

# Basin Technical Advisory Committee

Meeting No. 127

## 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, AUGUST 5, 2024 – 1:30 P.M.**

#### **PUBLIC PARTICIPATION**

Public participation is welcome and encouraged. You may participate in the August 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](mailto: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, August 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.

380 East Vanderbilt Way  
San Bernardino, CA 92408  
909.387.9200 ph  
909.387.9247 fax  
[www.sbvmwd.com](http://www.sbvmwd.com)

Jennifer Ares, Chair  
Linda Jadeski, Vice 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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Water District

East Valley Water District

City of Riverside

San Bernardino Valley  
Water Conservation District

City of Loma Linda

San Bernardino County  
Flood Control District

West Valley Water District

## AGENDA

**August 5, 2024, 1:30 PM**

- 1) Call to Order/Pledge of Allegiance/Introductions
- 2) Public Comment
- 3) Approval of Minutes
  - 3.a June 3, 2024 Regular Meeting  
[BTAC Meeting Minutes](#)
- 4) Presentations and Updates
  - 4.a Water Conservation Subcommittee Update - D. Arciniega (5 min.)
  - 4.b Update on Forecast Informed Reservoir Operations - G. Woodside (5 min.)
  - 4.c Update on the Program for the Expansion of Recharge Capacity (PERC) - B. Miller (10 min.)  
[Last BTAC Presentation on Active Recharge](#)
  - 4.d Update on the 2025 Integrated Regional Urban Water Management Plan (IRUWMP) - A. Ojo (5 min.)  
[Update on the 2025 IRUWMP](#)
  - 4.e Update on San Bernardino Basin Optimization and Stewardship Program - M. Plinski (10 min.)
  - 4.f Update on 2024 Imported Water Plan and Recommendation of the CEO/General Manager to surplus up to 15,000 acre-feet of SBVMWD 2024 SWP Table A

Jennifer Ares, Chair  
Linda Jadeski, Vice Chair

Cecilia Griego, Chair  
Project Review Subcommittee

Ryan Shaw, Chair  
Engineering Subcommittee

Devin Arciniega, Chair  
Conservation Subcommittee

Allocation - M. Plinski (30 min.)

5) Action Items

5.a Appointment of a BTAC representative to the Partnership Agreement Policy Committee for the Program for the Expansion of Recharge Capacity (PERC) - J. Ares (5 min)

[Memo - Appoint a BTAC Representative to the PERC Policy Committee](#)

6) Other Business and Future Agenda Items

7) Adjourn

**MINUTES  
OF  
THE  
BASIN TECHNICAL ADVISORY COMMITTEE**

**MEETING NO. 126**

**June 3, 2024**

**Attendees:**

Jennifer Ares, Yucaipa Valley Water District  
Madeline Blua, Yucaipa Valley Water District  
George Hanson, Bear Valley Mutual Water Company  
Sam Fuller, Bear Valley Mutal Water Company  
T. Milford Harrison, San Bernardino Valley Municipal Water District  
Wen Huang, San Bernardino Valley Municipal Water District  
Leo Ferrando, San Bernardino Valley Municipal Water District  
Michael Plinski, San Bernardino Valley Municipal Water District  
Adekunle Ojo, San Bernardino Valley Municipal Water District  
Andreea Tanase, San Bernardino Valley Municipal Water 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  
Jose Macedo, San Bernardino Valley Municipal Water District  
Cindy Saks, San Bernardino Valley Municipal Water District  
Melissa Zoba, San Bernardino Valley Municipal Water District  
Greg Woodside, San Bernardino Valley Municipal Water District  
Matthew Olivo, San Bernardino Valley Municipal Water District  
Rocky Welborn, West Valley Water District  
Linda Jadeski, West Valley Water District  
Farid I. Boushaki, Riverside Public Utilities  
Drew Faherty, Riverside Public Utilities  
Betsy Miller, San Bernardino Valley Water Conservation District  
Melody McDonald, San Bernardino Valley Water Conservation District  
Robert Stewart, San Bernardino Valley Water Conservation District

Steve Miller, City of San Bernardino Municipal Water Department  
Warren Huang, City of San Bernardino Municipal Water Department  
Brian Dickinson, City of Colton  
Oscar Ramos, Fontana Water Company  
Eric Tarango, Fontana Water Company  
Megan Sims, Fontana Water Company  
Ian Achimore, Santa Ana Watershed Project Authority  
Don Lee, Tetra Tech  
Shane Sibbett, Elsinore Valley Municipal Water District  
Jason Pivovarov, Dopudja & Wells – City of Rialto Consultant  
Stephen Dopudja, Dopudja & Wells – City of Rialto Consultant  
Mallory O'Connor, Western Municipal Water District  
John Harris, City of Redlands  
Chase Cabral, Atkinson SoCal  
Jeff Harig, Wonderware

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

The meeting of the Basin Technical Advisory Committee was called to order by chair Jennifer Ares, at 1:33 p.m. via Zoom and San Bernardino Valley Municipal Water District (SB Valley) Board Room.

**Agenda Item 2. Public Comment.** There was no public comment.

**Agenda Item 3. Approval of Minutes.**

**A. Approval of the February 5, 2024 Regular Meeting.**

Linda Jadeski motioned to approve the minutes, the motion was seconded by Adekunle Ojo. At 1:42 p.m., and Andreea Tanase reminded the chair that a vote for approval was needed. A vote took place, and the minutes were approved.

**Agenda Item 4. Presentations and Reports**

**A. Engineering Subcommittee**

Adekunle Ojo of SB Valley provided a summary on the Engineering Subcommittee meeting that took place May 1, 2024. The meeting included the following topics:

- State Water Project (SWP) Supplies and Deliveries through April 2024
- SWP PFAS Monitoring
- PFAS in the Santa Ana River Watershed

- 2025 Update to the Integrated Regional Urban Water Management Plan (IRUWMP)
- San Bernardino Basin Optimization and Stewardship Program
- Updates to the 2024 BTAC Annual Regional Water Management Report
- Weaver Basins and Enhanced Recharge Phase 1B Updates

Chair Jennifer Ares noted that some requested topics were covered in the Engineering Subcommittee and encouraged everyone to attend future subcommittee meetings.

### **B. Conservation Subcommittee**

Madeline Blua of Yucaipa Valley Water District provided a summary of the Inland Solar Challenge event, where local students participated in racing solar-powered boats that they built. These teams were sponsored by local water districts.

She also provided an update on the latest revisions to the “Making Conservation a California Way of Life.” She covered the water use objective for water agencies. Changes include:

- Anti-backsliding provisions (must be lower than 20 by 2020 target)
- Tree provisions
- Additional reporting requirements

The Urban Water Use Objective Exploration Tool can be used to view how each agency is doing compared to the SBx7-7 targets. Mr. Ojo asked for clarification regarding the anti-backsliding provision. Ms. Blua stated that the 20 by 2020 target was set as the amount that each supplier has to reduce by a certain percentage. If the 20 by 2020 total acre-feet budget is lower than the acre-feet calculated through the objective, then agencies have to meet the lower objective. Ms. Ares noted that this can also be covered in a future agenda or in the Water Wednesday’s meetings if needed.

### **C. SBVMWD Water Delivery Report: April 2024**

Michael Plinski of SB Valley provided an update on SWP deliveries. In April, 1,556 AF were delivered. For groundwater recharge, 318 AF was delivered. Santa Ana River diversions were 5,088 AF. For this calendar year, the planned deliveries are 26,500 AF of direct deliveries, and 44,594 AF of recharge. Mr. Plinski also provided an overview of supply and demand. The estimated total stored and SWP carryover water potentially available in 2025 is up to 24,253 AF, including the 21,246 AF of SWP carryover water that is subject to spill depending on hydrology. Direct deliveries to date total 2,853 AF and recharge deliveries total 8,000 AF.

Mr. Plinski provided a summary of the April 2024 Water Delivery Report:

- Monthly updates on the SWP are continuing to be provided to the Retail Water Agencies within our service area
- DWR increased the SWP Allocation from 15% to 30% in late March and from 30% to 40% in late April; this is likely the final allocation for 2024
- SB Valley Operations staff continues to try and maximize SWP deliveries with the support of the local Retail Water Agencies, Water Conservation District, and San Bernardino County Flood Control

- Recharge of SWP water has been limited by above average hydrology and recharge of local surface water, construction related to Enhanced Recharge 1B, and reduced infiltration rates

Mr. Plinski continued by providing an update on Lake Oroville and San Luis Reservoir conditions.

## **Agenda Item 5. Quick Updates, Reminders, and Announcements**

### **A. SWP Tour and Sites Reservoir Project Update**

Mr. Plinski provided the following summary of the SWP Tour which took place May 29 to May 31:

- Tour Guide: Bart Garcia from MWDSC
- Tour Participants:
  - California State University San Bernardino – Fellows
  - City of Grand Terrace
  - City of San Bernardino – Water Department
  - Fontana Water Company
  - Members of the Public
  - San Geronio Pass Water Agency
  - San Bernardino Valley Municipal Water District
  - San Bernardino Valley Water Conservation District
  - West Valley Water District
  - Yucaipa Valley Water District
- Tour Locations:
  - Sacramento River Weir and Yolo By-Pass
  - Lake Oroville
  - Proposed Sites Reservoir
  - Delta Conveyance Design and Construction Authority
  - ISI – Fish Screen Manufacturer in the Delta
  - Sacramento – San Joaquin Delta
  - Bethany Reservoir
  - Big Break Visitor Center

Mr. Plinski also provided an overview of the benefits of SWP Water and information regarding reliability. SWP Water provides water for 27 million people and 750,000 acres of farmland. Locally, SWP diversifies our water supply portfolio and provides access to surface water that originates in the wettest parts of the State. It provides a supplemental water supply to our region as well as additional storage capacity. Reliability has been going down, but investment in Delta Conveyance and Sites Reservoir can offset some of this.

Regarding Delta Conveyance Project, he showed conceptual design of the tunnel that would be built. He also summarized the cost-effectiveness of the project. Mr. Plinski ended the presentation with a video that shows an overview of the proposed Sites Reservoir project.

T. Milford Harrison, Director at SB Valley added that the tour was insightful, and he is thankful to everyone who was involved.

**B. Consider Approach for 2025 Update to the Integrated Regional Urban Water Management Plan (IRUWMP)**

Mr. Ojo provided a summary of the proposed IRUWMP approach. State law requires urban water agencies that meets certain criteria to prepare an Urban Water Management Plan (UWMP) every five (5) years; planning horizon is the analysis of demand and supplies for the next 25 years. For the 2020 UWMP planning cycle, the update of the IRWMP and RUWMP was combined into the 2020 IRUWMP; this is the first time it was done in California. The next five-year update will be due to the Department of Water Resources (DWR) by July 1, 2026; DWR's Guidebook is pending. Mr. Ojo provided a tentative project timeline, which would begin in August 2024.

He also covered the cost sharing and recommendation overview, including the following highlights:

- Item was discussed at the May 1 BTAC Engineering Subcommittee meeting and there is interest in taking the 2020 regional approach
- In 2020, San Bernardino Valley Board of Directors approved paying 50% of the Regional Section; the balance of the regional cost was divided equally between participants and each agency paid for its own UWMP Chapter
- Cost-effective approach; consistency in data and approach; collaboration
- Next step would be to collaborate on the RFP, especially the Scope of Work

Mr. Plinski added that agencies can let SB Valley know if they don't want to participate.

**Agenda Item 6. Quick Updates, Reminders, and Announcements**

**A. Summary of Changes to the 2024 BTAC Regional Water Management Plan**

Mr. Ojo provided an update of the summary of changes to the BTAC Regional Water Management Plan between the initial plan and the May 2024 revisions, including:

- SWP allocation increased by 30%
- Planned total use of SWP Water increased by 19,559 AF
- Planned SWP carryover storage into 2025 increased by 13,021 AF
- SBB total storage increased by 222,760 AF
- SBB artificial recharge threshold decreased by 223,000 AF because the Basin gained 222,760 AF

Farid I. Boushaki of Riverside Public Utilities asked if there is GIS information regarding the change in storage report. Mr. Ojo stated he will contact the SB Valley GIS program manager.

**B. Quarterly Groundwater Management Update**



Mr. Ojo and Mr. Plinski provided the following updates:

- Rialto-Colton Basin
  - Average Spring High Water Levels (1961 Rialto Decree)
  - Recharge at Cactus Basins
  
- San Bernardino Basin
  - Weaver Basins and Enhanced Recharge Phase 1B
  - Santa Ana River Diversions
  - Imported Water Recharge
  
- Yucaipa Basin
  - Calimesa Management Zone (County Line Recharge Project)

**Agenda Item 7. Old Business, Other Business and Future Agenda Items.**

Mr. Ojo stated that the BTAC Monthly Statement is still in progress and may be combined with the Monthly SWP Update. Also, he noted that there is a groundwater dashboard available on the SB Valley website.

Ian Achimore of SAWPA asked about the Integrated Model update. Mr. Plinski stated that the Water Conservation District is currently working on it, with participation from SB Valley. Additionally, Mr.Plinski added the City of SB Water Department also has a need to make enhancements to the Bunker Hill Area, specifically looking to making enhancements to the Model relating to the Muscoy/Newmark Plume. Mr.Plinski noted, ultimately SB Valley and Western have an interest in updating and refining the Model.

**Agenda Item 8. Adjourn – The Next Regular Meeting will take place August 5, 2024 @ 1:30 p.m.**

Chair Jennifer Ares adjourned the meeting at 2:59 P.M.

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

Andreea Tanase  
SBVMWD Administrative  
Analyst I



**San Bernardino Valley  
Water Conservation District**

Helping Nature Store Our Water



# SBVMWD SBVWCD Partnership Agreement for Active Recharge

BTAC

June 3, 2019

# Partnership Agreement

- \* Major Principles

- \* Based on pooling our unique resources and experience demonstrated under the existing agreements and Groundwater Council
  - \* SBVWCD makes available up to 295 acres of Conservation Easement for Endangered Species Mitigation toward SBVMWD and River HCP projects needs.
  - \* SBVMWD provides funding (\$37 million) for the Conservation Easements and other costs to mitigate River HCP Projects.
  - \* SBVWCD dedicates the revenue from the Conservation Easements to planning and implementation of Active Recharge projects

# Partnership Agreement Benefits

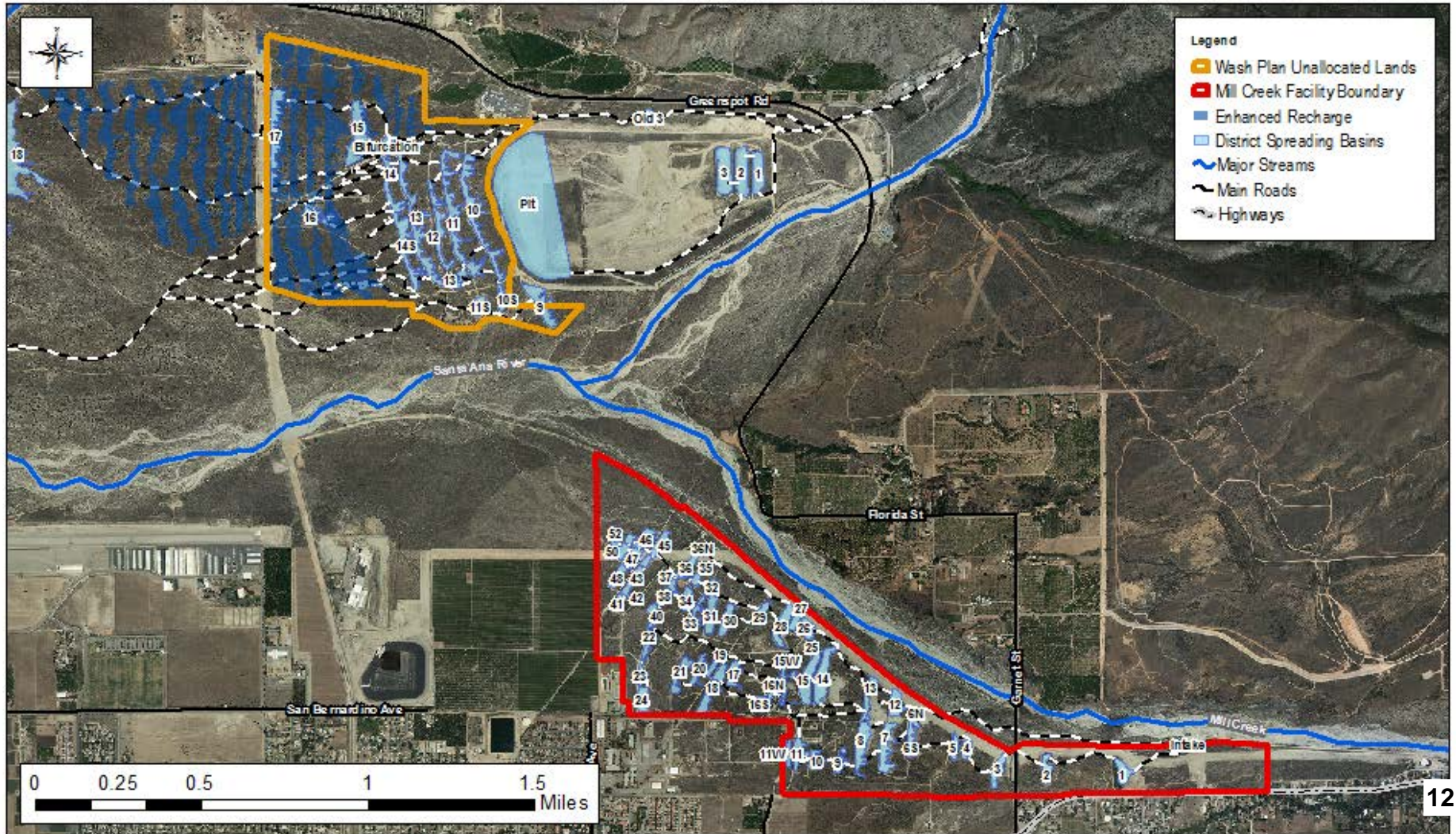
## SBVMWD and River HCP

- \* Obtains needed mitigation/conservation for River HCP Projects permitting ~70,000 afy
- \* Cost savings and reduced delay compared to other mitigation options
- \* Costs also return Basin Recharge Benefits
- \* Further develops partnership and operating efficiencies

## SBVWCD and Conservation Trust

- \* Utilizes District Resources for Revenue
- \* Revenue supports Planning and Implementation of Active Recharge projects Benefits
- \* Conservation Trust becomes more efficient to region
- \* Further develops partnership and operating efficiencies

# Unallocated Available Habitat Areas



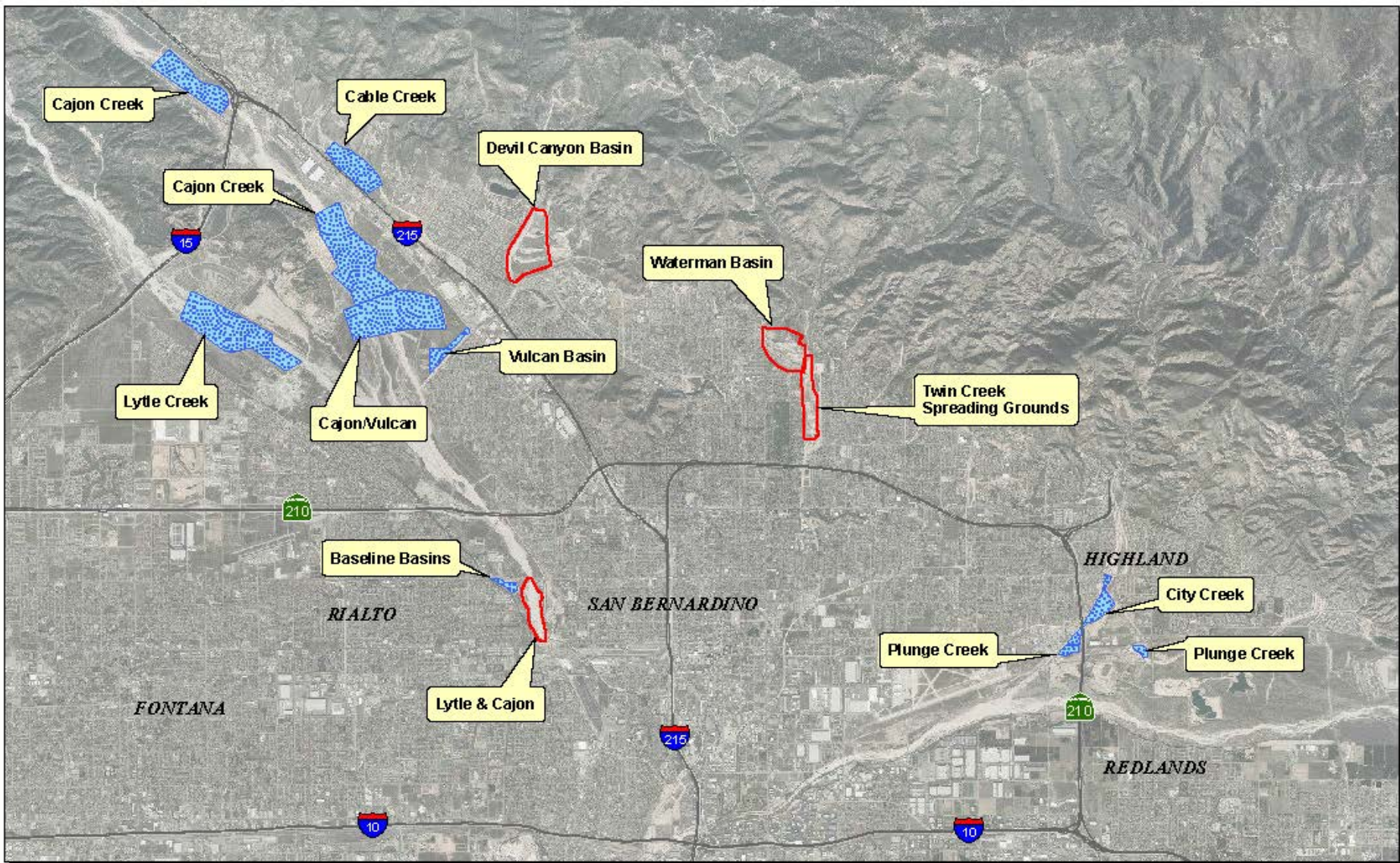
# 1969 Western Judgment “New Conservation”

Section IV (i): New Conservation – Any increase in replenishment from natural precipitation which results from operation of works and facilities not now in existence, other than those works installed and operations which may be initiated to offset losses caused by increased flood control channelization.

Section VI (b) 2.: In order that the annual adjusted right of each such Plaintiff shall include its same respective percentage of any *new conservation*, such Plaintiff shall pay its proportionate share of the costs thereof. ... Each Plaintiff shall make its payment at times satisfactory to the constructing agency, and *new conservation* shall be credited to any participating Plaintiff as such conservation is effected.

# Active Recharge Project

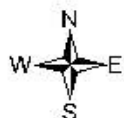
- \* Construct new and re-operate existing facilities to capture and infiltrate stormwater in the tributaries of the Santa Ana River.
- \* Feasibility evaluation includes 8 new sites and 6 existing basins for modifications and re-operation.
- \* Estimated up to an annual average of 35,000 AF of stormwater capture when fully implemented.
- \* Riverside entities have contributed \$122,600 (27.95%) out of the total expenditures of \$438,700 to-date.




Document Path: Y:\2013\144\_Active Recharge Project\Proposed Basins\811.mxd

Updated: 1/27/2015

### Active Recharge Project



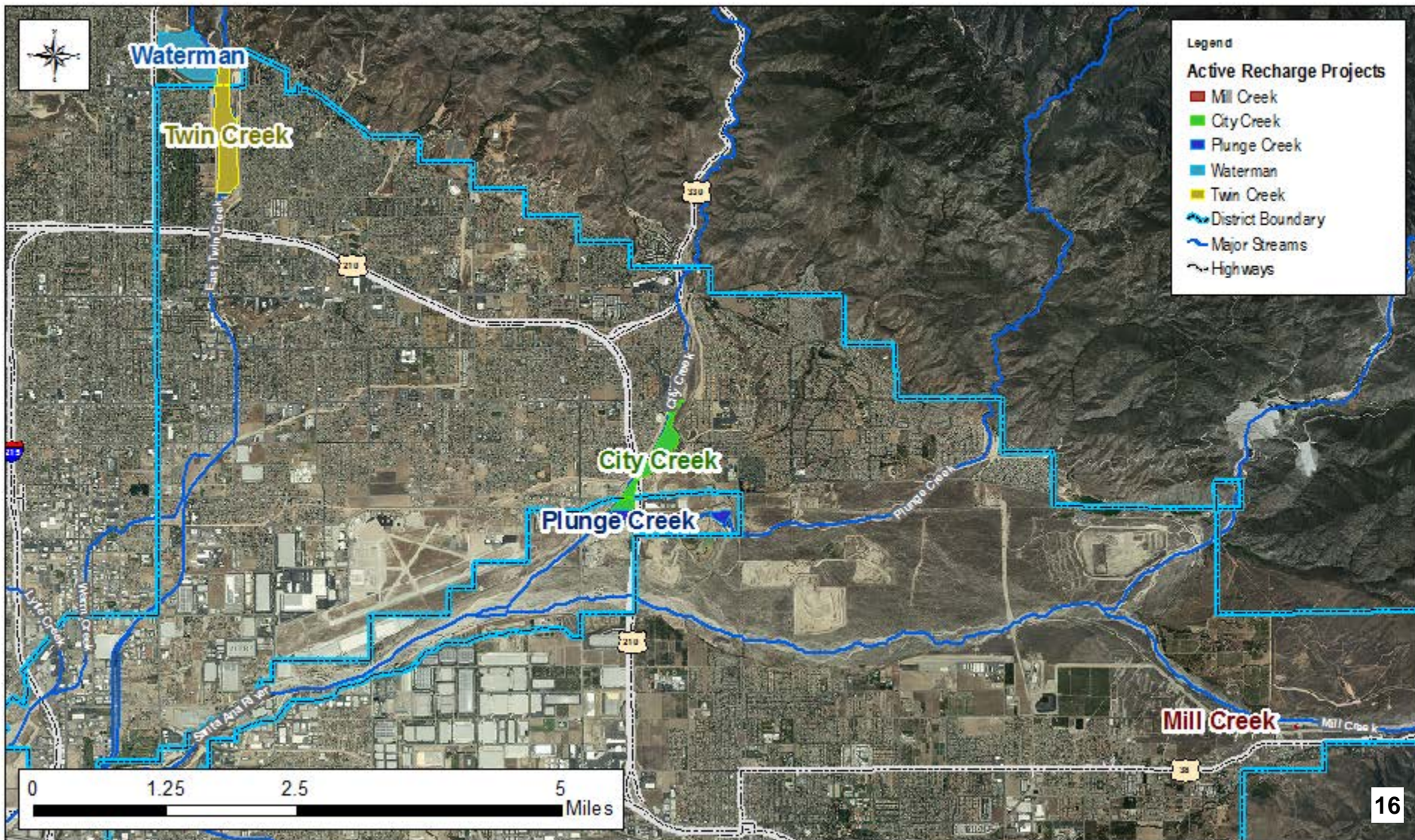
-  Potential New Recharge Basin
-  Proposed Modifications in Existing Basin



Source: SBVMWD, SBCOFCD, Aerial Imagery Date: Feb., 2012



# Conceptual Active Recharge Projects



# Agreement Provisions

- \* Conceptual Active Recharge Projects Transferred
  - \* Plunge Creek Basins 1 and 2 - construction and operations
  - \* City Creek Basins - construction and operations
  - \* Waterman Basin reconstruction and maintenance
  - \* Twin Creek Basin repairs and maintenance
  - \* Mill Creek Diversion expansion construction and operations
- \* Joint Policy Committee to ensure the projects are coordinated, financially viable, funded and implemented
- \* SBVWCD supports SBVMWD seat on the SBVCT
- \* Cooperate on SWRCB Diversion location changes and SB LAFCO actions as needed
- \* SBVWCD commits to operate facilities when completed

# Groundwater and Regional Benefits

- \* Higher level of cooperation in planning, design and permitting recharge projects, leading to higher groundwater levels
- \* Lower costs in project development and operations for all River HCP projects which improve water management
- \* Consolidated management for Wash Plan habitat provides better biological values and cost efficiency

# Partnership Agreement Status

- \* Effective date of January 8, 2019
- \* Due diligence period ended May 2019
- \* First payment (\$18.4 million) due June 2019
- \* Second payment (\$18.4 million) due NLT 2022
- \* PA Policy Committee to be established soon
  - \* GMs and one Boardmember from each District
  - \* One SB Basin Groundwater Council Member

**PART 1: Regional Context**, contains the information needed to meet the requirements of the IRWM Planning Act and a portion of the UWMP Act requirements

**Part 2: Individual Agency UWMP and WSCP**, contains the supplementary information for the agencies using the Plan to meet their UWMP requirements

### CONTENT (Regional-Level)

- 1) **Introduction** (incl. Regional Governance and Stakeholder Involvement)
- 2) **Region Description** (incl. Population and Demographics, Land Uses, Ecological Resources, and Regional Climate)
- 3) **Regional Water Sources and Management** (incl. Groundwater, Surface Water, Stormwater, Water Quality, etc.)
- 4) **Regional Water Use**
- 5) **Comparison of Regional Supplies and Demands**
- 6) **Water Management Goals, Objectives, and Strategies** (incl. Regional Needs Identification)
- 7) Projects
- 8) Implementation, Performance & Adaptive Management

### CONTENT OF EACH CHAPTER (Agency-Level)

- 1) System Description and Service Area
- 2) Water Use by Sector (incl. Climate Change Considerations)
- 3) Compliance with State Targets
- 4) Water Supply (incl. Existing and Planned)
- 5) Water Service Reliability Assessment
- 6) Drought Risk Assessment
- 7) Water Shortage Contingency Plan
- 8) Demand Management Measures

### PLAN PARTICIPANTS\*

All UWMP Agencies  
[San Bernardino Valley Water Conservation District](#)  
[San Bernardino Valley Flood Control District](#)  
[San Gorgonio Pass Water Agency](#)  
Other Stakeholders (e.g. Fontana Water Company, Riverside Public Utilities, etc.)

### AGENCIES\*

1. [San Bernardino Valley Municipal Water District](#)
2. [City of Colton](#)
3. [City of Loma Linda](#)
4. [City of Redlands](#)
5. [City of Rialto](#)
6. [East Valley Water District](#)
7. [Riverside Highland Water Company](#)
8. [San Bernardino Municipal Water Department](#)
9. [South Mesa Water Company](#)
10. [West Valley Water District](#)
11. [Yucaipa Valley Water District](#)

*\*Agencies in blue have confirmed participation in the 2025 Update*

# Tentative Project Timeline



# Next Steps



RFP will be circulated for review by Plan Participants prior to Release



RFP Released by August 15, 2024; proposals due date is tentatively Sept. 30



Selection Committee review Proposals in October; interviews may be scheduled



Agreement in November – December to allow for a January/February Kickoff



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**DATE:** August 5, 2024  
**TO:** Basin Technical Advisory Committee (BTAC)  
**FROM:** Adekunle Ojo, Manager of Integrative Planning  
**SUBJECT:** Appointment of a BTAC Representative to the Partnership Agreement Policy Committee for the Program for the Expansion of Recharge Capacity (PERC)

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**Recommendation**

Appoint a BTAC Representative to the Policy Committee

**Summary**

On January 8, 2019, the San Bernardino Valley Board of Directors approved the Partnership Agreement with Conservation District for Joint Active Recharge Project Development under the Upper Santa Ana River Habitat Conservation Plan (“River HCP”). The agreement created an important partnership between the two agencies, providing conservation easements on Conservation District-owned lands to satisfy anticipated habitat mitigation requirements for the River HCP in exchange for funds dedicated to development of additional stormwater capture and groundwater recharge in accordance with the Conservation District’s mission. The agreement specified certain planned Active Recharge Projects to be transferred from San Bernardino Valley to Conservation District for analysis, design, and construction, and recognized the ability of Conservation District to utilize the conservation easement funds for related land acquisitions, water quality or supply facilities development, and 52 other related projects with similar benefits within the jurisdictional boundaries of at least one of the two parties.

The Projects transferred as part of the Agreement were initially termed the Active Recharge Transfer Projects (ARTP) and are now rebranded as the Program for the Expansion of Recharge Capacity (PERC). The original five-year agreement term was set to expire in January 2024. The First Amendment to extend its term for 5 years to January 2029 was approved by both Boards in December 2023.

Under the Agreement, the parties formed a “Partnership Agreement Policy Committee,” which comprised of the general managers and one Board appointed member of both agencies, or their designees, and one representative of the San Bernardino Basin Groundwater Council. Given the



Groundwater Council was not extended beyond its original five-year and a one-year extension term, at a meeting on June 4, 2024, the Partnership Agreement Policy Committee determined that the member originally to be appointed by the Groundwater Council should instead be appointed by the Basin Technical Advisory Committee, which will continue in existence beyond the tenure of the Groundwater Council. At the [July 9, 2024 San Bernardino Valley's Board of Directors' Workshop](#), the Board approved the second amendment to the Partnership Agreement to make the change effective.