

Water Conditions Update



SGPWA Workshop
August 16, 2021



**Weather
&
Reservoir
Conditions**

~~Forecasted
Hydrologic
Conditions~~
DRY

Water Debt

**2021
Requests**

**2021
Deliveries**



Discussion

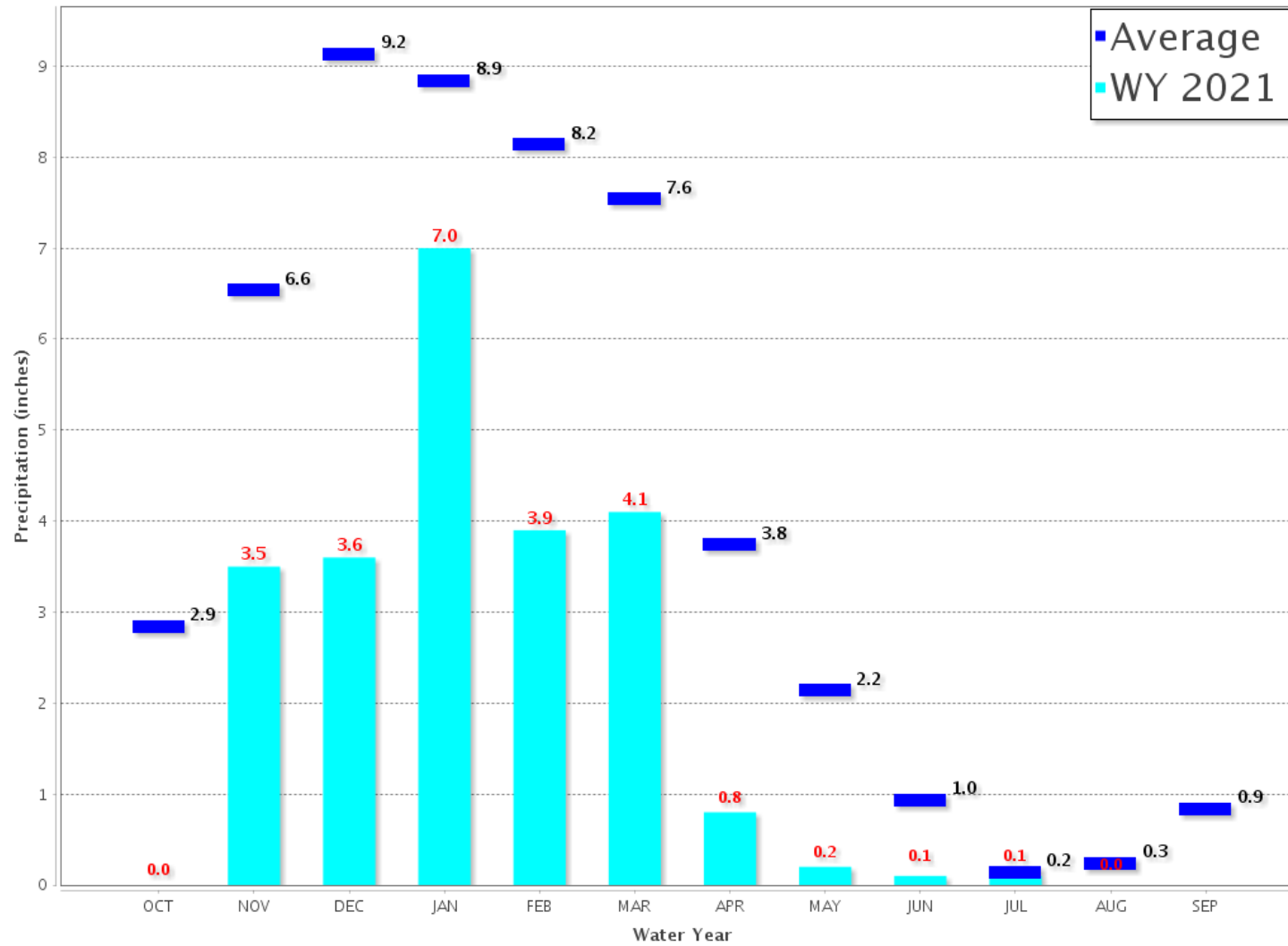


Northern Sierra 8-Station

Precipitation Index for Water Year 2021 - Updated on August 10, 2021 09:48 PM

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

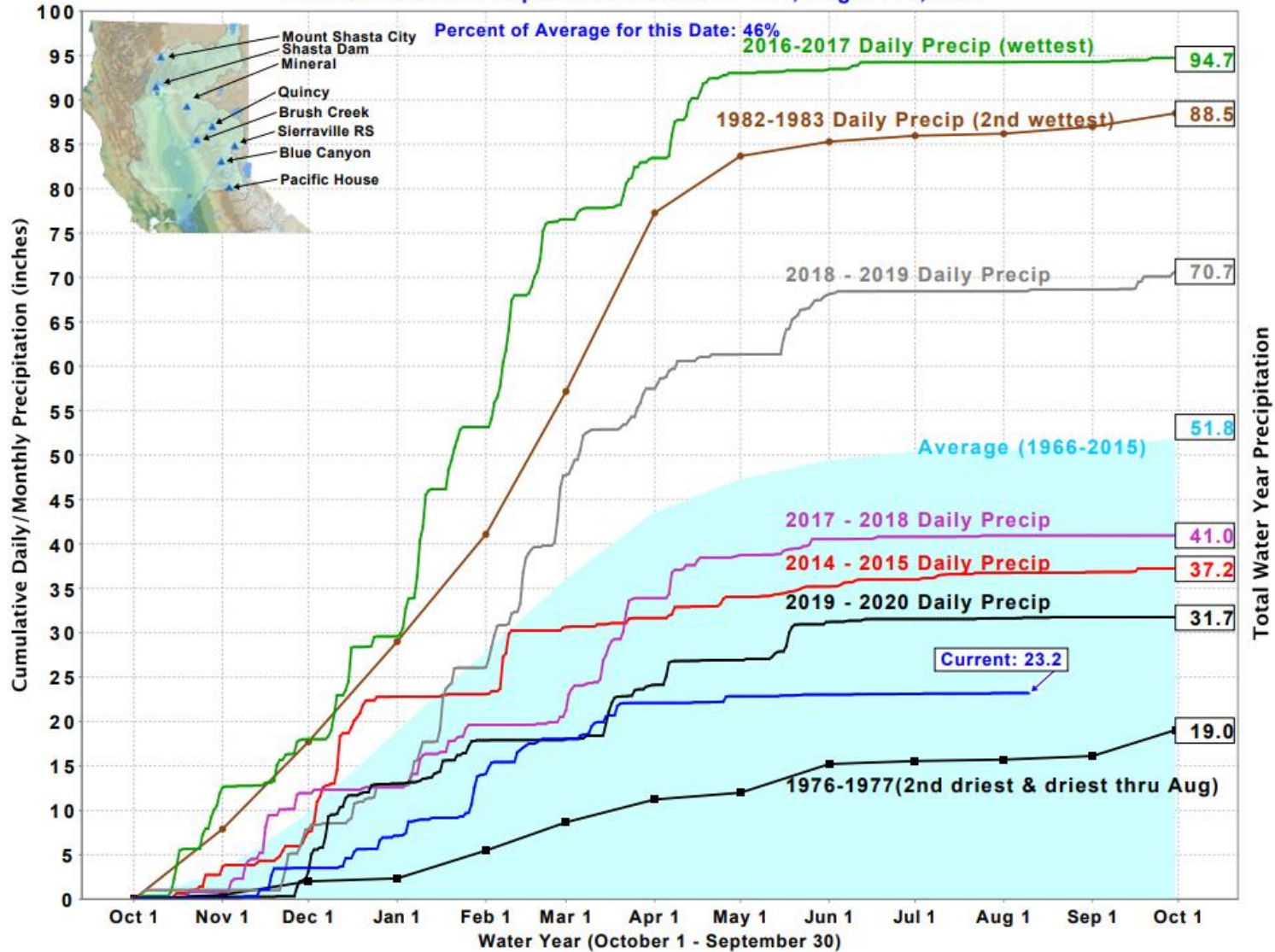
Water Year Monthly totals are calculated based on Daily precipitation data from 12am to 12am PST



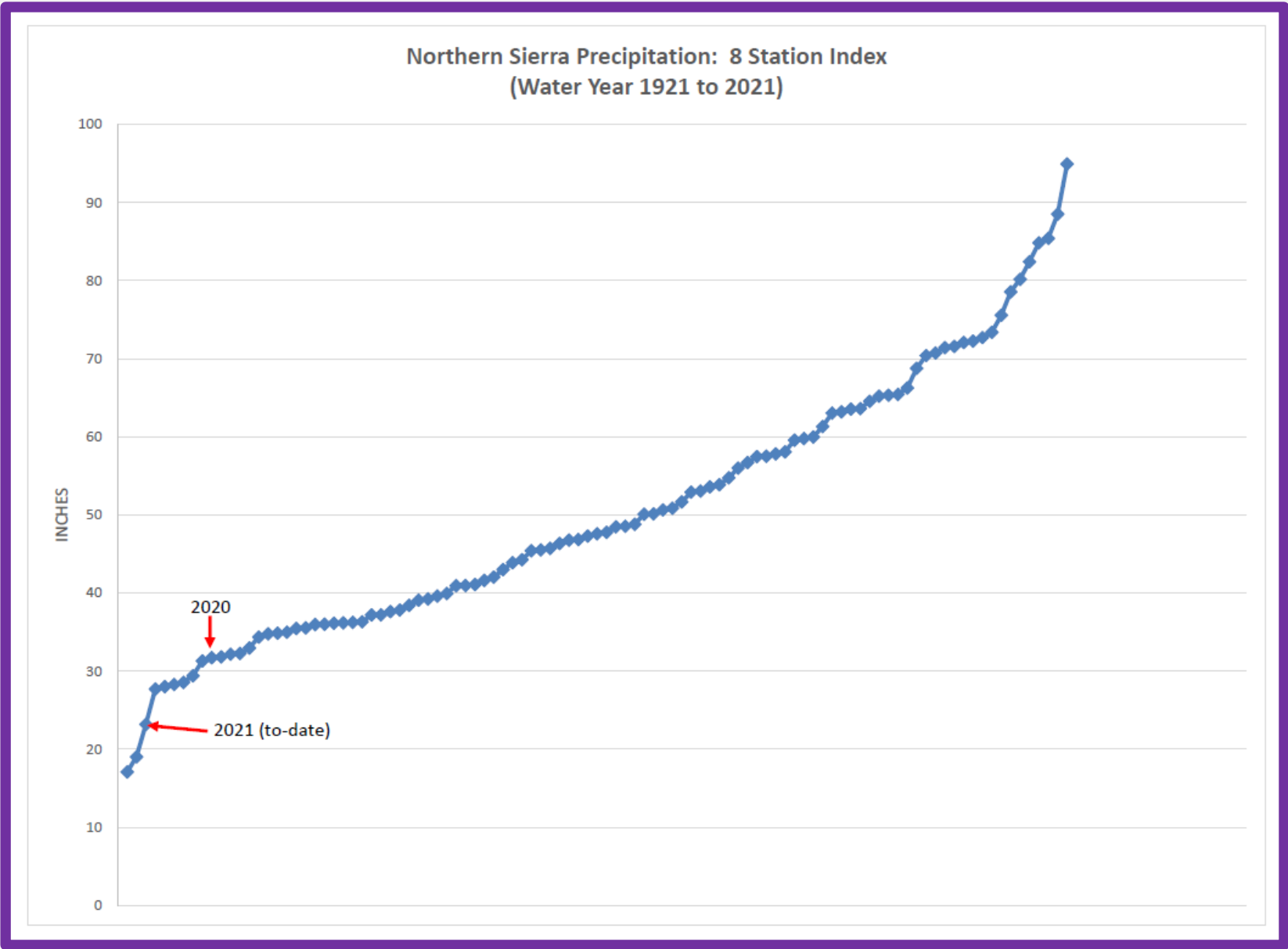
State Precipitation Stations



Northern Sierra Precipitation: 8-Station Index, August 10, 2021



State Precipitation Stations

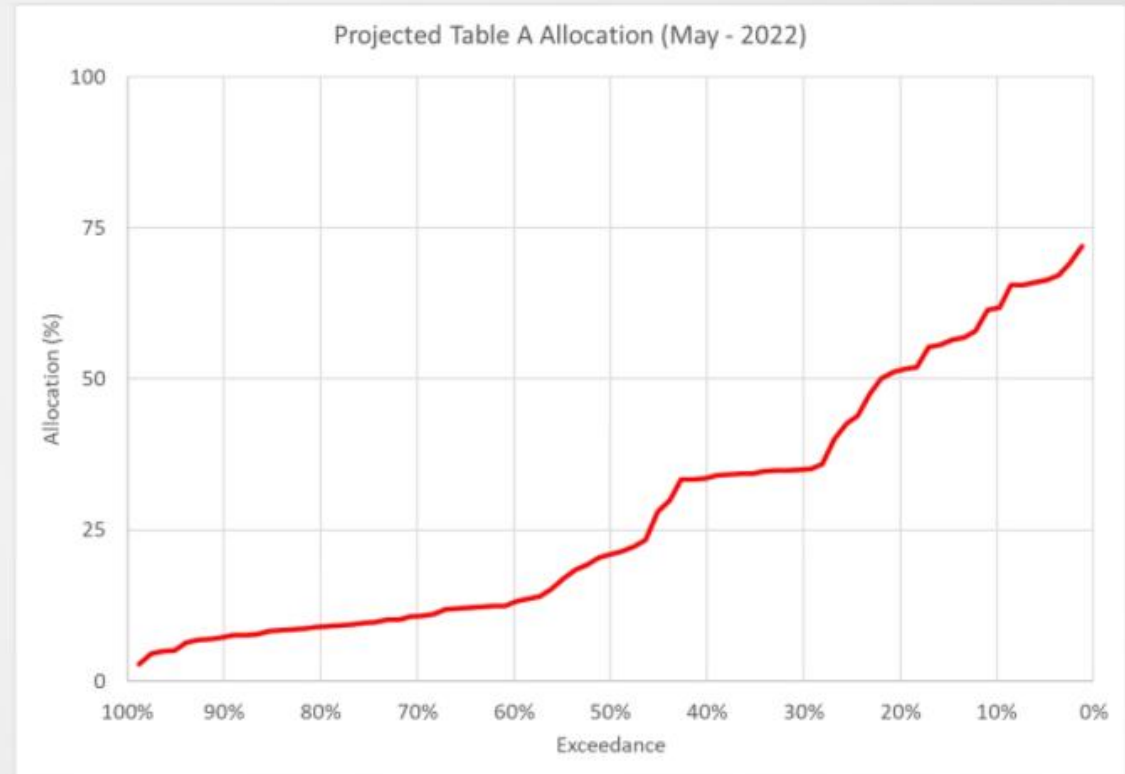


Precipitation History



May Allocation

- Same high-level conclusion as last month
- “Final” Allocation (May) Increased probability that hydrologic conditions will improve allocation
- However, 50% chance that SWP allocation 20% or less



CALIFORNIA DEPARTMENT OF
WATER RESOURCES

Preliminary – Subject to Revision

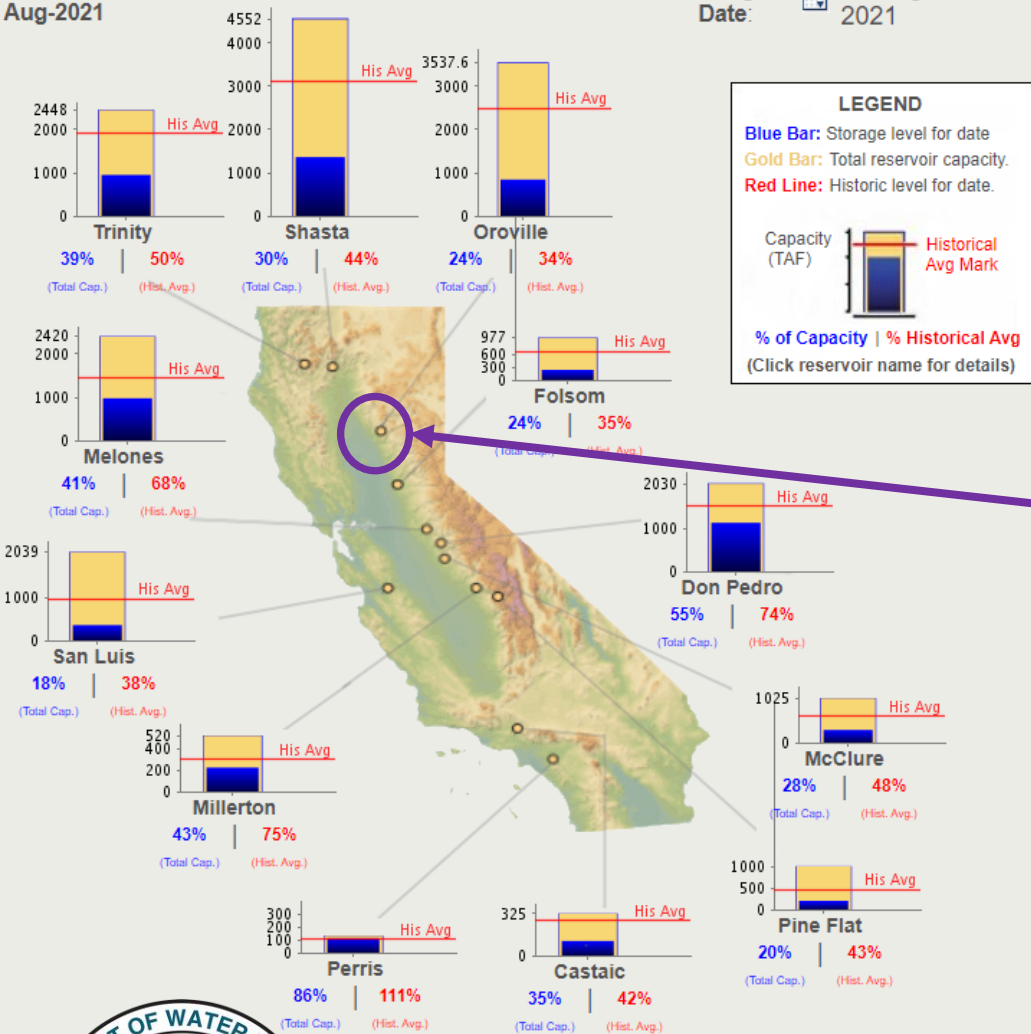


2022 Predictions

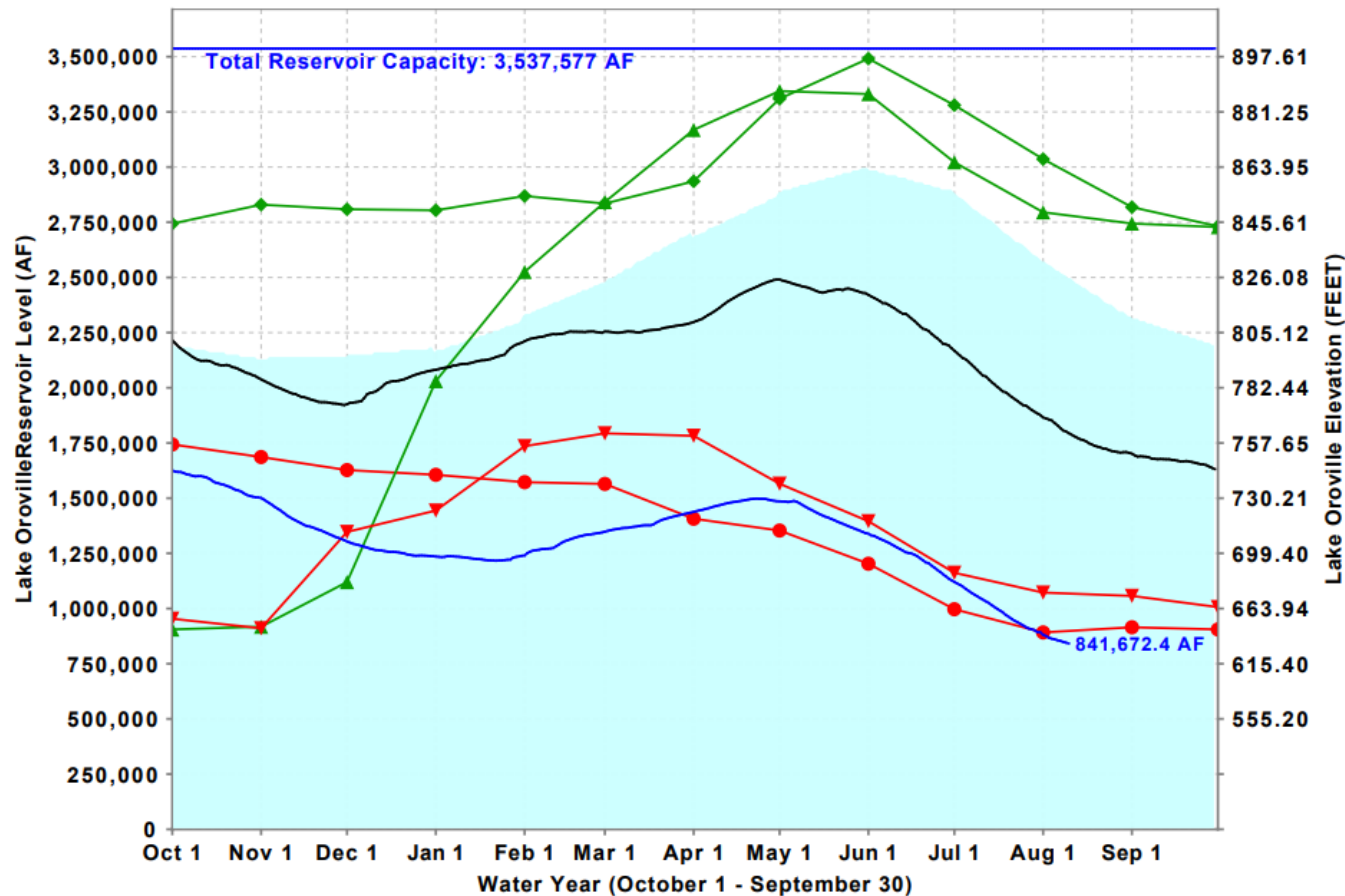


Data as of Midnight: 10-Aug-2021

Change Date: 10-Aug-2021



Lake Oroville Levels: Various Past Water Years and Current Water Year, Ending At Midnight August 10, 2021



■ Historical Average
 — Total Reservoir Capacity
 ● 1976-1977 (Driest)
 ▲ 1977-1978
 ◆ 1982-1983 (Wettest)
— 2019-2020
 ▼ 2014-2015
 — Current: 2020-2021

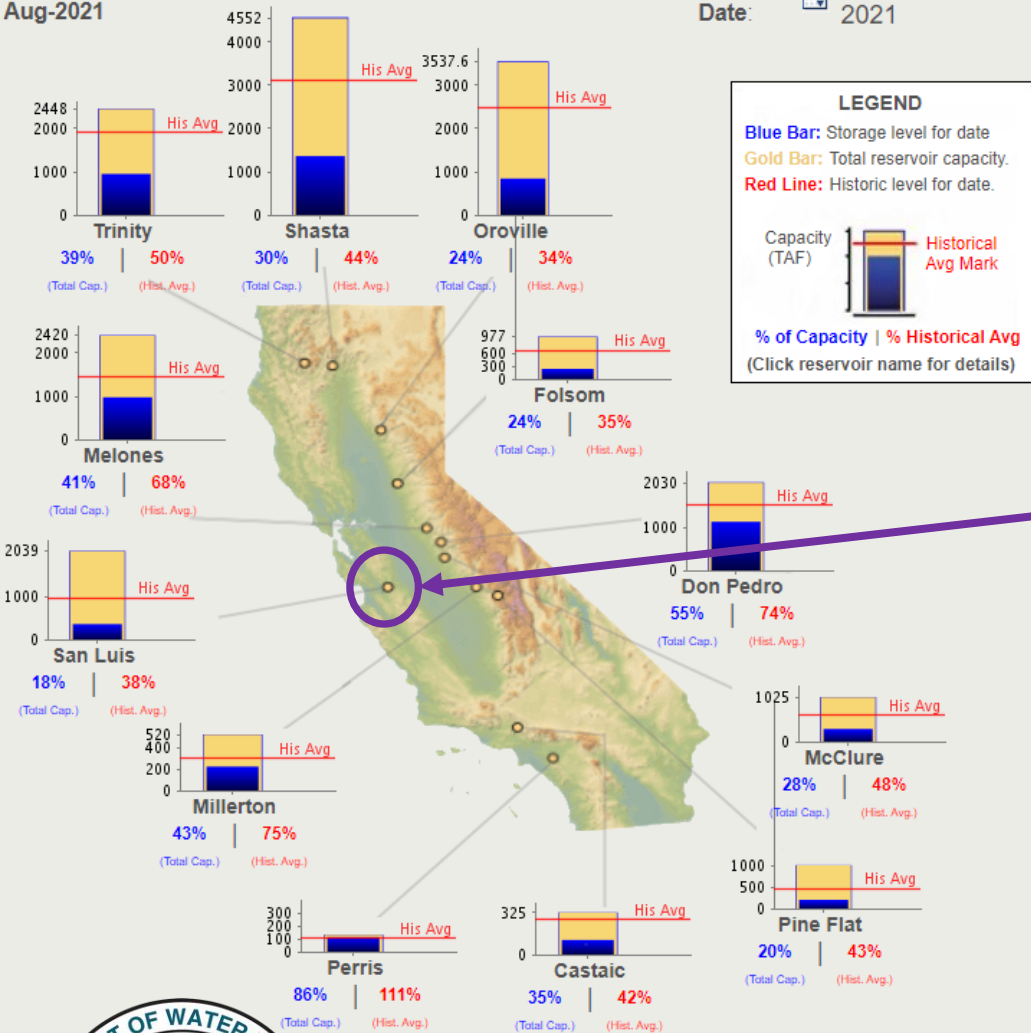


Reservoir Levels

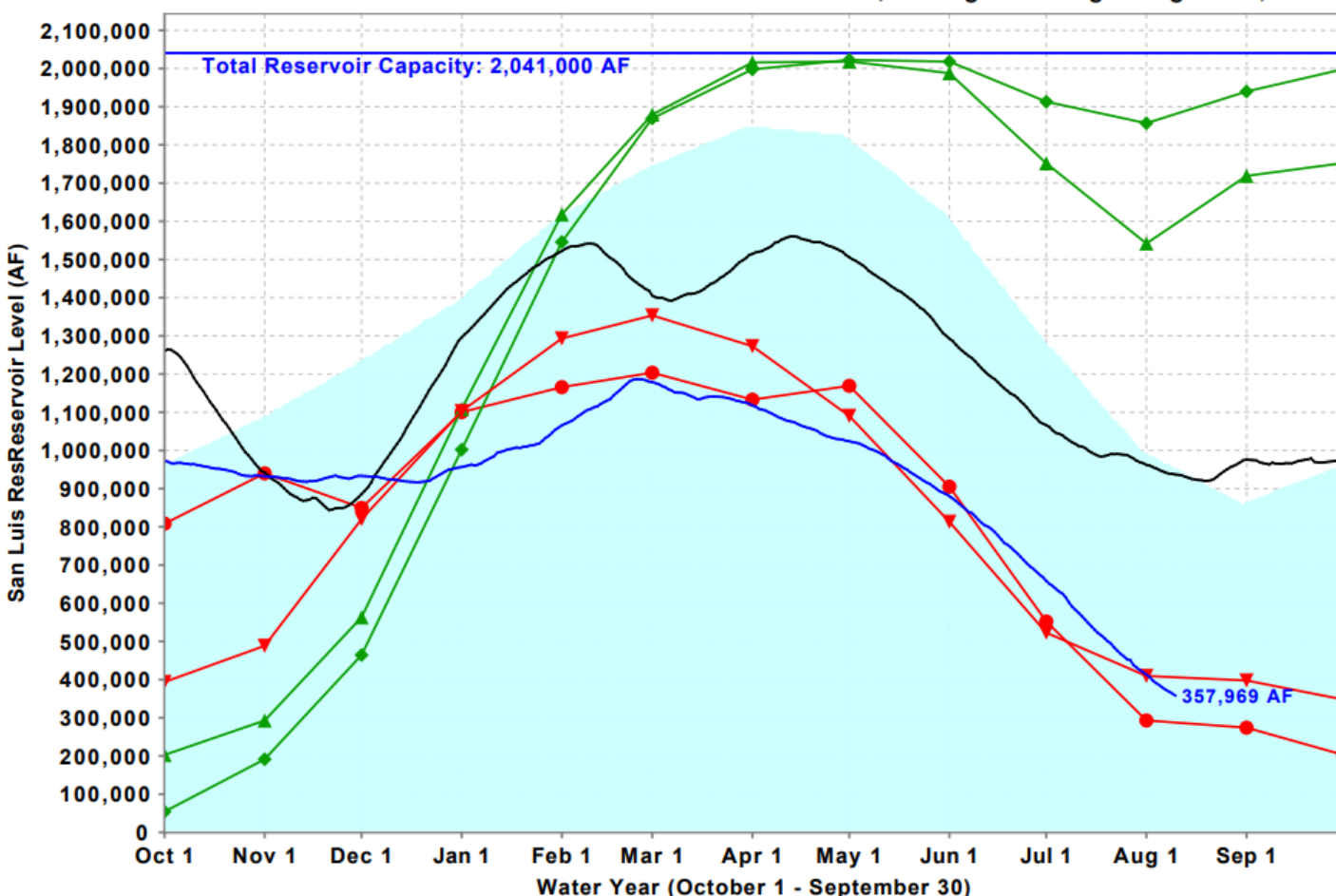
August 10, 2021

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San Luis Reservoir: Various Past Water Years and Current Water Year, Ending At Midnight August 10, 2021



■ Historical Average
 — Total Reservoir Capacity
 ● 1976-1977
 ▲ 1977-1978
 ◆ 1982-1983 (Wettest)
 — 2019-2020
▼ 2014-2015 (Driest)
— Current: 2020-2021



Reservoir Levels

August 10, 2021

Outstanding Water Owed	Volume
CLAWA	2,900
Ventura	2,575
Casitas	1,275
TOTAL	6,750



Water Debt (acre-feet)

Agency	Year	Allocation	Received	Debt	Returned	Balance	Due By
CLAWA	2010	50%	1,000	1,000	1,000	0	2020
CLAWA	2013	35%	2,000	1,300	0	1,300	2023
CLAWA	2016	60%	1,200	600	0	600	2026
CLAWA	2017	85%	2,000	1,000	0	1,000	2027
Ventura	2018	35%	3,500	1,400	0	1,400	2028
Casitas	2018	35%	1,750	700	0	700	2028
Ventura	2019	75%	1,350	675	0	675	2029
Casitas	2019	75%	650	325	0	325	2029
Ventura	2020	20%	2,000	500	0	500	2030
Casitas	2020	20%	1,000	250	0	250	2030
Ventura	2021	5%	500	0	NA	NA	NA



Water Debt (acre-feet)

Agency	Year	Allocation	Received	Debt	Returned	Balance	Due By
CLAWA	2010	50%	1,000	1,000	1,000	0	2020
CLAWA	2013	35%	2,000	1,300	0	1,300	2023
CLAWA	2016	60%	1,200	600	0	600	2026
CLAWA	2017	85%	2,000	1,000	0	1,000	2027
Ventura	2018	35%	3,500	1,400	0	1,400	2028
Casitas	2018	35%	1,750	700	0	700	2028
Ventura	2019	75%	1,350	675	0	675	2029
Casitas	2019	75%	650	325	0	325	2029
Ventura	2020	20%	2,000	500	0	500	2030
Casitas	2020	20%	1,000	250	0	250	2030
Ventura	2021	5%	500	0	NA	NA	NA

Imported less than available (11,250 AF)

Outstanding "Water Debt" = 6,750 AF

Water Debt (acre-feet)



Total Current Order: 12,920 AF



BCVWD

- 12,500 AF
 - 10,000 AF (*Demands*)
 - 2,500 AF (*Banking*)



YVWD

- 220 AF



City of Banning

- 200 AF

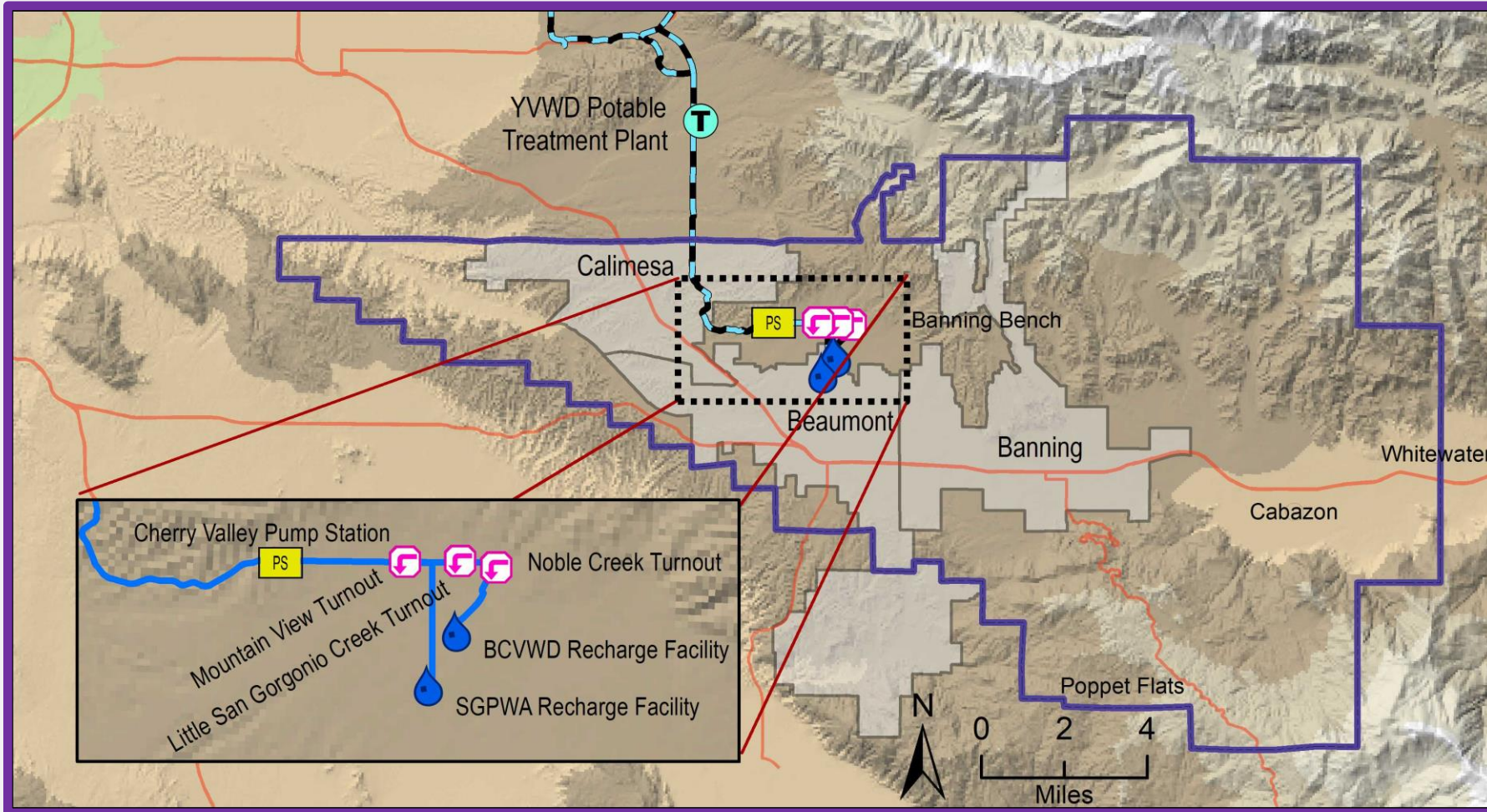


SGPWA

- TBD (Future Supply)



Water Order 2021



**Estimated
(not included in totals)*

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total
Recharge	(3)	479	735	511	(8)	0	0*						1736
Direct	0	0	0	0	0	0	0*						0



Local Deliveries 2021 (acre-feet)



Total Current Order: 12,920 AF



BCVWD

- 12,500 AF
 - 10,000 AF (Demands)
 - 2,500 AF (Banking)



YVWD

- 220 AF



City of Banning

- 200 AF



SGPWA

- TBD (Future Supply)
 - 508 AF In WM Account



Requests and Sources	Requests and Availability	Approximate Deliveries and Deficits
Nickel Water	1,700	1,700
Pass Table A	865	0
Carry-Over*	832	697
Ventura Table A	500	500
Yuba Water	260	260
Beaumont Storage	508	508
Expected Total		3,665
Deficit into 2022		(9,255)

* Keep 1,000 AF in San Luis Reservoir as Carry-Over



Water Order 2021 & Deliveries