

Water Conditions Update



Finance & Engineering Workshop
March 20, 2023



**Weather
&
Reservoir
Conditions**

**Forecasted
Hydrologic
Conditions**

**DWR Snow
Surveys**

**SWP
Allocation &
Water
Portfolio**

**SWP
Deliveries &
Recharge**



Discussion



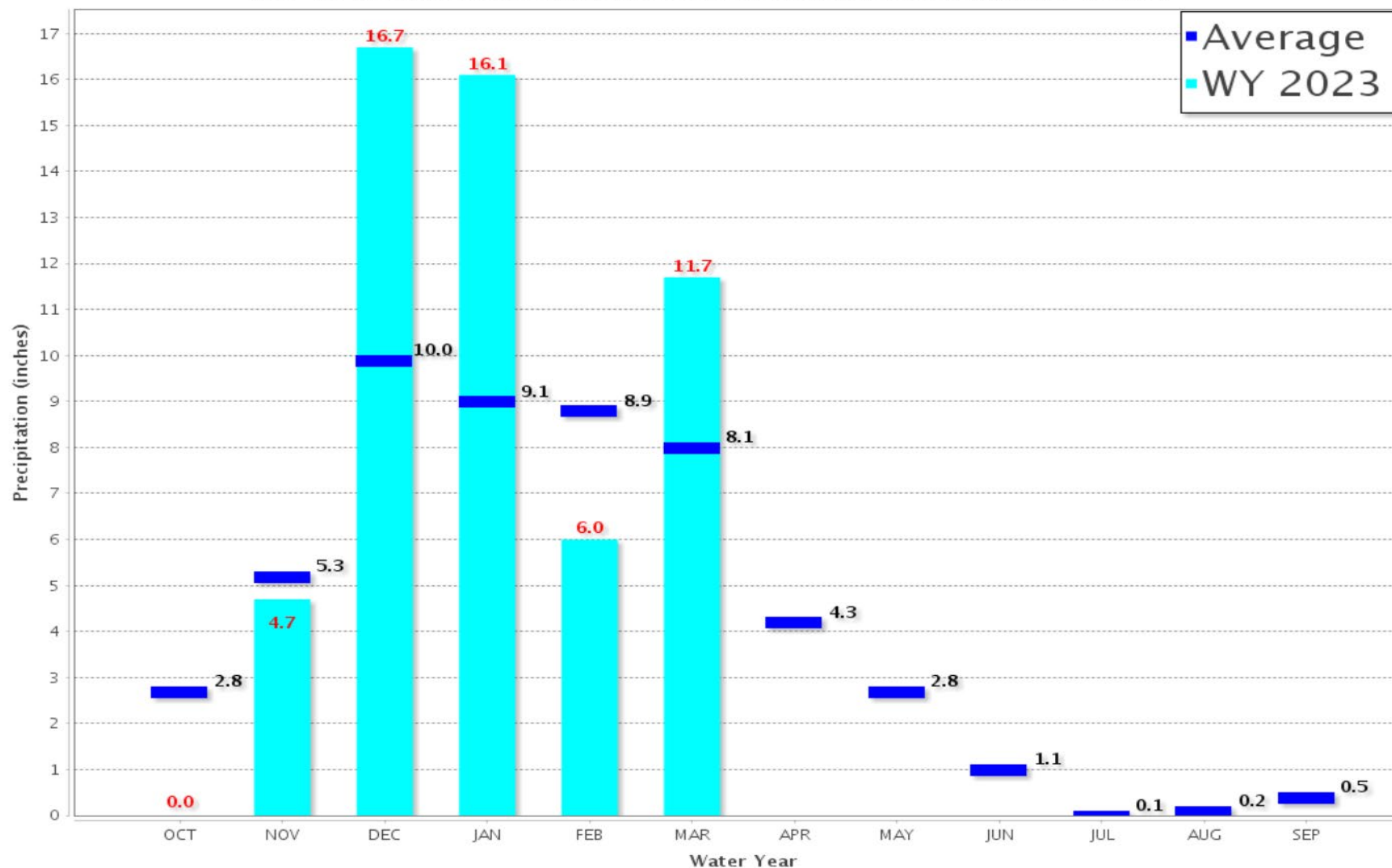


Northern Sierra 8-Station

Precipitation Index for Water Year 2023 – Updated on March 15, 2023 09:49 PM

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

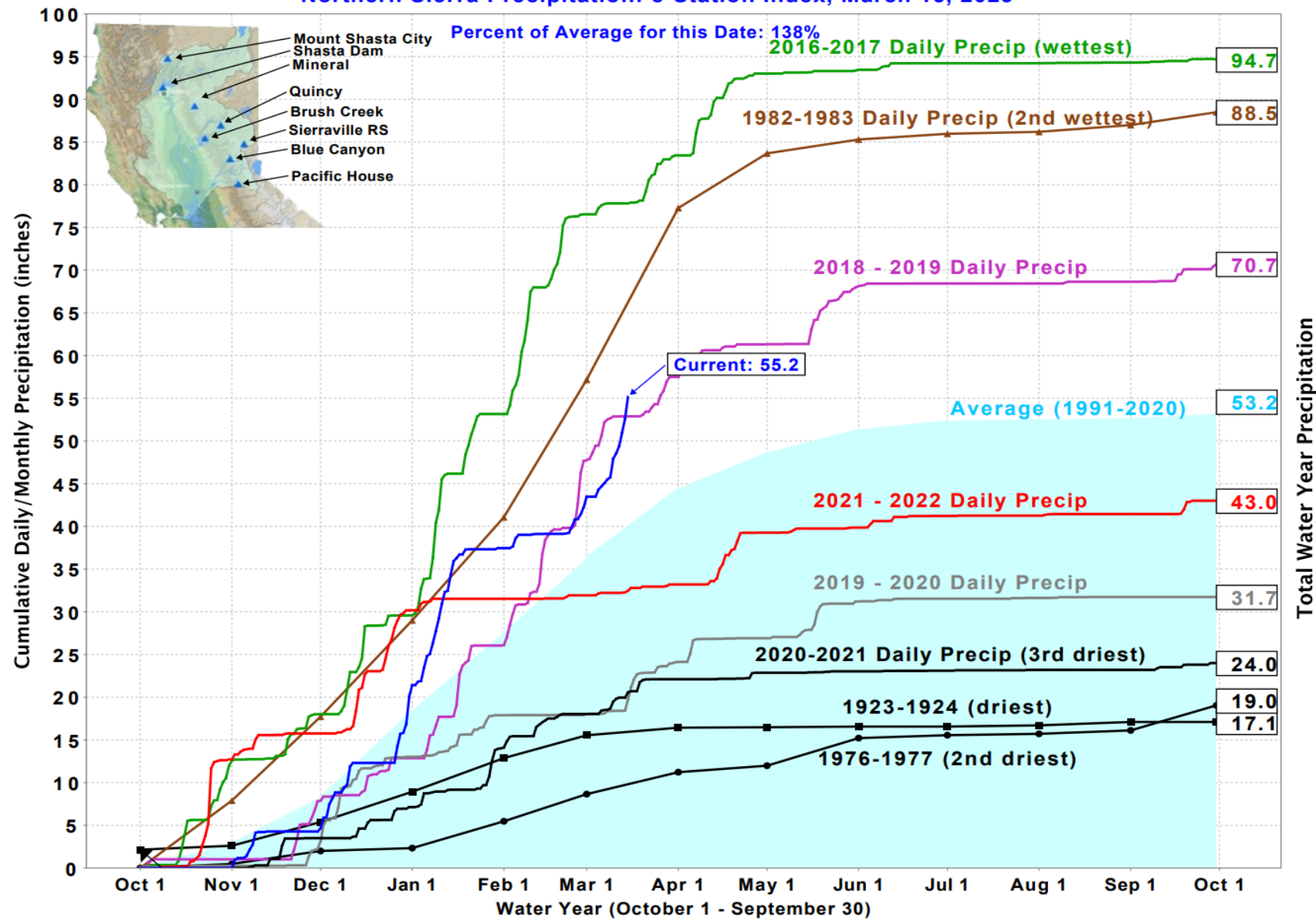
Water Year Monthly totals are calculated based on Daily precipitation data from 12am to 12am PST



State Precipitation Stations – North Sierra



Northern Sierra Precipitation: 8-Station Index, March 15, 2023

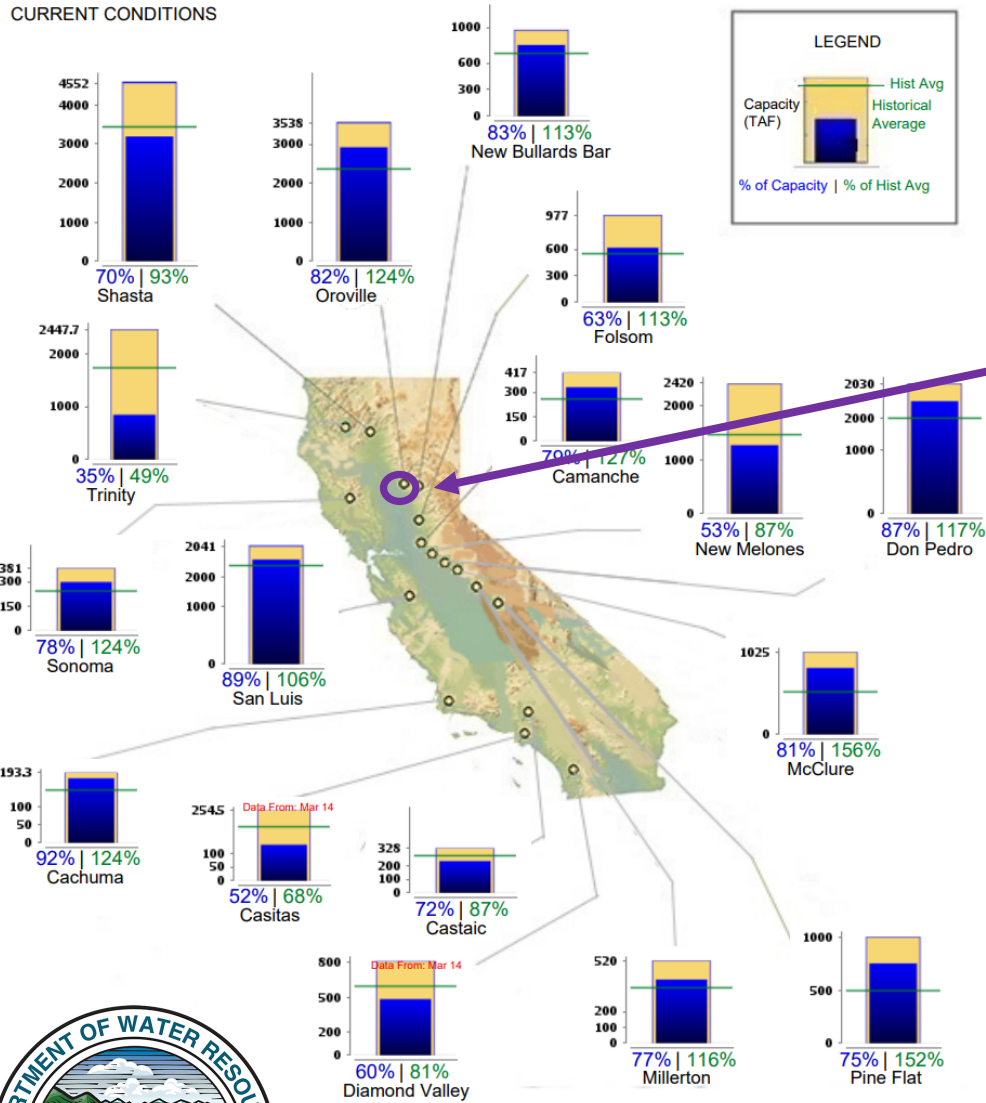


State Precipitation Stations – North Sierra

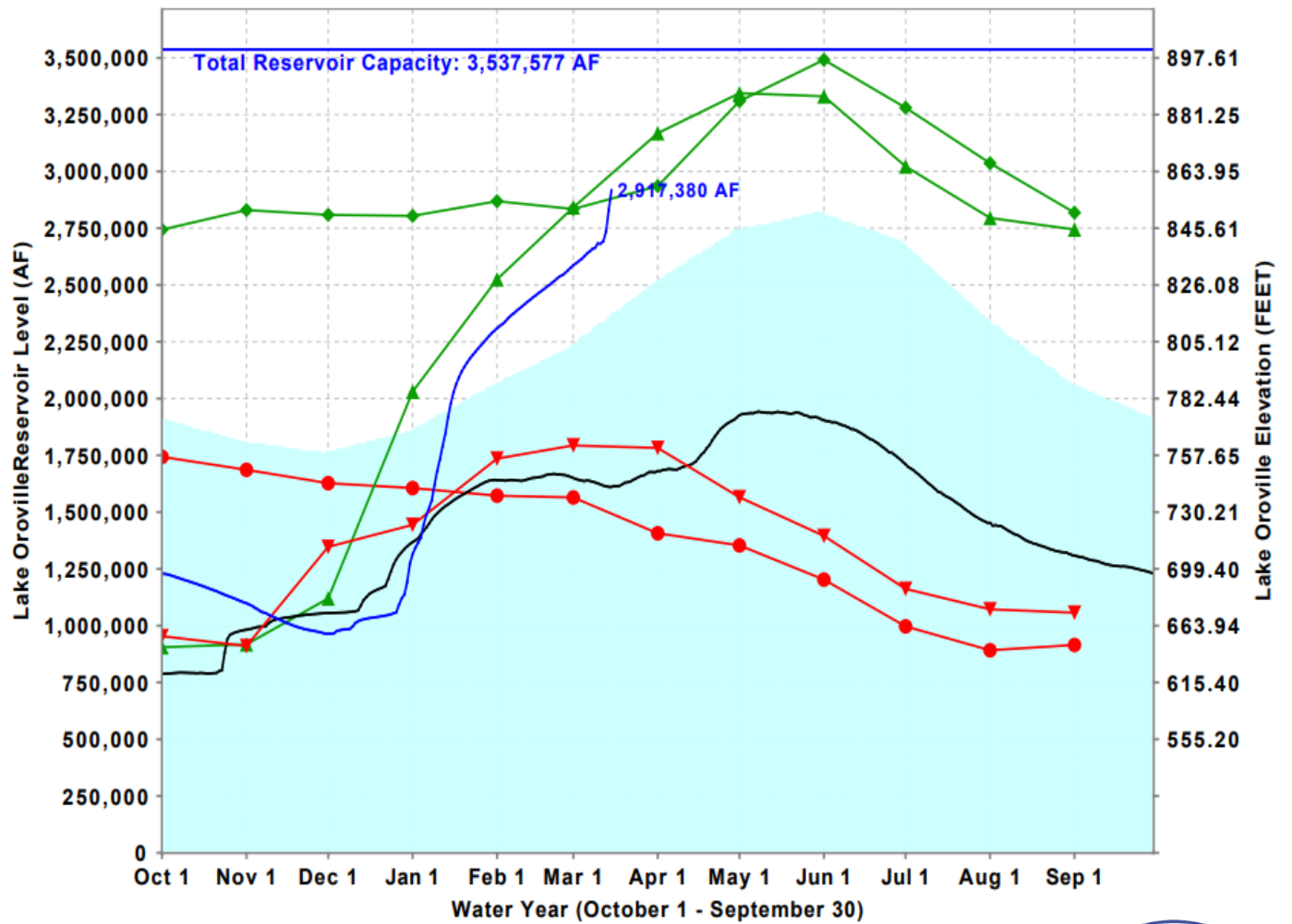
CALIFORNIA MAJOR WATER SUPPLY RESERVOIRS

CURRENT CONDITIONS

Midnight - March 15, 2023



Lake Oroville Levels: Various Past Water Years and Current Water Year, Ending At Midnight March 15, 2023



Lake Oroville Reservoir Levels





June 2021 – 32% of capacity
February 2023 – 71% of capacity



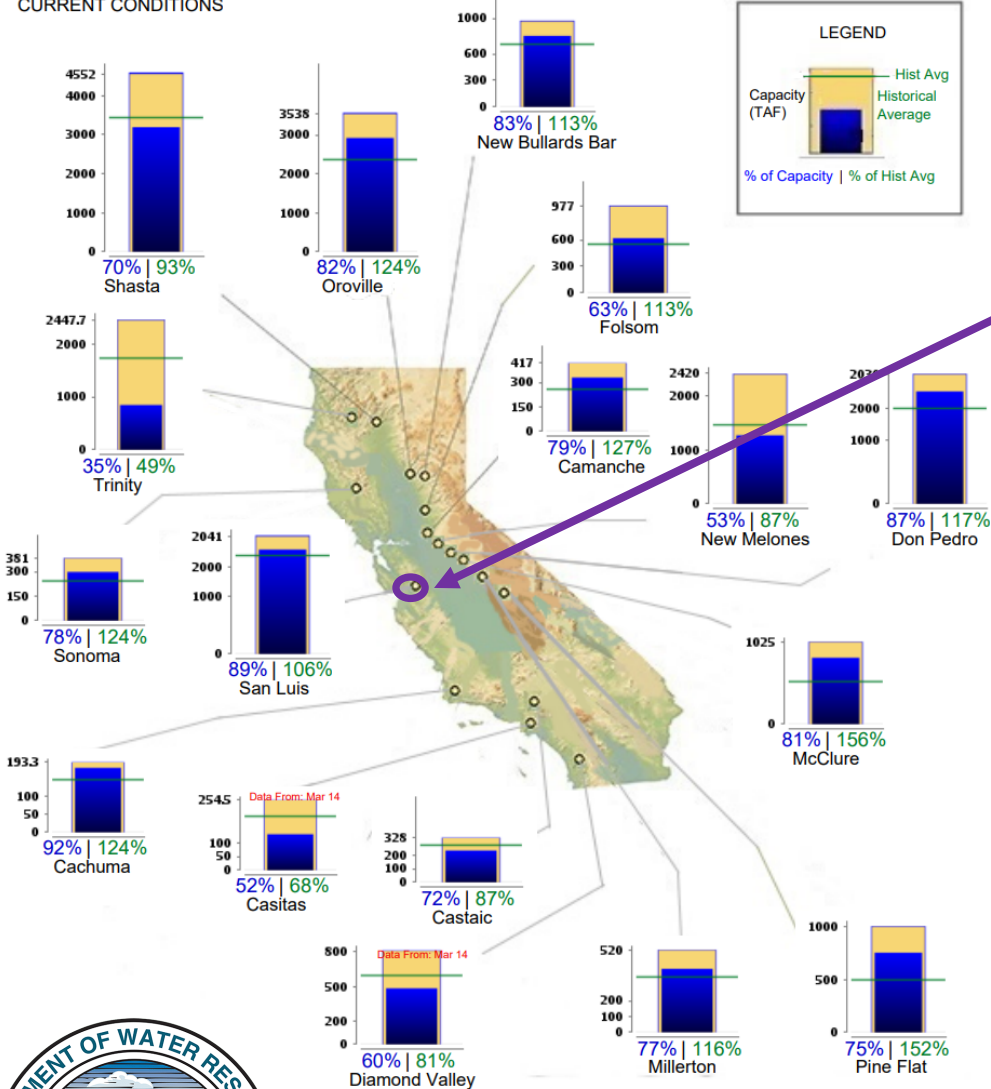
Lake Oroville Reservoir Levels



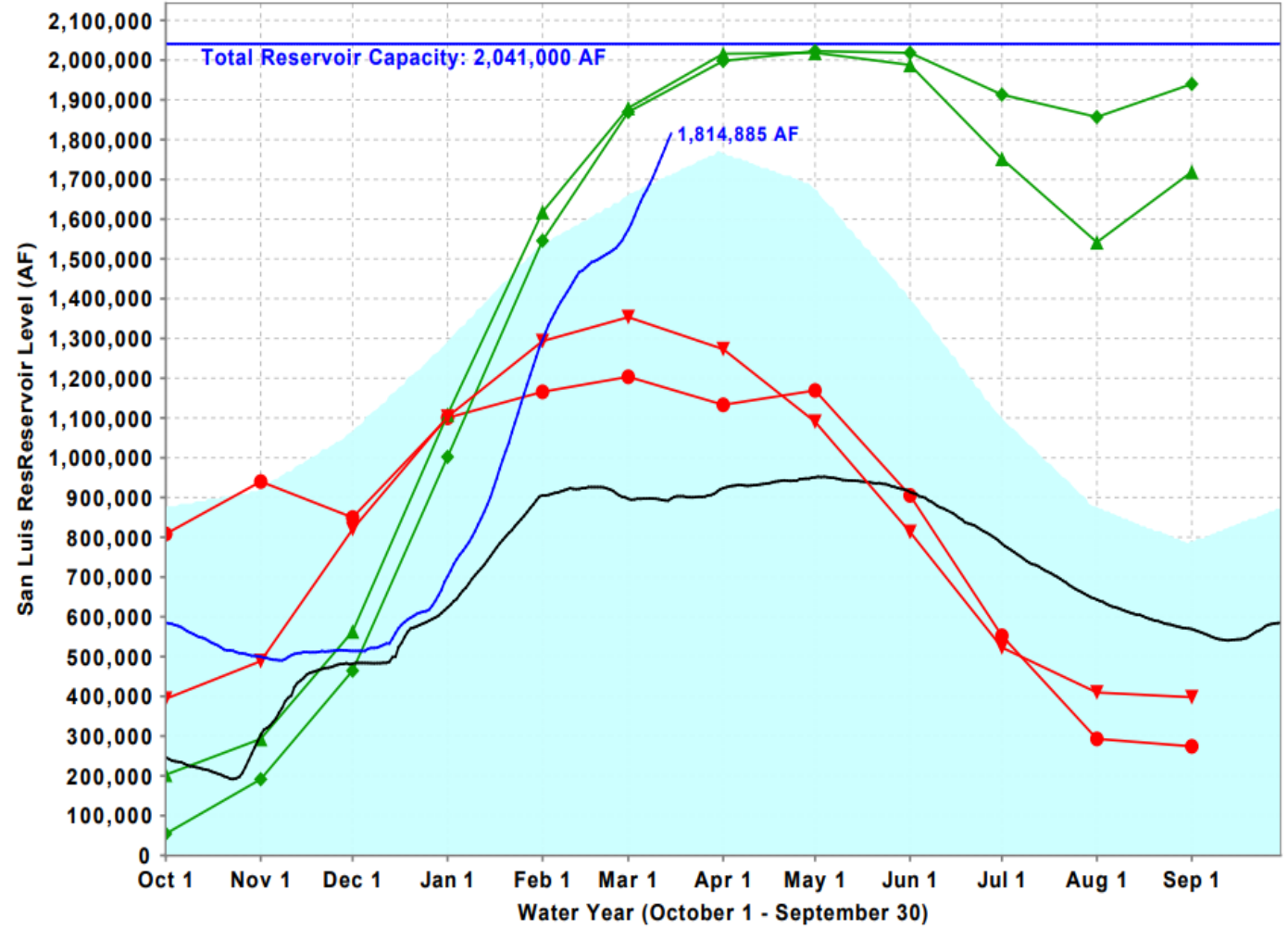
CALIFORNIA MAJOR WATER SUPPLY RESERVOIRS

CURRENT CONDITIONS

Midnight - March 15, 2023



San Luis Res Levels: Various Past Water Years and Current Water Year, Ending At Midnight March 15, 2023



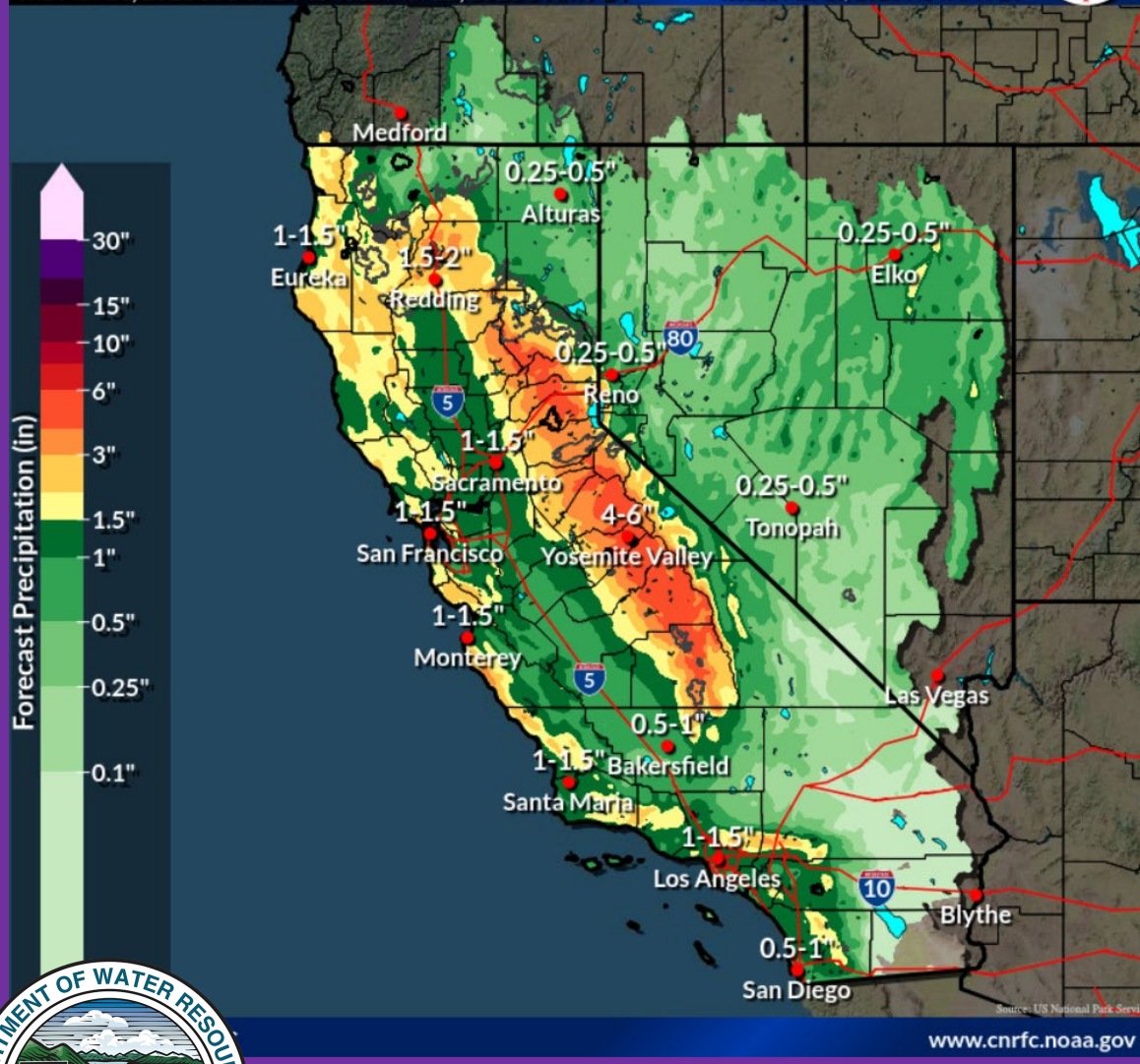
■ Historical Average
 — Total Reservoir Capacity
 ● 1976-1977
 ▲ 1977-1978
 ◆ 1982-1983 (Wettest)
 ▼ 2014-2015 (Driest)
 — Current: 2022-2023



Current Reservoir Levels

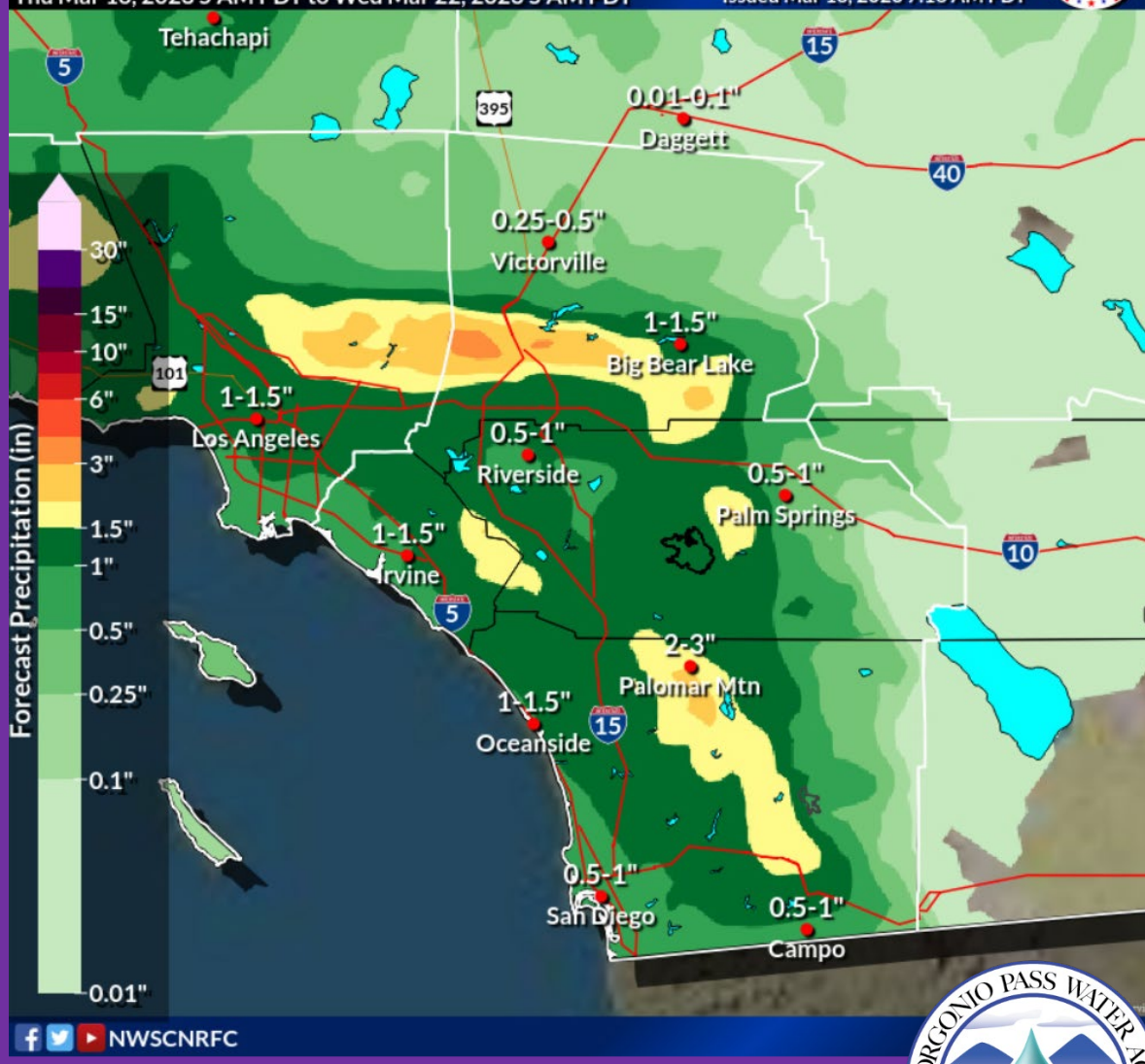
6-Day Forecast Precipitation

California Nevada
River Forecast Center
Thu Mar 16, 2023 5 AM PDT to Wed Mar 22, 2023 5 AM PDT
Issued Mar 16, 2023 7:14 AM PDT



6-Day Forecast Precipitation

California Nevada
River Forecast Center
Thu Mar 16, 2023 5 AM PDT to Wed Mar 22, 2023 5 AM PDT
Issued Mar 16, 2023 7:16 AM PDT



f t y NWSCNRF



Forecasted Weather Conditions

January 23
2022

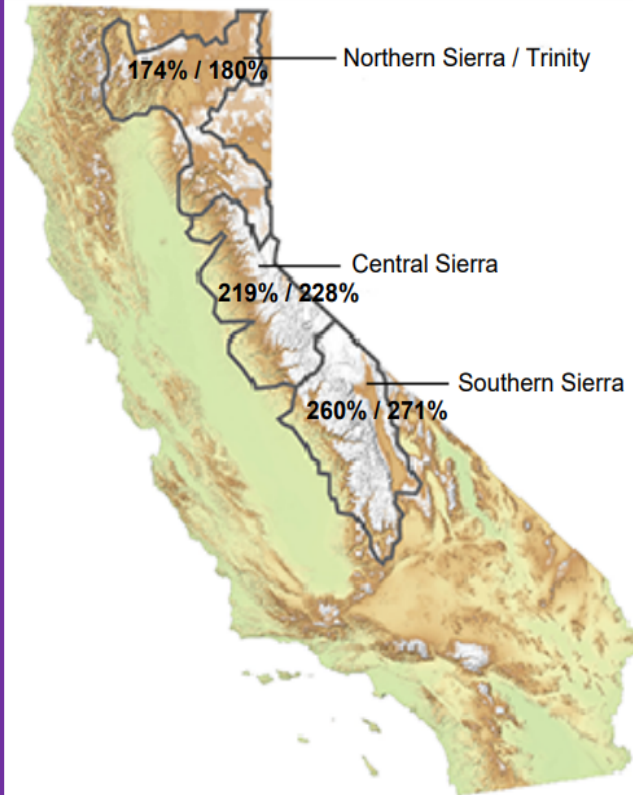
January 17
2023



Sierra Nevada Mountain Snowpack

CURRENT REGIONAL SNOWPACK FROM AUTOMATED SNOW SENSORS

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



Statewide Average: 215% / 223%

NORTH

Data as of March 15, 2023

Number of Stations Reporting	29
Average snow water equivalent (Inches)	50.8
Percent of April 1 Average (%)	174
Percent of normal for this date (%)	180

CENTRAL

Data as of March 15, 2023

Number of Stations Reporting	47
Average snow water equivalent (Inches)	58.4
Percent of April 1 Average (%)	219
Percent of normal for this date (%)	228

SOUTH

Data as of March 15, 2023

Number of Stations Reporting	30
Average snow water equivalent (Inches)	57.3
Percent of April 1 Average (%)	260
Percent of normal for this date (%)	271

STATE

Data as of March 15, 2023

Number of Stations Reporting	106
Average snow water equivalent (Inches)	56.0
Percent of April 1 Average (%)	215
Percent of normal for this date (%)	223



SWP Allocation Timeline

December 1: 5% SWP Allocation + Human Health and Safety Needs

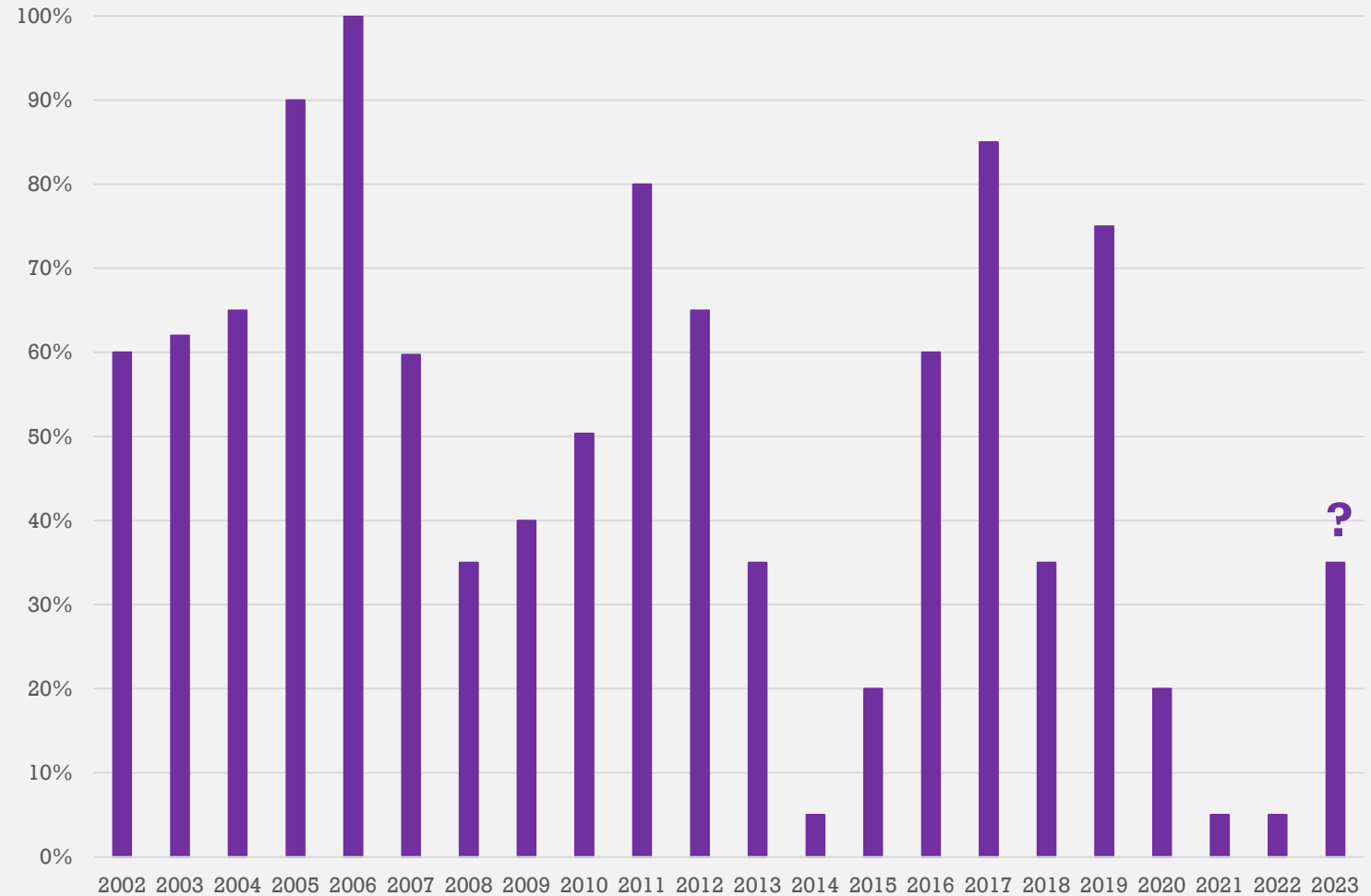
January 26: 30% SWP Allocation

February 22: 35% SWP Allocation

SGPWA Portfolio @ 35%

Source	TOTAL (AF)
SWP - SGPWA Carryover	2,231
SWP - Table A	6,055
SWP - Ventura	3,500
SWP – City of Yuba Transfer	~3,999
Subtotal SWP	15,785
Non-SWP - Nickel Water	1,700
Total	17,485

Historic SWP Allocations



2023 SWP Allocation & Portfolio Update

February 6, 2023

- SWP Deliveries started:
- Article 56 Carryover water
- SLR Backup storage water (including 2022 Ventura Table A transfer)

March 18, 2023

- Completed Central Coast Water Authority 2:1 exchange deliveries
- SWP Deliveries started:
 - City of Yuba City Article 56 Carryover transfer deliveries

CVPS Flow

35
CFS

40
CFS

45
CFS

March 7, 2023

- Completed Carryover & SLR Backup storage deliveries
- SWP Deliveries started:
 - Central Coast Water Authority 2:1 exchange



2023 SWP Delivery Timeline



BCVWD's Recharge Facility

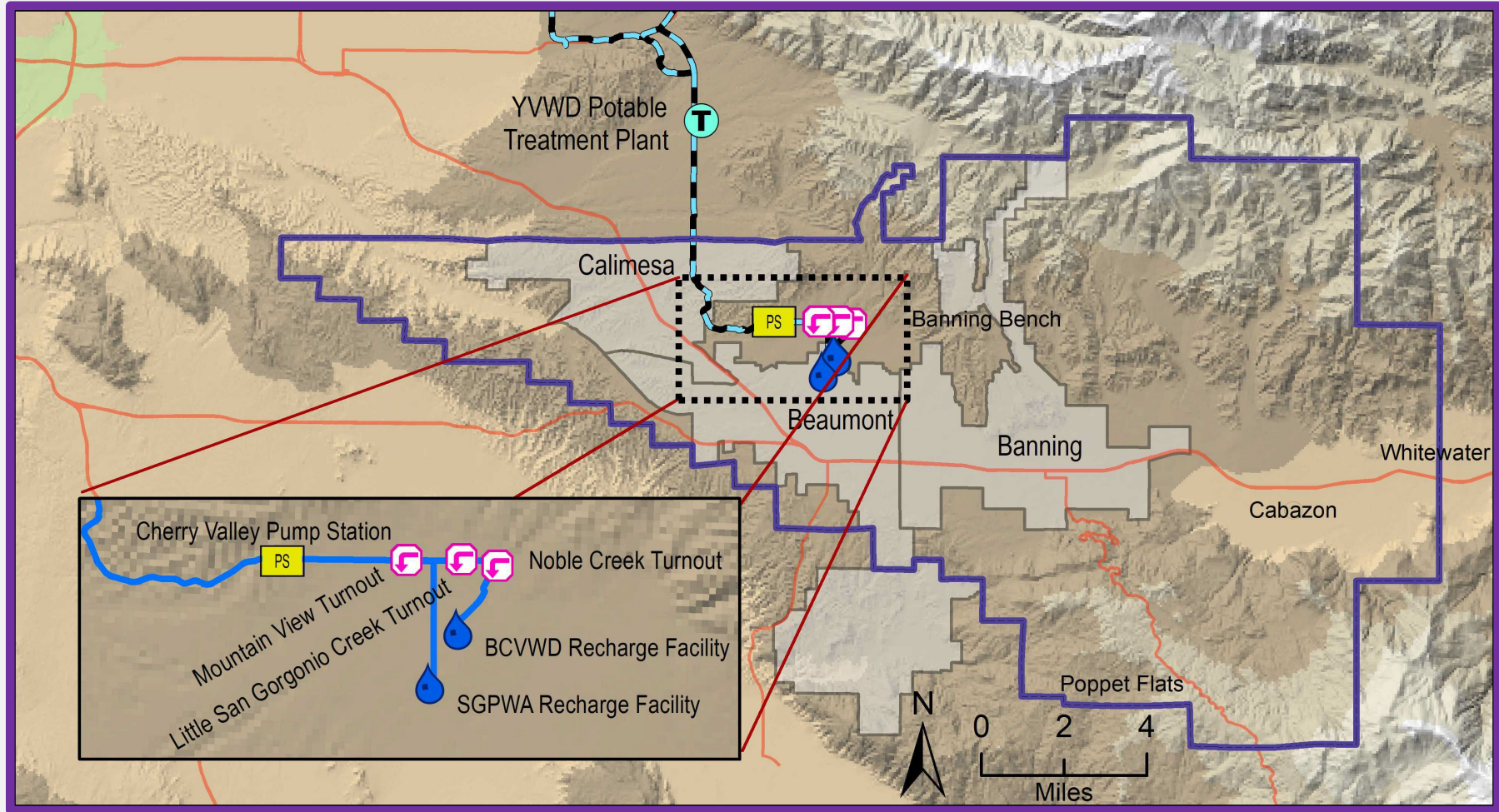


Brookside East Recharge Facility



March Recharge Activities





	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total
Recharge	0	1,339	~2,600										0
Direct	0	0	0										0

*Estimated
*From Local Storage



Local Deliveries 2023 (acre-feet)

Subject to Final Verification

