

Basin Technical Advisory Committee

Meeting No. 125

AGENDA

Bear Valley Mutual
Water Company

City of Colton

East Valley Water District

City of Loma Linda

City of Redlands

City of Rialto

City of Riverside

San Bernardino County
Flood Control District

San Bernardino Municipal
Water Department

San Bernardino Valley
Municipal Water District

San Bernardino Valley
Water Conservation District

West Valley Water District

Western Municipal
Water District

Yucaipa Valley Water District

REGULAR MEETING OF THE BASIN TECHNICAL ADVISORY COMMITTEE MONDAY, FEBRUARY 5, 2024 – 1:30 P.M.

PUBLIC PARTICIPATION

Public participation is welcome and encouraged. You may participate in the February 5, 2024, meeting of the Basin Technical Advisory Committee **online** and by **telephone** as follows:

**San Bernardino Valley Municipal Water District
380 E. Vanderbilt Way San Bernardino, CA 92408
In-Person: Board Room**

Teleconference Information

**Dial-in Info: 877 853 5247 US Toll-free
Meeting ID: 864 6271 4600**

<https://sbvmwd.zoom.us/j/86462714600>

Passcode: 3802020

If you are unable to participate online or by telephone, you may also submit your comments and questions in writing for the Committee's consideration by sending them to comments@sbvmwd.com with the subject line "Public Comment Item #" (insert the agenda item number relevant to your comment) or "Public Comment Non-Agenda Item". Submit your written comments by 6:00 p.m. on Sunday, February 4, 2024. All public comments will be provided to the Chairman and may be read into the record or compiled as part of the record.

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San Bernardino, CA 92408
909.387.9200 ph
909.387.9247 fax
www.sbvmwd.com

Jennifer Ares, Chair

Cecilia Griego, Chair
Project Review Committee

Ryan Shaw, Chair
Engineering Subcommittee

Devin Arciniega, Chair
Conservation Subcommittee

Basin Technical Advisory Committee

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Yucaipa Valley
Water District

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San Bernardino Valley
Water Conservation District

City of Loma Linda

San Bernardino County
Flood Control District

West Valley Water District

AGENDA

February 5, 2024, 1:30 PM

- 1) Call to Order/Pledge of Allegiance/Introductions
- 2) Public Comment
- 3) Approval of Minutes
 - 3.a December 11, 2023 Regular Meeting - Page 3
[December 11, 2023 Regular Meeting](#)
- 4) Action Items & Discussions
 - 4.a Discuss the Format and Content of Water Resources Monthly Reporting - Page 9
[Memo - Discuss the Format and Content of Water Resources Monthly Reporting](#)
[State Water Project Update - November 2023](#)
[BTAC Monthly Statement - August 2022](#)
[East Valley Water Supply Update - November 2023](#)
[Orange County Water District Water Resources Report - December 2023](#)
 - 4.b 2024 Regional Water Management Priorities - Page 36
[Memo - 2024 Regional Water Management Priorities](#)
- 5) Quick Updates & Presentations
 - 5.a Santa Ana River (SAR) Water Rights Permits and SAR Diversions - Page 37
[Memo - Santa Ana River \(SAR\) Water Rights Permits and SAR Diversions](#)
 - 5.b Groundwater Management Update - Page 39
[Memo - Groundwater Management Update](#)

Jennifer Ares, Chair

Cecilia Griego, Chair
Project Review Committee

Ryan Shaw, Chair
Engineering Subcommittee

Devin Arciniega, Chair
Conservation Subcommittee

5.c San Bernardino Basin Groundwater Recharge Update (Water Conservation District)

5.d Water Conservation Subcommittee Report - Page 43
[Water Conservation Subcommittee Report](#)

6) Other Business and Future Agenda Items

7) Adjourn

**MINUTES
OF
THE
BASIN TECHNICAL ADVISORY COMMITTEE**

MEETING NO. 124

December 11, 2023

Attendees:

Tom Crowley, City of Rialto

George Hanson, Bear Valley Mutual Water Company

Sam Fuller, Bear Valley Mutal Water Company

Mallory O'Connor (Gandara), Western Municipal Water District

Ryan Shaw, Western Municipal Water District

Joshua Aguilar, Western Municipal Water District

Farid I. Boushaki, Riverside Public Utilities

Drew Faherty, Riverside Public Utilities

John Harris, City of Redlands

Paul Mariscal, City of Redlands

Betsy Miller, San Bernardino Valley Water Conservation District

Melody McDonald, San Bernardino Valley Water Conservation District

June Hayes, San Bernardino Valley Municipal Water District

Gil Botello, San Bernardino Valley Municipal Water District

Susan Longville, San Bernardino Valley Municipal Water District

T. Milford Harrison, San Bernardino Valley Municipal Water District

Heather Dyer, San Bernardino Valley Municipal Water District

Wen Huang, San Bernardino Valley Municipal Water District

Jose Macedo, San Bernardino Valley Municipal Water District

Cindy Saks, San Bernardino Valley Municipal Water District

Adekunle Ojo, San Bernardino Valley Municipal Water District

Melissa Zoba, San Bernardino Valley Municipal Water District

Leo Ferrando, San Bernardino Valley Municipal Water District

Matthew Olivo, San Bernardino Valley Municipal Water District

Michael Plinski, San Bernardino Valley Municipal Water District

Greg Woodside, San Bernardino Valley Municipal Water District
Sayer Pinto, San Bernardino Valley Municipal Water District
Miguel Guerrero, San Bernardino Municipal Water Department
Steve Miller, City of San Bernardino Water Department
Warren Huang, City of San Bernardino Water Department
Michael Moore, East Valley Water District
Linda Jadeski, West Valley Water District
John Thiel, West Valley Water District
Joseph Zoba, Yucaipa Valley Water District
Jennifer Ares, Yucaipa Valley Water District
Cecilia Griego, City of Colton
Cris Fealy, Fontana Water Company
Josh Swift, Fontana Water Company
Toyasha Sebbag, City of Rialto
Don Lee, Tetra Tech
Jarb Thaipejr, City of Loma Linda
Kurt Mayo, City of Loma Linda
Russ Handy, City of Loma Linda
Jesus Gastelum, Elsinore Valley Municipal Water District

Agenda Item 1. Call to Order/Pledge of Allegiance/Introductions

The meeting of the Basin Technical Advisory Committee was called to order by Chair Thomas Crowley, at 1:31 p.m. via Zoom and SBVMWD Board Room.

Agenda Item 2. Public Comment.

Agenda Item 3. Approval of Minutes.

A. Approval of the August 7, 2023 Regular Meeting.

Michael Plinski made a motion to approve the minutes, the motion was seconded by George Hanson. The summary minutes were approved with no comments.

Agenda Item 4. Presentations and Discussion Items

A. Recognition of Tom Crowley for Years of BTAC Leadership

Michael Plinski of San Bernardino Valley Municipal Water District recognized Tom Crowley for his work as the City of Rialto Utility Manager for the past seven years, as well as serving as Chair of BTAC since its inception 15 years ago. Key highlights included Mr. Crowley graduating from Cal Poly Pomona with a degree in civil engineering and joining Caltrans shortly after. At Caltrans, he worked in several departments where he was involved with the creation of the first overpasses connecting the 91 freeway and Interstate 15. He also was involved in the extension of Interstate 15 from the 91 freeway to the 60 freeway. Most notably, Mr. Crowley met his wife of 36 years at Caltrans. He has been involved in his community via multiple organizations such as his church, Boy Scouts, and Redlands AYSO soccer, which speaks to his character and work ethic.

Mr. Crowley earned his PE in 1989, subsequently working for private construction companies and then transitioning to engineering consulting. In early 2000, he joined the San Bernardino Valley Water Conservation District where he worked for the next 6 years. He transitioned to West Valley Water District, where he grew through the ranks and became the General Manager for 10 years. He then transitioned to the City of Rialto, where he served for 7 years. After 40 years of service, Mr. Crowley will be retiring later this month. He plans on spending time with his family and traveling with his wife to complete their goal of visiting all 50 states.

Mr. Crowley thanked those who helped him when he began his career and those who were mentors throughout his service.

B. Selection of BTAC Chair and Vice Chair, and Project Review Subcommittee Chair

Tom Crowley recommended Jennifer Ares to be the next BTAC Chair and nominated her. Betsy Miller made the motion to have Jennifer Ares be the next BTAC Chair, Heather Dyer seconded the motion. The motion was approved.

Adekunle Ojo recommended Linda Jadeski for Vice Chair. No other nominations were presented. Michael Plinski motioned to approve, and Jarb Thaipejr seconded the motion. The motion was approved.

Michael Plinski nominated Cecilia Griego as Chair of the Project Review Subcommittee. George Hanson made the motion to approve, Adekunle Ojo seconded the motion. The motion was approved.

C. Proposed 2024 Meeting Schedule

Adekunle Ojo presented the proposed 2024 BTAC meeting schedule, which would be quarterly as follows: February 5, 2024, June 3, 2024, August 5, 2024, and December 9, 2024. It was recommended to hold the meetings on those days at 1:30 p.m. Special

meetings would be held if needed. Sam Fuller motioned to approve and Jennifer Ares seconded the motion. The motion was approved.

D. Consider the 2024 BTAC Regional Water Management Plan

Adekunle Ojo presented the 2024 Regional Water Management Plan (RWMP). The goal of the RWMP is to evaluate the three general water management goals based on the Integrated Plan and the underlying agreements and judgements as follows: manage water levels, manage Santa Ana River Diversions, and manage contaminant plumes. Mr. Ojo presented the Water Resources and Forecast data as of December 2023, which will be presented again at the June BTAC Meeting with updated data. The water management plan included the following recommendations for the Santa Ana River Diversions: Cover direct delivery to treatment facilities, meet recharge orders, and have enough carryover into 2025. As conditions change in 2024, the data will be updated accordingly. He also presented Artificial Recharge Targets of local and imported water.

In summary, the San Bernardino Basin water levels are low enough to maintain a robust artificial recharge program. In the Colton and Riverside Basin Area, index wells are above Judgment threshold and long-term solutions are being considered. The Rialto- Colton Basin needs recharge but the facilities are not yet operational. The Yucaipa Basin is stable and SWP will be utilized to meet direct delivery and recharge needs. For SWP, direct deliveries will be prioritized, recharge will be maximized, and we will plan for a carryover in 2025.

The recommendation was to provide input and approve the submission of the 2024 BTAC Regional Water Management Plan to the Boards of Directors of Western Municipal Water District and San Bernardino Municipal Valley Water District. There was a motion to approve by John Harris, second by Joseph Zoba. The recommendation was approved.

Agenda Item 5. Quick Updates, Reminders, and Announcements

A. San Bernardino Valley Water Conservation District Activity Report

Betsy Miller, General Manager of the San Bernardino Valley Water Conservation District provided an update on the Santa Ana River Spreading Grounds. As of past Friday, there were 85,302 acre feet of recharge thus far in 2023. She referenced ongoing projects by SB Valley and how those will positively affect recharging water in the region. The Mill Creek Diversion Replacement project is scheduled to be completed on Thursday. The goals of this project were to maintain water diversion during high flow events, limit impacts to diversion from debris, and decrease maintenance costs due to sediment accumulation. Project will be complete on time and within budget.

B. Seven Oaks Dam Update

Michael Moore, General Manager of East Valley Water District provided an update on the OCPWD Seven Oaks Dam Coordination. Michael Moore presented the 2023 SOD Release Rates to Santa Ana River and discussed the goal of flattening the trend out ahead of the storms. The high variability in flow and quality impacts local water districts. Meetings with Orange County Public Works department have been taking place to plan and see if the flow can be steadied to assist with the downstream water diversion. Flows have already been reduced, but further coordination is needed over the next year.

Michael Plinski of SB Valley asked if there has been a commitment from OC Public Works to reduce flow. Michael Moore replied that there has been no commitment of percentage, but there has been a commitment to increased communication and coordination.

C. Enhanced Recharge Phase 1B Construction Progress

Leo Ferrando of the SB Valley provided an update on the Enhanced Recharge Phase 1B Construction, which will expand on existing recharge facilities that recharge water into the Bunker Hill Basin from the Santa Ana River diverted flows. Inspection and construction management is being managed by in-house staff. Leo Ferrando presented a satellite image of progress. The “B” Basins South will be ready for recharge in around February 2024. It is projected that the “A” Basins and new channel would be completed in December 2024. The project is 8 months ahead of schedule. Leo Ferrando recognized Mike Esquer, Aaron Jones, and Brent Adair for their efforts. There was a question regarding work starting on “A” basins. Leo Ferrando said work started last week on these basins.

D. Regional Recycled Water Projects - Bunker Hill-B Coalition, Regional Pipeline, and Weaver Basins

Leo Ferrando explained the Regional Recycled Water System is comprised of the regional recycled water pipeline which conveys recycled water out of the recently completed Sterling facility (by East Valley Water District) and the Weaver Basins. Construction has been going on for the last couple of years and it is 99% completed. Weaver Basins fence installation and security system work is underway. The Bunker Hill regional Recycled Water Salinity Management Feasibility Study is underway since November 2023 in partnership with East Valley Water District, the City of San Bernardino, and the City of Redlands. An MOU was created earlier in 2023 and amended recently. Leo Ferrando explained alternatives are being evaluated to mitigate the salt loading from the recharge of recycled water. The feasibility study will be completed by April 2025. By June 2025, the findings will be conveyed to the Regional Water Quality Control Board. The Salt Mitigation Plan would be submitted to the RWQCB by December 2025.

E. 2023 Imported Water Review and Preliminary Planning for 2024

Michael Plinski of SB Valley presented data on direct deliveries and recharge data. Estimated that by the end of 2023, 55,400-acre feet of imported water will be brought into SB VALLEY’s service area. California Department of Water Resources (DWR) limits carryover to 50% of a State Water Contracts Table ‘A’ allocation, which means 51,300 will carry over to 2024. Estimated total recharge for 2023 will be around 36,000 acre-feet. Michael Plinski summarized that SB Valley’s ability to maximize SWP deliveries was limited by a late start in 2023, a focus on recharging surface water due to a wet year, limitations within DWR facilities, and construction activities at Santa Ana River Spreading Grounds. He also noted that some of the retail water agencies did not take all of the SWP they ordered.

He also thanked those who already placed 2024 orders already. Initial estimate for 2024 direct deliveries is 22,000, and 45,000 for recharge. This would bring estimated total deliveries to 67,000. For the 2024 plan, all direct delivery orders can be met, along with

most of the recharge orders. SB Valley will host a meeting with the Retail Water Agencies in early January 2024 to begin the planning effort for 2024 SWP deliveries.

There was a question regarding the carryover and if it needs to be taken out first in order 2024 water can be put in 'on paper'. Mr. Plinski explained that as 2024 flows come in, the first water that spills is last year's carryover. If it is a wet year, it would be likely that the allocation would go up. Overall, the planning numbers will still be in the presented range.

There was a question from Jarb Thaipejr of City of Loma Linda regarding planning for the budget for next fiscal year. Michael Plinski stated he would follow up to discuss with the agency.

Agenda Item 6. Other Business and Future Agenda Items.

Agenda Item 7. Adjourn – Next Regular Meeting will take place February 5, 2024 @ 1:30 p.m.

There being no further business, Chair Crowley adjourned the meeting at 2:37 PM.

APPROVAL CERTIFICATION I hereby certify to approval of the foregoing Minutes of the Groundwater Council. Secretary Date _____
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Respectfully submitted,

Jose Macedo
SBVMWD Chief of Staff/
Clerk of the Board



DATE: February 5, 2024

TO: Basin Technical Advisory Committee (BTAC)

FROM: Adekunle Ojo, Manager of Water Resources
Michael Plinski, Chief of Water Resources

SUBJECT: Discuss the Format and Content of Water Resources Monthly Reporting

Recommendation

Discuss and provide input on the format and content of monthly Water Resources Reporting by San Bernardino Valley

Summary

Water Resources Staff recently reviewed monthly water resources reporting practices by San Bernardino Valley and have identified opportunities to streamline and consolidate the existing State Water Project Update and the BTAC Monthly Statement. Based on the feedback received today, staff will incorporate it into future reports, whether to consolidated or not. Alternatively, the two reports can be replaced with monthly updates to the [Groundwater Dashboard](#).

CURRENT	PROPOSED – no more than 10 pages
<p>Water Delivery Report (Monthly): 4 pages</p> <ul style="list-style-type: none"> i. Summary Page ii. SWP Recharge Deliveries iii. Direct Deliveries iv. Other Measurement 	<p>No Change</p>
<p>State Water Project Update (Monthly): 6 pages</p> <ul style="list-style-type: none"> i. Summary ii. Current Reservoir Conditions iii. Direct Deliveries v. Recharge Deliveries 	<p>Summary Page and Key Indicators (Feedback Needed)</p> <p>State Water Project</p> <ul style="list-style-type: none"> i. Summary and Current Conditions ii. Direct Deliveries

CURRENT	PROPOSED – no more than 10 pages
<p>BTAC Monthly Statement (last published in August 2022): 4 to 8 Pages</p> <ul style="list-style-type: none"> i. Monthly Three Station Precipitation Index ii. Santa Ana River Diversions iii. State Water Supply Portfolio iv. State Water Supply Portfolio Balance v. Artificial Recharge Balance vi. Liquefaction Potential 	<ul style="list-style-type: none"> iii. Recharge Deliveries <p>Local Surface Water</p> <ul style="list-style-type: none"> i. Three Station Precipitation Index ii. Santa Ana River Diversions iii. ?? (Feedback Needed) <p>Groundwater Conditions and Other Indicators</p> <ul style="list-style-type: none"> i. Artificial Recharge Balance ii. Feedback Needed iii. Liquefaction Potential

The proposed format that consolidates both local and imported water resources would provide users the data that is currently available in three (3) different reports and potentially minimize the effort needed by retail agencies to provide water supply updates to their respective governing bodies and other audiences. With the proposed format, retail agencies can utilize the consolidated report or remove pages they consider irrelevant in their agenda packets or presentations while the region benefits from consistent monthly reports being used by all agencies.

Background

Each month, San Bernardino Valley prepare a Water Delivery Report that is presented to the Board of Directors during the second regular Board meeting; the report focuses on imported water supplies and deliveries as well as groundwater and local surface water moved through regional conveyance facilities. Since mid-2023, San Bernardino Valley has also compiled a State Water Project Update that is sent to retail agencies each month. Until late 2022, San Bernardino Valley also prepared a BTAC Monthly Statement to track the recommendations in the Annual Regional Water Management Plan.

Attachments

- Water Delivery Report Example
- State Water Project Update Example
- BTAC Monthly Statement (August 2022)
- Water Supply Update (East Valley Example)
- Water Resources Report (Orange County Water District Example)

San Bernardino Valley Municipal Water District
State Water Project Update – December 2023

SWP SUMMARY for November 2023

DWR's Water Supply Reservoirs. **Figure 1** shows current reservoir conditions of DWR's major water supply reservoirs.

Lake Oroville. As of December 4, 2023, Lake Oroville was 66% full, with just over 2.3 million AF in storage. The lake currently has 32% more water than its historical average for this time of year. **Figure 2** shows more details related to Lake Oroville.

San Luis Reservoir. As of December 4, 2023, San Luis Reservoir was 56% full, with just over 1.1 million AF in storage. The reservoir currently has 6% more water than its historical average for this time of year. **Figure 3** shows more details related to San Luis Reservoir.

DWR's Pearblossom Pump Station. This month, SBV's allocated capacity within DWR's Pearblossom Pump Station varied from roughly 125 cfs to 138 cfs. SBV's entitled capacity within this reach is up to 125 cfs.

SBV's Direct Deliveries. **Table 1** shows the summary of Direct Deliveries. Through November, about 69% or 17,400 acre-ft of the Direct Deliveries have been delivered. **Anything your agency can do to meet or exceed its order and shift off groundwater is beneficial to the long-term health of local groundwater basins.** If your agency projects less Direct Deliveries than originally ordered, please let us know.

SBV's Recharge Deliveries. **Table 2** shows the summary of Recharge Deliveries. Through November, about 82% or 33,000 acre-ft of the Recharge target has been delivered. SBV staff has been working diligently to recharge as much water as possible; however, there have been several constraints limiting recharge activities.

Discussion. This year, the emphasis is to take as much SWP as possible each month, given the flow constraints at Pearblossom Pump Station and local conditions.

DWR announced that the initial Table 'A' allocation for 2024 is 10%. Including SBV's Carryover from 2023, we anticipate having at least 67,500 acre-ft of SWP available in 2024. Therefore, SBV will have sufficient SWP to meet our local needs – both for Direct Delivery orders and likely Recharge orders. SBV will be hosting the **2024 SWP Coordination and Planning Meeting** with all the retail agencies on January 11, 2024.

Thank-you everyone who submitted your preliminary SWP orders for 2024. The initial orders provided will be discussed at our 2024 SWP Coordination and Planning Meeting.

SBV hopes this update is informative. We're available to answer any questions, and we look forward to continued collaboration.

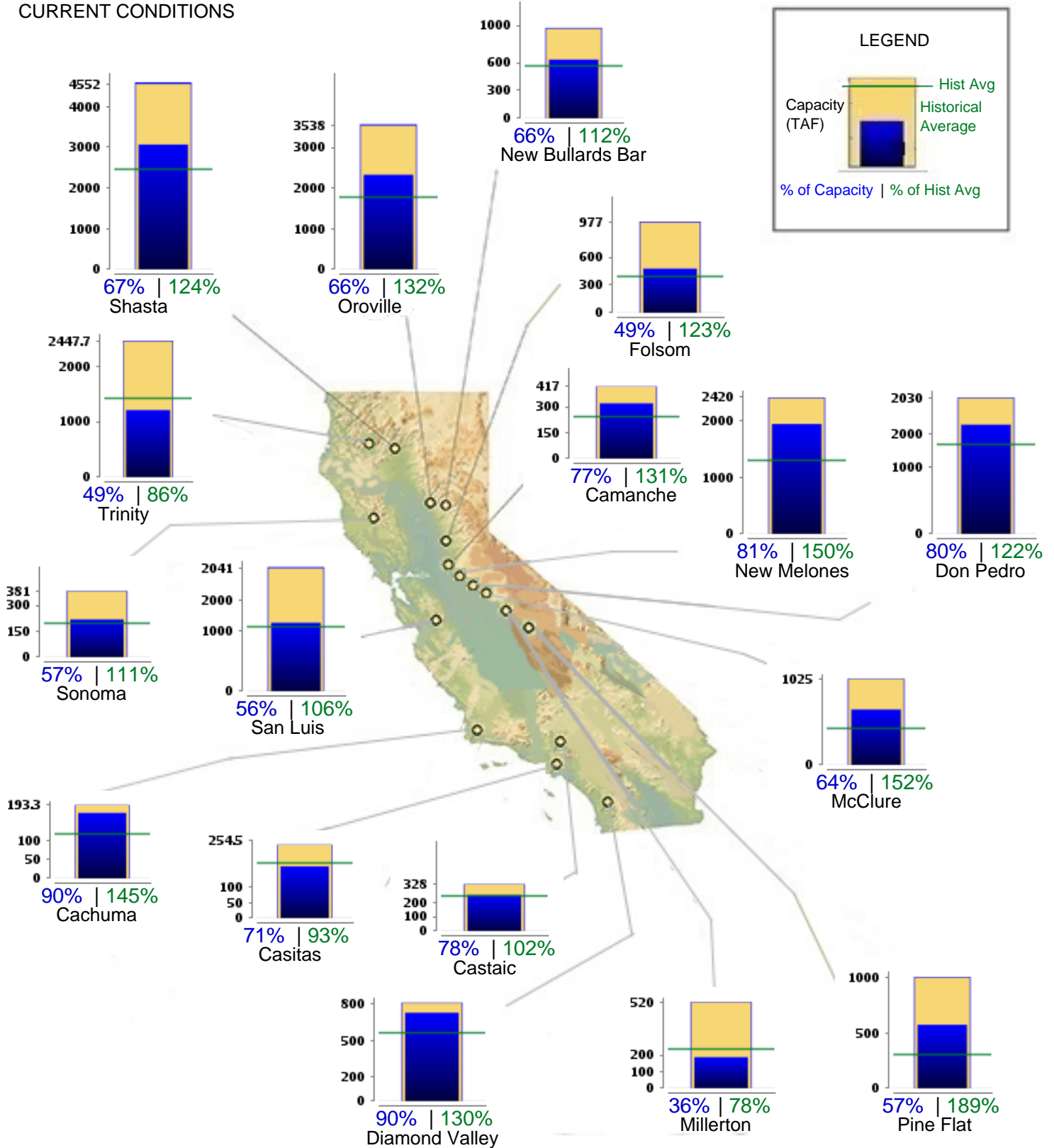


CURRENT RESERVOIR CONDITIONS

CALIFORNIA MAJOR WATER SUPPLY RESERVOIRS

Midnight - December 3, 2023

CURRENT CONDITIONS



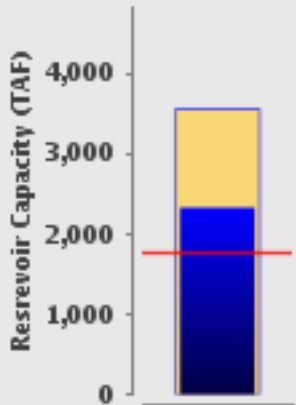


CURRENT RESERVOIR CONDITIONS



Lake Oroville Conditions

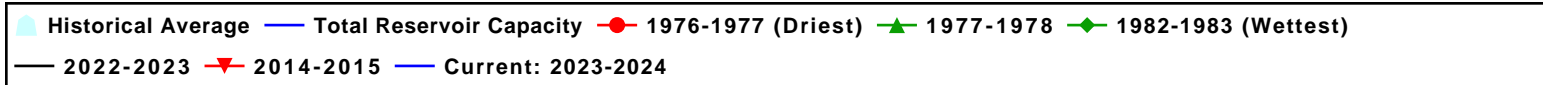
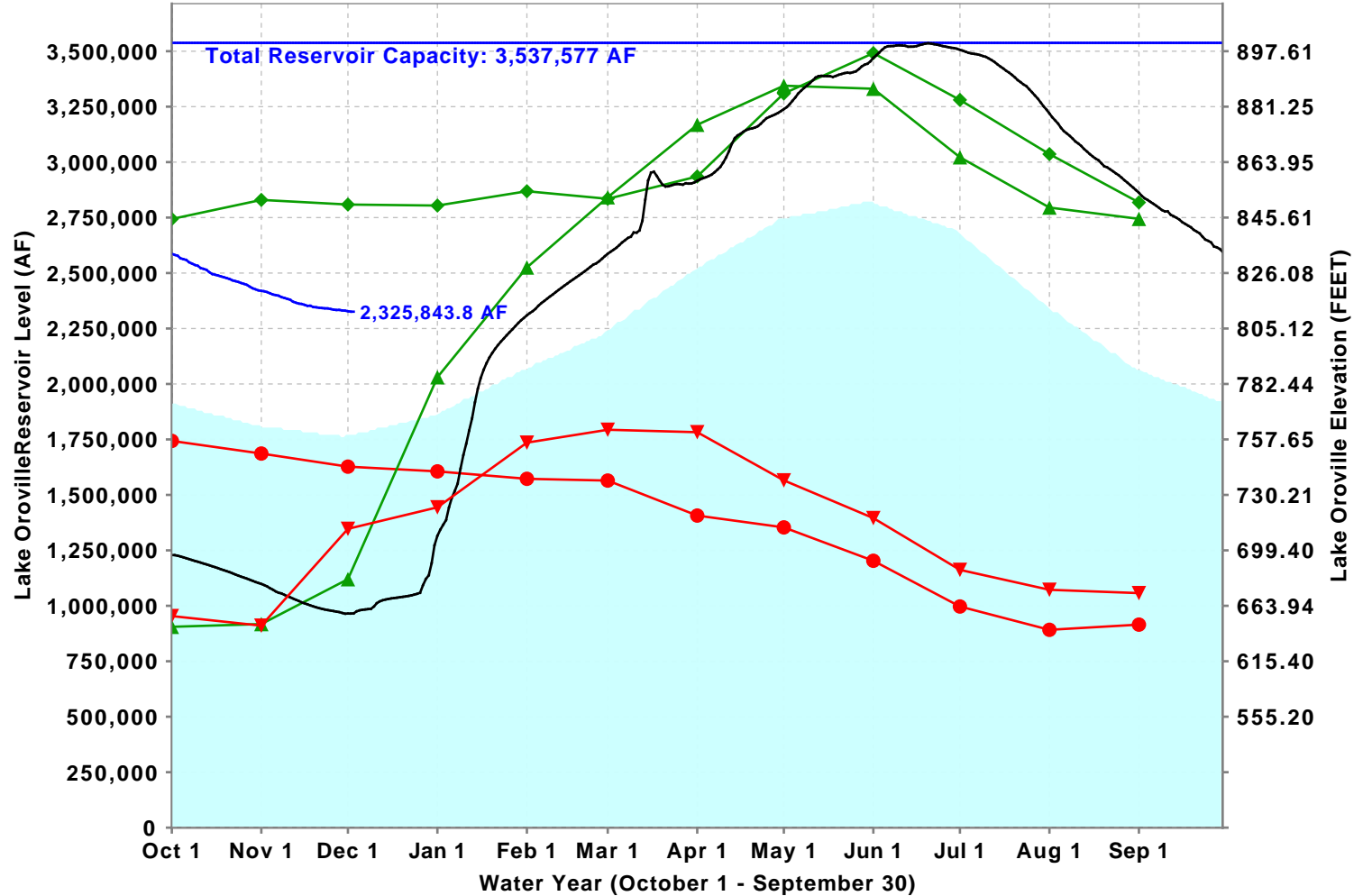
(as of Midnight - December 3, 2023)



Current Level: 2,325,843.8 AF

66% (Total Capacity) | 132% (Historical Avg.)

Lake Oroville Levels: Various Past Water Years and Current Water Year, Ending At Midnight December 3, 2023

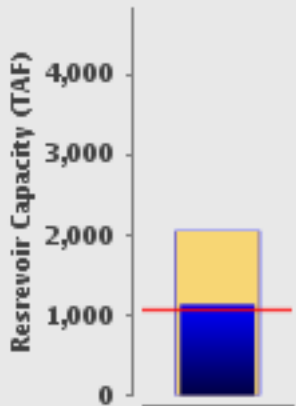




CURRENT RESERVOIR CONDITONS



San Luis Res Conditions (as of Midnight - December 3, 2023)



Current Level: 1,135,536 AF

56% (Total Capacity) | 106% (Historical Avg.)

San Luis Res Levels: Various Past Water Years and Current Water Year, Ending At Midnight December 3, 2023

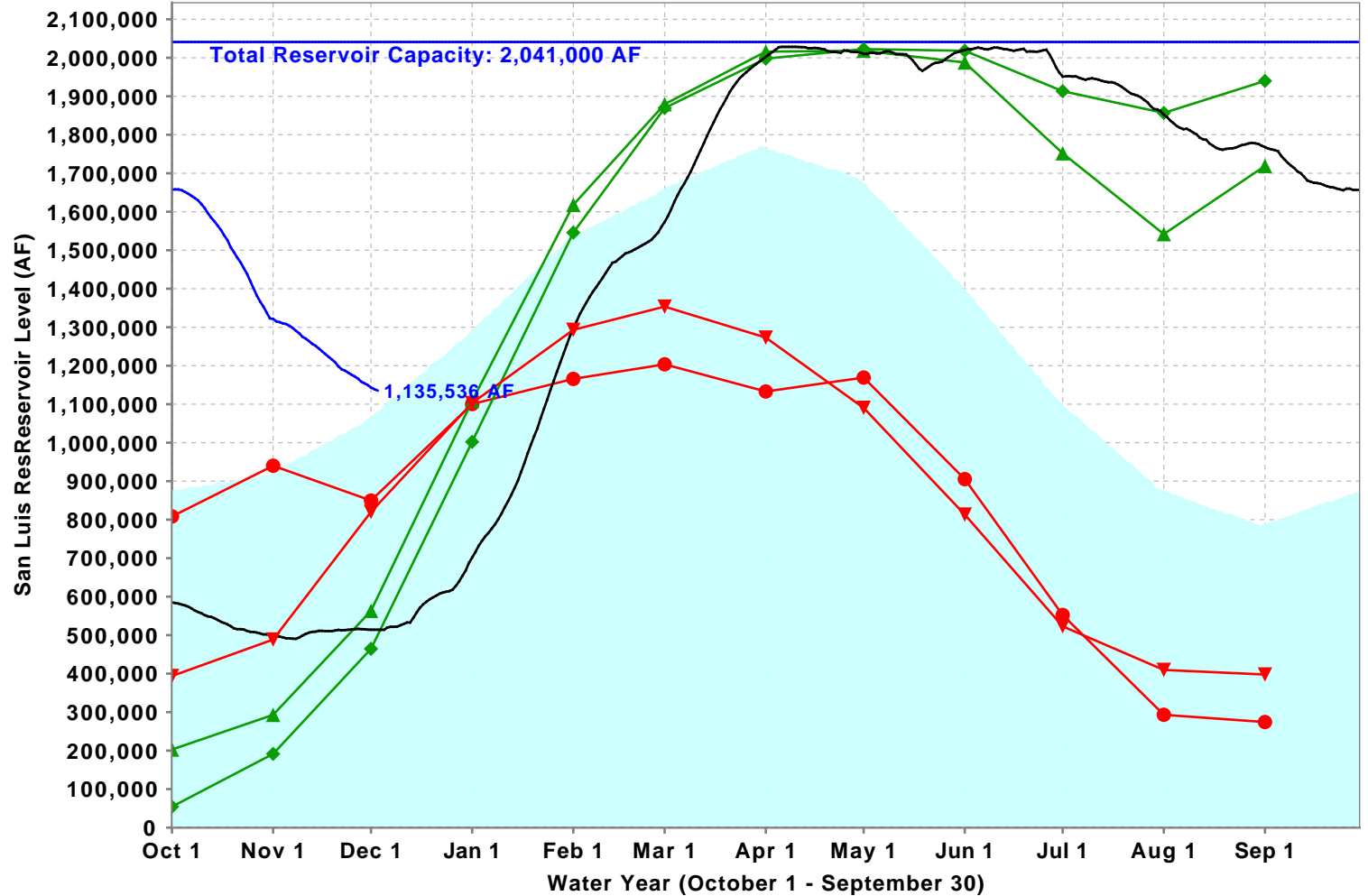


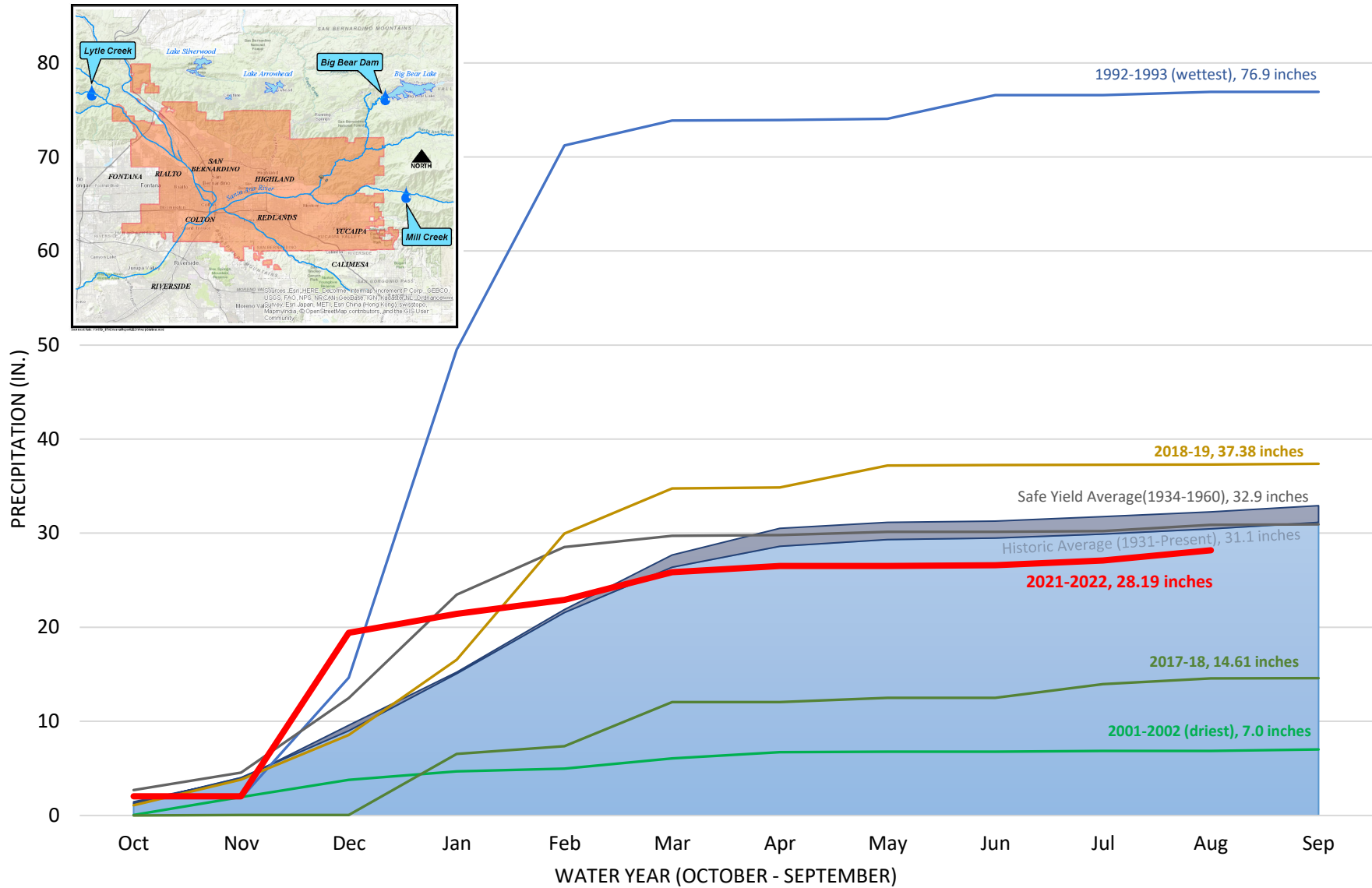
Table 1 - Direct Deliveries

Direct Deliveries	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Orders	Remaining	% Remaining
BVMWC	0	19	9	103	215	290	184	119	356	333	313		1,940	2,000	60	3%
CLAWA Sale (07-025)	0	0	0	0	0	0	0	0	0	0	0		0	0	0	100%
EVWD	189	172	124	184	57	0	139	515	504	385	330		2,600	5,060	2,461	49%
Fontana (incl. Cemex)	0	0	275	287	463	376	343	391	374	383	375		3,267	3,650	383	10%
Greenspot Mutual	0	0	0	0	5	0	0	0	0	0	0		5	50	45	90%
Marygold Mutual	0	0	0	0	0	0	0	300	119	0	0		419	390	(29)	-7%
Redlands	0	0	0	0	0	0	0	287	565	146	0		998	1,000	3	0%
SB County - Glen Helen	0	0	0	0	0	0	0	0	0	0	0		0	50	50	100%
SBV - Enhanced Recharge Construction	0	0	0	0	0	0	0	0	0	0	0		0	100	100	100%
WVWD	6	8	14	19	351	454	708	98	266	106	0		2,029	4,200	2,171	52%
Yucaipa Regional Park	0	0	0	18	64	10	35	11	11	26	0		174	150	(24)	-16%
YVWD/WHWC	41	349	424	458	513	586	739	863	706	668	580		5,928	8,350	2,422	29%
Total Direct Deliveries (AF)	237	547	846	1,070	1,668	1,715	2,148	2,584	2,900	2,047	1,597	0	17,359	25,000	7,641	31%

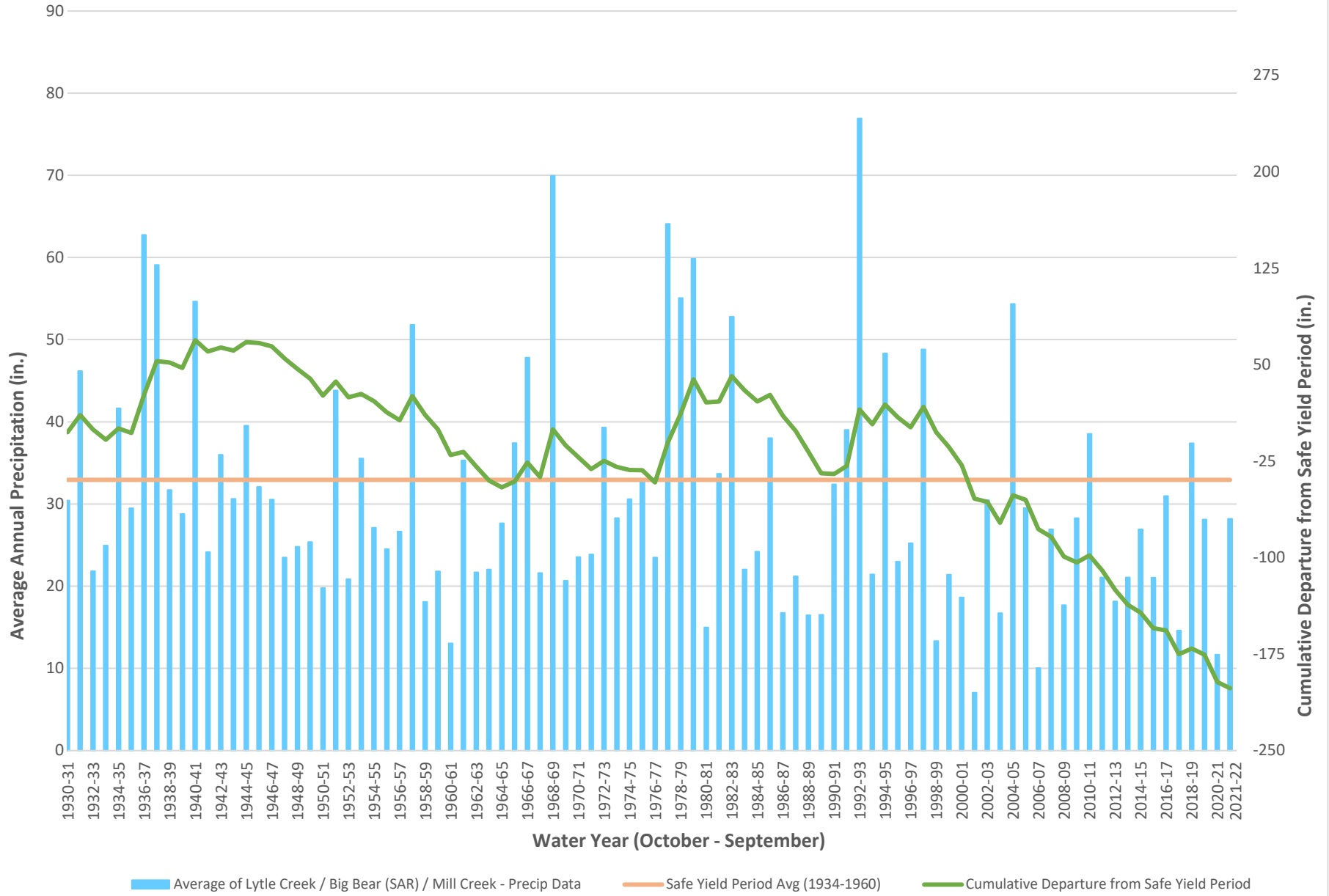
Table 2 - Recharge Deliveries

SBBA Recharge	Turn-Out Capacity (cfs)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Target	Remaining	% Remaining
Badger Basins	5	0	0	0	0	0	0	346	95	0	0	0		442	1,000	558	56%
City Creek	3	0	0	0	0	0	0	141	537	0	0	0		678	1,000	322	32%
Mill Creek Spreading	15	0	0	539	348	0	0	373	714	1,163	2,081	1,946		7,164	5,000	(2,164)	-43%
Patton Basins	5	0	0	0	0	0	0	0	0	0	0	0		0	0	0	-
Plunge Creek Spreading	3	0	0	0	136	60	50	121	0	0	0	0		367	1,000	633	63%
Santa Ana Low & SARC	95	0	0	109	191	7	0	48	119	1,708	997	2,510		5,687	11,000	5,313	48%
Sweetwater	8	0	0	0	332	430	467	589	573	397	14	362		3,163	3,000	(163)	-5%
Waterman / East Twin Creek Basins	40	0	0	0	16	965	2,849	2,891	1,955	1,163	48	509		10,395	11,000	605	5%
SBBA Recharge Sub-Total (AF)	174	0	0	648	1,023	1,462	3,366	4,510	3,992	4,430	3,140	5,326	0	27,896	33,000	5,104	15%
Yucaipa Recharge																	
Oak Glen Basins	3	0	0	0	0	0	0	186	0	0	0	0		186	1,500	1,314	88%
Wilson Creek Basins	15	0	0	348	604	546	782	764	701	487	501	148		4,879	5,500	621	11%
Yucaipa Recharge Sub-Total (AF)	18	0	0	348	604	546	782	950	701	487	501	148	0	5,065	7,000	1,935	28%
Total Recharge Deliveries (AF)	192	0	0	995	1,627	2,008	4,149	5,460	4,693	4,916	3,641	5,474	0	32,961	40,000	7,039	18%

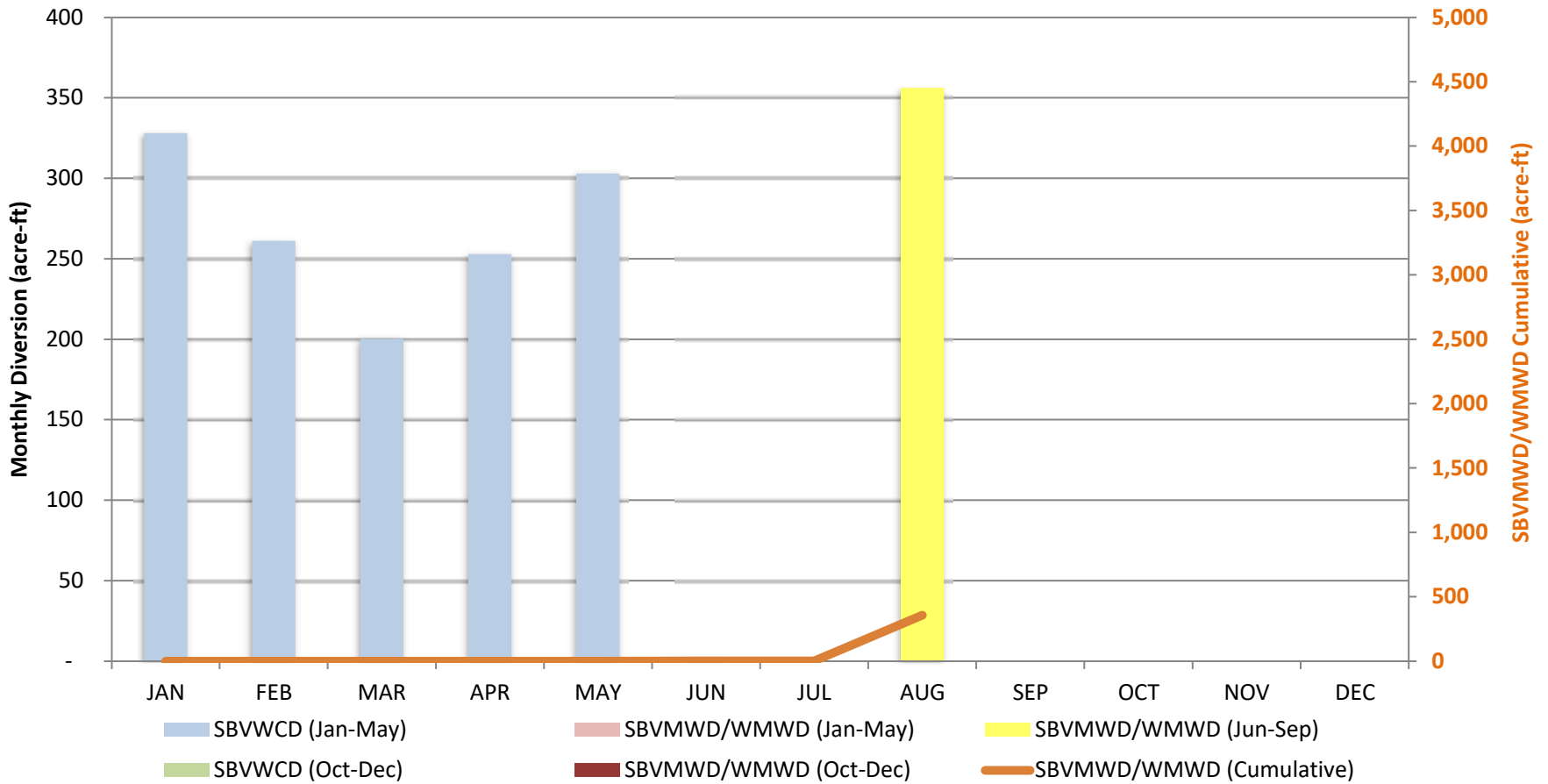
SBB THREE STATION PRECIPITATION INDEX - MONTHLY



SBB THREE STATION PRECIPITATION INDEX



2022 SANTA ANA RIVER DIVERSIONS - PARSHALL FLUME



Historical Santa Ana River Diversions by SBVMWD and WMWD
 January 2010 - August 2022: **92,040 acre-feet**

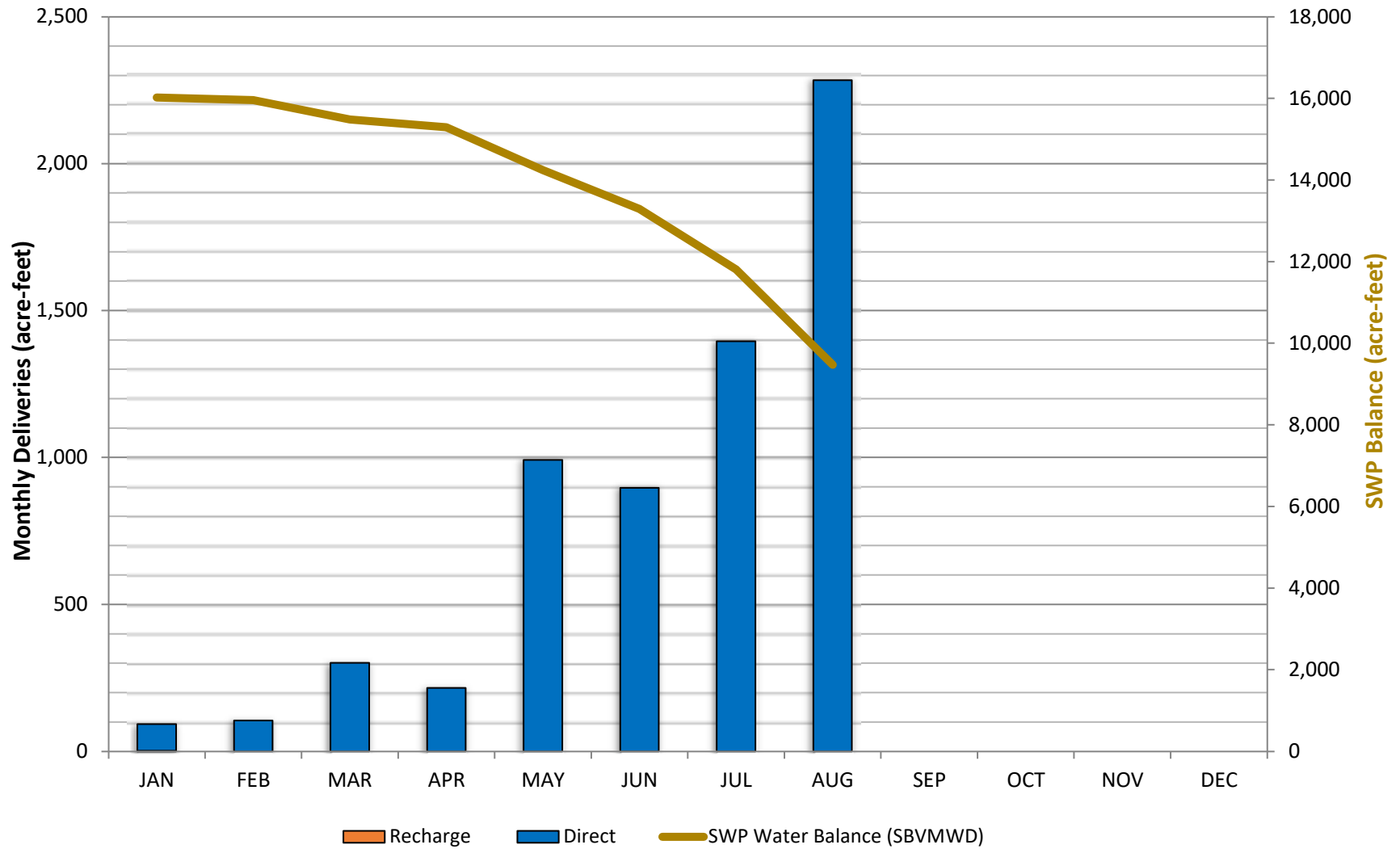
2022 Regional Water Management Plan

August

SWP WATER SUPPLY PORTFOLIO

	Jan 2022 to Dec 2022	Through August
SWP Water Portfolio for 2022:	-	
Available:	-	
Carryover from 2021	5,950	
Entitlement for 2022 (5%)	5,130	
Kern - Delta Water Bank (5,000 af/yr maximum)	5,000	
Multi-year Demo	-	
Big Bear Lake (Stored)	-	
Big Bear Lake (Delivered)	-	
Yuba Accord	-	
Purchase Additional SWP Water	-	
TOTAL SUPPLIES	16,080	-
Demands:		-
Direct Deliveries		6,279
Recommended uses for State Water Project Water in 2022:		-
Short-term (carryover) storage for direct deliveries		-
Artificial Recharge		2
Facility Storage		323
Long-term storage/banking		-
Sale to MWDSC		-
Sale to Crestline-Lake Arrowhead Water Agency		-
Exchange to Crestline-Lake Arrowhead Water Agency		-
True up with DWR meters		-
TOTAL USE		6,604
2022 SWP BALANCE		9,476

2022 SWP WATER SUPPLY PORTFOLIO BALANCE



2022 Regional Water Management Plan

August

ARTIFICIAL RECHARGE BALANCE

	Artificial Recharge ²	August			
	Jan 2022 - Dec 2022	Local ³	SWP	Total	%
San Bernardino Basin¹	(Suggested Max)				
1. Waterman Basins & 9. East Twin Creek Spreading Basin	135,413	-	-	-	0%
2. Santa Ana Basins	176,625	6,585	-	6,585	4%
3. Mill Creek Basins	105,975	1,336	-	1,336	1%
4. City of Redlands Spreading Basins	-	-	-	-	
5. Bear Valley Spreading Basin	-	-	-	-	
6. Santa Ana River Bottom	-	-	-	-	
7. Patton Basin	-	-	-	-	
8. EVWD Turnout	-	-	-	-	
10. Badger Basins	20,606	-	-	-	0%
11. Wiggins Basin	-	-	-	-	
12. Devil Canyon & Sweetwater Basins	32,381	-	2	2	0%
13. Gravel Pits	-	-	-	-	
14. Lower Lytle Creek Basins (proposed)	-	-	-	-	
Sub-total SBB	471,000	7,921	2	7,923	2%

¹ Suggested maximum recharge values. See Appendix F.

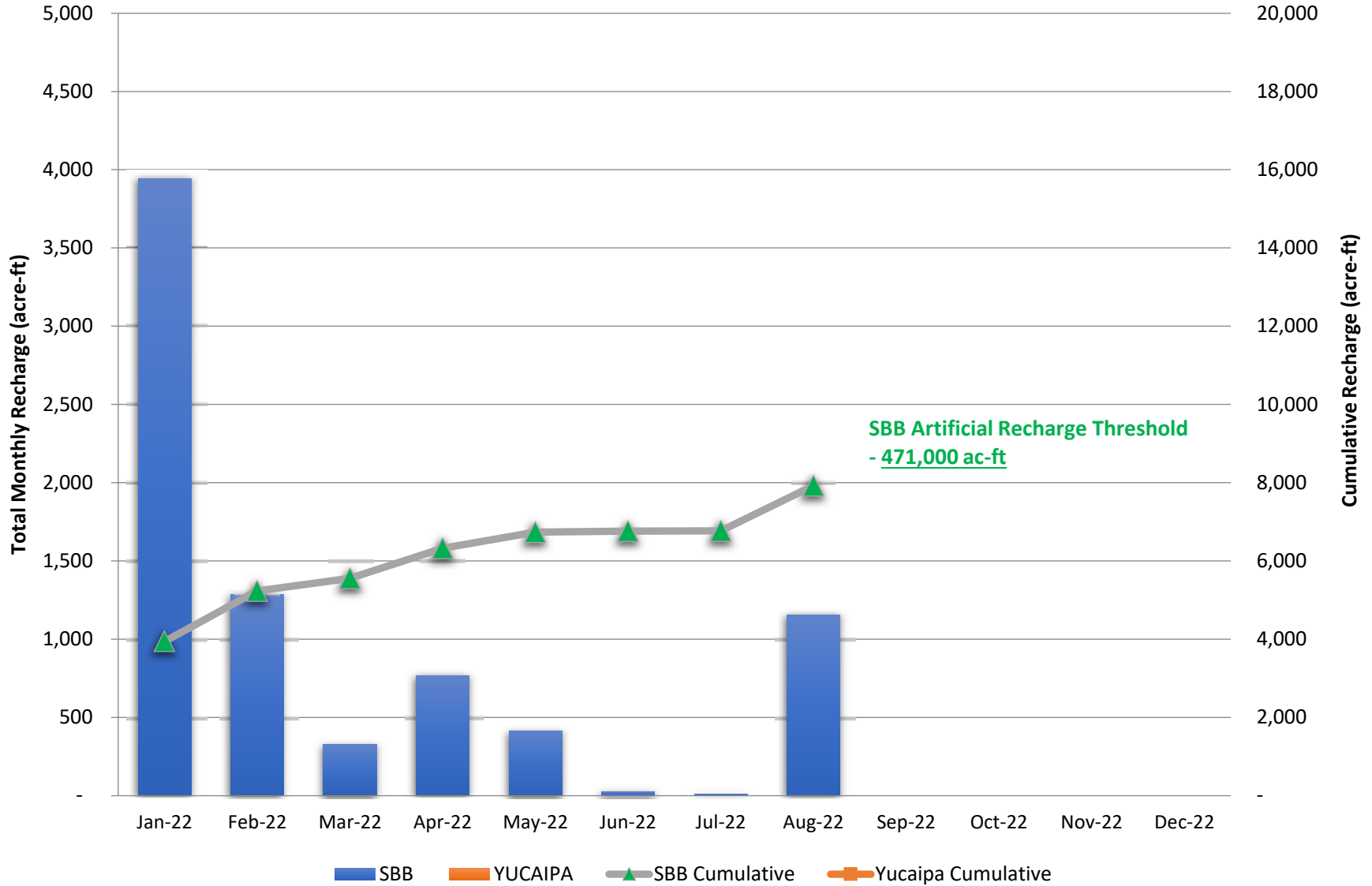
² Due to shallow groundwater levels in this area, exceeding this value may result in rejected recharge at this location.

³ Local surface water recharged by SBVWCD and SBVMWD

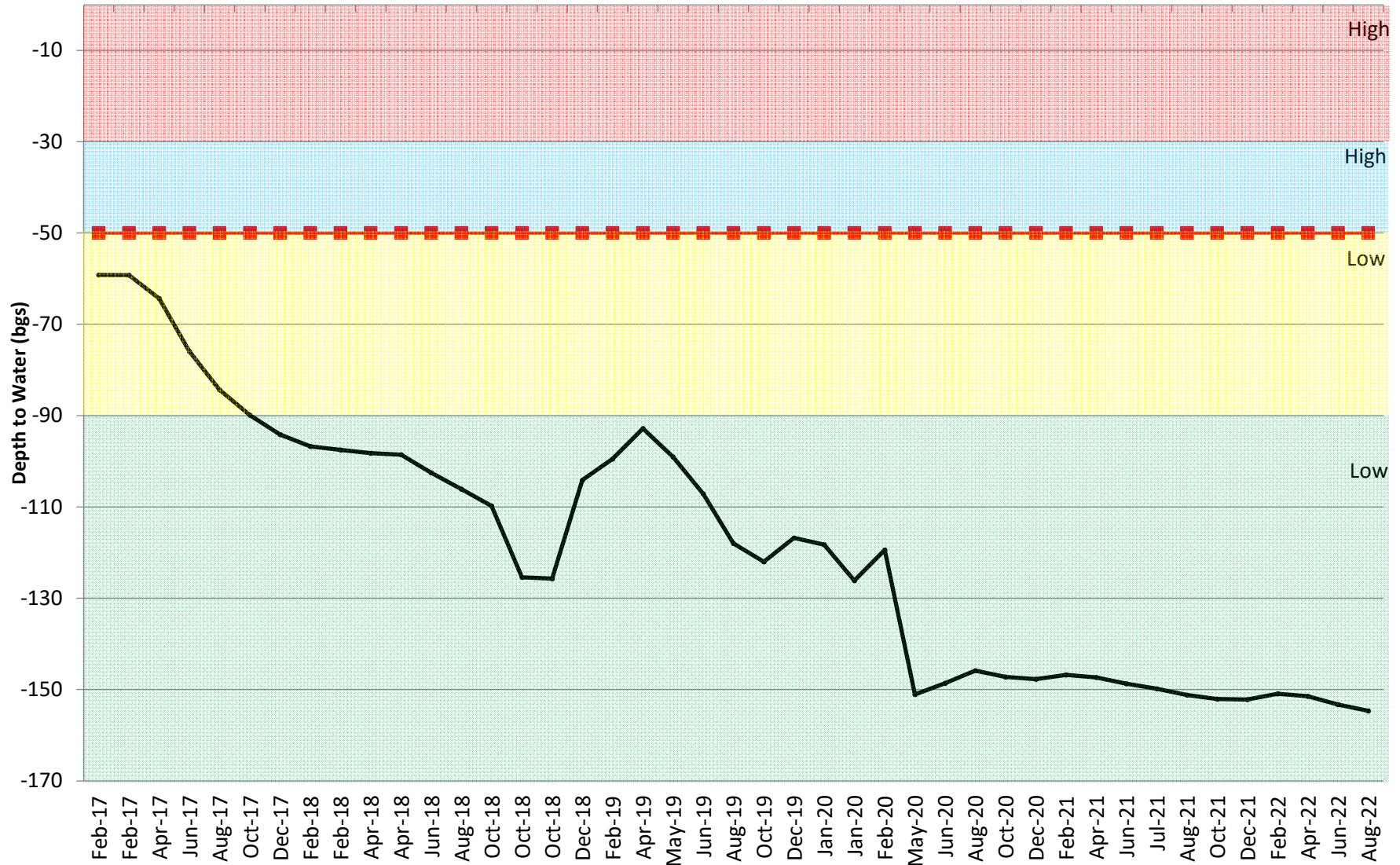
Rialto-Colton Basin					
Yucaipa Basin	3,500		-	-	
Riverside North Basin					
<u>SBVMWD Recharge in Riverside North</u>					
(Watermaster Table No. 17C)	7,060				
<u>Other</u>	-				
Sub-Total R-C, Yucaipa, Riverside North			0	0	

TOTAL RECHARGE AUGUST 2022		7,921	2	7,923	
-----------------------------------	--	-------	---	--------------	--

2022 ARTIFICIAL RECHARGE



LIQUEFACTION POTENTIAL IN THE SAN BERNARDINO BASIN (Average water level of Backyard Well, D4, D5 and D6)



Water Supply Update

DISTRICT WATER SUPPLIES



GROUNDWATER

Bunker Hill Basin

82% of Capacity



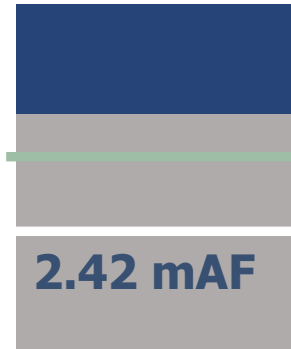
■ Available Capacity ■ Current
□ Last Year



STATE WATER PROJECT

Lake Oroville Updated 10/31/23

68% of Capacity



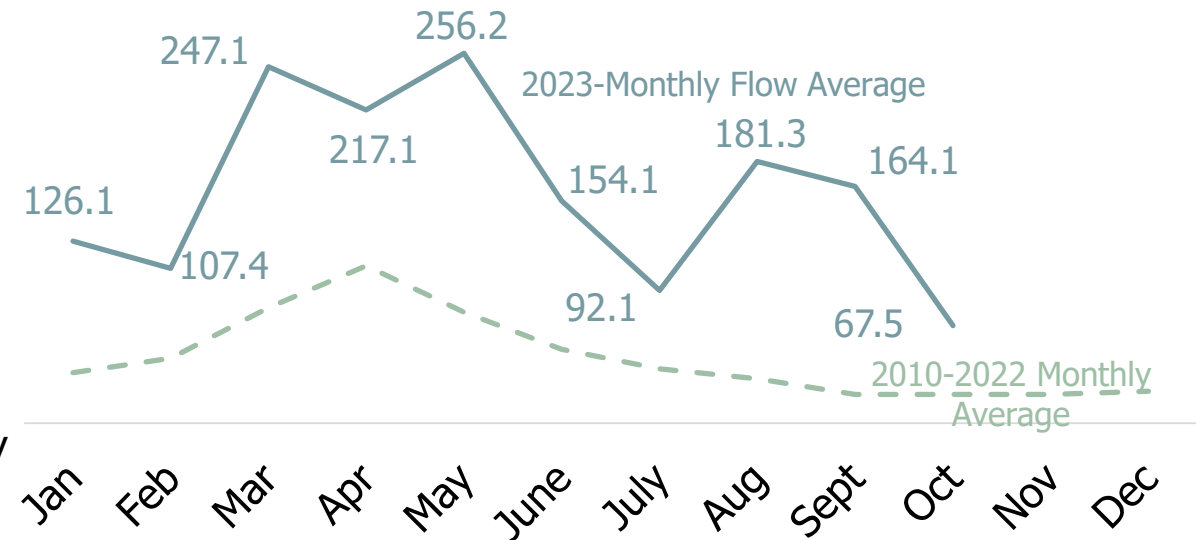
■ Current ■ Available Capacity
□ Last Year ■ Historic Avg



SURFACE

Santa Ana River (CFS) Total SAR Inflow

Updated 11/1/23



OTHER INDICATORS



RAINFALL

Northern California 8 Station

0.8 inches

Updated 11/1/2023

Annual Average: 53.2"

Big Bear

0 inches

Updated : No Reported Data

Annual Average: 16.8"

Highland

0.94 inches

Updated 11/1/23

Annual Average: 11.9"

COLORADO RIVER STORAGE

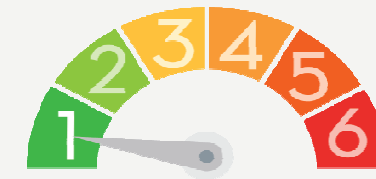
Lake Mead & Powell Updated 9/30/23

9/30/23

37% of Capacity



WATER SHORTAGE STAGE



WATER YEAR

October 1- September 30

STATE WATER PROJECT ALLOCATION

100%



ACRONYMS

CFS = cubic feet per second

mAF = million Acre-Feet

WATER RESOURCES SUMMARY

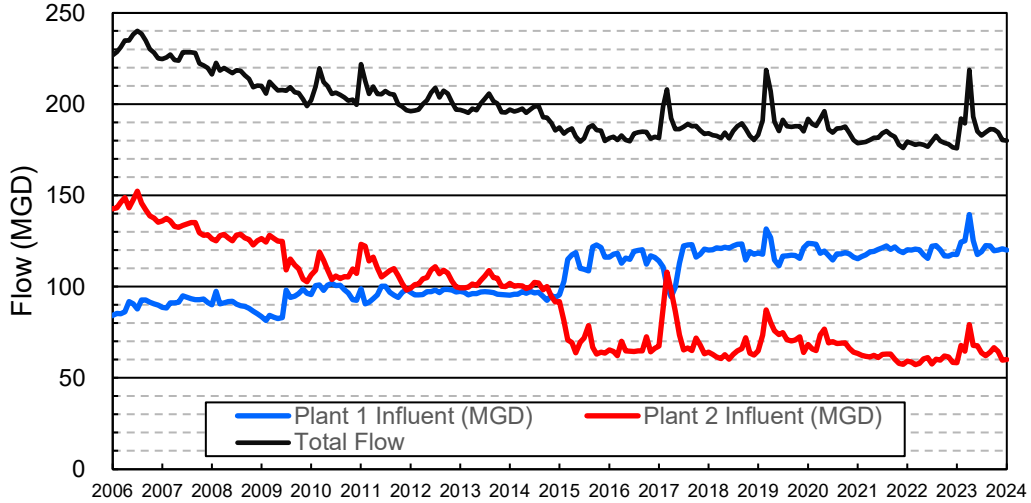
December 2023

INFLOWS & OUTFLOWS (acre-feet)	Total for Month	Year to Date - This Year Last Year	
BASIN SUPPLIES			
Water Purchases from MWD (excludes In Lieu)	0	0	16,864
Water into MWD Storage Account (excludes In Lieu)	0	0	0
SAR & Santiago Creek Flows (accounts for storage to/from recharge facilities)	12,074	76,045	45,345
GWRS Water to Forebay	8,838	46,052	34,002
GWRS Water to Mid-Basin Injection Wells	583	3,766	3,931
GWRS Water to Talbert Barrier	1,414	10,041	11,825
OC-44 and F. Valley Water to Talbert Barrier	1	7	17
Alamitos Barrier Water	180	1,046	1,432
Incidental Recharge (estimated)	2,500	9,700	11,100
Evaporation from Recharge Basins	(217)	(2,025)	(1,332)
River Flow Lost to Ocean	(313)	(714)	(394)
Total Groundwater Recharge	25,061	143,916	122,790
WATER PRODUCTION			
Groundwater Production	21,112	147,720	127,954
MWD Storage Program Withdrawals	<u>0</u>	<u>0</u>	<u>0</u>
Total Groundwater Production	21,112	147,720	127,954
BASIN BALANCE			
Change in Groundwater Storage	3,949	(3,804)	(5,165)
Change in Groundwater Storage excluding MWD Stored Water	3,949	(3,804)	(5,165)
Accumulated Overdraft	-----	192,807	263,167
Accumulated Overdraft excluding MWD Storage	-----	192,806	263,167
IN LIEU WATER			
OCWD In Lieu Purchases (MWD Cyclic Storage)	0	0	0
MWD In Lieu Storage	<u>0</u>	<u>0</u>	<u>0</u>
Total In Lieu	0	0	0
OTHER KEY INFORMATION			
1. MWD Water Deliveries to Producers	4,809	35,713	58,894
2. Basin Production Percentage	81.4%	80.5%	68.5%
3. Total Water Demand	27,641	194,495	197,539
4. Total GWRS Production	10,839	59,891	49,802
5. Green Acres Project Water	117	1,893	2,124
6. SAR Water Quality			
- Total Dissolved Solids (TDS) of SAR below Prado Dam (ppm)	648	-----	248
- Total Nitrogen of SAR below Prado Dam (ppm)	9.4	-----	2.0
7. Month-End Water Storage Behind Prado Dam	20	-----	681
8. Month-End Water Storage in Recharge Facilities	14,517	-----	13,767
9. Water Storage Change in Recharge Facilities	1,465	(6,733)	2,891
10. Total Artificial Recharge	22,561	134,216	111,690
11. Monthly Mean Temperature at Santa Ana Fire Station (°F)	61.8	-----	58.1
12. Rainfall at FHQ (inches)	1.30	4.10	5.48

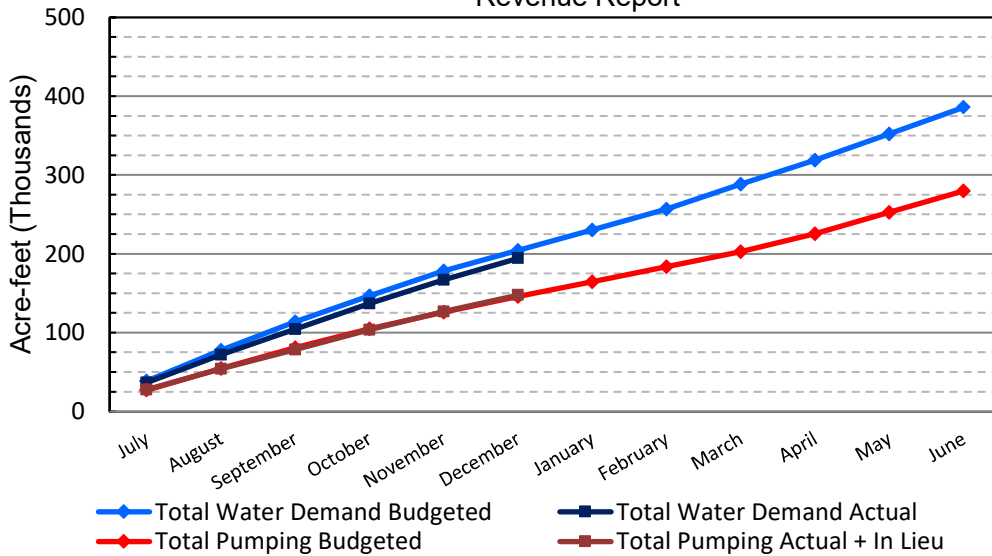
*** Note: Data are preliminary, subject to change

1/11/2024

Orange County Sanitation District Influent Flows Report

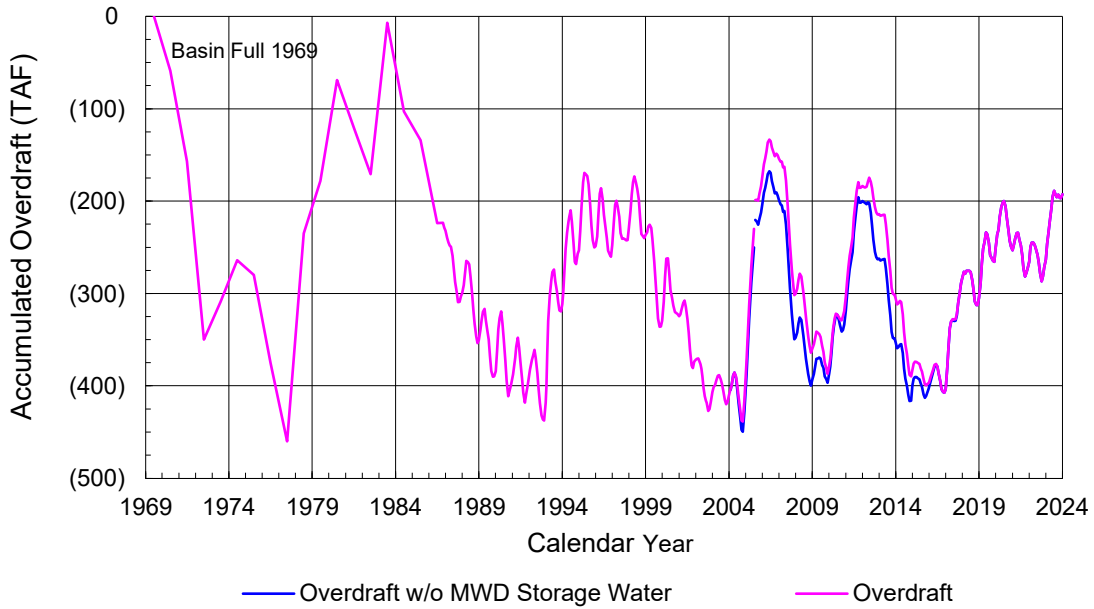


2023-24 Water Demands/Groundwater Pumping + In Lieu/RA Revenue Report

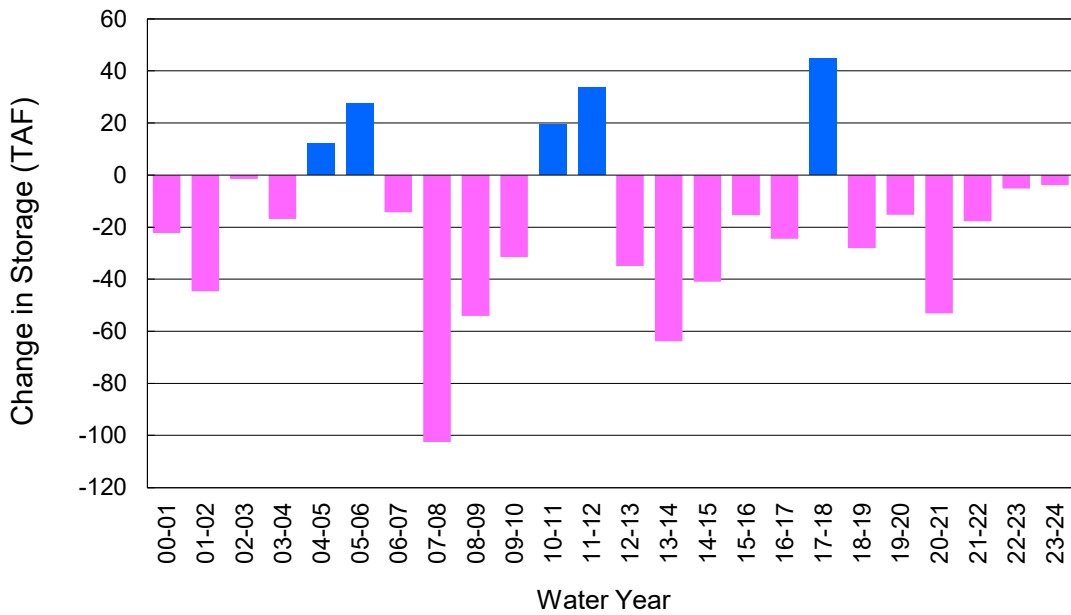


	Monthly		Accumulated Total for the Year			
	Budget	Actual	Budget	Actual	Difference	Percent
Total Water Demand	26,300	27,641	204,400	194,495	-9,905	95.15%
Total Pumping + In Lieu	20,000	21,112	145,800	147,720	1,920	101.32%
RA Revenue	\$9,240,000	\$9,753,812	\$67,359,600	\$68,246,832	\$887,232	101.32%

Accumulated Overdraft



YTD Change in Groundwater Storage in OCWD



PRODUCERS WATER USAGE SUMMARY

December 2023

(AF except BPP)

WATER AGENCY	Ground-water (1)	In Lieu	Reclaimed Water	Total Import (2)	Total Demand	2023-24 YTD Demand	2022-23 YTD Demand	YTD % Diff Demand	DEC 2023 BPP	2023-24 YTD BPP	2022-23 YTD BPP
Anaheim	2,217	0	0	1,824	4,041	28,448	29,747	96%	54.9%	49.5%	26.1%
Buena Park	881	0	0	0	881	6,545	6,688	98%	100.0%	90.2%	82.9%
East Orange County	0	0	0	57	57	444	431	103%	0.5%	0.4%	0.2%
Fountain Valley	698	0	61	0	759	5,100	4,969	103%	100.0%	100.0%	100.0%
Fullerton	1,236	0	0	276	1,512	11,463	11,866	97%	81.7%	75.2%	75.5%
Garden Grove	1,625	0	0	0	1,625	11,196	10,878	103%	100.0%	100.0%	61.7%
Golden State	1,082	0	0	546	1,628	11,410	11,304	101%	66.5%	61.0%	58.5%
West OC System	782	-	-	209	991	6,950	6,837	102%	na	na	na
East OC System	300	-	-	337	637	4,460	4,467	100%	na	na	na
Huntington Beach	1,647	0	0	156	1,803	12,810	13,047	98%	91.4%	84.2%	57.6%
Irvine Ranch	3,552	0	1,602	0	5,154	33,300	32,456	103%	100.0%	99.8%	99.5%
DRWF Clear	2,195	-	-	-	2,195	15,570	14,491	107%	na	na	na
DRWF Color	702	-	-	-	702	4,244	4,235	100%	na	na	na
Laguna Beach	0	0	0	230	230	1,639	1,690	na	0.0%	0.0%	8.1%
La Palma	124	0	0	0	124	895	894	100%	100.0%	100.0%	99.6%
Mesa Water (MW)	1,134	0	34	0	1,168	8,557	8,615	99%	100.0%	100.0%	99.9%
MW Clear	1,010	-	-	-	1,010	7,215	5,931	122%	na	na	na
MW Amber	124	-	-	-	124	886	2,190	40%	na	na	na
Newport Beach	557	0	12	347	916	7,001	7,553	93%	61.6%	83.4%	88.6%
Orange	1,626	0	0	120	1,746	12,895	12,983	99%	93.1%	85.6%	68.9%
OCWD (GAP)	109	0	0	0	109	923	754	122%	100.0%	100.0%	100.0%
Santa Ana	1,682	0	9	751	2,442	16,509	16,615	99%	69.1%	87.2%	63.1%
Seal Beach	232	0	0	0	233	1,599	1,554	103%	99.8%	99.7%	55.6%
Serrano	29	0	0	134	162	1,377	1,591	87%	17.6%	46.9%	77.0%
Tustin	592	0	0	163	755	5,442	5,442	100%	78.4%	67.2%	46.2%
Westminster	788	0	0	0	788	5,260	5,292	99%	100.0%	100.0%	95.2%
Yorba Linda	<u>1,051</u>	<u>0</u>	<u>0</u>	<u>199</u>	<u>1,250</u>	<u>9,891</u>	<u>9,848</u>	<u>100%</u>	<u>84.1%</u>	<u>83.6%</u>	<u>81.4%</u>
SUBTOTAL:	20,863	0	1,718	4,802	27,383	192,704	194,216	99%	81.4%	80.5%	68.1%
Other Producers (Est ~3% of Subtotal)	<u>249</u>	<u>0</u>	<u>0</u>	<u>6</u>	<u>256</u>	<u>1,791</u>	<u>3,322</u>	<u>54%</u>			
TOTAL:	21,112	0	1,718	4,809	27,639	194,495	197,539		81.4%	80.5%	68.1%
OCWD (Talbert Barrier)	0		1,414	0	1,414	10,048	10,387				
OCSA (GAP)	na		0	na	0	532	385				

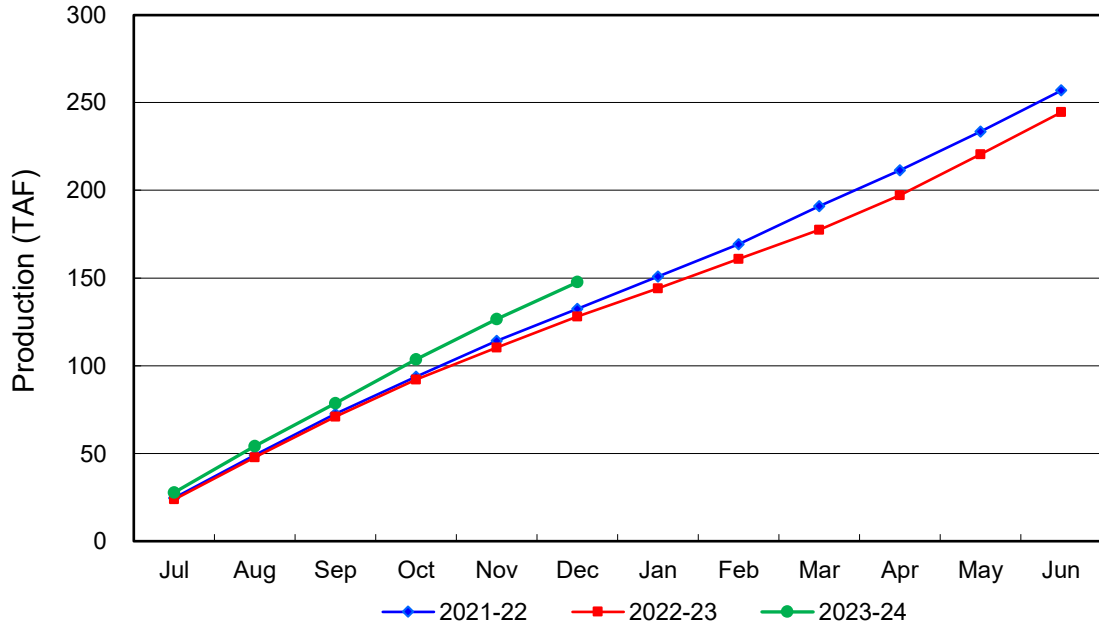
Estimated

(1) Excludes MWD CUP Withdrawals

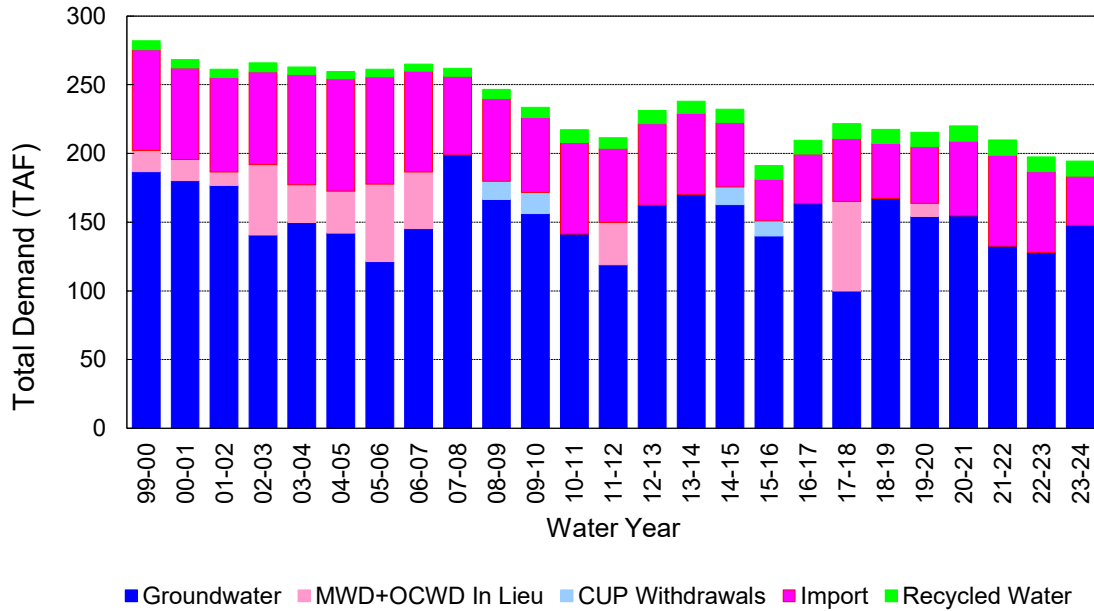
(2) Includes MWD CUP Withdrawals & In Lieu Water

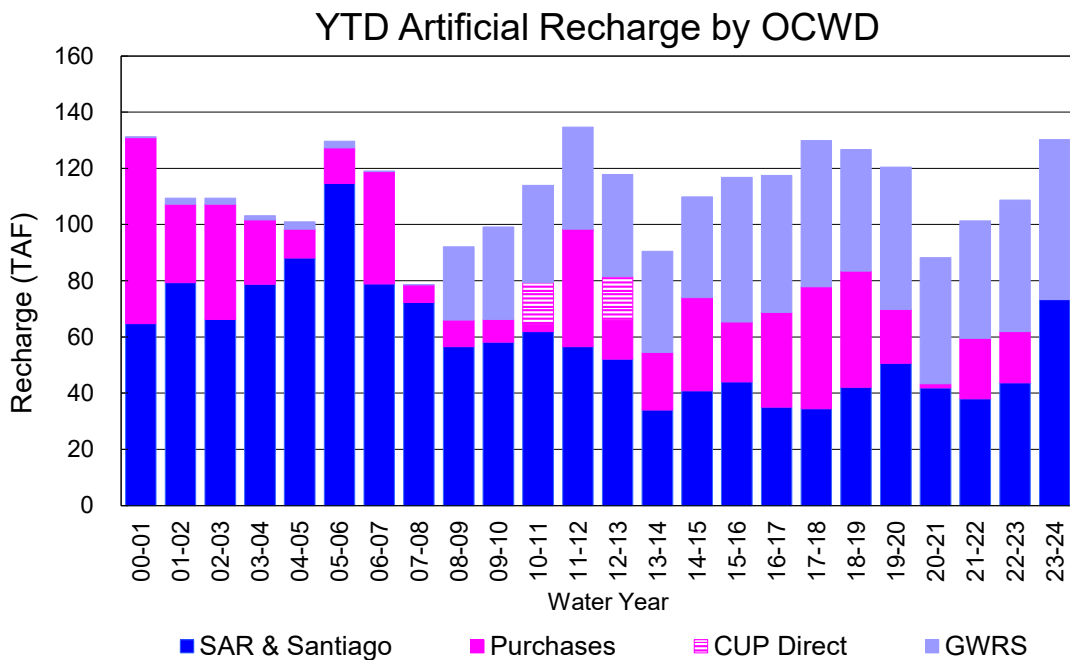
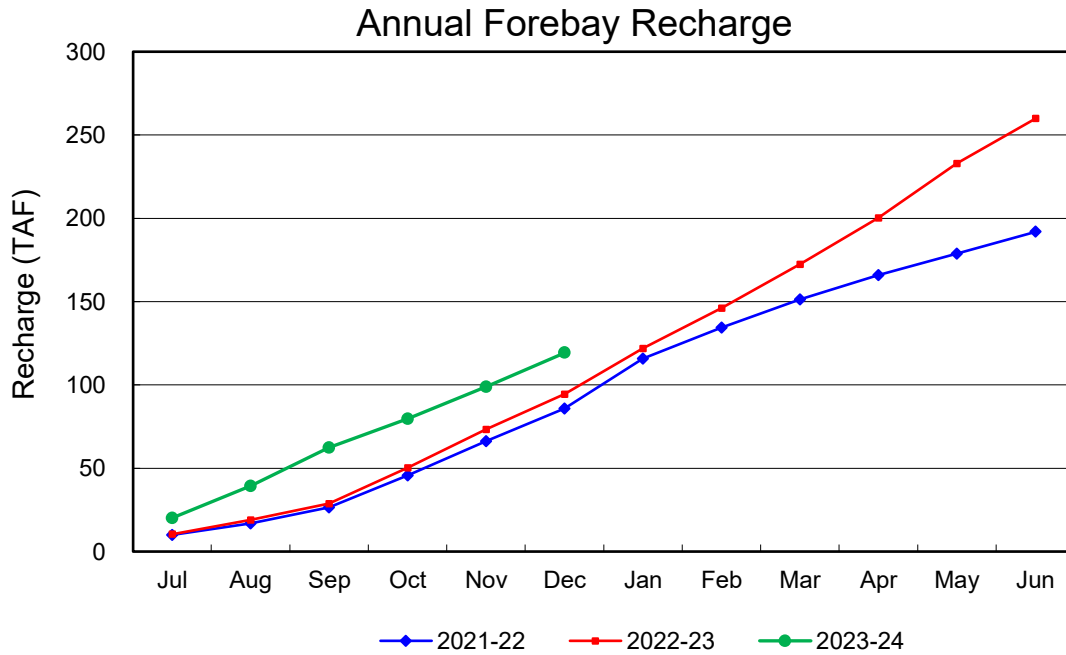
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Annual Groundwater Production



YTD Total Demand in OCWD





RECHARGE AREAS REPORT

December 2023

	Percolation (AF)	Remarks
RIVER SYSTEM	4,877	79 cfs per day average perc
DESILTING SYSTEM	na	SAR
OFF-RIVER SYSTEM	1,327	SAR
WARNER SYSTEM	1,058	SAR
OLIVE BASIN	na	Passive System
ANAHEIM LAKE	926	SAR
MINI-ANA LAKE	na	
MILLER BASIN	444	SAR
KRAEMER BASIN	na	
LA PALMA BASIN	5,639	GWRS
MIRALOMA BASIN	3,225	GWRS
LA JOLLA BASIN	121	SAR
PLACENTIA BASIN	na	
RAYMOND BASIN	na	
FIVE COVES BASIN	na	SAR
BURRIS BASIN	704	SAR
RIVER VIEW BASIN	109	SAR, Burris Pumping
FLETCHER BASIN	27	Local Runoff
SANTIAGO BASINS	1,774	SAR, Burris Pumping, Local Runoff
SANTIAGO CREEK	156	SAR, Burris Pumping, Local Runoff
TOTALS	20,387	
5-YR AVERAGE	19,533	

FLOWS TO RECHARGE AREAS (AF)	
Imperial Headgates (estimated)	12,499
GWRS	8,842
OC-28 (MWD)	0
OC-28a (MWD)	0
OC-59	0
Est'd local Forebay inflow below Imperial	419
Est'd local Santiago inflow (estimated)	536
Irvine lake releases (OC-13 MWD)	0
Villa Park Dam releases (estimated)	0
Precip at Warner Basin (inches)	1.30
Precip direct to open water surfaces	86
TOTAL INFLOW	22,382

LOSSES FROM RECHARGE AREAS (AF)	
Est'd SAR flow past Chapman Ave.	269
Est'd Santiago Cr. flow to SAR	44
Est'd flows past Raymond Basin	0
Calc'd evap (inches) Estimated	3.29
Est'd evaporative losses	217
TOTAL LOSSES	530

STORAGE CHANGES (AF)			
Facility	Begin	End	Net
Deep basins	5,031	6,413	1,381
Santiago Pits	8,020	8,104	84
River			
Off-river			
Irvine Lake			
TOTAL	13,051	14,517	1,465

SUMMARY (AF)	
TOTAL INFLOW	22,382
TOTAL LOSSES	530
STORAGE CHANGE	1,465
CALC'D PERCOLATION	20,387

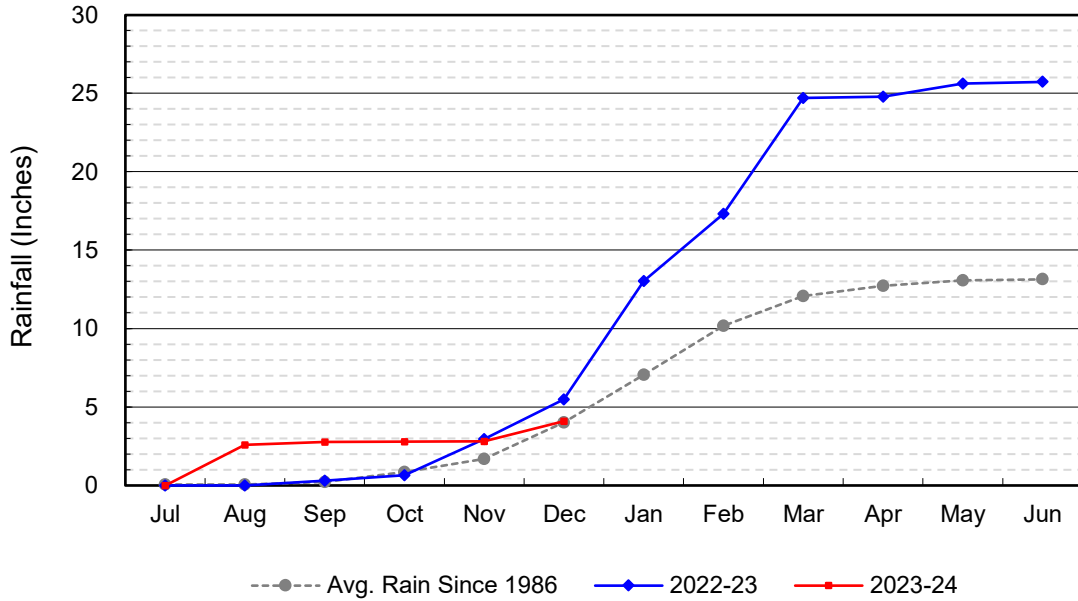
DEEP BASINS MONTHLY STATUS

December 2023

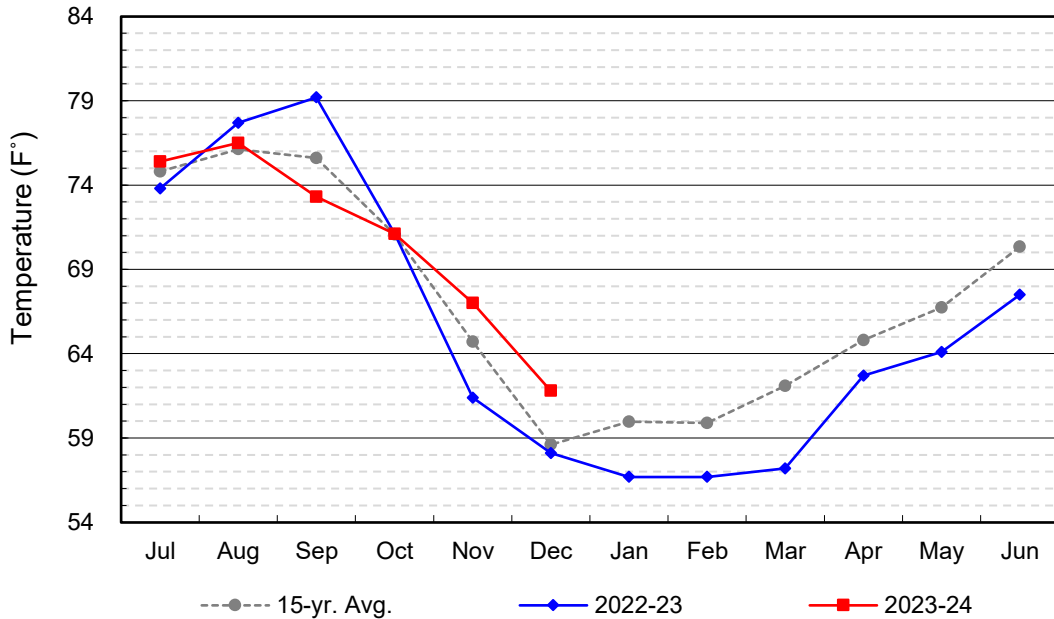
(values in acre-feet)

<i>Facility</i>	<i>Storage Start</i>	<i>Storage End</i>	<i>Maximum Storage</i>	<i>Total Perc</i>	<i>Max Perc</i>	<i>Avg Perc</i>	<i>Avg W.S. Elev</i>
Desilting Ponds	230	230	252	na	na	na	na
Fos-Huckleberry	532	531	628	na	na	na	na
Conrock Basin	550	579	661	na	na	na	na
Warner Basins	2,902	2,885	2,900	1,125	na	na	238
Olive Pit	39	48	95	na	na	na	212
Anaheim Lake	0	306	2,300	985	136	32	174
Mini-Anaheim Lk	0	0	10	na	na	na	na
Miller Basin	0	115	350	472	74	15	202
Kraemer Basin	0	0	1,055	na	na	na	na
La Palma Basin	45	68	101	5,639	196	182	217
Miraloma Basin	25	43	53	3,225	111	104	219
La Jolla Basin	0	0	20	129	24	4	200
Placentia Basin	0	0	200	na	na	na	na
Raymond Basin	0	0	200	na	na	na	na
Five Coves Basins	242	283	329	na	na	na	na
Burriss Pit	463	1,308	2,500	749	35	24	154
River View Basin	0	6	8	116	17	4	187
Fletcher Basin	3	11	15	29	6	1	186
Santiago (Bond)	5,426	5,474	8,312	1,887	87	61	246
Santiago (Blu Dia)	2,594	2,630	5,259	-	-	-	-
Totals	13,051	14,517	25,247	14,356			
Prado Dam	7	20	20,000				

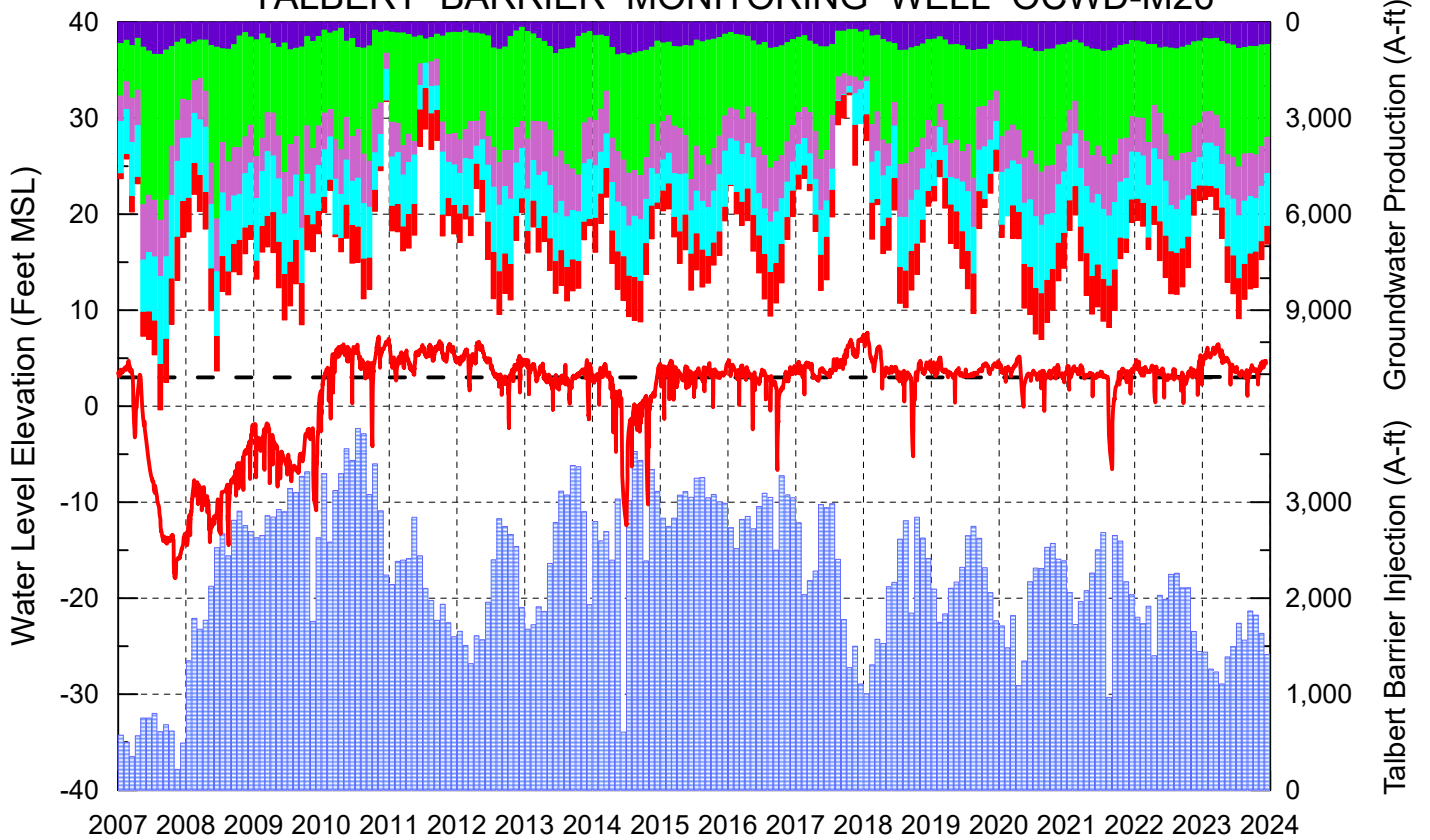
Cumulative Anaheim Field HQ Rainfall



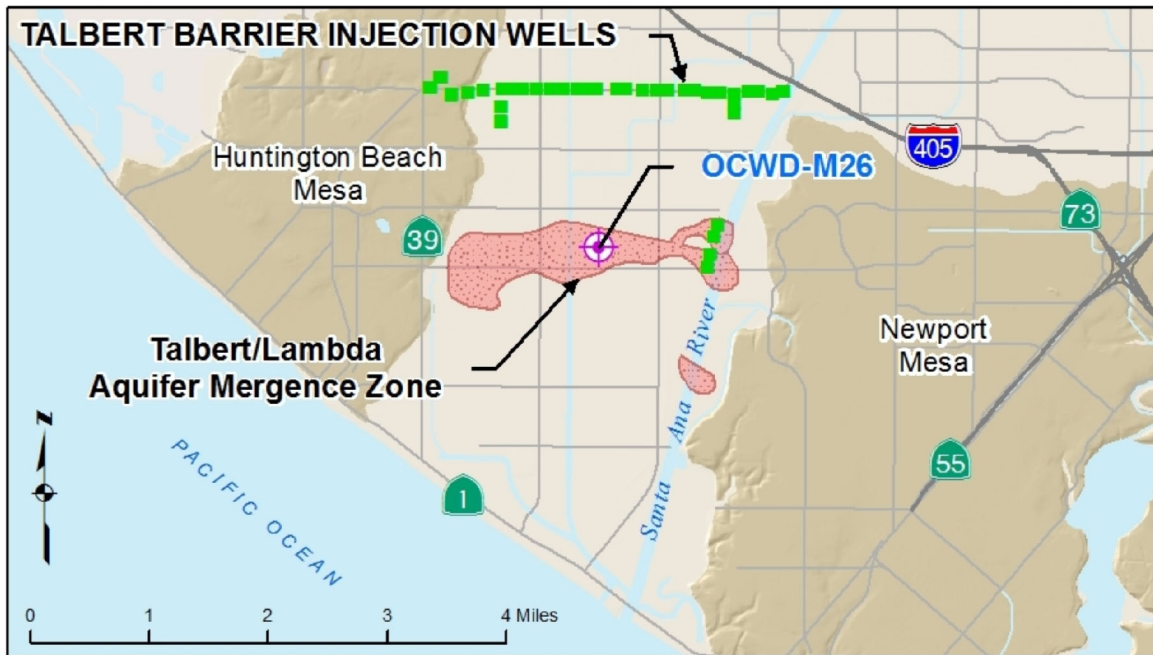
Temperature at Santa Ana Fire Station



TALBERT BARRIER MONITORING WELL OCWD-M26



- Talbert/Lambda Aquifer Mergence Zone Perforated Interval: 71 - 135 ft. bgs
- ▨ Talbert Barrier Injection
- - - Protective Level to Prevent Seawater Intrusion
- ▨ Fountain Valley Groundwater Production
- ▨ IRWD Groundwater Production
- ▨ Mesa Water Groundwater Production
- ▨ Huntington Beach Groundwater Production
- ▨ Newport Beach Groundwater Production



Basin Technical Advisory Committee

Bear Valley Mutual
Water Company

City of Colton

East Valley Water District

City of Loma Linda

City of Redlands

City of Rialto

City of Riverside

San Bernardino County
Flood Control District

San Bernardino Municipal
Water Department

San Bernardino Valley
Municipal Water District

San Bernardino Valley
Water Conservation District

West Valley Water District

Western Municipal
Water District

Yucaipa Valley Water District

DATE: February 5, 2024
TO: Basin Technical Advisory Committee (BTAC)
FROM: Adekunle Ojo, Manager of Water Resources
Michael Plinski, Chief of Water Resources
SUBJECT: 2024 Regional Water Management Priorities

Recommendation

Information Item; Receive & File

Summary

Below is a list of projects and programs that will receive special emphasis from San Bernardino Valley in 2024 along with partners such as Western Water, Water Conservation District, and the Flood Control District:

1. Agreement and improvements for recharge at Cactus Basins
2. Initial operation of the newly completed basins at Santa Ana River Basins and Weaver Basins
3. Continue construction on Enhanced Recharge Phase 1B
4. Initiate San Bernardino Basin Optimization and Stewardship Program Phase 2
5. Secure approval for the Habitat Conservation Plan
6. Groundwater Recharge Operations at existing recharge facilities
7. Program for Enhanced Recharge Capability (PERC) Feasibility Studies and Initiation of Final Design for Top Priority PERC Project
8. Update the Integrated Model to support PERC and other analysis.
9. Umbrella Permit for the Santa Ana River Water Rights Permits to include all potential PERC and Active Recharge Transfer Projects
10. Complete the analysis and Watermaster review of the Bunker Hill Conjunctive Use Project and the Santa Ana River Conservation and Conjunctive Use Program (SARCCUP)



DATE: February 5, 2024

TO: Basin Technical Advisory Committee (BTAC)

FROM: Adekunle Ojo, Manager of Water Resources
Michael Plinski, Chief of Water Resources

SUBJECT: Santa Ana River (SAR) Water Rights Permits and SAR Diversions

Recommendation

Informational Item; Receive and File

Summary

Each year, San Bernardino Valley Municipal Water District (San Bernardino Valley) and Western Municipal Water District (Western Water) report diversions from the Santa Ana River under the two water rights permits jointly held by the two agencies to the State Water Resources Control Board. The amount of water diverted by San Bernardino Valley and Western Water in Water Year 2022-2023, as reported to the SWRCB, was 40,167 acre-feet bringing the cumulative diversion since 2008 to 132,660 acre-feet.

Background

For over 100 years, the San Bernardino Valley Water Conservation District and its predecessors have been capturing and recharging local stormflow in the San Bernardino Basin. In the 1970's, San Bernardino Valley led the effort to have the Seven Oaks Dam, then called the Mentone Dam moved from its original site to its current location to allow water to be captured and released at a rate that we could capture and store. It took San Bernardino Valley and Western Water over 19 years to secure the water rights permits that allowed the water to be put to beneficial use. The Enhanced Recharge Project, designed to capture and recharge additional Santa Ana River water simply enhance what is already happening to provide additional high quality, low-cost water to the region.

On June 29, 2010, San Bernardino Valley and Western Water received two (2) water rights permits, 21264 and 21265, from the State Water Resources Control Board (SWRCB) that allow the diversion of as much as 200,000 acre-ft of water per year from the Santa Ana River. Water is first diverted under Permit 21264 up to 100,000 acre-feet; any diversions above 100,000

acre-feet are diverted under Permit 21265 up to a cumulative total of 198,317 acre-feet. These permits concluded an application process that spanned nearly two decades and involved countless hours of the Board, staff, special counsel, and consultants.

The permits initiated a “development phase” of San Bernardino Valley and Western Water’s right to water from the Santa Ana River. Developing this new water right to its full potential involves the construction of new diversion, conveyance, and recharge facilities. These new facilities were outlined in the Environmental Impact Report for the water right process and were estimated to cost between \$140 and \$214 million, if all facilities were deemed necessary. The permits require that the two Districts prove they can put the water to beneficial use by December 31, 2059. Once the Permittees have achieved their maximum diversion amount, the SWRCB will issue a license that replaces the permits. Although new facilities are required by the Permittees to capture all the water allowed under their two permits, San Bernardino Valley and Western Water have been diverting water under their permits since 2008 and recharging the water in the existing San Bernardino Valley Water Conservation District recharge basins.

It took almost a decade to get through design and permitting before beginning construction in a habitat conservation area. In 2017, construction started on Phase 1A of the Enhanced Recharge Project, which was subsequently completed in early 2019 and involves the construction of a new diversion structure, a sedimentation basin, a pipeline, and an inlet channel to allow the diversion of up to 500 cubic feet per second of releases from the Seven Oaks Dam. Construction of Phase 1B started in mid-2023 with an estimated completion in late 2024; this phase will expand existing groundwater recharge facilities owned and operated by the San Bernardino Valley Water Conservation District. Phase 1B is over \$60 million in infrastructure investment consisting of additional 20 recharge basins with levees, access roads, canals, inter-basin pipelines and connectors, and flow control structures to facilitate the maximum capture and recharge of water diverted under the water right permits.

Phase	Timeline	Cost
Water Right Application	1991 – 2010	\$16.1 million
Investment at Seven Oaks	1993 – 2009	\$5.0 million
Enhanced Recharge Phase 1A	2009 – 2019	\$14.4 million
Enhanced Recharge Phase 1B	2019 – 2025	\$64.5 million
	TOTAL	<u>\$100 million</u>



DATE: February 5, 2024
TO: Basin Technical Advisory Committee (BTAC)
FROM: Adekunle Ojo, Manager of Water Resources
Michael Plinski, Chief of Water Resources
SUBJECT: Groundwater Management Update

Recommendation

Informational Item; Receive and File

Summary

This report summarizes the conditions of groundwater basins in the San Bernardino Valley service area and the activities of their basin management bodies:

Rialto Basin

Through a collaborative effort of San Bernardino Valley Municipal Water District, Fontana Union Water Company, West Valley Water District, City of Rialto, and City of Colton a “Settlement Agreement” was reached in September 2018 to promote sustainable management of groundwater in the Rialto-Colton basins.

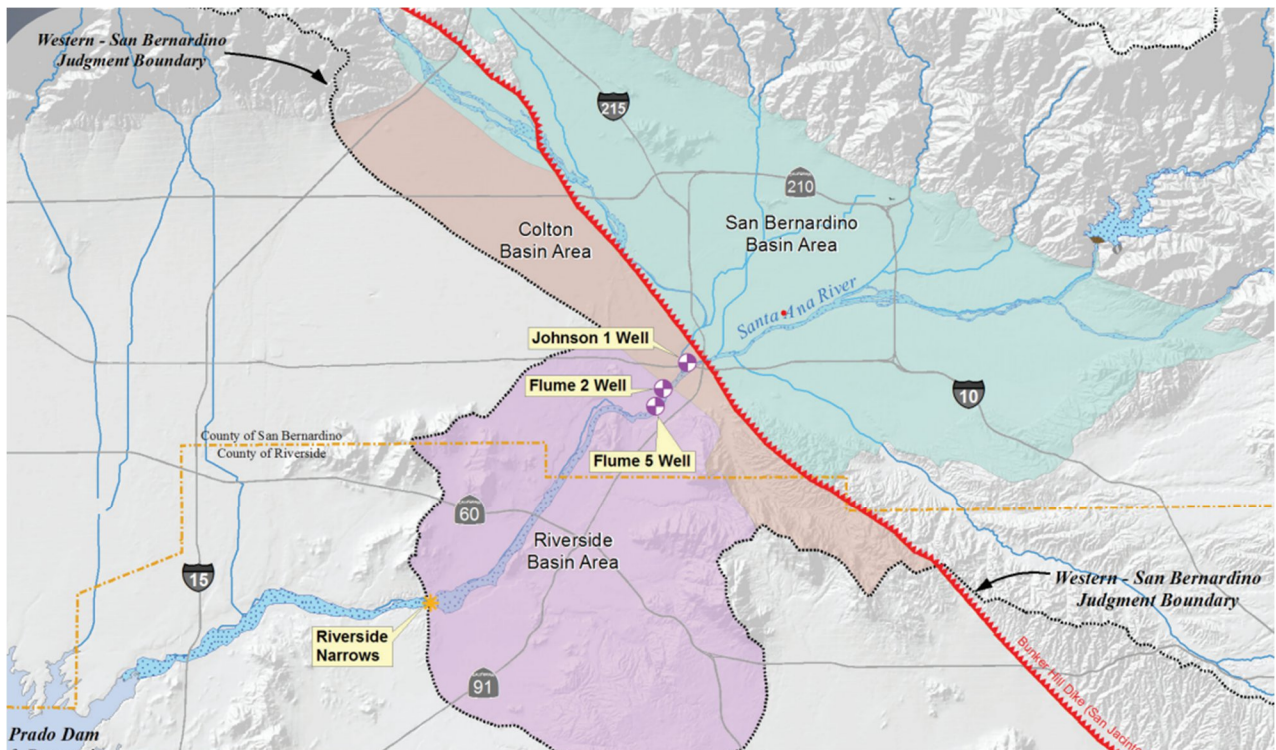
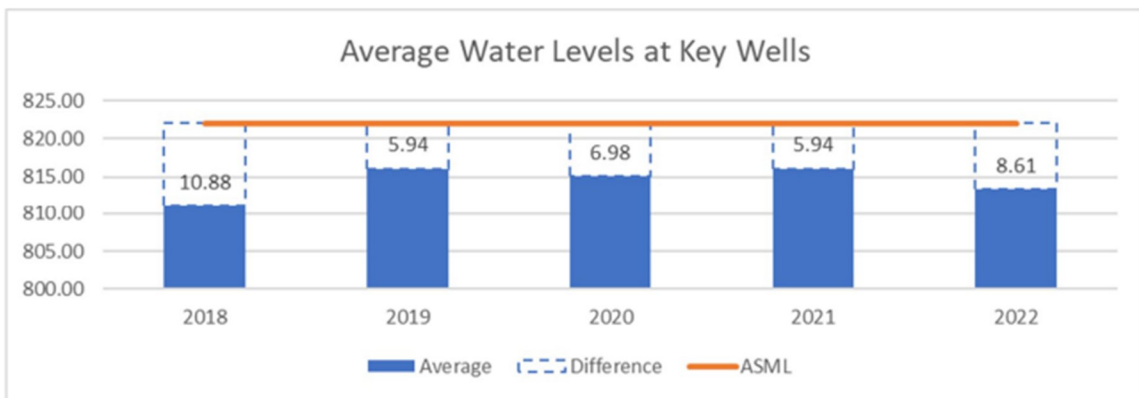
In February 2019 Amendments to the Settlement Agreement were signed by City of Rialto, City of Colton and West Valley Water District. The parties then developed the Recitals of the Rialto Basin Groundwater Council (RBGC) and began work to complete the Framework Agreement. That agreement has been executed by all parties.

Pursuant to the Settlement Agreement, the Parties committed to cooperate and collaborate on groundwater replenishment and establishing a groundwater sustainability council, with each other and other producers to promote long-term sustainable and reliable water supplies for the beneficial use of their collective customers.

The Rialto Basin Groundwater Council has been established along with a Technical Advisory Group. They have hired a consultant to prepare the Rialto Basin Management Plan which is expected to be completed in 2024. SB Valley and the RBGC agencies are working with San Bernardino County Flood Control to allow SWP recharge at the Cactus Basins and Fontana Union Water Company continues to provide funding for SWP purchases as required by the Settlement Agreement.

Colton and Riverside Basin Areas in San Bernardino County

One of the requirements of the 1969 Western-San Bernardino Judgement is that San Bernardino Valley, on behalf of "other than Plaintiffs", must maintain the 1963 average static groundwater surface elevation of 822.04 feet above mean sea level (AMSL) as measured at three key wells (Johnson 1, Flume 2, and Flume 5) in the Colton and Riverside Basin Areas. The index wells, located just downstream of the San Bernardino Basin, are a composite indicator of precipitation and groundwater storage in the Upper Watershed. After many years of drought in our region, in 2018 the static water level at the three key wells fell below 822.04 feet AMSL, which meant San Bernardino Valley was out of compliance with the water level requirement in the Colton and Riverside Basin Areas.



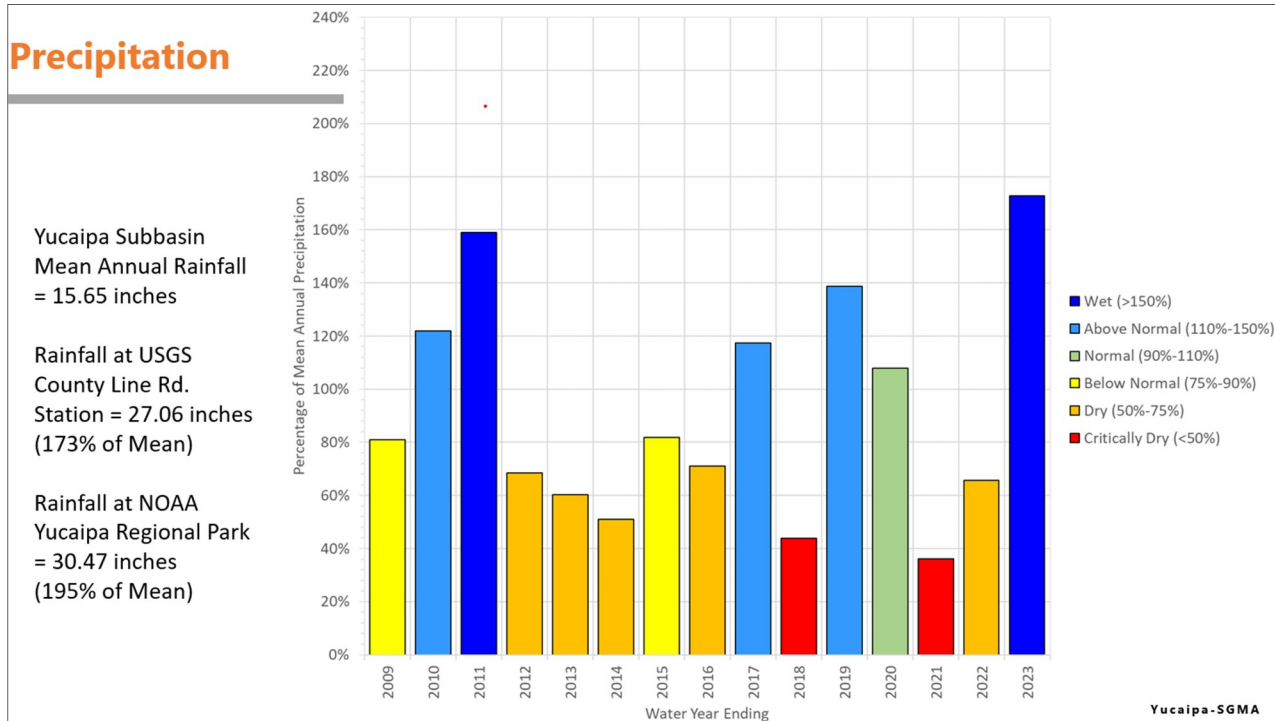
In November 2023, the Watermaster parties conducted the annual key well measurements. For calendar year 2023, the average “non-static” water level elevation was 847.23 feet AMSL, or 25.19 feet above the requirement. Therefore, San Bernardino Valley will be in compliance with the water level requirements for the Colton and Riverside Basin Areas in the 2024 Western-San Bernardino Watermaster Report that is due to the Court by August 1, 2024. The current water level results are due to the wet year locally and the high level of in-stream recharge in the Santa Ana River of local runoff in combination with the large amounts of imported state water recharged in multiple facilities in 2023. Although the 2023 water levels are welcome news, it is important to remember that the groundwater conditions are highly dependent upon local rainfall.

San Bernardino Basin

In calendar year 2023, San Bernardino Valley recharged 32,286 acre-feet for the San Bernardino Basin Groundwater Council, which is 90% of the 33,000 acre-feet of imported water recharge deliveries planned for the year. In addition, the San Bernardino Valley Water Conservation District made almost 73,000 acre-feet of local stormflow recharge. The San Bernardino Basin Groundwater Council (SBB GC) Framework Agreement was amended in 2023 to extend the term until June 30, 2024, allowing participants time for additional analysis and deliberations regarding its potential longer-term renewal. Some of the analysis and deliberations will take place in the context of the upcoming Phase 2 of the Basin Optimization and Stewardship Program; the Basin Optimization Framework (Phase 1) is scheduled for completion at the end of February 2024.

Yucaipa Basin

The Yucaipa Basin Groundwater Sustainability Plan (GSP) was approved by the California Department of Water Resources on January 18, 2024, after a two-year review process. At its January 24, 2024 [meeting](#), the Yucaipa Sustainable Groundwater Management Agency reviewed Water Year 2023 Conditions of the Basin and the status of GSP implementation. Water Year 2023 was the wettest in recent years for the Basin and all four management areas are tracking well with the three GSP management actions.



Status of GSP Implementation after 2023 WY

Management Actions	Conditions	2023 Water Year
#1: Reduce Net Use of Groundwater when Levels Fall Below Measurable Objectives	Water levels decline below measurable objectives at 50% of RMPs for 2 consecutive years	No Management Areas with 50% or more RMPs below MO.
#2: Sustainable Yield Pumping Allocations and Groundwater Replenishment	<ul style="list-style-type: none"> Pumping credits earned when production < allocation 5-year rolling pumping credit Transferability of credits under discussion by GSA 	<ul style="list-style-type: none"> South Mountain @ -403 AF No supplemental water available, reduce net use of groundwater 5-year window to offset exceedance
#3: Surplus Supplemental Water Spreading	Surplus supplemental water spreading available to purveyor that purchased and spread the water	4,554.5 AF SWP water purchased by YVWD and discharged to Wilson Creek and Oak Glen Creek spreading basins in 2023 WY. 1% loss = 4,509 AF available to YVWD in NBMA.

Implementing Making Conservation a California Way of Life in the Region

At the meeting held on January 22, 2024, the BTAC Water Conservation Subcommittee discussed reporting and strategies to implement SB 606 and AB 1668 including collaboration/planning in San Bernardino Valley and local retailer “Water Wednesday” workgroup meetings. San Bernardino Valley will host meetings every second Wednesday of the month at their headquarters as an opportunity to “drill down” on specific working topics and benefit from each retailer’s program experience in an informal work group setting. Conservation subcommittee members have identified several topics for roundtable workgroup discussions on conservation and other regulatory measures, annual reporting data and components of conservation legislation. The next workgroup meeting will be held Wednesday, February 14th and the workgroup will review the DWR Interim reporting template, as well as data collected from the Electronic Annual Report.

The subcommittee also discussed the recent report released by the Legislative Analyst Office which outlines substantial challenges for retailers to comply with conservation legislation including economic and operational impacts which are expected to outweigh the potential benefits and water savings.

The subcommittee discussed an opportunity to support compliance with Commercial, Industrial and Institutional performance measures by collaborating on a regional Qualified Water Efficient Landscaper training program via the San Bernardino Valley Water Conservation District. Katlyn Scholte of SBVWCD joined the conservation meeting to provide background and program options. Retailers discussed engaging local school districts and/or City maintenance staff and how the training could be scheduled and administered.

Additionally, a discussion on San Bernardino Valley’s Urban Community Drought Relief Grant was held to advise retailers on proposed structure and allocations for direct install opportunities. The program will have separate indoor and outdoor components for participating retailers and San Bernardino Valley is currently drafting a program outline. Participating retailers will have the opportunity to identify/target multi-family and HOA properties within their service areas with a focus on Disadvantaged Communities. Retailers will apply for proposed projects to San Bernardino Valley and projects are to be completed by 2026. There will be a retailer cost-share for proposed projects and San Bernardino Valley intends to work with retailers to process Demand Management Incentive program participation which can help cover retailer cost-share for the grant.