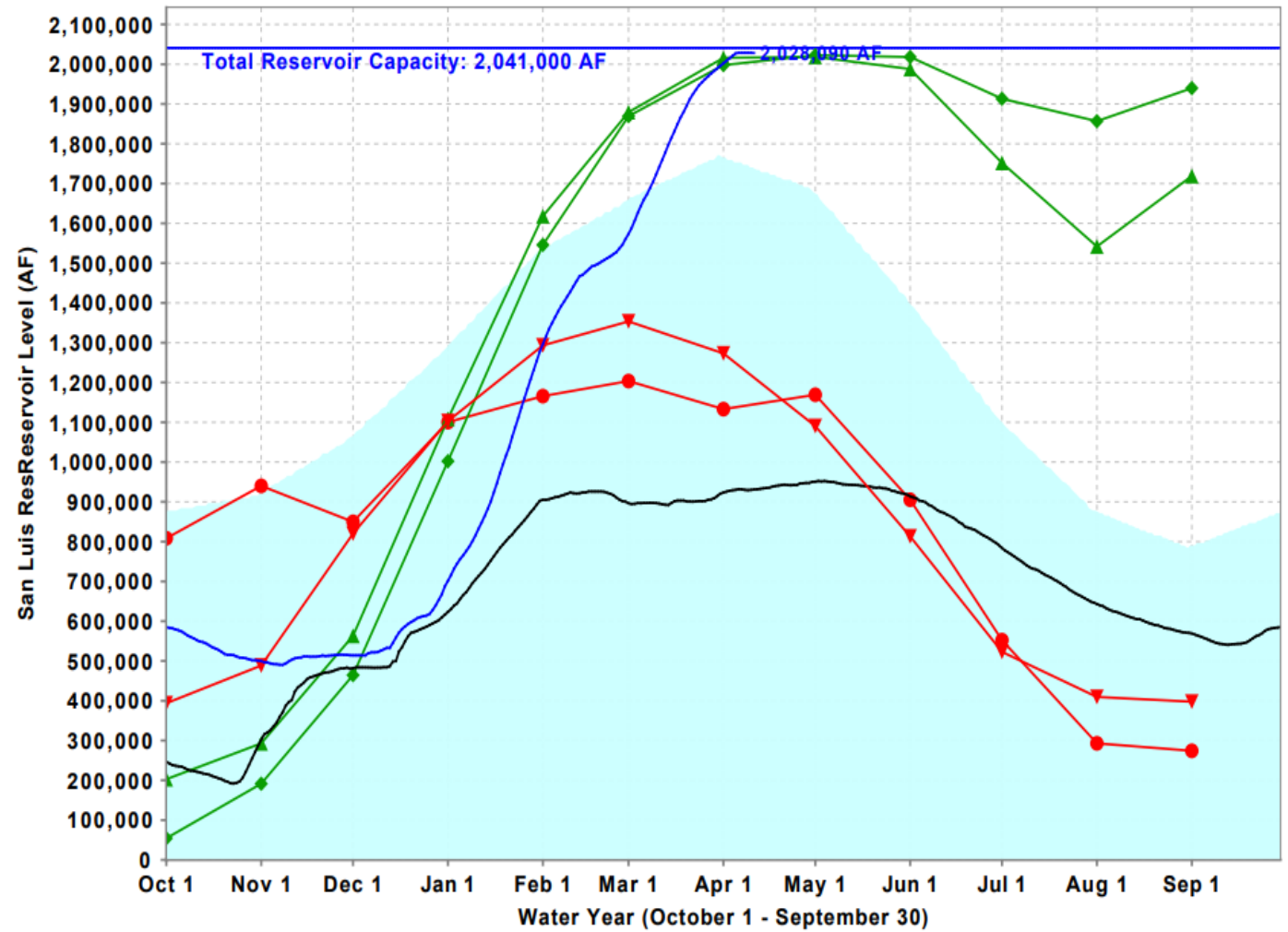
CALIFORNIA MAJOR WATER SUPPLY RESERVOIRS

CURRENT CONDITIONS

Midnight - April 11, 2023



San Luis Res Levels: Various Past Water Years and Current Water Year, Ending At Midnight April 11, 2023



■ Historical Average
 — Total Reservoir Capacity
 ● 1976-1977
 ▲ 1977-1978
 ◆ 1982-1983 (Wettest)
 ▼ 2014-2015 (Driest)
 — Current: 2022-2023



San Luis Reservoir Levels



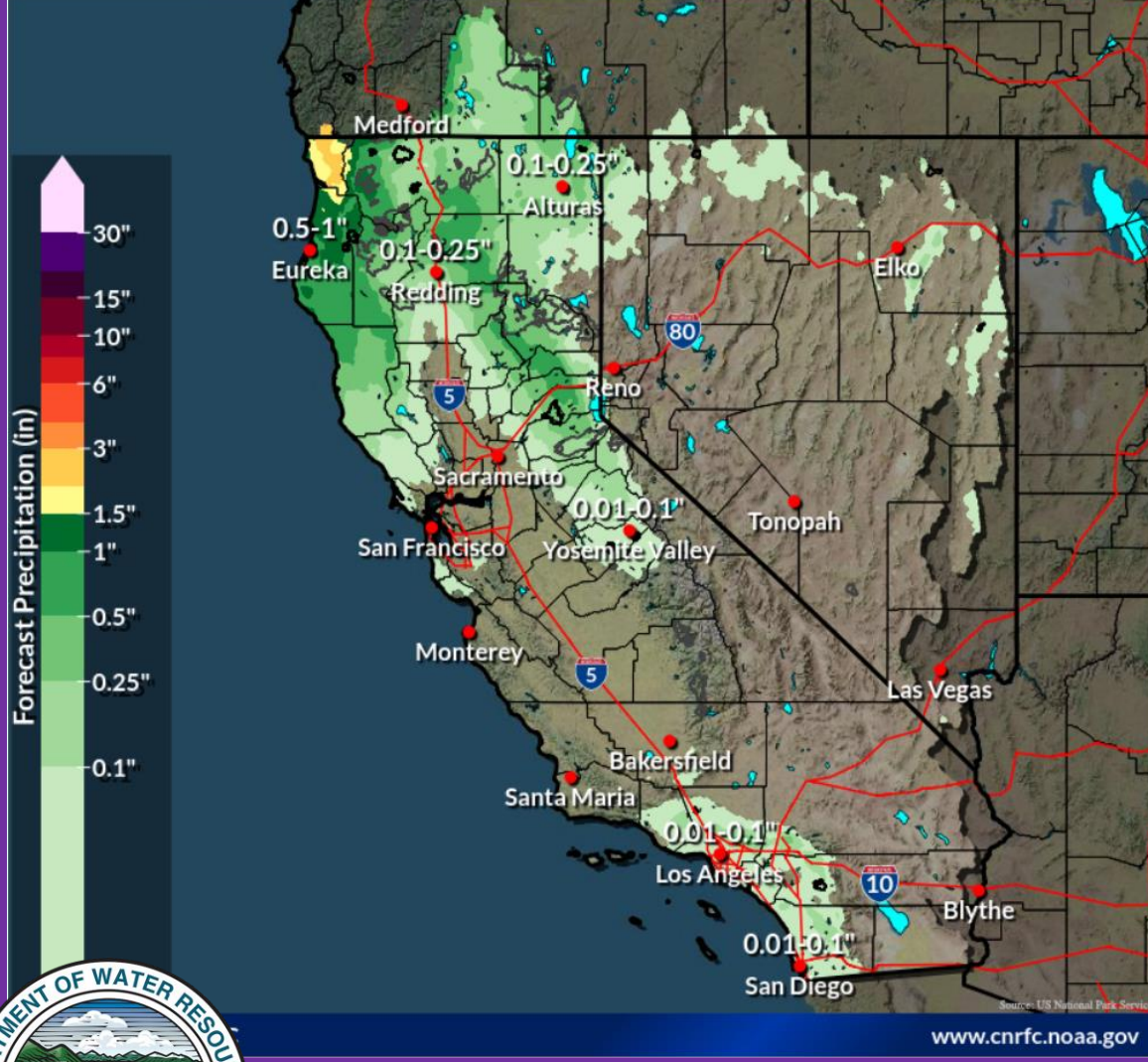
6-Day Forecast Precipitation

California Nevada
River Forecast Center



Thu Apr 13, 2023 5 AM PDT to Wed Apr 19, 2023 5 AM PDT

Issued Apr 13, 2023 7:13 AM PDT



www.cnrfc.noaa.gov

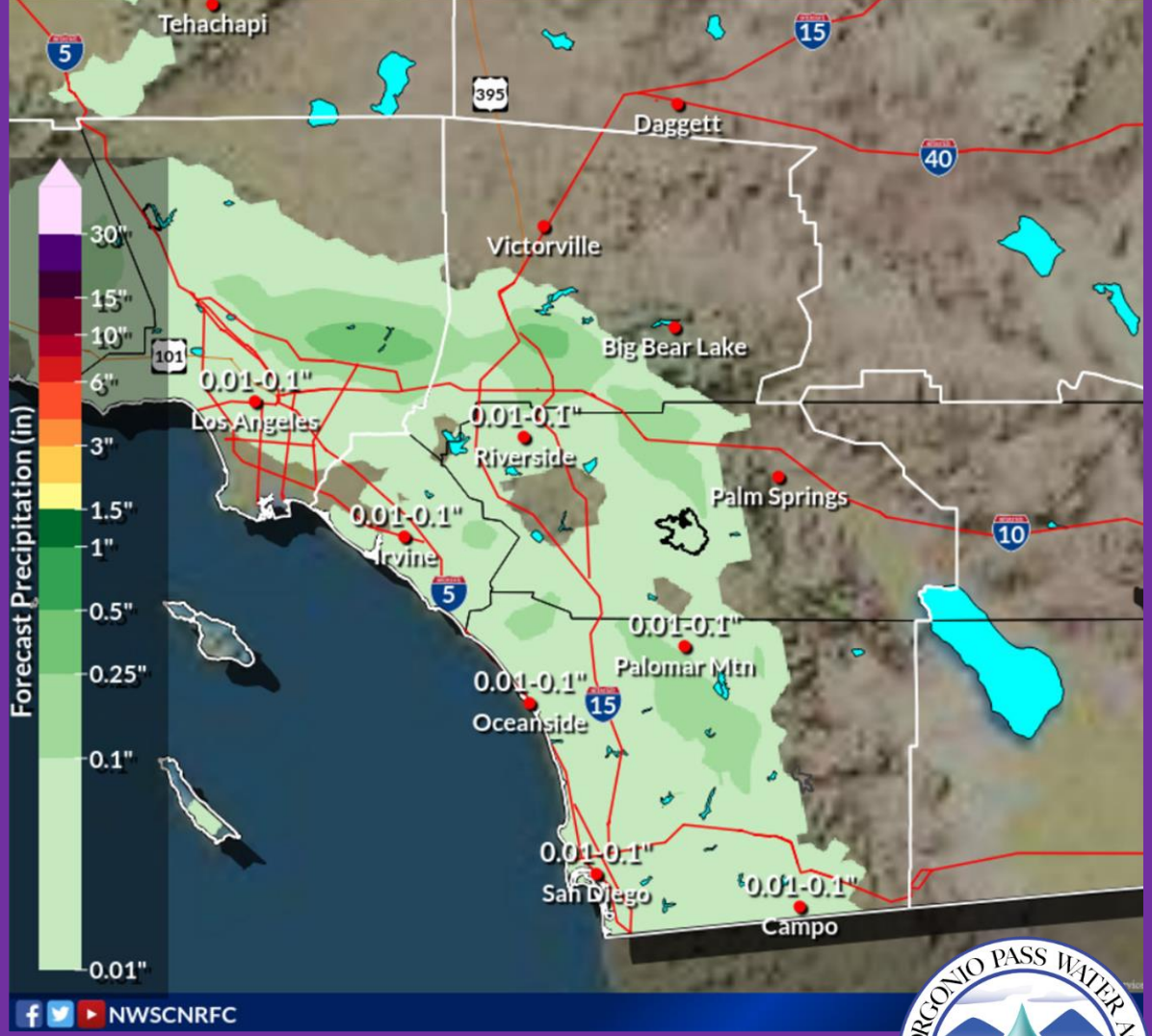
6-Day Forecast Precipitation

California Nevada
River Forecast Center



Thu Apr 13, 2023 5 AM PDT to Wed Apr 19, 2023 5 AM PDT

Issued Apr 13, 2023 7:14 AM PDT



f t y NWSCNRF

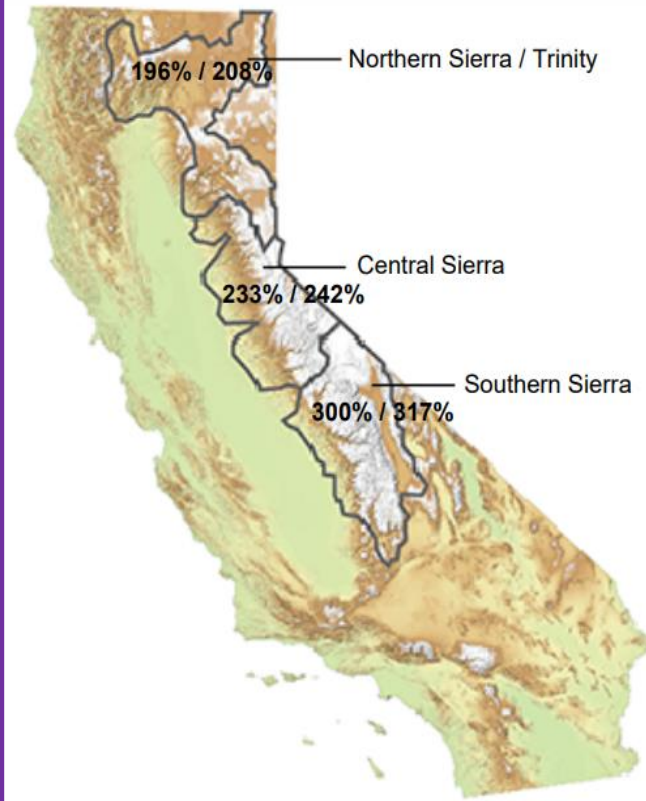


Forecasted Weather Conditions



CURRENT REGIONAL SNOWPACK FROM AUTOMATED SNOW SENSORS

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



NORTH	
Data as of April 12, 2023	
Number of Stations Reporting	24
Average snow water equivalent (Inches)	58.4
Percent of April 1 Average (%)	196
Percent of normal for this date (%)	208

CENTRAL	
Data as of April 12, 2023	
Number of Stations Reporting	44
Average snow water equivalent (Inches)	62.1
Percent of April 1 Average (%)	233
Percent of normal for this date (%)	242

SOUTH	
Data as of April 12, 2023	
Number of Stations Reporting	25
Average snow water equivalent (Inches)	60.5
Percent of April 1 Average (%)	300
Percent of normal for this date (%)	317

STATE	
Data as of April 12, 2023	
Number of Stations Reporting	93
Average snow water equivalent (Inches)	60.7
Percent of April 1 Average (%)	236
Percent of normal for this date (%)	248

Statewide Average: 236% / 248%



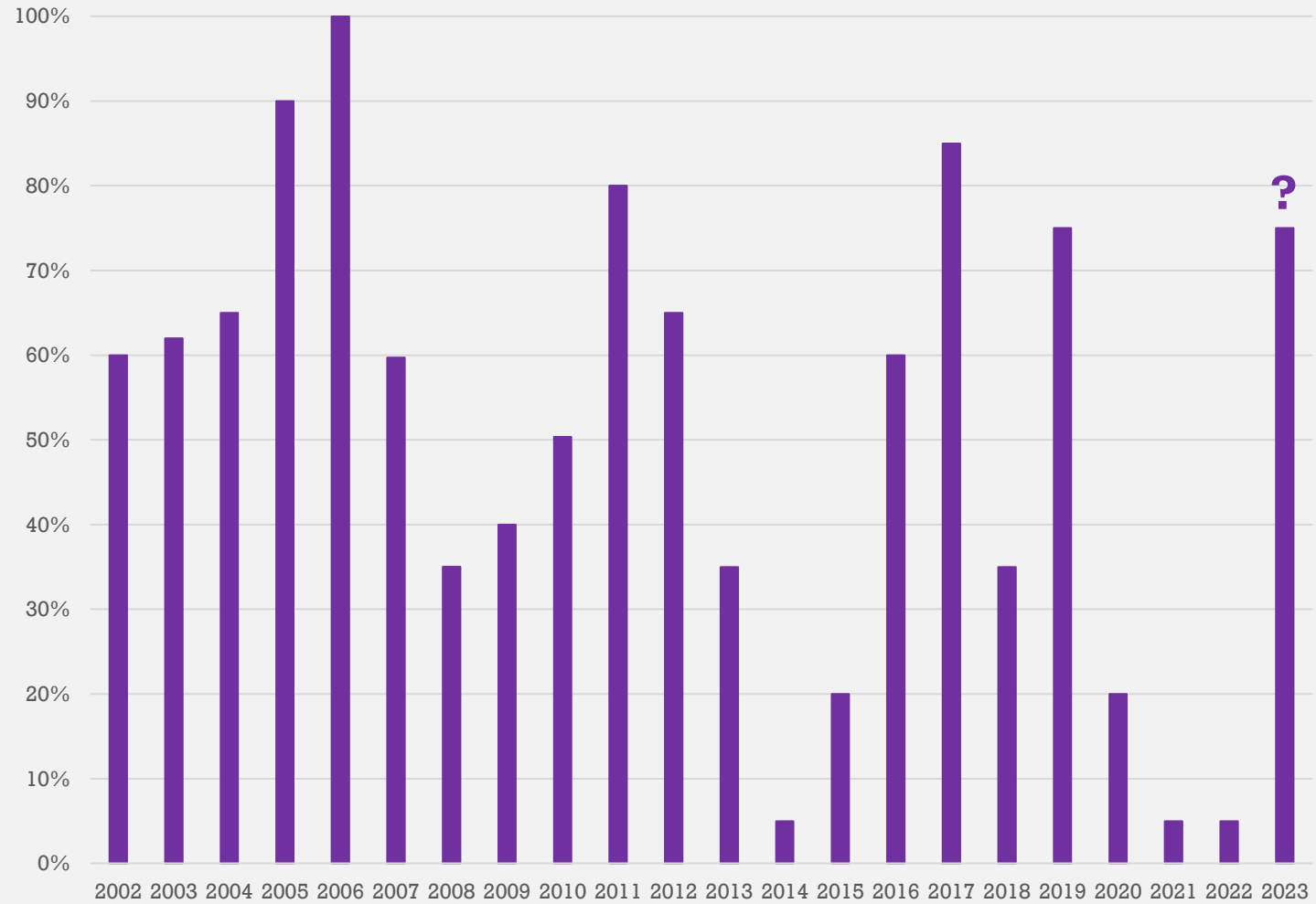
Sierra Nevada Mountain Snowpack

SGPWA Portfolio @ 75%

Source	TOTAL (AF)	Delivered
SWP - Carryover	2,231	✓
SWP – CCWA Return Water	800	✓
SWP – City of Yuba Transfer	~500	✓
SWP – Article 21	~800 (to date)	✓
SWP - Table A	12,975	
SWP - Ventura	7,500	
Subtotal SWP	24,806	
Non-SWP - Nickel Water	1,700	
Total	26,506	

**Subject to Final Verification*

Historic SWP Allocations



2023 SWP Allocation & Portfolio Update



BCVWD Recharge Facilities

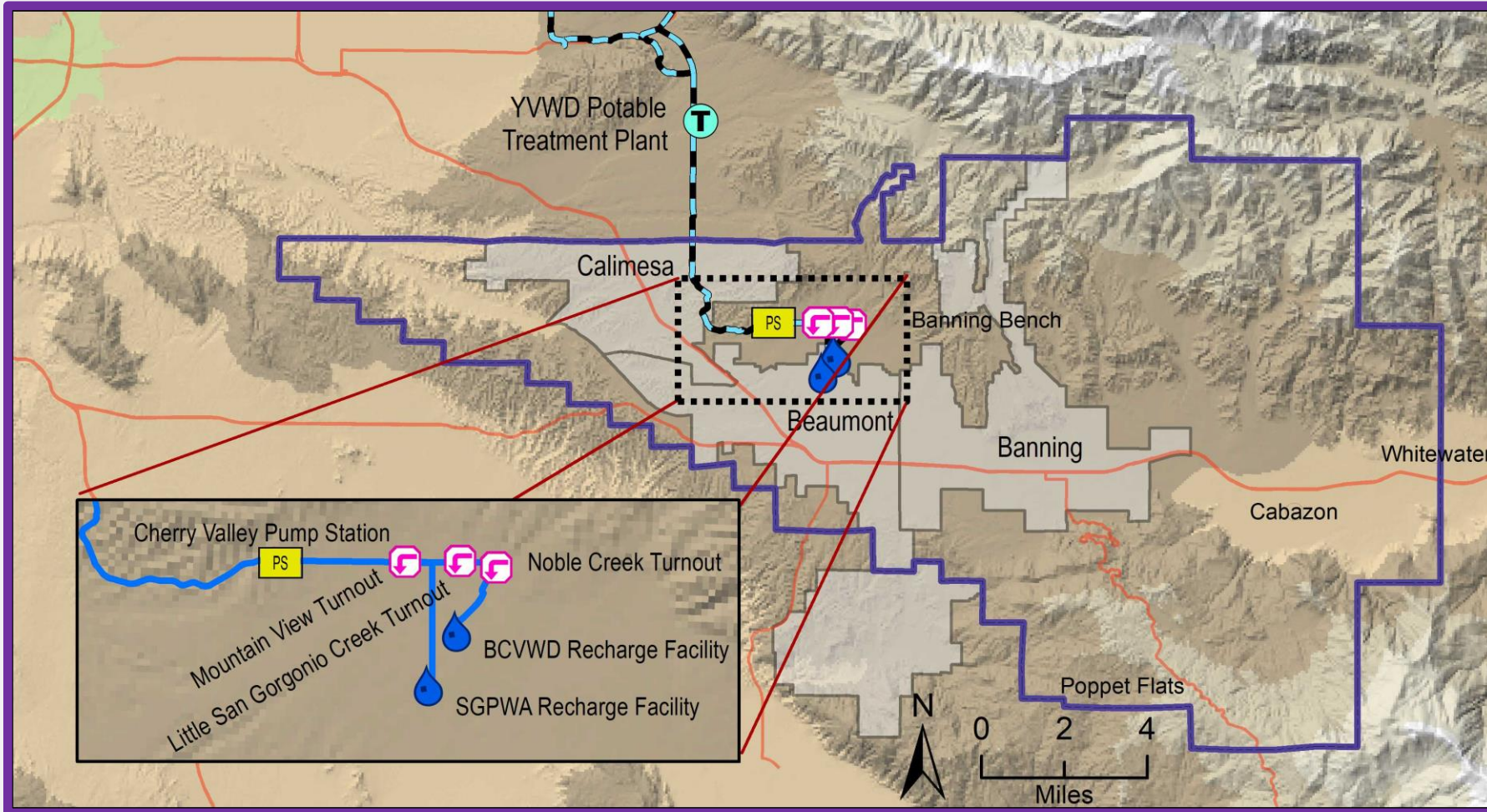


Brookside East Recharge Facility



April 2023 Recharge Activities





	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total
Recharge	0	1,339	2,539	~2,000									5,878
Direct	0	0	0	0									0

*Estimated
*From Local Storage



Local Deliveries 2023 (acre-feet)

Subject to Final Verification



Newest Easter Mascot