



**SAN BERNARDINO
VALLEY** | A REGIONAL WATER
AGENCY SINCE 1954

AGENDA

SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT

380 E. Vanderbilt Way, San Bernardino, CA 92408

REGULAR MEETING OF THE BOARD OF DIRECTORS

2:00 PM Tuesday, August 4, 2026

ZOOM INFORMATION

Online: <https://sbvmwd.zoom.us/j/83910934313>

Telephone: (877) 853-5247 US Toll-free

Meeting ID: 839 1093 4313

PASSCODE: 3802026

If you are unable to participate online or by telephone, you may submit your comments and questions in writing for Board consideration by emailing 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 no later than 6 p.m. the day prior to the meeting. All public comments will be provided to the Board President and may be read into the record or compiled as part of the record.

IMPORTANT PRIVACY NOTE: Online participants MUST log in with a Zoom account. The Zoom app is a free download. Please keep in mind: (1) This is a public meeting; as such, the virtual meeting information is published on the World Wide Web and available to everyone. (2) Should you participate remotely via telephone, your telephone number will be your identifier during the meeting and available to all meeting participants; there is no way to protect your privacy if you elect to call in to the meeting.

CALL TO ORDER/PLEDGE OF ALLEGIANCE/ROLL CALL

1) PUBLIC COMMENT

Members of the public may address the Board regarding any item within the subject matter jurisdiction of the Board; however, no action may be taken on off-agenda items except as authorized by law. Each speaker is limited to a maximum of three (3) minutes.

2) DISCUSSION AND POSSIBLE ACTION ITEMS

- 2.1 Consider a State Water Project Water Transfer from Crestline - Lake Arrowhead Water Agency for Up To 2,000 Acre-Feet (20 min) - Page 3

[Staff Memo - Consider State Water Project Water Transfer from Crestline - Lake Arrowhead Water Agency for Up To 2,000 Acre-Feet](#)

[Long-Term Water Transfer Package Agreement between Crestline - Lake Arrowhead Water](#)

[Agency and San Bernardino Valley Municipal Water District](#)

- 2.2 Consider the Joint Funding Agreements for the Fiscal Year 2026-2027 Cooperative Program with the United States Geological Survey (20 min) - Page 22

[Staff Memo - Consider the Joint Funding Agreements for the Fiscal Year 2026-2027 Cooperative Programs with the United States Geological Survey \(USGS\)](#)

[Attachment 1. JFA for Hydrologic Data Collection Program \(27ZGJFA22000053\)](#)

[Attachment 2. JFA for Water Resources Investigations \(22ZGJFA21000008\)](#)

[Attachment 3. JFA for USGS California Water Science Center \(26ZGJFA08000074\)](#)

[Attachment 4. Native Fish Survey: 3-Year Proposal](#)

[Attachment 5. USGS Costs for FY 26-27 Watermaster Data Collection Services](#)

3) REPORTS (Discussion and Possible Action)

- 3.1 State Water Project Update(15 min) - Page 73

[Staff Memo - State Water Project Update](#)

- 3.2 Directors' Report of Activities and Travel Requests in accordance with Resolution 1100

- 3.3 General Counsel Report

- 3.4 Treasurer's Report (5 min) - Page 74

[Treasurer's Report - June 2026](#)

- 3.5 Ad-Hoc and Standing Committee Reports

- 3.6 SAWPA Meeting Report

4) FUTURE BUSINESS

5) ANNOUNCEMENTS

- 5.1 List of Announcements (2 min) - Page 83

[List of Announcements](#)

6) CLOSED SESSION

7) ADJOURNMENT

DATE: August 4, 2026

TO: Board of Directors

FROM: Michael Plinski, Chief of Water Resources

SUBJECT: Consider State Water Project Water Transfer from Crestline - Lake Arrowhead Water Agency for Up To 2,000 Acre-Feet

Staff Recommendation

Direct the CEO/General Manager to proceed with a 2026 State Water Project water transfer from the Crestline - Lake Arrowhead Water Agency to San Bernardino Valley Municipal Water District for up to 2,000 acre-feet.

Summary

In April 2025, San Bernardino Valley and Crestline - Lake Arrowhead Water Agency (CLAWA) entered into a long-term agreement to maximize the efficient use of water delivered through the State Water Project (SWP) for the benefit of both agencies and their respective service areas.

Earlier this year, CLAWA inquired about San Bernardino Valley's ability to receive up to 2,000 acre-feet of SWP water during 2026. Although the Department of Water Resources (DWR) has established a 45% SWP allocation for 2026, equating to approximately 46,170 acre-feet for San Bernardino Valley's service area, available imported supplies have not been sufficient to meet direct delivery demands, planned 2027 carryover, and all requested groundwater recharge deliveries. As a result, San Bernardino Valley placed approximately 9,000 acre-feet of recharge requests on hold during the current calendar year.

In July, DWR informed San Bernardino Valley that 374 acre-feet of Yuba Accord water would be available for its service area, leaving a substantial shortfall in meeting regional recharge demands. Consequently, when the CLAWA Board of Directors declared surplus SWP water available earlier this month, San Bernardino Valley expressed interest in receiving up to 2,000 acre-feet under the agencies' existing long-term transfer agreement.

Background

San Bernardino Valley and CLAWA are both State Water Contractors and have a long history of working cooperatively to manage their respective SWP water supplies. Through their individual Water Supply Contracts with DWR, each agency receives imported water from the State Water Project.

To improve operational flexibility and enhance regional water supply reliability, San Bernardino Valley and CLAWA executed a long-term water transfer agreement in April 2025. The agreement provides a framework for non-permanent transfers of CLAWA's SWP water to San Bernardino Valley when feasible, as well as the future return of comparable quantities of SWP water to CLAWA when requested, provided such returns do not adversely affect San Bernardino Valley's operations or its ability to serve customers.

The agreement has already proven beneficial to both agencies. In 2025, CLAWA transferred 5,000 acre-feet of SWP water to San Bernardino Valley, and San Bernardino Valley subsequently returned approximately 153 acre-feet to CLAWA during that year. Through June 2026, CLAWA has requested the return of 38 acre-feet of SWP water.

Approval of this transfer will help maximize the beneficial use of available SWP supplies, support regional groundwater recharge efforts in 2026, and further the cooperative partnership established between the two agencies.

District Strategic Plan Application

This item is consistent with San Bernardino Valley's desire to work collaboratively to proactively manage a diverse, adaptable water supply portfolio to maximize the value of the region's water assets.

Fiscal Impact

There is no fiscal impact associated with this proposed transfer of up to 2,000 acre-feet of SWP water from CLAWA to San Bernardino Valley in 2026.

Attachment

Long-Term Water Transfer Package Agreement between Crestline - Lake Arrowhead Water Agency and San Bernardino Valley Municipal Water District

LONG TERM WATER TRANSFER PACKAGE AGREEMENT BETWEEN
CRESTLINE-LAKE ARROWHEAD WATER AGENCY AND SAN
BERNARDINO VALLEY MUNICIPAL WATER DISTRICT

This Long Term Water Transfer Package Agreement ("Agreement") is effective as of April 3, 2025, between the Crestline-Lake Arrowhead Water Agency ("CLAWA"), and San Bernardino Valley Municipal Water District ("SBVMWD"), sometimes hereafter collectively called "Parties" or individually called "Party."

RECITALS

A. CLAWA and SBVMWD are both State Water Contractors having access to imported water supplies through the California State Water Resources Development System ("State Water Project" or "SWP"). CLAWA and SBVMWD are each entitled to receive water from the SWP as set forth in their respective Water Supply Contracts with the California Department of Water Resources ("DWR"). This water may consist of annual allocations based upon their Table A Amounts, or carryover water as set forth in Article 56(c) of their Water Supply Contracts, or water occasionally made available to them as set forth in Article 21 of their Water Supply Contracts (collectively, "SWP Water").

B. CLAWA and SBVMWD have a long history of cooperation to maximize the prudent management of their respective SWP Water supplies.

C. In order for CLAWA and SBVMWD to better manage their SWP Water and increase water reliability to help meet water demands within their service areas, CLAWA and SBVMWD wish to enter into this long-term Agreement involving non-permanent transfers of portions of CLAWA's SWP Water to SBVMWD, when CLAWA is able to transfer such water, and SBVMWD's SWP Water to CLAWA when CLAWA is able to take such water and when doing so will not adversely impact SBVMWD's own operations or service to its own constituents.

D. The purpose of this Agreement is to maximize the efficient use of water delivered through SWP facilities for the benefit of CLAWA and SBVMWD, according to the terms hereafter set forth.

TERMS OF AGREEMENT

1. Term. This Agreement shall have an initial term of fifteen (15) years; provided, however, that either Party may, upon twelve (12) months written notice, terminate this Agreement effective at any time after the initial ten (10) years. Upon expiration of the initial term, or upon receipt of such notice of termination, CLAWA shall not thereafter provide for the transfer of any portion of CLAWA's SWP Water to SBVMWD under this Agreement, and SBVMWD shall coordinate with CLAWA in good faith to transfer to CLAWA all of the SBVMWD SWP Water then due to be transferred to CLAWA as provided in this Agreement. Notwithstanding the preceding, if all of the water remaining to be transferred by SBVMWD to CLAWA as provided in this Agreement, up to 8,000 acre-feet, has not been transferred by the end of the term, then the term of this Agreement shall be extended solely for the purpose of completing such transfers by SBVMWD to CLAWA through the earlier of: (a) five (5) additional years; or (b) until all of the

water remaining to be transferred by SBVMWD to CLAWA as provided in this Agreement has been transferred. For clarity, all obligations of SBVMWD to transfer water to CLAWA under this Agreement shall expire no later than the end of the additional five-year period.

2. Quantities to be Transferred. During the term of this Agreement, and any extension thereof, CLAWA may transfer to SBVMWD in any year such portion of CLAWA's SWP Water as SBVMWD determines in its own discretion that it is able to accept for delivery in that year, for subsequent use by SBVMWD within its service area. At any time thereafter during the term of this Agreement CLAWA shall have the right to take back from SBVMWD, via transfer, a quantity of SBVMWD's SWP Water equal to one-half (50%) of CLAWA's SWP Water that CLAWA previously transferred to SBVMWD under this Agreement, as CLAWA may determine, provided that: (a) SBVMWD's SWP Water transferred to CLAWA shall not exceed 800 acre feet in any year unless approved by SBVMWD; and (b) in the event that SBVMWD's Table A allocation is less than forty percent (40%) during the year that it is requested by CLAWA, SBVMWD shall have the right to deny the requested transfer of SBVMWD's SWP Water to CLAWA in that year or limit the quantity to be transferred to CLAWA in that year, as SBVMWD determines in its own discretion in order to protect its own operations or the quantity of water available to its own constituents within SBVMWD's service area. The Parties further agree that the quantity of SBVMWD's SWP Water that SBVMWD remains obligated to transfer to CLAWA under this Agreement, as a result of previous transfers of CLAWA's SWP Water to SBVMWD under this Agreement, shall not exceed 8,000 acre-feet at any time during the term of this Agreement; and (b) nothing in this Agreement shall be interpreted to be a permanent transfer of either Party's contracted Table A Amount under its Water Supply Contract with DWR.

3. Schedule and Delivery. By December 1 of each year during the term of this Agreement, CLAWA will notify SBVMWD of the quantity of CLAWA's SWP Water, if any, that CLAWA anticipates transferring to SBVMWD in the next subsequent calendar year pursuant to this Agreement. CLAWA may thereafter adjust the quantity of CLAWA's SWP Water that CLAWA anticipates transferring to SBVMWD in the next subsequent year, subject to approval by both SBVMWD and DWR. SBVMWD will make good faith efforts to take the water transferred by CLAWA, but may decline the water or accept only a reduced quantity, in its sole discretion, based upon facility constraints or other factors. CLAWA shall coordinate with SBVMWD in scheduling with DWR the delivery of CLAWA's SWP Water in any year. By December 1 of each year, CLAWA will also notify SBVMWD of the quantity of SBVMWD's SWP Water that CLAWA requests to be transferred from SBVMWD to CLAWA in the next subsequent calendar year, subject to the limits set forth in this Agreement and the agreement(s) with DWR for the transfer of SBVMWD's SWP Water to CLAWA. CLAWA may revise this quantity thereafter as needed to accommodate its own constraints and demands within its own service area. The scheduling of such deliveries shall be subject to approval by DWR, which may reject proposed deliveries as necessary to prevent harm to any other SWP contractor or to DWR's operation of SWP facilities.

4. Points of Delivery and SWP Charges. The Parties anticipate the delivery of CLAWA's SWP Water to SBVMWD at a SBVMWD SWP turnout to be designated by SBVMWD. CLAWA anticipates the delivery of SBVMWD's SWP Water to a CLAWA turnout to be designated by CLAWA. Each Party shall be responsible for charges related to the cost of delivering water to that Party at its designated point of delivery. Each Party shall have the right to

change the point of delivery for the water it receives under this Agreement, without approval by the other Party, but subject to approval by DWR.

5. Running Account. Each Party shall keep its own record of (a) the quantity of CLAWA's SWP Water delivered to SBVMWD under this Agreement; (b) the quantity of SBVMWD's SWP Water delivered to CLAWA under this Agreement; and (c) the remaining balance of SBVMWD's SWP Water to be transferred to CLAWA under this Agreement. The balance of SBVMWD's SWP Water to be delivered to CLAWA shall not exceed 8,000 acre feet at any time under this Agreement. Each Party shall annually reconcile its own records with the records maintained by the other Party and with DWR's records of transfers by one Party to the other, to ensure continuing accuracy.

6. CEQA. This Agreement shall be conditional upon compliance with the California Environmental Quality Act ("CEQA"). CLAWA shall be the lead agency for purposes of such compliance, and SBVMWD shall be a responsible agency.

7. Applicable Law, Venue and Disputes. This Agreement shall be construed and enforced according to California law. In the unlikely event of litigation over this Agreement, the venue for such action shall be the County of San Bernardino. However, the Parties agree to use all good faith efforts to resolve any disagreements over the interpretation or application of this Agreement amicably, through discussion and in the interest of their history of mutual cooperation.

8. Transaction Costs. CLAWA and SBVMWD shall each be responsible for its own legal and other costs incurred in the preparation, review and implementation of this Agreement, and for compliance with the requirements of CEQA.

9. Agreement with DWR. CLAWA and SBVMWD acknowledge that it will also be necessary for them to sign an additional agreement, or agreements, to be prepared by DWR to implement the transfer package described in this Agreement. CLAWA and SBVMWD each agrees to cooperate with DWR and with each other in the preparation, review and execution of such agreement(s) with DWR, and with the processing of such other approvals as may be necessary to effect the transfers described herein. CLAWA will be responsible for payment of any charges imposed by DWR for the preparation and processing of the agreement(s) with DWR, and for the preparation and processing of such other approvals as may be necessary to effect the transfers described herein.

10. Costs of Defense. In the event of any legal action by a third party to challenge this Agreement and/or the transfers described herein, CLAWA and SBVMWD agree to cooperate in the defense thereof and to share equally in the costs of such defense, utilizing counsel mutually acceptable to the Parties.

11. Force Majeure. In the event that an act of God or other unavoidable expense renders the performance of this Agreement impossible or infeasible, the Parties shall be excused from the performance thereof, with corresponding monetary payments by one Party to the other as may be necessary to achieve financial equity as between the Parties for that portion of the Agreement that cannot be performed; provided, however, that CLAWA and SBVMWD shall first coordinate with

DWR to determine whether alternative performance may be possible pursuant to an alternate schedule for completion of performance.

12. No Effect on Other Agreements. Nothing in this Agreement shall be interpreted to alter or affect such other agreements as may have been executed between the Parties in this past, or may be executed between them in the future.

13. Revisions to Agreement. This Agreement may only be revised or amended by further written agreement and signed by both Parties. The Parties shall provide DWR with written notice of any such revision or amendment, and shall seek DWR's prior approval if required by DWR.

14. Authority. The undersigned representatives of CLAWA and SBVMWD hereby represent that they are authorized to execute this Agreement for the Party on whose behalf this Agreement is executed.

Executed on the dates set forth below.

CRESTLINE-LAKE ARROWHEAD WATER AGENCY

By: 
Jennifer Spindler, General Manager

Date: April 3, 2025

SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT

By: 
Heather Dyer, CEO/General Manager

Date: 4/8/2025

DEPARTMENT OF WATER RESOURCES

P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



9/19/2025

Ms. Jennifer Spindler
General Manager
Crestline-Lake Arrowhead Water Agency
Post Office Box 3880
Crestline, California 92325-3880

Ms. Heather Dyer
CEO/General Manager
San Bernardino Valley Municipal Water District
380 East Vanderbilt Way
San Bernardino, California 92408-3593

Subject: Transfer of Crestline-Lake Arrowhead Water Agency's State Water Project Article 56 Carryover Water to San Bernardino Valley Municipal Water District (SWP #25035)

This Letter Agreement, SWP #25035 (Agreement), is in response to Crestline-Lake Arrowhead Water Agency's (Crestline's) request, dated September 3, 2025, to the Department of Water Resources of the State of California (DWR) for approval to transfer 360 acre-feet of Crestline's State Water Project (SWP) Article 56 Carryover Water stored in San Luis Reservoir (Crestline's Article 56 Carryover Water) to San Bernardino Valley Municipal Water District (San Bernardino) in 2025, pursuant to Article 56(c)(4) of Crestline's and San Bernardino's respective Water Supply Contracts. Delivery of Crestline's Article 56 Carryover Water to San Bernardino pursuant to this Agreement shall be completed by December 31, 2025. DWR, Crestline, and San Bernardino may be referred to individually as "Party" or collectively as "Parties."

On April 8, 2025, Crestline and San Bernardino entered into a "Long Term Water Transfer Package Agreement Between Crestline-Lake Arrowhead Water Agency and San Bernardino Valley Municipal Water District" (Crestline/San Bernardino Agreement). The Crestline/San Bernardino Agreement contains provisions governing the terms and conditions for (i) the transfer of Crestline's SWP supplies to San Bernardino, and (ii) the subsequent transfer of San Bernardino's SWP supplies to Crestline, in the amount of up to 50 percent of the quantity of SWP supplies transferred from Crestline to San Bernardino. The Crestline/San Bernardino Agreement is effective through early 2040 with the possibility of an extension for up to 5 additional years.

This Agreement, SWP #25035, covers the transfer and delivery of 360 acre-feet of

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Crestline's Article 56 Carryover Water to San Bernardino in 2025. This Agreement does not cover any other transfers contemplated in the Crestline/San Bernardino Agreement, and Crestline and San Bernardino will need to request and obtain a separate DWR approval(s) for such other transfers.

San Bernardino has confirmed in writing to DWR its need for the transferred Article 56 Carryover Water in 2025 and San Bernardino will take delivery of this water in 2025, in compliance with Article 56(c)(4)(iv) of San Bernardino's Water Supply Contract. In addition, Crestline and San Bernardino confirm that the transfer under this Agreement satisfies the criteria in Article 57(d) and Article 57(g) of Crestline's and San Bernardino's respective Water Supply Contracts. Crestline and San Bernardino have provided supporting documentation to DWR demonstrating compliance with Article 57(g), which DWR has considered in approving the transfer request.

In compliance with the California Environmental Quality Act (CEQA), Crestline, as the lead agency, prepared and approved an Initial Study and Negative Declaration (IS/ND) to address the environmental consequences of the proposed multi-year water transfer program between Crestline and San Bernardino pursuant to the Crestline/San Bernardino Agreement, concluding that the proposed project would not have a significant impact on the environment. Crestline filed a Notice of Determination (NOD) with the State Clearinghouse (SCH) on April 9, 2025 (SCH #2025011067). DWR, as a responsible agency under CEQA, has reviewed the IS/ND and considered the environmental effects of the project prior to reaching its decision to approve this Agreement. DWR will file a NOD with the SCH upon execution of this Agreement.

Crestline and San Bernardino agree that execution of this Agreement will result in transferring, upon the Effective Date of this Agreement, 360 acre-feet of Crestline's Article 56 Carryover Water stored in San Luis Reservoir to San Bernardino for delivery by December 31, 2025 to San Bernardino's service area, under the following terms and conditions:

TERM

1. This Agreement shall be effective as of January 15, 2025 (Effective Date), and shall terminate on December 31, 2025, or upon final payments to DWR of all costs attributable to this Agreement, whichever occurs later. However, the liability, hold harmless and indemnification obligations in this Agreement shall remain in effect until the expiration of the applicable statute of limitations, or until any claim or litigation concerning this Agreement asserted to any of the Parties within the applicable statute of limitations is finally resolved, whichever occurs later.

UNIQUENESS OF AGREEMENT

2. DWR's approval under this Agreement to transfer and deliver Crestline's Article 56 Carryover Water to San Bernardino is unique and shall not be considered a precedent for future agreements or DWR activities.

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APPROVALS

3. The transfer and delivery of water under this Agreement shall be contingent upon, and subject to any necessary approvals and shall be governed by the terms and conditions of such approvals and any other applicable legal requirements. Crestline and San Bernardino shall be responsible for complying with all applicable laws and legal requirements and for securing any required consent, approvals, permit, or orders. Crestline and San Bernardino shall furnish to DWR copies of all approvals and agreements required for the transfer and delivery of water under this Agreement.

TRANSFER OF CRESTLINE'S ARTICLE 56 CARRYOVER WATER TO SAN BERNARDINO

4. Upon the Effective Date of this Agreement, DWR will transfer 360 acre-feet of Article 56 Carryover Water from Crestline's storage balance in San Luis Reservoir to San Bernardino's storage balance for delivery to San Bernardino in 2025. The transfer will occur by means of a recalculation of Crestline's and San Bernardino's respective Article 56 Carryover Water storage balances in San Luis Reservoir. DWR's recalculation will show a 360 acre-foot increase in San Bernardino's total Article 56 Carryover Water storage balance and a 360 acre-foot decrease in Crestline's total Article 56 Carryover Water storage balance.

DELIVERY OF CRESTLINE'S ARTICLE 56 CARRYOVER WATER TO SAN BERNARDINO

5. DWR will deliver 360 acre-feet of Article 56 Carryover Water acquired by San Bernardino from Crestline under this Agreement from San Luis Reservoir to San Bernardino's turnout(s) located on the California Aqueduct and/or the California Aqueduct's East Branch Extension by December 31, 2025, and San Bernardino shall take delivery of this Article 56 Carryover Water for use in San Bernardino's service area.
6. San Bernardino recognizes that, in the event San Luis Reservoir becomes full, San Bernardino's Article 56 Carryover Water in San Luis Reservoir, including the water acquired under this Agreement and not yet delivered to San Bernardino's service area, will be displaced in accordance with Article 56(c)(3) of San Bernardino's Water Supply Contract.
7. Crestline and San Bernardino agree that any water not delivered to San Bernardino's service area under this Agreement by December 31, 2025 will be forfeited and will convert to SWP Project Water owned by DWR on January 1, 2026, unless an exception is approved by DWR pursuant to Article 56(c)(4)(v) of Crestline's and San Bernardino's Water Supply Contracts.

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8. The delivery of water to San Bernardino under this Agreement shall be in accordance with schedules reviewed and approved by DWR. DWR's approval for this delivery is dependent upon the times and amounts of the delivery and the overall delivery capability of the SWP. DWR shall not be obligated to deliver the water at times when such delivery would adversely impact SWP operations, facilities, or other SWP contractors.
9. The sum of deliveries scheduled to San Bernardino under this Agreement, plus scheduled San Bernardino SWP water deliveries, plus deliveries to San Bernardino under any other agreements, shall not exceed the quantities on which the Proportionate Use-of-Facilities factors are based under San Bernardino's Water Supply Contract with DWR unless DWR determines that deliveries will not adversely impact SWP operations, facilities, or other SWP contractors.

WATER DELIVERY SCHEDULES

10. All water delivery schedules and revisions shall be in accordance with Article 12 of San Bernardino's Water Supply Contract with DWR.
11. San Bernardino shall submit monthly water delivery schedules and revised monthly schedules, if any, for approval to the Division of Operation and Maintenance, Office of the Division Manager, Water Deliveries Reporting Unit, indicating timing and point of delivery requested under this Agreement with reference to SWP #25035. Monthly schedules shall be sent by electronic mail to SWP-SWDS@water.ca.gov.
12. San Bernardino shall send weekly water delivery schedules, indicating timing and point of delivery requested with reference to SWP #25035, by electronic mail by 10:00 am, Wednesday, for the following week, Monday through Sunday to the following:
 - a. Office of the Division Manager
 Water Operation Scheduling Section
 Water_deliv_sched@water.ca.gov
 - b. Office of the Division Manager
 Power Management and Optimization Section
 POCOoptimization@water.ca.gov
 - c. Office of the Division Manager
 Day-Ahead Scheduling Unit
 Presched@water.ca.gov
 - d. Southern Field Division
 Water Operation Section
 SFDWaterSchedule@water.ca.gov

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WATER DELIVERY RECORDS

13. DWR will maintain monthly records documenting the delivery of Crestline's Article 56 Carryover Water to San Bernardino under this Agreement.

CHARGES

14. San Bernardino shall pay to DWR the charges associated with the delivery of water under this Agreement from the Delta to the point of delivery at San Bernardino's turnout(s) located on the California Aqueduct and/or the California Aqueduct's East Branch Extension. San Bernardino shall pay all the Variable Operation, Maintenance, Power, and Replacement components of the Transportation Charge and the Off-Aqueduct Power Facilities costs that are in effect for each acre-foot of water delivered to San Bernardino's turnout(s).
15. In addition to the charges identified above, San Bernardino agrees to pay to DWR any identified demonstrable increase in costs that would otherwise be borne by the SWP contractors not signatory to this Agreement or by DWR, as a result of activities under this Agreement.
16. Payment terms shall be in accordance with San Bernardino's Water Supply Contract with DWR.
17. All payments under this Agreement not covered under San Bernardino's Water Supply Contract with DWR shall be due 30 days after the date of DWR's billing. DWR shall charge interest if payments are delinquent by more than 30 days. San Bernardino shall pay to DWR accrued interest on these overdue payments at the rate of one percent per month from the due date to the date of payment.

NO IMPACT

18. This Agreement shall not be administered or interpreted in any way that would cause adverse impacts to SWP approved Table A water or to any other SWP approved water allocations, water deliveries, or SWP operations or facilities. Crestline and San Bernardino shall be responsible, jointly and severally, as determined by DWR, for any adverse impacts that may result from the transfer and delivery of water under this Agreement.

LIABILITY

19. DWR is not responsible for the use, effects, or disposal of water under this Agreement once the water is delivered to the designated turnout(s). Responsibility shall be governed by Article 13 of San Bernardino's Water Supply Contract, with responsibilities under the terms of that article shifting from DWR to San Bernardino when the water is delivered to the designated turnout(s).

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20. Crestline and San Bernardino agree to defend and hold DWR, its officers, employees, and agents harmless from any direct or indirect loss, liability, lawsuits, cause of action, judgment or claim, and shall indemnify DWR, its officers, employees, and agents from all lawsuits, costs, damages, judgments, attorneys' fees, and liabilities that DWR, its officers, employees, and agents incur as a result of DWR approving this Agreement or providing services under this Agreement, except to the extent resulting from the sole negligence or willful misconduct of DWR, its officers, employees, and agents.
21. If uncontrollable forces preclude DWR from transferring or delivering water under this Agreement, either partially or completely, then DWR is relieved from the obligation to transfer or deliver the water to the extent that DWR is reasonably unable to complete the obligation due to the uncontrollable forces. Uncontrollable forces shall include, but are not limited to, earthquakes, fires, tornadoes, floods, and other natural or human caused disasters. San Bernardino shall not be entitled to recover any administrative costs or other costs associated with transfer or delivery of water under this Agreement if uncontrollable forces preclude DWR from delivering the water.

EXECUTION

22. The signatories represent that they have been appropriately authorized to enter into this Agreement on behalf of the Party for whom they sign.
23. The Parties agree that this Agreement will be executed using DocuSign by electronic signature, which shall be considered an original signature for all purposes and shall have the same force and effect as an original signature.
24. All Parties will receive an executed copy of the Agreement via DocuSign after all Parties have signed.

If the terms and conditions in the Agreement are acceptable, please sign and date using DocuSign.

Sincerely,

Molly White

Molly White
Assistant Division Manager, Water Management
Division of Operations and Maintenance
State Water Project

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SWP #25035

ACCEPTED:

CRESTLINE-LAKE ARROWHEAD
WATER AGENCY

Jennifer A Spindler

Name

General Manager

Title

9/19/2025

Date

SAN BERNARDINO VALLEY MUNICIPAL
WATER DISTRICT

Heather Dyer

Name

CEO/General Manager

Title

9/23/2025

Date

Certificate Of Completion

Envelope Id: 40E2E92C-A3F7-431E-8273-A46754F11C9B

Status: Completed

Subject: Please DocuSign: SWP #25035

FormID:

Optional 1:

Source Envelope:

Document Pages: 7

Signatures: 3

Envelope Originator:

Certificate Pages: 5

Initials: 0

SWP Contracts

AutoNav: Enabled

715 P Street

Envelopeld Stamping: Enabled

Sacramento, CA 95814

Time Zone: (UTC-08:00) Pacific Time (US & Canada)

SWPContracts@water.ca.gov

IP Address: 136.200.53.17

Record Tracking

Status: Original

Holder: SWP Contracts

Location: DocuSign

September 19, 2025 | 11:53

SWPContracts@water.ca.gov

Security Appliance Status: Connected

Pool: StateLocal

Storage Appliance Status: Connected

Pool: Department of Water Resources

Location: Docusign

Signer Events

Signature

Timestamp

Molly White

Molly.White@water.ca.gov

Asst Div Mgr - Water Mgmt

Department of Water Resources

Security Level: Email, Account Authentication
(None)

Molly White

Signature Adoption: Pre-selected Style

Using IP Address: 2600:387:6:824::46

Signed using mobile

Sent: September 19, 2025 | 12:06

Viewed: September 19, 2025 | 12:10

Signed: September 19, 2025 | 12:10

Electronic Record and Signature Disclosure:

Not Offered via Docusign

Heather Dyer

heatherd@sbvmwd.com

CEO/General Manager

Security Level: Email, Account Authentication
(None)

Heather Dyer

Signature Adoption: Pre-selected Style

Using IP Address: 47.176.153.2

Sent: September 19, 2025 | 12:10

Viewed: September 23, 2025 | 10:24

Signed: September 23, 2025 | 10:24

Electronic Record and Signature Disclosure:

Accepted: September 23, 2025 | 10:24

ID: 6494c7e1-3251-4c87-b8a6-4355ea93e59c

Jennifer A Spindler

clawa2@clawa.net

General Manager

Security Level: Email, Account Authentication
(None)

Jennifer A Spindler

Signature Adoption: Pre-selected Style

Using IP Address: 47.46.64.106

Sent: September 19, 2025 | 12:10

Viewed: September 19, 2025 | 12:15

Signed: September 19, 2025 | 12:45

Electronic Record and Signature Disclosure:

Accepted: September 19, 2025 | 12:15

ID: 334151ea-aeb5-401f-a731-ade66a486860

In Person Signer Events

Signature

Timestamp

Editor Delivery Events

Status

Timestamp

Agent Delivery Events

Status

Timestamp

Intermediary Delivery Events	Status	Timestamp
Certified Delivery Events	Status	Timestamp
Carbon Copy Events	Status	Timestamp
SWP Contracts swpcontracts@water.ca.gov Department of Water Resources Security Level: Email, Account Authentication (None) Electronic Record and Signature Disclosure: Not Offered via DocuSign	COPIED	Sent: September 23, 2025 10:24
Witness Events	Signature	Timestamp
Notary Events	Signature	Timestamp
Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	September 19, 2025 12:06
Certified Delivered	Security Checked	September 19, 2025 12:15
Signing Complete	Security Checked	September 19, 2025 12:45
Completed	Security Checked	September 23, 2025 10:24
Payment Events	Status	Timestamps
Electronic Record and Signature Disclosure		

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To contact us by phone call: (916) 653-5791

To contact us by paper mail, please send correspondence to:

Department of Water Resources

P.O. Box 942836

Sacramento, CA 95236-0001

To advise Department of Water Resources of your new e-mail address

To let us know of a change in your e-mail address where we should send notices and disclosures electronically to you, you must send an email message to us at don.davis@water.ca.gov and in the body of such request you must state: your previous e-mail address, your new e-mail address. We do not require any other information from you to change your email address..

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- ii. send us an e-mail to and in the body of such request you must state your e-mail, full name, IS Postal Address, telephone number, and account number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

Required hardware and software

Operating Systems:	Windows2000? or WindowsXP?
Browsers (for SENDERS):	Internet Explorer 6.0? or above
Browsers (for SIGNERS):	Internet Explorer 6.0?, Mozilla FireFox 1.0, NetScape 7.2 (or above)
Email:	Access to a valid email account

Screen Resolution:	800 x 600 minimum
Enabled Security Settings:	• Allow per session cookies • Users accessing the internet behind a Proxy Server must enable HTTP 1.1 settings via proxy connection

** These minimum requirements are subject to change. If these requirements change, we will provide you with an email message at the email address we have on file for you at that time providing you with the revised hardware and software requirements, at which time you will have the right to withdraw your consent.

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To confirm to us that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will provide to you, please verify that you were able to read this electronic disclosure and that you also were able to print on paper or electronically save this page for your future reference and access or that you were able to e-mail this disclosure and consent to an address where you will be able to print on paper or save it for your future reference and access. Further, if you consent to receiving notices and disclosures exclusively in electronic format on the terms and conditions described above, please let us know by clicking the 'I agree' button below.

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- Until or unless I notify Department of Water Resources as described above, I consent to receive from exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to me by Department of Water Resources during the course of my relationship with you.

DATE: August 4, 2026

TO: Board of Directors

FROM: Sayer Pinto, Principal Water Resources Analyst
Kai Palenscar, Preserve System Program Manager
Greg Herzog, Principal Water Resources Analyst

SUBJECT: Consider the Joint Funding Agreements for the Fiscal Year 2026-2027 Cooperative Programs with the United States Geological Survey (USGS)

Staff Recommendation

Staff recommends the Board of Directors authorize the CEO/General Manager to execute Joint Funding Agreements in FY 2026-2027 with the USGS for the following Cooperative Programs:

- Attachment 1. Joint Funding Agreement (JFA) (27ZGJFA22000053) for the Hydrologic Data Collection and Monitoring Program in the amount of \$1,185,760 for the water year period from October 1, 2026, through September 30, 2027;
- Attachment 2. Proposed Program for Water Resources Investigations (22ZGJFA21000008) in the amount of \$678,624 for the water year period from October 1, 2026, through September 30, 2027;
- Attachment 3. JFA (26ZGJFA08000074) to fund the continuation of native fish population census studies and the development of a population viability analysis for native fishes in the Santa Ana River in the amount of \$159,955 for the fiscal year period from July 01, 2026, through June 30, 2027. Staff requests approval of Attachment 4, Native Fish Survey: 3-Year Proposal, to minimize administrative delays associated with annual fiscal-year renewals through USGS. Funding for the Native Fish Survey in FY 2028 and FY 2029 will be presented to the Board for consideration as part of future San Bernardino Valley general fund budgets and future USGS funding requests and annual agreement approvals.

Summary

San Bernardino Valley and the USGS have maintained a cooperative partnership based on scientific investigations to support science-based decisions and proactive management of the water resources and environment within the San Bernardino Valley service area and Santa Ana River Watershed. Staff from both agencies regularly confer to identify pressing scientific inquiries for both water and biological resources. Tasks are performed on an as-needed basis, and as such, costs will fluctuate annually. San Bernardino Valley and the other Santa Ana River Watermaster entities have partnered with the USGS to monitor streamflows in the upper Santa Ana River Watershed along with precipitation levels and groundwater levels within the San Bernardino Valley service area for decades. These cooperative agreements provide the scientific foundation used to support groundwater management, Watermaster data collection, Habitat Conservation Plan (HCP) implementation, SGMA compliance, and long-term regional water supply planning.

Background

The Hydrologic Data Collection and Monitoring Program (27ZGJFA22000053) supports the Western-San Bernardino Watermaster (WSBWM), Santa Ana River Watermaster (SARWM), the Upper Santa Ana River Habitat Conservation Plan (HCP), the Yucaipa Sustainable Groundwater Management Agency (SGMA), the Basin Technical Advisory Committee (BTAC), and Basin Optimization efforts. This foundational agreement for the Cooperative Program with the USGS, is specifically focused on the collection of hydrologic data, including surface flow and groundwater data, as well as water quality and precipitation data. The Data Collection and Monitoring Program is managed by the USGS Redlands Field Office, where USGS staff monitor, collect, and maintain data in support of the Program.

The Water Resources Investigations (22ZGJFA21000008) build upon the Hydrologic Data Collection and Monitoring Program to evaluate water management strategies, identify and close data gaps by collecting and evaluating additional groundwater data, and document the knowledge and insights gained. Over the years, these USGS Water Resources Investigations have resulted in a wide range of work products and insights, including groundwater flow models for the San Bernardino Basin, Yucaipa Basin, and the Rialto-Colton Basin, and have provided valuable scientific data and analysis in support of the HCP and other water management decisions. The Water Resources Investigations, through its enhanced data collection and applied research, will focus on supporting optimal basin management activities in San Bernardino Valley centered

around characterizing aquifer stratigraphy, structure, artificial recharge and inflows to the basin, in addition to exploring changes to recharge resulting from wildfire and climate change. The Water Resources Program will also wrap up groundwater chemistry characterization efforts in the Yucaipa Basin.

Agreement (26ZGJFA08000074) with the USGS California Water Science Center will support a continuation of annual surveys and studies on native fishes in the Santa Ana River. The data collected and generated under this effort will help inform the HCP's conservation and management strategies for Santa Ana sucker and arroyo chub in the Santa Ana River. Multiple academic publications have been produced from this work, and it is an integral component to the conservation strategy of the Upper Santa Ana River HCP and water projects permit compliance requirements.

These agreements were reviewed by House Counsel and approved as to form.

District Strategic Plan Application

These projects are consistent with San Bernardino Valley's Mission Statement to work collaboratively to provide a reliable and sustainable water supply to support the changing needs of our region's people and environment and with the following strategies:

- Proactively manage a diverse and adaptable water supply portfolio to maximize the value of the region's water assets;
- Drive science-based decision-making and proactive risk management; and
- Build trust by being a collaborative and resourceful partner through effective communication and engagement.

Fiscal Impact

The total program cost of JFA (27ZGJFA22000053) for the FY 2026-2027 Hydrologic Data Collection and Monitoring Program is \$1,344,760, with the USGS contributing a total of \$159,000, bringing the net cost to San Bernardino Valley to \$1,185,760. San Bernardino Valley will be reimbursed a total of \$300,146 by the Watermaster Partner Agencies for the Watermaster stations (see attachment No. 5). Additionally, San Bernardino Valley and Pass Agency will be sharing the costs related to the Yucaipa Basin in an 84% / 16% split, and the Pass Agency's share will be \$16,630 this fiscal year. After the USGS contributions, Watermaster reimbursements, and reimbursement from the Pass Agency, the net fiscal impact to San Bernardino Valley is \$885,614.

The total program cost of the Proposed Program for Water Resources Investigations agreement (22ZGJFA21000008) is \$874,186, with a USGS contributing a total of \$195,562, bringing the net cost to San Bernardino Valley to \$678,624. San Bernardino Valley and Pass Agency will be sharing the costs related to the Yucaipa Basin in an 84% / 16% split, and the Pass Agency's share will be \$2,052 this fiscal year. After the USGS contribution and reimbursement from the Pass Agency, the net fiscal impact to San Bernardino Valley is \$676,572.

The total program cost of JFA (26ZGJFA08000074) to fund the continuation of native fish population census studies and the development of a population viability analysis for native fishes in the Santa Ana River is \$192,412, with the USGS contributing \$32,457, bringing the net cost to San Bernardino Valley to \$159,955. San Bernardino Valley and its HCP partners will be sharing costs in a 60% / 40% split, and the HCP partner's share will be \$95,973 this fiscal year. After USGS contribution and reimbursement from the HCP partners, the net fiscal impact to San Bernardino Valley is \$63,982. Additionally, Staff requests approval of Attachment 4, Native Fish Survey: 3-Year Proposal (FY 2026, 2027, 2028), to minimize administrative delays associated with annual fiscal-year renewals through USGS. Funding for the Native Fish Survey in FY 2028 and FY 2029 will be presented to the Board for consideration as part of future San Bernardino Valley general fund budgets and future USGS funding requests and annual agreement approvals.

These items were included in the approved FY 2026-2027 General Fund Budget Line Item 63500 - United States Geological Survey. The total contract amount for these agreements is \$2,411,358. After the USGS contribution and reimbursement from partners, San Bernardino Valley's net fiscal impact for the Cooperative Program totals \$1,626,168 as detailed above and in the following table:

				<u>Net Contact Allocation:</u>	
<u>USGS Contract</u>	<u>Total Cost</u>	<u>USGS Portion</u>	<u>Net Contract</u>	<u>Various Partner Amount</u>	<u>SBVMWD Amount</u>
Hydrologic Data Collection Program	\$1,344,760	\$159,000	\$1,185,760	\$300,146	\$885,614
Water Resources Investigations	\$874,186	\$195,562	\$678,624	\$2,052	\$676,572
USGS California Water Science Center	\$192,412	\$32,457	\$159,955	\$95,973	\$63,982
Total	<u>\$2,411,358</u>	<u>\$387,019</u>	<u>\$2,024,339</u>	<u>\$398,171</u>	<u>\$1,626,168</u>

Attachments

1. Joint Funding Agreement for Hydrologic Data Collection Program (27ZGJFA22000053);
2. Joint Funding Agreement for Water Resources Investigations (22ZGJFA21000008);

3. Joint Funding Agreement with the USGS California Water Science Center (26ZGJFA08000074);
4. Native Fish Survey: 3-Year Proposal;
5. USGS Costs for FY 26-27 Watermaster Data Collection Services.



United States Department of the Interior

U.S. GEOLOGICAL SURVEY
California Water Science Center
6000 J Street
Sacramento, CA 95819

July 17, 2026

Mrs. Heather Dyer
Chief Executive Officer/General Manager
San Bernardino Valley Municipal Water District
380 East Vanderbilt Way
San Bernardino, CA 92408

Dear Mrs. Dyer:

Enclosed is our standard joint-funding agreement 27ZGJFA22000053 between the U.S. Geological Survey California Water Science Center and San Bernardino Valley Municipal Water District for negotiated deliverables (see attached), during the period October 1, 2026 through September 30, 2027 in the amount of \$1,185,760 from your agency. U.S. Geological Survey contributions for this agreement are \$159,000 for a combined total of \$1,344,760. Please sign and return one fully-executed original to Nayely Nieto-Reyes at nnieto-reyes@usgs.gov or mail to the address above.

Federal law requires that we have a signed agreement before we start or continue work. Please return the signed agreement by **October 1, 2026**. If, for any reason, the agreement cannot be signed and returned by the date shown above, please contact Jonathan Newby at (909) 300-4240 or email jnewby@usgs.gov to make alternative arrangements.

This is a fixed cost agreement to be billed quarterly via Down Payment Request (automated Form DI-1040). Please allow 30-days from the end of the billing period for issuance of the bill. If you experience any problems with your invoice(s), please contact Nayely Nieto-Reyes at phone number (619) 225-6114 or nnieto-reyes@usgs.gov.

The results of all work performed under this agreement will be available for publication by the U.S. Geological Survey. We look forward to continuing this and future cooperative efforts in these mutually beneficial water resources studies.

Sincerely,

Anke Mueller-Solger
Director, USGS California

Water Science Center

Enclosure
27ZGJFA22000053 (2)

FBMS Customer Number **6000000809**

SO Number

Agreement/PO Number **27ZGJFA22000053****NON-FEDERAL CHECKLIST**

Elements of Agreement. All elements on the checklist must be included in the agreement package when applicable. Indicate by N/A if the element is not applicable. Each section must be verified by initialing on the line provided. The items where a check mark exists in the Page # column are mandatory and the page number must be provided to identify where the element can be found in the agreement package. The agreement package consists of the signed agreement and/or modification; cover/acceptance letter, addendum, or email; completed and signed reimbursable agreement checklist; and any other supporting documentation (e.g., exception memo, special rate approval).

NON-FEDERAL CUSTOMER INFORMATION SECTION:	Initials:	
	Page #	Comments
	1) Agreement/PO Number	✓ 1 27ZGJFA22000053
2) Name of Organization	✓ 1	San Bernardino Valley Municipal Water District
3) TIN (excluding foreign)	✓ 1	95-6005196
4) DUNS/UEI (if available)	N/A	
5) Point of Contact	2	Heather Dyer
6) Address	2	380 East Vanderbilt Way, San Bernardino, CA, 92408
7) Office phone, Fax and/or Email	2	(760) 397-7756 / (n/a) / heatherd@sbvmwd.com
8) Signature(s) and Date(s)	✓ 2	
USGS INFORMATION SECTION:	Initials:	
	Page #	Comments
	1) Organization and Cost Center	✓ 1
2) Legal authority to enter into agreement	✓ 1	Must be in the Agreement Package; 43 USC 36C; 43 USC 50, and 43 USC 50b
3) Project Chief/Principal Investigator	2	Jonathan Newby
4) Address	2	, Redlands CA 92374
5) Office phone, Fax and/or Email	2	(909) 300-4240 / (909) 335-3407 / jnewby@usgs.gov
6) Signature(s) and Date(s)	✓ 2	Is Agreement signed in accordance with Financial Delegations of Authority? For Non-Standard JFAs see SM 205.13.A
SCOPE OF WORK SECTION:	Initials:	
	Page #	Comments
	1) Period of Performance	✓ 1
2) Description of Services and Responsibilities	1	
3) Agreement Deliverables (if applicable)		
4) Authority to Publish (if applicable)	✓ 1	
5) If in-kind services provided, describe in agreement including amount (if applicable)		Voucher must be sent in with agreement. If not currently available., date you plan to forward to OAFM/FM
6) Equipment/Property requirements or restrictions (if applicable)		
FUNDING INFORMATION SECTION:	Initials:	
	Page #	Comments
	1) Total Amount of Agreement	✓ 1
2) Modification Number (if applicable)	✓	
3) Amount of Modification (if applicable)	✓	
4) Fixed Cost (if applicable)	✓ 1	fixed
5) Funding Limitations	✓	Yes / No and include page # if yes
BILLING INFORMATION SECTION:	Initials:	
	Page #	Comments
	1) Billing Address/Contact/Office Phone	✓ 2
2) Frequency of Billing	✓ 2	____ Monthly ____ Quarterly ____ Semi-annual ____ Annual ____ In Advance
3) Mandatory Termination Clause	✓ 1	
INTERNAL INFORMATION SECTION:		
Miscellaneous (if Applicable):		If Applicable:
1) OPA Approval		ARS number must be listed on agreements when OPA approval is required
2) Conflict of Interest (COI) Form - (for work with the private sector, non-profits and academic institutions)		Must be available at Cost Center
3) Cost Share		Must be available at Cost Center
4) Special/Reduced Rate Approval		Must be scanned in FBMS for FM approval
5) Cover/Acceptance Letter		Copy of official letter to accept funds, state authority to publish, reimbursable, etc., must be filed with the agreement at the Center
6) Supports USGS Program		Write In – Functional Area: G40CP0000
7) Cost Calculations for Direct/Indirect Costs		Must be available at Cost Center
Project Chief/Principal Investigator (Name/Phone/Signature) Jonathan Newby (909) 300-4240 Date Jul 17, 2026		
Cost Center Financial Reviewer (Name/Phone/Signature) Gabriel Lopez (916) 278-3026 Date Jul 17, 2026		

Updated April 2022

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement
FOR
Water Resource Investigations

Customer #: 6000000809
Agreement #: 27ZGJFA22000053
Project #:
TIN #: 95-6005196

Fixed Cost Agreement YES[X] NO[]

THIS AGREEMENT is entered into as of October 1, 2026, by the U.S. GEOLOGICAL SURVEY, California Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the San Bernardino Valley Municipal Water District party of the second part.

1. The parties hereto agree that subject to the availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation for negotiated deliverables (see attached), herein called the program. The USGS legal authority is 43 USC 36C; 43 USC 50, and 43 USC 50b.

2. The following amounts shall be contributed to cover all of the cost of the necessary field and analytical work directly related to this program. 2(b) include In-Kind-Services in the amount of \$0.00

- (a) \$159,000 by the party of the first part during the period
October 1, 2026 to September 30, 2027
- (b) \$1,185,760 by the party of the second part during the period
October 1, 2026 to September 30, 2027
- (c) Contributions are provided by the party of the first part through other USGS regional or national programs,
in the amount of: \$0

Description of the USGS regional/national program:

- (d) Additional or reduced amounts by each party during the above period or succeeding periods as may be
determined by mutual agreement and set forth in an exchange of letters between the parties.
- (e) The performance period may be changed by mutual agreement and set forth in an exchange of letters
between the parties.

3. The costs of this program may be paid by either party in conformity with the laws and regulations respectively governing each party.

4. The field and analytical work pertaining to this program shall be under the direction of or subject to periodic review by an authorized representative of the party of the first part.

5. The areas to be included in the program shall be determined by mutual agreement between the parties hereto or their authorized representatives. The methods employed in the field and office shall be those adopted by the party of the first part to insure the required standards of accuracy subject to modification by mutual agreement.

6. During the course of this program, all field and analytical work of either party pertaining to this program shall be open to the inspection of the other party, and if the work is not being carried on in a mutually satisfactory manner, either party may terminate this agreement upon 60 days written notice to the other party.

7. The original records resulting from this program will be deposited in the office of origin of those records. Upon request, copies of the original records will be provided to the office of the other party.

8. The maps, records or reports resulting from this program shall be made available to the public as promptly as possible. The maps, records or reports normally will be published by the party of the first part. However, the party of the second part reserves the right to publish the results of this program, and if already published by the party of the first part shall, upon request, be furnished by the party of the first part, at cost, impressions suitable for purposes of reproduction similar to that for which the original copy was prepared. The maps, records or reports published by either party shall contain a statement of the cooperative relations between the parties. The Parties acknowledge that scientific information and data developed as a result of the Scope of Work (SOW) are subject to applicable USGS review, approval, and release requirements, which are available on the USGS Fundamental Science Practices website (<https://www.usgs.gov/office-of-science-quality-and-integrity/fundamental-science-practices>).

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement
FOR

Customer #: 6000000809
Agreement #: 27ZGJFA22000053
Project #:
TIN #: 95-6005196

Water Resource Investigations

9. Billing for this agreement will be rendered quarterly. Invoices not paid within 60 days from the billing date will bear Interest, Penalties, and Administrative cost at the annual rate pursuant the Debt Collection Act of 1982, (codified at 31 U.S.C. § 3717) established by the U.S. Treasury.

USGS Technical Point of Contact

Name: Jonathan Newby
Supervisory Hydrologic Technician
Address: Redlands, CA 92374
Telephone: (909) 300-4240
Fax: (909) 335-3407
Email: jnewby@usgs.gov

Customer Technical Point of Contact

Name: Heather Dyer
Chief Executive Officer/General Manager
Address: 380 East Vanderbilt Way
San Bernardino, CA 92408
Telephone: (760) 397-7756
Fax: (n/a)
Email: heatherd@sbvmwd.com

USGS Billing Point of Contact

Name: Nayely Nieto-Reyes
Accounting Technician
Address: 4165 Spruance Road Suite 200
San Diego, CA 92101-0821
Telephone: (619) 225-6114
Fax: (n/a)
Email: nnieto-reyes@usgs.gov

Customer Billing Point of Contact

Name: Cindy Saks
Chief Financial Officer
Address: 380 East Vanderbilt Way
San Bernardino, CA 92408
Telephone: (909) 387-9224
Fax: (909) 387-9247
Email: cindys@sbvmwd.com

U.S. Geological Survey
United States
Department of Interior

San Bernardino Valley Municipal Water District

Signature

By _____ Date: 7/17/2026
Name: Anke Mueller-Solger
Title: Director, USGS California Water Science Center

Signatures

By _____ Date: _____
Name:
Title:

By _____ Date: _____
Name:
Title:

By _____ Date: _____
Name:
Title:

San Bernardino Valley Municipal Water District

Attachment for 27ZGJFA22000053
2026-10-01 to 2027-09-30

SURFACE WATER

SITE NUMBER	DESCRIPTION	CODE	NO. UNITS	DIFF FACTOR	USGS FUNDS	CUST. CASH	OTHER FUNDS	TOTAL COST
11051499	SANTA ANA R NR MENTONE (RIVER ONLY) CA Full Range Streamflow Station	QCONT	1	1 SW Total:	\$7,330	\$21,840		\$29,170
11051502	SAR SUPP GAGE NR MENTONE CA Partial range streamflow O&M	QPART	1	1 SW Total:	\$4,750	\$12,750		\$17,500
11055000	MILL C NR MENTONE CA Discharge, Measurement	QMEAS	1	1 SW Total:		\$14,640		\$14,640
11055500	PLUNGE C NR EAST HIGHLANDS CA Full Range Streamflow Station	QCONT	1	1 SW Total:	\$7,330	\$21,840		\$29,170
11055800	CITY C NR HIGHLAND CA Full Range Streamflow Station	QCONT	1	1 SW Total:	\$7,330	\$21,840		\$29,170
11058500	E TWIN C NR ARROWHEAD SPRINGS CA Full Range Streamflow Station	QCONT	1	1 SW Total:	\$7,330	\$21,840		\$29,170
11058600	WATERMAN CANYON CREEK NR ARROWHEAD SPRINGS CA Full Range Streamflow Station	QCONT	1	1 SW Total:	\$7,330	\$21,840		\$29,170
11060400	WARM C NR SAN BERNARDINO CA Full Range Streamflow Station	QCONT	1	1 SW Total:	\$7,330	\$21,840		\$29,170
11060900	SCE LYTLE C CONDUIT NR FONTANA CA Partial range streamflow O&M	QPART	1	1 SW Total:		\$2,850		\$2,850
11060910	LYTLE C LEAKAGE BL SCE DIV DAM NR FONTANA CA Discharge, Measurement	QMEAS	1	1 SW Total:		\$610		\$610
11061000	FONTANA WATER CO INFILTRATION LINE NR FONTANA CA Discharge, Measurement	QMEAS	1	1 SW Total:	\$1,850	\$5,320		\$7,170
11062399	FONTANA WATER CO SURFACE DIV WEIR 2 NR FONTANA CA Partial range streamflow O&M	QPART	1	1 SW Total:		\$11,140		\$11,140
11062400	FONTANA WATER CO SURFACE DIV NR FONTANA CA Partial range streamflow O&M	QPART	1	1 SW Total:		\$11,140		\$11,140
11062450	FONTANA PH FOREBAY SPILLWAY NR FONTANA CA Partial range streamflow O&M	QPART	1	1 SW Total:		\$11,140		\$11,140
11062700	LYTLE C DIV TO FONTANA PH AVM NR FONTANA CA AVM quality assurance check-review	QFURN-AVM	1	1 SW Total:		\$1,740		\$1,740
11062800	FONTANA WATER CO SPILL CH FROM AFTERBAY NR FONTANA Partial range streamflow O&M	QPART	1	1 SW Total:		\$18,250		\$18,250
11063510	CAJON C BL LONE PINE C NR KEENBROOK CA Full Range Streamflow Station	QCONT	1	1 SW Total:	\$7,330	\$21,840		\$29,170

11063680	DEVIL CYN C NR SAN BERNARDINO CA Full Range Streamflow Station	QCONT	1	1 SW Total:	\$7,330	\$21,840	\$29,170
11065000	LYTLE C A COLTON CA Full Range Streamflow Station	QCONT	1	1 SW Total:	\$7,330	\$21,840	\$29,170
11066320	RIX OUTFLOW A SANTA ANA R NR GRAND TERRACE CA Stage, Continuous	STGCONT	1	1 SW Total:	\$4,750	\$5,880	\$10,630
11066460	SANTA ANA R A MWD CROSSING CA Full Range Streamflow Station Discharge, Measurement	QCONT QMEAS	1 1	1 1 SW Total:	\$7,330 \$2,590	\$21,840 \$8,390	\$40,150
11071900	TEMESCAL C A CORONA LK NR CORONA CA Discharge, Measurement	QMEAS	1	1 SW Total:		\$18,250	\$18,250
11072100	TEMESCAL C AB MAIN ST A CORONA CA Full Range Streamflow Station	QCONT	1	1 SW Total:	\$7,330	\$21,840	\$29,170
11073360	CHINO C A SCHAEFER AVENUE NR CHINO CA Full Range Streamflow Station	QCONT	1	1 SW Total:	\$7,330	\$21,840	\$29,170
11073495	CUCAMONGA C NR MIRA LOMA CA Full Range Streamflow Station	QCONT	1	1 SW Total:	\$7,330	\$21,840	\$29,170
SW Grand Total:					\$109,230	\$406,020	\$515,250

San Bernardino Valley Municipal Water District
27ZGJFA22000053 (continued)

SEDIMENT

SITE NUMBER	DESCRIPTION	CODE	NO. UNITS	DIFF FACTOR	USGS FUNDS	CUST. CASH	OTHER FUNDS	TOTAL COST
11059300	SANTA ANA R A E ST NR SAN BERNARDINO CA Sedimentation Measurement	SEDMEAS	1	1		\$20,800		
				SED Total:				\$20,800
				SED Grand Total:		\$20,800		\$20,800

San Bernardino Valley Municipal Water District
27ZGJFA22000053 (continued)

WATER QUALITY								
SITE NUMBER	DESCRIPTION	CODE	NO. UNITS	DIFF FACTOR	USGS FUNDS	CUST. CASH	OTHER FUNDS	TOTAL COST
11066460	SANTA ANA R A MWD CROSSING CA Water Quality, Measurement	WQMEAS	1	1	\$4,410	\$11,670		
				WQ Total:				\$16,080
WQ Grand Total:					\$4,410	\$11,670		\$16,080

San Bernardino Valley Municipal Water District
27ZGJFA22000053 (continued)

CLIMATE

SITE NUMBER	DESCRIPTION	CODE	NO. UNITS	DIFF FACTOR	USGS FUNDS	CUST. CASH	OTHER FUNDS	TOTAL COST
340014117040901	WEATHER STATION A W COUNTY LINE RD A CALIMESA CA Precipitation, Continuous	PRECIPCONT	1	1		\$11,350		
				CLIM Total:				\$11,350
340312116592701	WEATHER STATION A OAK GLEN RD NR YUCAIPA CA Precipitation, Continuous	PRECIPCONT	1	1		\$11,350		
				CLIM Total:				\$11,350
340526116561301	MILL C PRECIP NR FOREST FALLS CA Precipitation, Continuous	PRECIPCONT	1	1		\$11,350		
				CLIM Total:				\$11,350
340742117161701	GILBERT ST PRECIP GAGE A SAN BERNARDINO CA Precipitation, Continuous	PRECIPCONT	1	1		\$11,350		
				CLIM Total:				\$11,350
341429116583101	BIG BEAR LK PRECIP NR BIG BEAR CA Precipitation, Continuous	PRECIPCONT	1	1		\$11,350		
				CLIM Total:				\$11,350
341509117312601	MF LYTTLE C PRECIP GAGE NR LYTTLE CREEK CA Precipitation, Continuous	PRECIPCONT	1	1		\$11,350		
				CLIM Total:				\$11,350
CLIM Grand Total:						\$68,100		\$68,100

**San Bernardino Valley Municipal Water District
27ZGJFA22000053 (continued)**

GROUND WATER

SITE NUMBER	DESCRIPTION	CODE	NO. UNITS	DIFF FACTOR	USGS FUNDS	CUST. CASH	OTHER FUNDS	TOTAL COST
340046117020801	002S002W12H001S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$480	\$10,150		\$10,630
340046117020802	002S002W12H002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$480	\$2,800		\$3,280
340046117020803	002S002W12H003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$480	\$2,800		\$3,280
340046117020804	002S002W12H004S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$480	\$2,800		\$3,280
340130117054901	002S002W04L002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$320	\$10,310		\$10,630
340130117054902	002S002W04L003S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680		\$1,960
340130117054903	002S002W04L004S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000		\$3,280
340130117054904	002S002W04L005S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000		\$3,280
340130117054905	002S002W04L006S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000		\$3,280
340136117033901	002S002W02F002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350		\$10,630
340136117033902	002S002W02F003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000		\$3,280
340136117033903	002S002W02F004S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000		\$3,280
340136117033904	002S002W02F005S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000		\$3,280
340136117033905	002S002W02F006S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000		\$3,280
340248117020901	001S002W36A002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350		\$10,630
340248117020902	001S002W36A003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000		\$3,280
340248117020903	001S002W36A004S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000		\$3,280
340248117020904	001S002W36A005S							

	Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340316117174101	001S004W27M001S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340316117174102	001S004W27M002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340316117174103	001S004W27M003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340317117190401	001S004W29K001S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920
340317117190402	001S004W29K002S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920
340317117190403	001S004W29K003S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920
340317117190404	001S004W29K004S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920
340317117190405	001S004W29K005S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920
340321117153801	001S004W25E005S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340321117153802	001S004W25E006S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340321117153803	001S004W25E007S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340326117185301	001S004W29H004S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920
340326117185302	001S004W29H005S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920
340326117185303	001S004W29H006S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920
340326117185304	001S004W29H007S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920
340326117185305	001S004W29H008S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920
340408117165301	001S004W22J001S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340408117165302	001S004W22J002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340408117165303	001S004W22J003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340408117165304	001S004W22J004S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960

340414117190201	001S004W20H001S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340414117190202	001S004W20H002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340414117190203	001S004W20H003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340414117190204	001S004W20H004S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340414117190205	001S004W20H005S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340433117171201	001S004W22B009S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340433117171202	001S004W22B010S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340433117171203	001S004W22B011S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340439117173902	001S004W22D002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340439117173904	001S004W22D004S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340439117173905	001S004W22D005S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340439117173906	001S004W22D006S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340439117173907	001S004W22D007S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340503117104101	001S003W15K001S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340503117104102	001S003W15K002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340503117104103	001S003W15K003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340503117104104	001S003W15K004S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340503117104105	001S003W15K005S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340508117163301	001S004W14E008S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340508117163302	001S004W14E009S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280

340508117163303	001S004W14E010S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340508117163304	001S004W14E011S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340508117163305	001S004W14E012S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340508117163306	001S004W14E013S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340509117172401	001S004W15F006S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340509117172402	001S004W15F007S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340509117172403	001S004W15F008S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340521117212001	001S005W13B001S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340521117212002	001S005W13B002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340521117212003	001S005W13B003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340521117212004	001S005W13B004S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340521117212005	001S005W13B005S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340538117171401	001S004W10K001S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340538117171402	001S004W10K002S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340538117171403	001S004W10K003S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340541117074401	001S002W07Q001S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340541117074402	001S002W07Q002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340541117074403	001S002W07Q003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340541117074404	001S002W07Q004S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340541117074405	001S002W07Q005S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340541117074406	001S002W07Q006S Groundwater level, Continuous	GWCONT	1	1	\$280	\$3,000	

				GW Total:			\$3,280
340546117182901	001S004W09L002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340546117182902	001S004W09L003S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340546117182903	001S004W09L004S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340546117182904	001S004W09L005S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340555117161201	001S004W11K002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340555117161202	001S004W11K003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340555117161203	001S004W11K004S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340555117161204	001S004W11K005S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340555117161205	001S004W11K006S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340555117161206	001S004W11K007S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340555117161207	001S004W11K008S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340559117194501	001S004W08E001S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340559117194502	001S004W08E002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340559117194503	001S004W08E003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340559117194504	001S004W08E004S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340606117223801	001S005W11F001S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340606117223802	001S005W11F002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340606117223803	001S005W11F003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340606117223804	001S005W11F004S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340615117170902	001S004W10B002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630

340615117170903	001S004W10B003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340615117170904	001S004W10B004S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340632117170501	001S004W03Q001S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920
340633117174001	001S004W03N002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340633117174002	001S004W03N001S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340633117174003	001S004W03N003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340633117174004	001S004W03N004S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340633117174005	001S004W03N005S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340633117174006	001S004W03N006S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340655117184004	001S004W04E004S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340655117184005	001S004W04E005S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340655117184006	001S004W04E006S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340707117162706	001S004W02D006S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340707117162707	001S004W02D007S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340707117162708	001S004W02D008S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340716117230601	001S005W03A003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340716117230602	001S005W03A004S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340716117230603	001S005W03A005S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340716117230604	001S005W03A006S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340716117230605	001S005W03A007S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340716117230606	001S005W03A008S						

	Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$1,680	\$1,960
340800117235901	001N005W34D001S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340800117235902	001N005W34D002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340800117235903	001N005W34D003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340800117235904	001N005W34D004S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340804117221601	001N005W35B001S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340804117221602	001N005W35B002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340804117221603	001N005W35B003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340804117221604	001N005W35B004S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340814117253501	001N005W29Q001S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340814117253502	001N005W29Q002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340814117253503	001N005W29Q003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340814117253504	001N005W29Q004S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340814117253505	001N005W29Q005S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$1,680	\$1,960
340826117224201	001N005W26L001S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920
340828117240102	001N005W28J002S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920
340828117240103	001N005W28J003S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920
340829117284301	001N006W26K002S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920
340829117284302	001N006W26K003S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920
340851117281901	001N006W26A001S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920
340851117281902	001N006W26A002S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920

340851117281903	001N006W26A003S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920
340854117235102	001N005W27D002S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920
340854117235104	001N005W27D004S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$3,640	\$3,920
340914117234901	001N005W22N001S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340914117234902	001N005W22N002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340914117234903	001N005W22N003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340914117234904	001N005W22N004S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340914117234905	001N005W22N005S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340914117234906	001N005W22N006S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
340927117242201	001N005W21K001S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
340927117242202	001N005W21K002S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340927117242203	001N005W21K003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
340927117242204	001N005W21K004S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
341013117253901	001N005W17L001S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
341013117253902	001N005W17L002S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
341013117253903	001N005W17L003S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$10,350	\$10,630
341013117253904	001N005W17L004S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
341013117253905	001N005W17L005S Groundwater level, Continuous	GWCONT	1	1 GW Total:	\$280	\$3,000	\$3,280
341013117253906	001N005W17L006S Groundwater Level, Measurement	GWMEAS	1	1 GW Total:	\$280	\$1,680	\$1,960
GW Grand Total:					\$45,360	\$679,170	\$724,530

SUMMARY FOR

TYPE	USGS FUNDS	CUST. CASH	OTHER FUNDS	TOTAL COST
SURFACE WATER (SW)	\$109,230	\$406,020		\$515,250
SEDIMENT (SED)		\$20,800		\$20,800
WATER QUALITY (WQ)	\$4,410	\$11,670		\$16,080
CLIMATE (CLIM)		\$68,100		\$68,100
GROUND WATER (GW)	\$45,360	\$679,170		\$724,530
GRAND TOTAL	\$159,000	\$1,185,760		\$1,344,760



United States Department of the Interior

U.S. GEOLOGICAL SURVEY
California Water Science Center
6000 J Street, Placer Hall
California State University
Sacramento, California 95819-6129
Phone: (916) 278-3000 Fax: (916) 278-3070
<https://www.usgs.gov/centers/ca-water/>

07/02/2026

Ms. Heather Dyer, CEO/General Manager
San Bernardino Valley Municipal Water District
380 East Vanderbilt Way
San Bernardino, California 92408

Subject: Proposed USGS program for October 1, 2026 – September 30, 2027

Dear Ms. Dyer,

This letter confirms discussions between our respective staffs describing proposed work for the October 1, 2026 through September 30, 2027 agreement period, as part of our cooperative water-resources program between the San Bernardino Valley Municipal Water District (SBVMWD) and the United States Geological Survey (USGS). This 12-month agreement period spans Federal Fiscal Year 2027.

The cooperative program outlined in this agreement focuses on optimal water management of the Upper Santa Ana Valley Groundwater Basins (USAVGB, namely the San Bernardino Basin, Rialto-Colton Basin, and the Riverside-Arlington Basin), with specific tasks for the Yucaipa Basin to support that basin's Groundwater Sustainability Plan. Six topical tasks are included: Technical outreach and planning (Task 1); Data collection and maintenance in the USAVGB (Task 2); Evaluation of artificial recharge activities in the USAVGB (Task 3); Water-quality data in the Yucaipa Basin (Task 4); Local sources of groundwater recharge in the Yucaipa Basin (Task 5); and, New U.S. Geological Survey monitoring-well site in the San Bernardino Basin (Task 6).

This letter provides details of the work that are proposed for each of the 6 tasks during the 12-month agreement period. Proposed funding for each task and subtask is summarized in the attached table. Program accomplishments for the previous agreement are documented in a separate letter. This letter, however, does provide brief descriptions of how the proposed work fits within the long-term study plan for each component of the program.

1. Technical outreach and planning

In the 2027 program year, technical outreach will be provided, as requested by SBVMWD, to SBVMWD, to partner agencies in the USAVGB, to the Yucaipa groundwater sustainability agency (GSA) in the Yucaipa Basin, and to the public. The USGS will provide technical guidance and support to help identify optimal water-management objectives and technical issues in achieving optimal management. This technical outreach is expected to include attendance at workshops and (or) technical meetings, giving presentations, individual briefings of agencies, technical review of proposed plans, technical guidance and support, and updating the Bunker Hill project web page (<http://ca.water.usgs.gov/sanbern>).

Total Cost: \$60,298 (SBVMWD: \$49,774, USGS: \$10,524)

Deliverables: Written summary of technical outreach provided each quarter; a preliminary workplan for future tasks to support optimal water management in the USAVGB and the Yucaipa Basin.

2. Data collection and maintenance in the USAVGB

In the 2027 program year, the USGS will assess surface-water and groundwater monitoring sites and collect new water-quality data. The USGS surface water and groundwater monitoring sites provide valuable data that are used to better understand and to manage the USAVGB, including changes in water levels and water quality; calculations of changes in basin storage; estimates of runoff and recharge; and interaction of surface water and groundwater. These data also are used to calibrate the various groundwater-flow and solute-transport models and are used in multiple studies and by multiple water agencies. Specific subtasks include: collection of groundwater-quality data (subtask 2a); collection of surface-water quality data (subtask 2b); and maintenance and assessment of monitoring sites and data (subtask 2c). Work to be performed for each subtask is described below. Funds for all subtasks are included as a single amount in the attached table.

Total Cost: \$201,501 (SBVMWD: \$168,444, USGS: \$33,057)

2a. Collection of groundwater-quality data

New water quality data will be collected from selected multiple-depth, monitoring-well sites in the USAVGB. New water-quality data are necessary to extend long-term records of chemical data, evaluate present conditions of the hydrologic system, evaluate the effects of anthropogenic changes on the surface-water and groundwater system, such as an increase or decrease in pumping and changes to the rate and location of artificial aquifer recharge, interaction of surface water and groundwater, and the presence of emerging contaminants, and to better understand vertical groundwater flow.

USGS multiple-depth, monitoring-well sites will be chosen following an analysis of historical water quality data and the results of water quality testing conducted in previous program years. Water-quality sites will be selected in coordination with SBVMWD. New water quality samples have been collected from 12 multiple-depth, monitoring well sites over the last three program years. In the 2027 program year, samples will be collected from up to 5 multiple-depth, monitoring-well sites in the USAVGB. Laboratory analyses on groundwater samples will be performed to measure major and minor ions, trace elements, nutrients, stable isotopes of oxygen and hydrogen, tritium, and carbon-14, and, if requested, other constituents.

All analytical results will be archived in the USGS Water Data for the Nation (WDFN) database, which is a publicly available, permanent archive; and a summary of the results will be presented to SBVMWD at the end of the program year.

Deliverables: summary of work performed each quarter. Written summary of water quality results. All analytical results will be archived in the WDFN database.

2b. Collection of surface water-quality data

New water quality data will be collected from selected surface-water monitoring sites. Surface-water monitoring sites will be chosen to target the presence of emerging contaminants and will be selected in coordination with SBVMWD. Water-quality samples have been collected at the same six surface-water sites in each of the last three program years. In the 2027 program year, one set of samples will be collected from each of the same six surface-water monitoring sites. Laboratory analyses on surface-water samples will be performed to measure major and minor ions, trace elements, nutrients, stable

isotopes of oxygen and hydrogen, and for the presence and concentration of per- and polyfluoroalkyl substances (PFAS).

Deliverables: Written summary of work performed each quarter. Written summary of work performed each quarter. Written summary of water quality results. All analytical results will be archived in the WDFN database.

2c. Maintenance and assessment of monitoring sites and data

The physical condition of USGS multiple-depth, monitoring-well sites will continue to be evaluated, and repair and maintenance actions will be conducted. This work will build on work performed in previous program years and follows previous assessments of the physical condition of site infrastructure and groundwater-level data. Selected USGS multiple-depth, monitoring-well sites will be rehabilitated in consultation with SBMVWD, and as permitted by budget and staffing capacity.

Deliverables: Written summary of work performed each quarter. Summary table documenting completed repairs or rehabilitation of multiple-depth, monitoring-well sites.

3. Evaluation of artificial recharge activities in the USAVGB

The purpose of this task is to improve the regional hydrogeologic understanding to support existing and potential artificial recharge activities in the USAVGB and provide additional information on which to base optimal water management decisions. This work is separated into five specific subtasks. Results from the five subtasks can be used independently, and collectively to refine the regional hydrogeologic characterization and support the application of artificial recharge water at existing and future locations. Work to be performed for each subtask is described below. Funds for all subtasks are included as a single amount in the attached table.

Total Cost: \$582,368 (SBVMWD: \$438,016, USGS: \$144,352)

3a. Analysis of hydrostratigraphy and the distribution of hydrogeologic facies

The hydrostratigraphy, and the type and distribution of hydrogeologic facies in the USAVGB will continue to be evaluated, building off work performed in the 2023-2026 program years. During the 2026 program year borehole lithologic and geophysical data throughout the San Bernardino Basin, Rialto-Colton Basin, and an adjacent boundary area in Chino and Riverside-Arlington Basins, were compiled, digitized, and analyzed along with published maps, reports, and other hydrogeologic information. Particular attention was paid to the compilation and digitization of new borehole data near the Santa Ana and Mill Creek spreading basins. In 2027, these new data will be used with previously published information to construct a hydrostratigraphic framework and conceptual hydrogeologic model. The type and distribution of near-surface and deep hydrogeologic facies will be evaluated within the hydrostratigraphic framework. The outcomes of this work can be used to determine preferred locations for artificial aquifer recharge and pathways for infiltration of artificial recharge water (subtask 3c), to inform identification of geologic structure and changes in groundwater storage (subtask 3d), to inform groundwater table maps for the shallow and deep aquifer systems (subtask 3e), and to support the hydrologic characterization of the USAVGB (subtask 3e).

Deliverables: Written summary of work performed each quarter. Draft interpretive report documenting the hydrostratigraphic framework and conceptual hydrogeologic model of the USAVGB. USGS data releases of the hydrostratigraphic framework and borehole data used to construct the framework.

3b. Estimates of regional water-balance components

The USGS Basin Characterization Model (BCM; Flint and others, 2021a, 2021b; Stern and others, 2024) was used to estimate historical and future water-balance components for watersheds and groundwater basins in the USAVGB during 2026 program year. The BCM is a state-wide, monthly, gridded, regional water-balance model that has been used to characterize the hydrologic response to changes in climate. A typical BCM application characterizes water availability as recharge and runoff components of the water balance and considers potential changes due to climate. Water-balance components of interest for the USAVGB include local recharge, local runoff, actual evapotranspiration, and climatic water deficit. In the 2026 program year, BCM output for the USAVGB was post-processed using surface-water measurements from local streamgages to estimate unimpaired flow with an updated vegetation calibration, which enhanced calibration statistics in most of the subbasins. To provide a stress-test comparison of historical water-balance components in the study area, the BCM was re-run with downscaled climatic inputs from the Weather Generator tool (Najibi et al., 2024) using 24 historical conditions perturbations that varied between +0 to +5°C and -25% to +25% precipitation. A draft interpretive report documenting the BCM and Weather Generator tool outputs was prepared, and USGS data releases were published. These data were used for the artificial recharge suitability analysis (subtask 3c).

Additional work in the 2026 program year included documenting changes to vegetation properties as a result of the 2024 Line Fire and the 2020 Apple and El Dorado Fires. The Line, Apple and El Dorado Fires burned a large portion of the upstream areas of the watershed, therefore it is probable that the change in vegetation will lead to changes in the water-balance of the area. The BCM was re-run based on vegetation changes caused by these fires and compared with baseline conditions to evaluate the impact of wildfires in the area. A draft interpretive report will be prepared to compare and contrast results from this effort to previous studies in the area.

In the 2027 program year, the interpretive report documenting the BCM and Weather Generator outputs is anticipated to be published; the interpretive report documenting the effects of the Line, Apple, and El Dorado Fires is anticipated to be submitted for review. Also in the 2027 program year, the USGS will downscale recent CMIP6 future projections to cover the USAVGB and re-run the BCM to provide a suite of newer data with which to evaluate future changes in water balance in the region. These future results will be incorporated into an analysis of artificial recharge suitability and efficacy. A draft interpretive report documenting future BCM results using CMIP6 will be prepared; this interpretive report is anticipated to be published in a later program year.

Deliverables: Written summary of work performed each quarter. Final interpretive report documenting BCM and Weather Generator outputs and findings. Final interpretive report documenting fire-landscape adjusted BCM findings. Draft interpretive report documenting CMIP6 BCM data and integration into artificial recharge suitability.

3c. Suitability and effectiveness assessment of artificial recharge locations

Artificial recharge water is applied at 37 spreading basins in the San Bernardino, Rialto-Colton, and Yucaipa Basins using stream diversions and deliveries of imported water. However, it is difficult to assess the effectiveness of artificial recharge activities and determine suitable locations for new projects due to complex surface and subsurface conditions. To address this issue, a recharge suitability index for the USAVGB was developed during the 2026 program year using spatial datasets within a geographic information system (GIS) paired with water-balance results from the BCM (subtask 3b). The recharge suitability index identified favorable locations for recharge based on factors such as geology, land use, soil properties, and aquifer properties, while water-balance modeling quantified the potential runoff available to existing spreading basins under wet, dry, and average precipitation conditions. A draft interpretive report detailing the results of this analysis was prepared. During the 2027 program year, this report is anticipated to be published.

During the 2027 program year, the suitability index will be evaluated against the performance of existing artificial recharge projects using historical water deliveries, estimated infiltration rates, groundwater level responses, and water chemistry data. Historical water deliveries to spreading basins will be compiled to estimate actual infiltration volumes. Additionally, groundwater level and water chemistry data from wells located near spreading basins will be analyzed to characterize recharge pathways and evaluate the timing and movement of artificial recharge water throughout the groundwater system. Results from this analysis will be compared to suitability index values and modeled water-balance estimates to assess how modeled recharge suitability corresponds with observed basin performance. This comparison will provide an opportunity to refine the suitability framework and identify factors most strongly associated with successful recharge outcomes. Integration of the suitability index, BCM-derived runoff estimates, and information on artificial recharge water movement and fate will provide a framework for identifying future recharge locations of interest to SBVMWD. Results from this effort will be documented in a draft interpretive report; this interpretive report is anticipated to be published in a later program year.

Deliverables: Written summary of work performed each quarter. Final interpretive report documenting the suitability index of artificial recharge locations and estimates of historical and future water availability for artificial recharge. Draft interpretive report evaluating the performance of existing artificial recharge projects, including the timing and movement of recharge water through the groundwater system, and comparison with suitability index results.

3d. Evaluate geologic structure

Geophysical tools will be used to evaluate the presence of unmapped geologic structures and to evaluate aquifer properties. Geophysical surveys, employing a range of methods, will be conducted and results will be analyzed with traditional geologic and hydrologic information. This subtask is a multi-year effort that began in the 2026 program year.

Ground-based geophysical surveys will be collected in the Santa Ana River/Mill Creek wash, downstream of and adjacent to the Santa Ana River spreading basins and Mill Creek spreading basins. The Santa Ana River/Mill Creek wash is appropriate for this study because it has limited urban infrastructure, and because of its proximity to artificial recharge sites. Shallow faults or structures identified in this area may locally influence artificial recharge activities and influence groundwater flow downgradient of the artificial recharge sites. A pilot study using several surface geophysical methods was conducted in May 2026 to evaluate the different methods and identify the methods best suited for the area of interest.

In the 2027 program year, a new suite of geophysical surveys will be collected in the same area as the 2026 program year surveys, using up to four geophysical survey methods, including: 1) walkable time-domain transient electromagnetics 2) gravity, 3) passive seismic interferometry, and 4) horizontal-to-vertical spectral ratio (HVSr) seismic. Other types of surface geophysical data may also be collected. The walkable time-domain and gravimeter surveys will be collected during the wet season to contrast with the pilot study surveys which were collected during the dry season. The passive seismic interferometry and horizontal-to-vertical spectral ratio (HVSr) seismic surveys will be conducted over days to weeks during targeted events of interest, such as recharge events; these methods involve deployed instruments that passively collect data for a pre-determined length of time. The data from the 2026 and 2027 geophysical surveys will be published in a USGS data release.

Pilot geophysical surveys will be collected downgradient of the Santa Ana and Mill Creek spreading basins to evaluate geologic structures and aquifer properties that may affect the fate and transport of artificial recharge water. These pilot surveys are anticipated to extend along the Santa Ana River wash to California Street, the proposed location of a new USGS monitoring-well site (task 6). Geophysical data collected near California Street may inform the location and development of the proposed monitoring-well site.

These results from the 2027 program year surveys will be combined with the pilot study survey results to evaluate the presence of geologic structures and evaluate the impact of geologic structures and earth materials on groundwater flow and storage. A draft interpretive report will be prepared documenting the findings from this effort; this interpretive report is anticipated to be published in a later program year.

Deliverables: Written summary of work performed each quarter. Summary of geophysical survey results. Published data releases of pilot study survey data (if not published in the 2026 program year) and new 2027 program year survey data. Draft interpretive report documenting the geophysical survey results and findings.

3e. Hydrologic characterization interpretive products

Interpretive products documenting and analyzing historical hydrologic conditions in the USAVGB will be prepared, incorporating work completed in tasks 2 and 3. These products will provide a comprehensive overview of surface-water flow and availability, groundwater-flow and availability, and water quality in the USAVGB since the mid-1900s through present-day. The focus of the report will be on conditions since the early 2000s, with an emphasis on the effects of groundwater pumping and artificial aquifer recharge on groundwater storage. Elements of other tasks will include historical changes in surface-water flow, groundwater-levels, and water quality (task 2), analysis of hydrostratigraphy and hydrogeologic facies (subtask 3a), historical water-budget components from the USGS BCM (subtask 3b), suitability and effectiveness of artificial recharge locations (subtask 3c), and evaluation of unmapped faults and changes in groundwater storage (subtask 3d).

In the 2024–2025 program year, work on this interpretive report focused on compiling and analyzing data in relevant subtasks. A draft plate showing historical changes in groundwater levels across the study area was submitted for preliminary USGS review. In the 2026 program year, work on individual subtasks continued, including the integration of new water quality data and hydrogeological framework with an emphasis on understanding groundwater flow along the Santa Ana River flow path.

In the 2027 program year, an interpretive report concerning groundwater flow along the Santa Ana River flow path, and potentially Newmark flow path, will be drafted and is anticipated to be in review early in the program year. Additionally, maps will be developed using elements of task 2 and 3a that show the modern-day groundwater tables in the shallow and deep aquifer systems across the study area. A plate showing historical changes in groundwater levels is anticipated to be published. A comprehensive interpretive report is planned that will synthesize the hydrologic characterization efforts encompassed in tasks 2 and 3, and provide a comprehensive analysis of hydrologic and hydrogeologic conditions in the USAVGB. The content of this comprehensive report is dependent on completion of FY27 program year tasks, therefore a draft report is planned for completion in later program years.

Deliverables: Written summary of work performed each quarter. Continue work on draft interpretive products documenting and analyzing historical hydrologic conditions in the USAVGB. Anticipated publication of plate showing historical groundwater level change.

4. Water-quality data in the Yucaipa Basin

The purpose of this task is to collect and summarize water-quality data collected from USGS multiple-depth monitoring-well sites and selected production wells in the Yucaipa Basin. This data will be used to support the interpretive work in Task 5 to provide better estimates of groundwater flow paths and travel time of groundwater recharge in different parts of the basin. In the 2023–2025 program years, water-quality samples were collected from the 4 USGS monitoring-well sites in the Yucaipa Basin (YVWC, YVDA, YVEP, and YV6E) and 13 selected production wells with historical records. The new samples collected at these wells extended the time-series of data and provided a present-day snapshot of water quality in the Yucaipa Basin. The water-quality data from these wells with historical data are being used in an interpretive report evaluating sources and timing of local groundwater recharge in the Yucaipa Basin (Task 5).

No new water quality data was collected in the 2026 program year, and no new water quality data will be collected in the Yucaipa Basin in the 2027 program year. This task is retained for consistency with recent program letters.

Total Cost: \$0 (SBVMWD: \$0, USGS: \$0)

Deliverables: No work will be performed on this task in the 2027 program year.

5. Local sources of groundwater recharge in the Yucaipa Basin

The purpose of this task is to better understand the groundwater chemistry and the hydrogeology of the Yucaipa Basin by investigating groundwater chemical signatures from USGS monitoring-well sites and selected production wells with historical water-quality data and new water-quality data collected in the 2023–25 program years. The work in this task will provide better estimates of groundwater flow paths and travel time of groundwater recharge in different parts of the basin, especially the fate and transport of artificial groundwater recharge at the Wilson Creek and Oak Glen Creek spreading basins. The work will also help to better understand the sources of groundwater recharge in the Yucaipa Basin, to and to better understand historical changes in groundwater chemistry with respect to nitrate contamination and local sources of groundwater recharge that may have contributed to increased nitrate concentrations in the basin. The results from this task will improve the conceptual and quantitative understanding of groundwater flow in the Yucaipa Basin and can be used to improve numerical simulations of groundwater flow in the YIHM. In the 2024-2025 program year, an interpretive report documenting the fate and transport of artificial recharge water was revised following USGS review and submitted for final approval and publication. This interpretive report received USGS approval in the 2026 program year and will be published in the 2026 or early 2027 program years.. In the 2026 program year, a second interpretive report of nitrate contamination

and local sources of groundwater recharge was submitted for review. This second report is anticipated to be published in the 2027 program year.

Total Cost: \$17,315 (SBVMWD: \$12,826, USGS: \$4,489)

Deliverables: Written summary of work performed each quarter. Publication of interpretive report documenting fate and transport of artificial recharge water (if not yet published in the FY26 program year). Anticipated publication of interpretive report of nitrate concentrations and local sources of groundwater recharge.

6. New U.S. Geological Survey monitoring-well site in the San Bernardino Basin

Effective monitoring of groundwater levels and water quality in wells downgradient of the Santa Ana River and Mill Creek artificial recharge sites is important to track the fate and transport of the water within the groundwater system. A new USGS monitoring-well site, SBCA (San Bernardino California Street), along the Santa Ana River will fill a gap in monitoring-well data and offer an opportunity to monitor groundwater-levels in real-time, collect regular water-quality samples, and track the flow of artificially recharged water at discrete depths below land surface. SBCA would be constructed and monitored in a fashion similar to other USGS monitoring-well sites in the San Bernardino Basin. SBCA would likely have a shallow piezometer at the water table, a deep piezometer below the pumping zone, and at least two piezometers at selected depths in between the shallow and deep piezometers. Each piezometer will be equipped to transmit groundwater-level readings in real time to the USGS NWIS database. In the 2027 program year, a formal proposal for the SBCA monitoring-well site will be prepared. The proposal will include physical scouting of potential well sites, location, scope, and costs for drilling, construction and development of up to six piezometers, and initial water-quality sampling.

Total Cost: \$12,704 (SBVMWD: \$9,564, USGS: \$3,140)

Deliverables: Written summary of work performed each quarter. Written proposal for drilling, construction, development, and water-quality sampling of USGS monitoring-well site, SBCA.

The proposed program for the October 1, 2026 – September 30, 2027 agreement period, including the 6 tasks and associated subtasks and costs, are as follows:

Ms. Heather Dyer, CEO/General Manager, San Bernardino Valley Municipal Water District

Task	Funding		
	SBVMWD	USGS	Total
1. Technical outreach and planning	\$ 49,774	\$ 10,524	\$ 60,298
2. Data collection and maintenance in the USAVGB	\$ 168,444	\$ 33,057	\$ 201,501
3. Evaluation of artificial recharge activities in the USAVGB	\$ 438,016	\$ 144,352	\$ 582,368
4. Water-quality data in the Yucaipa Basin	\$ -	\$ -	\$ -
5. Local sources of groundwater recharge in the Yucaipa Basin	\$ 12,826	\$ 4,489	\$ 17,315
6. New U.S. Geological Survey monitoring-well site in the San Bernardino Basin	\$ 9,564	\$ 3,140	\$ 12,704
TOTAL (Tasks 1-6)	\$ 678,624	\$ 195,562	\$ 874,186

Total cost for the proposed investigations program is **\$874,186**. Cost to SBVMWD is **\$678,624**. Subject to the availability of cooperative matching funds, the USGS will provide **\$195,652**. Total cost is for the agreement period October 1, 2026 through September 30, 2027.

Enclosed are two original Joint Funding Agreement's (JFA's) 22ZGJFA21000008 for your approval. Work performed with funds from this JFA will be conducted on a fixed-price basis. Billing for the agreement will be rendered on a quarterly basis. If you are in agreement with this proposed program, please return one signed original JFA to our office. The second JFA is for your files.

Thank you for your long-standing support of our collective efforts to better understand the water resources of the San Bernardino Valley.

Sincerely,

Anke Mueller-Solger
Director, USGS California Water Science Center

cc: Geoff Cromwell, Supervisory Research Geologist, Groundwater Availability and Use Program



United States Department of the Interior

U.S. GEOLOGICAL SURVEY
California Water Science Center
6000 J Street
Sacramento, CA 95819

June 17, 2026

Mr. Kai Palenscar
Project Manager II
San Bernardino Valley Municipal Water District
380 E Vanderbilt Way
San Bernadino, CA 92408

Dear Mr. Palenscar:

Enclosed is our standard joint-funding agreement 26ZGJFA08000074_Draft between the U.S. Geological Survey California Water Science Center and San Bernardino Valley Municipal Water District for negotiated deliverables (see attached), during the period July 1, 2026 through June 30, 2027 in the amount of \$159,955 from your agency. U.S. Geological Survey contributions for this agreement are \$32,457 for a combined total of \$192,412. Please sign and return one fully-executed original to Melanie Pham at mppham@usgs.gov or mail to the address above.

Federal law requires that we have a signed agreement before we start or continue work. Please return the signed agreement by **July 1, 2026**. If, for any reason, the agreement cannot be signed and returned by the date shown above, please contact Brock Huntsman at (916) 278-3117 or email bhuntsman@usgs.gov to make alternative arrangements.

This is a fixed cost agreement to be billed quarterly via Down Payment Request (automated Form DI-1040). Please allow 30-days from the end of the billing period for issuance of the bill. If you experience any problems with your invoice(s), please contact Melanie Pham at phone number (916) 278-3032 or mppham@usgs.gov.

The results of all work performed under this agreement will be available for publication by the U.S. Geological Survey. We look forward to continuing this and future cooperative efforts in these mutually beneficial water resources studies.

Sincerely,

Anke Mueller-Solger
Director, USGS California
Water Science Center

Enclosure
26ZGJFA08000074_Draft (2)

Fixed Cost Agreement YES[X] NO[]

THIS AGREEMENT is entered into as of July 1, 2026, by the U.S. GEOLOGICAL SURVEY, California Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the San Bernardino Valley Municipal Water District party of the second part.

1. The parties hereto agree that subject to the availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation for negotiated deliverables (see attached), herein called the program. The USGS legal authority is 43 USC 36C; 43 USC 50, and 43 USC 50b.

2. The following amounts shall be contributed to cover all of the cost of the necessary field and analytical work directly related to this program. 2(b) include In-Kind-Services in the amount of \$0.00

- (a) \$32,457 by the party of the first part during the period
July 1, 2026 to June 30, 2027
- (b) \$159,955 by the party of the second part during the period
July 1, 2026 to June 30, 2027
- (c) Contributions are provided by the party of the first part through other USGS regional or national programs, in the amount of: \$0

Description of the USGS regional/national program:

- (d) Additional or reduced amounts by each party during the above period or succeeding periods as may be determined by mutual agreement and set forth in an exchange of letters between the parties.
- (e) The performance period may be changed by mutual agreement and set forth in an exchange of letters between the parties.

3. The costs of this program may be paid by either party in conformity with the laws and regulations respectively governing each party.

4. The field and analytical work pertaining to this program shall be under the direction of or subject to periodic review by an authorized representative of the party of the first part.

5. The areas to be included in the program shall be determined by mutual agreement between the parties hereto or their authorized representatives. The methods employed in the field and office shall be those adopted by the party of the first part to insure the required standards of accuracy subject to modification by mutual agreement.

6. During the course of this program, all field and analytical work of either party pertaining to this program shall be open to the inspection of the other party, and if the work is not being carried on in a mutually satisfactory manner, either party may terminate this agreement upon 60 days written notice to the other party.

7. The original records resulting from this program will be deposited in the office of origin of those records. Upon request, copies of the original records will be provided to the office of the other party.

8. The maps, records or reports resulting from this program shall be made available to the public as promptly as possible. The maps, records or reports normally will be published by the party of the first part. However, the party of the second part reserves the right to publish the results of this program, and if already published by the party of the first part shall, upon request, be furnished by the party of the first part, at cost, impressions suitable for purposes of reproduction similar to that for which the original copy was prepared. The maps, records or reports published by either party shall contain a statement of the cooperative relations between the parties. The Parties acknowledge that scientific information and data developed as a result of the Scope of Work (SOW) are subject to applicable USGS review, approval, and release requirements, which are available on the USGS Fundamental Science Practices website (<https://www.usgs.gov/office-of-science-quality-and-integrity/fundamental-science-practices>).

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement
FOR
Water Resource Investigations

Customer #: 6000000809
Agreement #:
26ZGJFA08000074_Draft
Project #:
TIN #: 95-6005196

9. Billing for this agreement will be rendered quarterly. Invoices not paid within 60 days from the billing date will bear Interest, Penalties, and Administrative cost at the annual rate pursuant the Debt Collection Act of 1982, (codified at 31 U.S.C. § 3717) established by the U.S. Treasury.

USGS Technical Point of Contact

Name: Brock Huntsman
Biologist
Address: Placer Hall 6000 J Street
Sacramento, CA 95819
Telephone: (916) 278-3117
Fax: (n/a)
Email: bhuntsman@usgs.gov

Customer Technical Point of Contact

Name: Kai Palenscar
Project Manager II
Address: 380 E Vanderbilt Way
San Bernadino, CA 92408
Telephone: (909) 387-9259
Fax: (n/a)
Email: kaip@sbvmwd.com

USGS Billing Point of Contact

Name: Melanie Pham
Budget Analyst
Address: Placer Hall 6000 J Street
Sacramento, CA 95819
Telephone: (916) 278-3032
Fax: (n/a)
Email: mppham@usgs.gov

Customer Billing Point of Contact

Name: Cindy Saks
Chief Financial Officer
Address: 380 East Vanderbilt Way
San Bernardino, CA 92408
Telephone: (909) 387-9224
Fax: (909) 387-9247
Email: cindys@sbvmwd.com

U.S. Geological Survey
United States
Department of Interior

San Bernardino Valley Municipal Water District

Signature

By _____ Date: 6/17/2026
Name: Anke Mueller-Solger
Title: Director, USGS California Water Science
Center

Signatures

By _____ Date: _____
Name:
Title:

By _____ Date: _____
Name:
Title:

By _____ Date: _____
Name:
Title:

PROPOSAL PACKAGE

1. **COVER SHEET** (PDF)

Although the sheet itself is not uploaded to the [Office of Quality Assurance SharePoint site](#), the information (metadata) it contains IS required to successfully upload a proposal to the [National Proposal Repository](#)!

2. **CASHsheet** (MS Excel Worksheet)

Work with your Budget Analyst on the CASHsheet. This is supporting documentation for the budget summary section included in the proposal below. [CASHsheet help!](#)

3. **PROPOSAL** (THIS MS Word Document)

All the components in the following pages need to be combined into one MS Word document. Currently, only one proposal MS Word document can be uploaded to the [National Proposal Repository](#).

NOTE: Proposals may adopt a format required by the cooperator or program coordinator, as long as the required elements of the proposal are presented. In these cases, please indicate the need for a different format on the cover sheet in the “Remarks and Products” box or contact the Projects Program Coordinator ahead of time to discuss options.

Title: Fish Community Dynamics within the Santa Ana River
California Water Science Center, Southwest Region

Cooperator(s): San Bernardino Valley Municipal Water District

Author(s): Brock M. Huntsman

CAWSC Proposal # (assigned by the Projects Program Coordinator) Summary

Statement of Problem:

The Santa Ana sucker (*Pantosteus santaanae*, SAS) is one of few extant native freshwater fishes in southern California. There are numerous threats hypothesized to be responsible for the poor condition of SAS populations in the Santa Ana River. Consequently, SAS are part of the Upper Santa Ana Habitat Conservation Plan (HCP), which was developed as a comprehensive program to assist in the development of conservation activities to protect, enhance, and restore habitat for covered species in the watershed. Developing an HCP requires sufficient knowledge of the populations of interest to develop plans for their protection and management. Initial assessment of the available information within the HCP suggested that additional data collected on population density and habitat suitability are needed, both spatially and temporally, for development of a robust HCP.

Objectives

The ability to monitor population abundance and habitat availability with some level of confidence is important when developing plans such as the HCP and making management decisions. The objectives of this study are to:

1. Conduct population surveys to estimate native and non-native fish abundances from the Santa Ana River annually from 2026-2028 using methods established during previous surveys between 2015 and 2025.
2. Develop analysis of non-native fish population dynamics using fish surveys from the Santa Ana River.
3. Develop analysis of native fish population dynamics using native fish surveys and supplemental data collected by cooperators from the Santa Ana River.

Relevance and Impact:

The goal of the Upper Santa Ana HCP is to achieve conservation objectives that adhere to the federal Endangered Species Act while streamlining planning and permitting for water resource management projects designed to fulfill the water resource needs of the public. The monitoring and analyses proposed as part of this study have been designed to fill critical information gaps. This is needed to achieve the goals of the Upper Santa Ana HCP and also aligns with the goals and mission of the USGS.

Strategy and Approach:

A stratified random sampling design will be used within designated critical SAS habitat of the Santa Ana River. Approximately 45 new sites within the known occupied river will be randomly selected and sampled by backpack electrofishing to estimate true population size throughout the Santa Ana River each year. Habitat surveys will also be conducted using National Water-Quality Assessment Program (NAWQA) protocols to identify habitat associations with native fish distributions. These data will be used to

develop population estimates for native and non-native fish populations inhabiting the Santa Ana River each year.

We will use our fish surveys and population estimates to describe population dynamics of native and non-native fishes commonly encountered throughout the river and how environmental conditions affect these dynamics (e.g., how water temperature and wastewater outflow effect stock-recruitment relationships).

Summary Task Narratives(s)

Task 1: Native fish survey. All surveys will be completed by the end of September in FY26, FY27, and FY28 to be consistent with timing of surveys in previous years (Objective 1).

Task 2: Data release. Data associated with surveys will go through USGS quality-assurance/quality-control review and approval processes and will be published in ScienceBase on the current project landing page ([Native Fish Population and Habitat Studies, Santa Ana River, California - ScienceBase-Catalog](#)) by March of 2027, 2028, and 2029 (Objective 1).

Task 3: Non-native fish population dynamics. The project chief will develop fish population dynamic models for non-native fishes using native fish survey data (Objective 2).

Task 4: Native fish state-space stock-recruitment population model. The project chief will develop fish population dynamic models for native fishes using native fish survey data and data collected by cooperators (Objective 3).

Keywords: Community Structure, Fish Ecology, Invasive Species

Title: Fish Community Dynamics within the Santa Ana River
California Water Science Center, Southwest Region
Cooperator(s): San Bernardino Valley Municipal Water District
Author(s): Brock M. Huntsman
CAWSC Proposal # (assigned by the Projects Program Coordinator)

BACKGROUND/INTRODUCTION

The Santa Ana sucker (*Pantosteus santaanae*, SAS) is one of few extant native freshwater fishes in southern California. SAS was federally listed as threatened (state listed species of special concern) in 2000 due to habitat fragmentation and degradation in watersheds of southern California (U.S. Fish and Wildlife Service 2017). This federally listed species is endemic to the Santa Ana, San Gabriel, and Los Angeles Rivers (Big Tujunga Creek), where it has been extirpated from greater than 70% of its native range (U.S. Fish and Wildlife Service 2017).

The SAS population of the Santa Ana River is distributed downstream of the Seven Oaks Dam, where greater than 65% of flow is treated wastewater (Mendez & Belitz 2002). Flow regulation and an insufficient sediment supply below the dam, elevated water temperatures, and an expanding population of non-native predators (e.g., Largemouth Bass, *Micropterus salmoides*) are hypothesized as a few of many reasons for the poor condition of SAS within the Santa Ana River (Saiki & Martin 2007; U.S. Fish and Wildlife Service 2017; Wright & Minear 2019; Huntsman et al. 2022, 2023, 2024). Consequently, SAS are part of the Upper Santa Ana Habitat Conservation Plan (HCP), which was developed as a comprehensive program to assist in the development of conservation activities to protect, enhance, and restore habitat for covered species in the watershed. Developing an HCP requires sufficient knowledge of the populations of interest to develop plans for their protection and management.

PROBLEM/STUDY QUESTION(S)

Multiple agencies have been working to establish an HCP for the Santa Ana River watershed. The data currently available for two native fishes in the HCP area, SAS and arroyo chub (*Gila orcuttii*), are not sufficient to support the next step of the HCP planning and implementation process, which is the development of a robust monitoring program to inform future habitat and population management decisions; therefore, additional data on these two species are needed from the Santa Ana River. Initial assessment of available information suggested to the concerned parties that insufficient data was available to describe the distribution and status (e.g., declining populations) of both species for development of the HCP. Therefore, additional sampling that spatially and temporally extends the available data are needed on population density and availability of suitable habitat to support development of the HCP. The overall objective of this proposed work is to address those needs.

OBJECTIVES

The ability to monitor population abundance and habitat availability with some level of confidence is important when developing plans such as the HCP and making management decisions. The objectives of this study are to:

1. Continue population surveys to estimate native and non-native fish abundances from the Santa Ana River in 2026, 2027, and 2028 using methods established during previous surveys between 2015 and 2025.
2. Develop analysis of non-native fish population dynamics using fish surveys from the Santa Ana River.
3. Develop analysis of native fish population dynamics using native fish surveys and supplemental data collected by cooperators from the Santa Ana River.

RELEVANCE and BENEFITS

The USGS mission and vision as stated in the U.S. Geological Survey's 21st-Century Science Strategy 2020-2030 (U.S. Geological Survey 2021) is “to monitor, analyze, and predict current and evolving dynamics of complex human and natural Earth system interactions and to deliver actionable intelligence at scales and timeframes relevant to decision makers.” Furthermore, the second goal of the USGS Water Science Strategy (Evenson et al. 2013) is to “Advance Understanding of Processes that Determine Water Availability.” The goal of the Upper Santa Ana HCP is to achieve conservation objectives that adhere to the federal Endangered Species Act while streamlining planning and permitting for water resource management projects designed to fulfill the water resource needs of the public. The monitoring and analyses proposed as part of this study have been designed to fill critical information gaps. This is needed to achieve the goals of the Upper Santa Ana HCP and also aligns with the goals and mission of the USGS as previously described.

The second goal of the USGS Water Science Strategy (Evenson et al. 2013) is to “Advance Understanding of Processes that Determine Water Availability”. This study will be particularly relevant to this second goal because unbiased interpretation of catch data is needed for for operations of a wastewater treatment plant which contributes greater than 60% of surface flows in the Santa Ana River below the treatment plant. The Water Science Strategy specifically states that areas of research include “Science that examines the effects of water contamination and pollution on the functioning of ecosystems. Science that improves our understanding of adaptation strategies to assist in the conservation of plants and animals in ecosystems that experience change in water supplies in response to climate variability. Science that supports the ability to restore and conserve aquatic ecosystems.”

PROJECT SCOPE and APPROACH

The Santa Ana River basin is the largest coastal basin in southern California, draining an area of approximately 6,900 km² (Figure 1). Greater than 70% of the basin is covered by urban areas. The basin is divided into two level III ecoregions, the Southern California Mountains and the Southern California/Northern Baja Coast (Griffith et al. 2016). The river is highly braided with the potential to shift or create and disengage braids after large storm events. Surveys for this study will occur in September within the middle Santa Ana River currently designated as critical SAS habitat (U.S. Fish and Wildlife Service 2017), from above the Prado Dam to the Rialto channel (Figure 1).

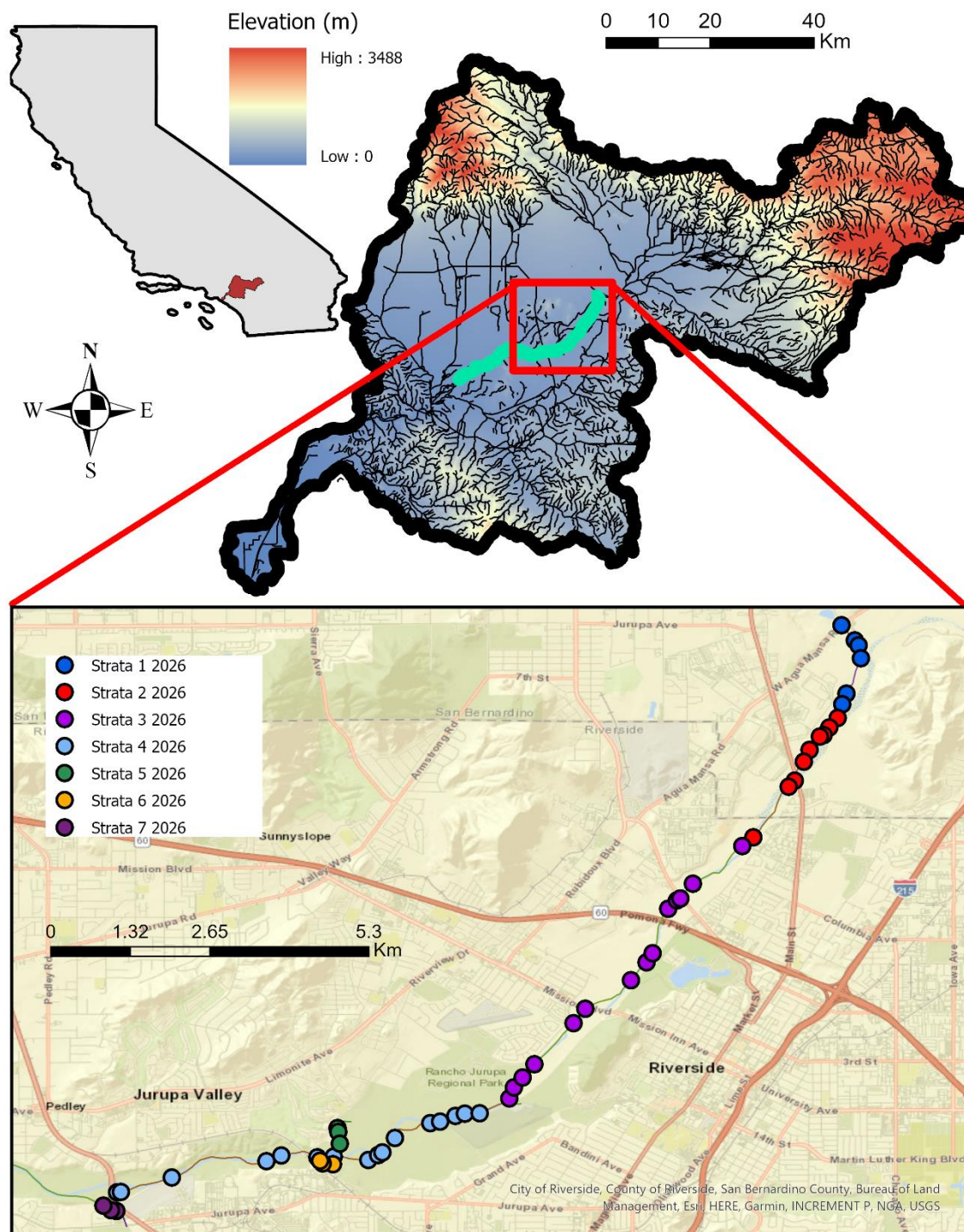


Figure 1. Sampling locations planned for native fish surveys to be conducted by the USGS in 2026 in the Santa Ana River, California. The highlighted light blue stream layer represents known critical SAS habitat in the Santa Ana River.

Objective 1: Native Fish Surveys

A stratified random sampling design will be used within designated critical SAS habitat of the Santa Ana River (Figure 1, ~ 16km of stream). Four main stem strata, and three tributaries if time permits (Sunnyslope Channel-Stratum 5, Anza Ditch-Stratum 6, and

Hole Creek-Stratum 7), within the critical SAS habitat will be selected based on current knowledge about mechanisms affecting fish distributions within the river (Figure 1). A total of 45 50-m stream reaches will be randomly selected within the main stem of the Santa Ana River (an additional 9 tributary sites from strata 5-7). We will maintain the inclusion of six 3-pass removal sampling methods to adjust catch data for imperfect detection efficiency (see below). Prior to fish sampling, each 50-m sampling reach will be delineated using georeferenced coordinates, flagging tape, and a measuring tape. The upper and lower ends of the sampling reach will be measured with a measuring tape, and flagging will be used to identify the start and end.

Within each sampling reach, backpack electrofishing surveys using tandem electrofishing units (2 - 4 people) will progress from the downstream end to the upstream end of the sampling reach. In addition to individuals using electrofishing units, a netter will be assigned to each electrofisher and three or more people will deploy a seine just downstream of the electrofishing units. During electrofishing, units will push fish downstream into the seine if not captured by the associated netter. At least two removal passes per sampling reach will be conducted for all sampling reaches and each fish captured will be identified, measured for weight (± 0.1 g) and fork length (± 1 mm), and each native fish will be returned to the stream. Block nets at the upper and lower end of a sampling reach will only be used for closed removal sampling reaches ($n = 6$), because use of block nets for all sampling reaches is not logistically possible with currently available resources. Preliminary analyses indicated that block-nets explained little variability in detection efficiency of SAS when not used (see SAS survey data with and without removal sampling from Wulff & Brown 2020; Wulff et al. 2021, 2022), suggesting few fishes moved into or out of the sampling reach when block nets have not been used. However, including a subset of samples with block-nets allows for addressing closure assumption violations when fitting abundance models following methods described in Perry et al. (2016), if sampling without block-nets in fact violates the closure assumption.

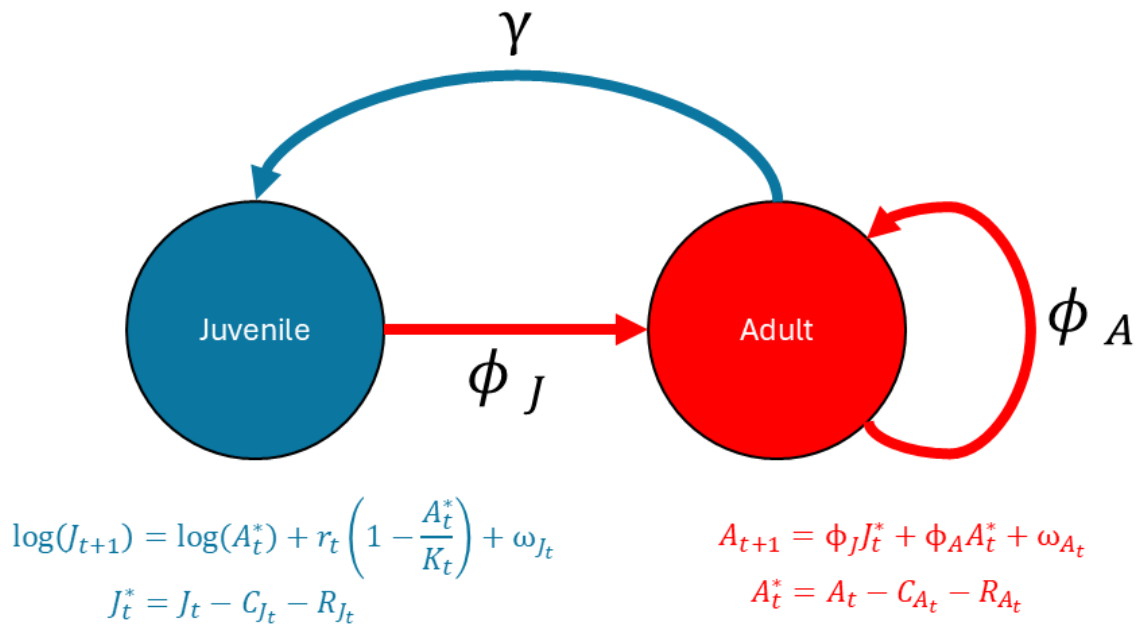
Habitat surveys will be conducted within each stream reach surveyed for fishes using USGS stream habitat survey protocols for the National Water-Quality Assessment Program (NAWQA; Fitzpatrick et al. 1998). Six transects per reach will be surveyed within a reach, and 10 habitat measurements will be made at equal distances across the transect. Measurements will include wetted channel width at each transect, which will be used to estimate sampling intervals for the remaining habitat variables to be collected. Stream depth (± 1 cm), stream velocity (± 0.1 m/s) and dominant substrate (i.e., silt, sand, gravel, cobble, boulder, bedrock) will be measured using a wading staff and flow meter (Marsh-McBirney 2000 or HACH HS 950.1 digital flow meter). Canopy cover will be measured with a concaved spherical densiometer, and potential fish refugia will be classified (e.g., overhanging vegetation, undercut bank) at each interval along the transect.

Objective 2: Fish Population Dynamics and Resource Management

Non-native fish communities throughout the Santa Ana River have changed dramatically since the start of our native fish surveys in 2015. These shifts are hypothesized to reflect various habitat alterations, water-management actions, and targeted removal efforts implemented throughout the watershed. Our previous analyses

have found a strong negative association between non-native piscivores (e.g., Largemouth Bass, Channel Catfish, Yellow Bullhead) and the native fishes in which our survey was designed to monitor (Santa Ana Sucker and Arroyo Chub; Huntsman et al. 2022). Understanding the demographic mechanisms that drive non-native fish population dynamics and how these mechanisms in turn affect native fish population dynamics is essential for interpreting observed community changes and for identifying management actions that may benefit native species.

To address this need, we will develop state-space stage-structured stock-recruitment models to describe population dynamics of non-native fishes currently detected during our fish surveys (see Figure 2). The modeling framework for modeling non-native fishes is similar to that described in Diallo et al. (2025) and will incorporate (1) a stratified random sampling design that has been the framework by which fish surveys have occurred in this system since 2015; (2) non-native fish removal processes that are currently employed by cooperators during our surveys and throughout the year; (3) use length-frequency information to account for stage-structure in the non-native fish community; and (4) account for various environmental conditions that are hypothesized to impact demographic rates of these fishes (e.g., wastewater outflow, temperature). Population dynamics will be represented using a stage-structured population model (e.g., Ricker) with at least two age/stage-classes (juveniles - J and adults - A) (Figure 2).



Φ = apparent survival
 γ = Recruitment ($r_t \left(1 - \frac{A_t^*}{K_t}\right)$)
 ω = Process error
 K = Carrying Capacity
 r = intrinsic growth rate

J_t = Number of juveniles at time t
 C = Number removed during sampling
 R = Number removed during non-sampling
 $*$ = Number of individuals not removed
 A = Number of Adults

Figure 2. Life-cycle model with Ricker Stock-Recruitment model of non-native fishes found in the Santa Ana River, California. Equations in blue and red reflect state processes affecting the latent state abundance of Juveniles (J) and Adults (A). The gray box defines parameters of the stock-recruitment equations. Note that the equations that include an “*” reflect accounting for fish removals either during native fish surveys (C) or during supplemental removal efforts conducted by cooperators (R).

We will build in length-frequency information for each species from surveys collected on a subset of individual in each sampling site (likely using finite normal mixture models), where the length of individual fish i (L_i) will be modeled using a two-component mixture (maybe more if more than 2 states can easily be detected with analyses) with the following form:

Equation 1
$$L_i | z_i = stage \sim Normal(\mu_{stage}, \sigma_{stage}^2)$$

Equation 2
$$z_i \sim Categorical(\pi_{Juvenile}, \pi_{Adult}), \pi_{Adult} = 1 - \pi_{Juvenile}$$

Where z is a latent state variable indicating the stage of fish i . The μ and σ are the mean and variance in length for fish in either the juvenile or adult stage. Lastly, π is the probability that a randomly captured fish would be in the adult or juvenile stage.

The total catch (C) can then be partitioned into either a juvenile or adult stage (see Figure 1) using the following stage-specific probabilities (Equation 3).

Equation 3
$$C_{Juvenile} \sim Binomial(C, \pi_{Juvenile}), C_{Adult} = C - C_{Juvenile}$$

Given these relationships, we can then build a stage-structured life-cycle model from our longterm fish surveys and use this information to investigate how habitat and management actions may influence non-native fish distributions throughout the Santa Ana River.

Objective 3

All data collected under previous agreements, as well as data gathered for Objective 1 and data independently collected by cooperating partners (e.g., larval fish surveys collected since 2015), will be integrated within a state-space analytical framework. This framework will be used to (a) evaluate whether non-native fish populations can be reduced to extirpation under various environmental conditions (e.g. flow, temperature – see Objective 2), removal strategies and potential water management actions (e.g., controlled wastewater outflow), and (b) assess whether those same conditions support the long-term persistence of native fish populations. Building on prior population dynamic analyses that modeled adult native fish time series to estimate extirpation risk (Huntsman et al. 2024), we will expand the framework to incorporate stock–recruitment relationships using supplemental larval fish data from cooperators. This framework uses state-space methods to estimate state demographic processes (survival, recruitment) to explain population change and use various environmental and biological conditions to describe demographic rates (Figure 3). Consequently, latent state abundance of juvenile and adult non-native fishes (Objective 2; J and A from Figure 2) can then be used, along with environmental covariates, to describe changes in demographic rates of native fishes (e.g., α , β , and Φ parameters described in Figure 3).

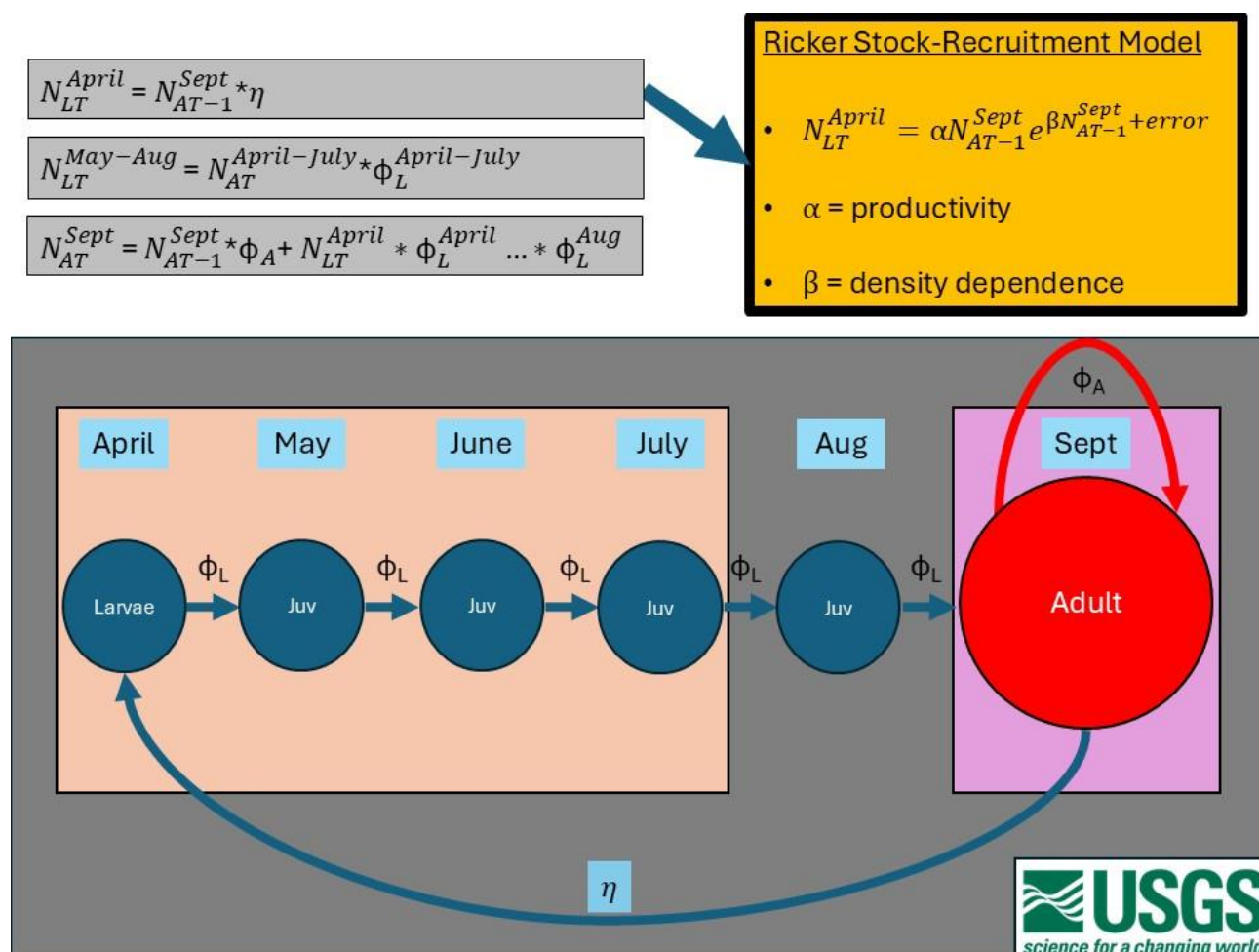


Figure 3. Conceptual state-space stock-recruitment model to be fit to sucker survey data collected within the Santa Ana River, California. The tan box represents data that is available during larval fish surveys and the purple box reflects data available during native fish surveys (Objective 1). The conceptual recruitment process is represented by the η parameter which is defined in this example as the Ricker stock-recruitment model with the productivity (α) and density-dependence (β) parameters shown. Additional apparent survival and transition into the next state, represented by month, is shown as Φ .

QUALITY ASSURANCE/QUALITY CONTROL

Field data collection QAQC procedures established by the California Water Science Center Aquatic Ecology Group (AEG) will be followed for this study. All product development (reports and manuscripts) will be subject to established USGS Fundamental Science Practices.

LABORATORY EVALUATION PLAN

NA

PRODUCTS

Results of the population estimate survey and population dynamics analysis will be presented annually, or more frequently by request, to the SBVMWD as well as to other interested parties. We will continue to refine and develop draft manuscripts describing

the results of the population abundance and habitat use collected to date. We will participate in the Santa Ana River science symposium as requested by SBVMWD to support monitoring and management of Santa Ana River fishes. All data collected during surveys will be made publicly available as USGS Data Releases linked from and grouped under the “Native Fish Population and Habitat Studies, Santa Ana River, California” project/collection landing page in ScienceBase (<https://www.sciencebase.gov/catalog/item/63360a12d34e900e86c8e611>).

MAP OF STUDY AREA

See Figure 1

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TIMELINE

All surveys (Task 1) will be completed by the end of September each year by the project chief and a fish biologist (GS 011/5), to be consistent with timing of surveys in previous years (Objective 1). Data associated with surveys will go through USGS quality-assurance/quality-control review and approval processes and will be published in ScienceBase on the current project landing page ([Native Fish Population and Habitat Studies, Santa Ana River, California - ScienceBase-Catalog](#)) by March after data is collected by a GS 11/5 fish biologist (Task 2). The project chief will analyze survey data and provide cooperators quarterly progress reports, attend the annual Santa Ana River Science Symposium meeting, and provide an estimate of native fish abundance within the Santa Ana River by June each year. The project chief will develop a draft analysis of native and non-native fish population dynamics (Objective 2-3, Tasks 3-4) and present results to cooperators during quarterly progress reporting and annual science symposium meetings by the end of FY 2027, 2028, and 2029. Analyses and a draft document (manuscript or official USGS report) associated with Objectives 2 and 3 will be completed by the end of FY 2028 and 2029.

Task or Element	FY 2026				FY 2027				FY 2028				FY 2029			
	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
Task 1: Survey				X				X				X				
Task 2: Data Release				X	X	X		X	X	X		X	X	X		

Tasks 2-4: Data Analysis					X	X	X	X	X	X	X	X	X	X		
Task 2: Progress Reports				X	X	X	X	X	X	X	X	X	X	X	X	
Task 2-4: Preparation and attend SAR Science Symposium					X	X			X	X			X	X		
Task 3-4: Product Development						X	X	X	X	X	X	X	X	X	X	

PERSONNEL

Project Chief: Brock Huntsman, GS-13 Fish Biologist, bhuntsman@usgs.gov
 Fish Biologist GS 11/05

BUDGET SUMMARY

Task	Budget Item	FY 2026	FY 2027	FY 2028	FY 2029
Agreement 1					
1-Survey	GS 13/05	\$26,558.21			
1-Survey	GS 11/05	\$20,621.62			
All	Supplies	\$9,382.85			
1-Survey	Travel	\$14,504.72			
1-Survey	Vehicles	\$7,975.42			
2-Data	GS 13/05		\$7,318.41		
2-Data	GS 11/05		\$22,419.97		
3-Analysis	GS 13/05		\$47,569.66		
3-Product	Page Charges		\$6,896.39		
1-3 Product	GS 13/05		\$4,391.05		
1-3 Product	GS 11/05		\$17,935.98		
1-3 Meeting	Travel		\$6,838.47		
All	Total Cooperator Funds	\$65,709.46	\$94,246.08		
All	USGS Center Matching Funds	\$13,333.37	\$19,123.85		
All	Total	\$79,042.83	\$113,369.93		
Agreement 2					
1-Survey	GS 13/05		\$28,663.77		
1-Survey	GS 11/05		\$21,952.89		
All	Supplies		\$9,851.99		

1-Survey	Travel		\$15,229.96		
1-Survey	Vehicles		\$8,374.19		
2-Data	GS 13/05			\$7,684.33	
2-Data	GS 11/05			\$23,540.97	
3-4 Analysis	GS 13/05			\$49,948.14	
3-4 Product	Page Charges			\$7,241.21	
1-4 Product	GS 13/05			\$4,610.60	
1-4 Product	GS 11/05			\$18,832.78	
1-4 Meeting	Travel			\$7,180.39	
All	Total Cooperator Funds		\$69,890.96	\$98,958.39	
All	USGS Center Matching Funds		\$14,181.85	\$20,080.04	
All	Total		\$84,072.81	\$119,038.43	
Agreement 3					
1-Survey	GS 13/05			\$30,096.96	
1-Survey	GS 11/05			\$23,050.53	
All	Supplies			\$10,344.59	
1-Survey	Travel			\$15,991.46	
1-Survey	Vehicles			\$8,792.90	
2-Data	GS 13/05				\$8,068.55
2-Data	GS 11/05				\$24,718.02
4-Analysis	GS 13/05				\$52,445.55
4-Product	Page Charges				\$7,603.28
1, 2, 4 Product	GS 13/05				\$4,841.13
1, 2, 4 Product	GS 11/05				\$19,774.42
1, 2, 4 Meeting	Travel				\$7,539.41
All	Total Cooperator Funds			\$73,385.50	\$103,906.31
All	USGS Center Matching Funds			\$14,890.95	\$21,084.04
All	Total			\$88,276.45	\$124,990.35

Note that % CMF for a JFA at the time of budget preparation (6/10/2026) = 16.9%

[DATA MANAGEMENT AND INFRASTRUCTURE PLANNING QUESTIONNAIRE](#)



Native fish survey
proposal Huntsman

Revised 07/15/2025

JOB HAZARAD ANALYSIS



Native fish survey
proposal Huntsman

UNITED STATES GEOLOGICAL SURVEY
COSTS FOR WATERMASTER DATA COLLECTION SERVICES

WESTERN - SAN BERNARDINO WATERMASTER
SANTA ANA RIVER WATERMASTER
October 1, 2026 to September 30, 2027

	Total Cost	U.S.G.S. Share	Agencies Share	Contract Agency	IEUA	Individual Agency share of cost:				
						OCWD	SBVMWD	WMWD	SGPWA	
<u>USGS Contract with SBVMWD</u>										
WESTERN - SAN BERNARDINO WATERMASTER (from TABLE NO. 1)	\$ 402,210	\$ 72,570	\$ 329,640	SBVMWD	\$ -	\$ -	\$ 164,820	\$ 164,820	\$ -	
SANTA ANA RIVER WATERMASTER (from TABLE NO. 2)	\$ 184,690	\$ 36,320	\$ 148,370	SBVMWD	\$ 29,674	\$ 59,348	\$ 29,674	\$ 29,674	\$ -	
NOT PART OF W-SB NOR SAR WM WORK (RIX Outflow at SAR)	\$ 10,630	\$ 4,750	\$ 5,880	SBVMWD	\$ -	\$ -	\$ 5,880	\$ -	\$ -	
USGS Groundwater Level Monitoring Program	\$ 637,410	\$ 39,480	\$ 597,930	SBVMWD	\$ -	\$ -	\$ 597,930	\$ -	\$ -	
Yucaipa Sustainable Groundwater Management Agency	\$ 109,820	\$ 5,880	\$ 103,940	SBVMWD	\$ -	\$ -	\$ 87,310	\$ -	\$ 16,630	
Cost to Individual Agency for USGS Data Collection under USGS contract with SBVMWD	\$ 1,344,760	\$ 159,000	\$ 1,185,760	SBVMWD	\$ 29,674	\$ 59,348	\$ 885,614	\$ 194,494	\$ 16,630	

Watermaster Agency Shares	\$ 283,516
Yucaipa SGMA Stations	\$ 103,940
SGPWA 16% Share of Yucaipa SGMA	\$ 16,630
Various Partner Amount	\$ 300,146
SBVMWD NET COST	\$ 885,614

DATE: August 4, 2026
TO: Board of Directors
FROM: Michael Plinski, Chief of Water Resources
SUBJECT: State Water Project Update

Staff Recommendation

Receive a verbal update on the State Water Project, Sites Reservoir Project, and Delta Conveyance Project.



**SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT
TREASURER'S REPORT
FOR THE MONTH OF JUNE 2026**

RECOMMENDATION:

APPROVE THE CASH DISBURSEMENTS FOR THE MONTH OF JUNE 2026
FOR THE FOLLOWING FUNDS:

	CURRENT MONTH	FISCAL YEAR TO DATE
STATE WATER CONTRACT FUND	\$ 3,063,910.97	\$ 74,312,443.22
GENERAL FUND	\$ 3,520,541.58	\$ 91,491,164.20

STATE WATER CONTRACT FUND
PROFIT AND LOSS BUDGET VS. ACTUAL
FOR THE 12 MONTHS ENDING JUNE 30, 2026

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	DIFFERENCE	PCNT
	<u>REVENUE</u>					
49200	INVESTMENT INCOME	1,412,840.22	23,180,342.09	23,000,000.00	(180,342.09)	100.8
49400	SUCCESSOR AGENCY RDA PASS THRU	.00	41,906,150.42	43,932,000.00	2,025,849.58	95.4
49500	RETURN OF RESERVES/BOND COVER	219,370.00	8,268,048.00	8,000,000.00	(268,048.00)	103.4
49660	PROPERTY TAXES	59,049.30	73,773,576.78	68,597,500.00	(5,176,076.78)	107.6
	TOTAL REVENUE	1,691,259.52	147,128,117.29	143,529,500.00	(3,598,617.29)	102.5
	TOTAL SWC REVENUE	1,691,259.52	147,128,117.29	143,529,500.00	(3,598,617.29)	102.5
	<u>EXPENDITURES</u>					
62800	FIELD IMPROVEMENTS	.00	695,973.17	14,100,000.00	13,404,026.83	4.9
63200	LEGAL / FINANCIAL ADVISORY FEE	.00	.00	150,000.00	150,000.00	.0
63800	AUDIT FEES	3,096.00	43,532.00	42,000.00	(1,532.00)	103.7
64100	STATE WATER CONTRACTOR FEES	.00	256,347.00	350,000.00	93,653.00	73.2
64350	ADMINISTRATIVE FEE	.00	3,610,000.00	3,430,000.00	(180,000.00)	105.3
	<u>DWR PAYMENTS</u>					
66010	CAPITAL COST DELTA	.00	4,091,178.00	4,091,178.00	.00	100.0
66050	CAPITAL COST TRANSPORTATION	.00	3,146,752.00	3,146,752.00	.00	100.0
66100	MINIMUM OMP&R TRANSPORTATION	2,359,721.00	25,464,869.00	25,464,869.00	.00	100.0
66150	MINIMUM OMP&R DELTA	447,833.00	5,784,365.00	5,784,365.00	.00	100.0
66200	VARIABLE	119,705.00	6,054,265.00	12,000,000.00	5,945,735.00	50.5
66250	WATER SYSTEM REVENUE BOND	.00	4,042,907.00	4,042,907.00	.00	100.0
66300	OFF AQUEDUCT VARIABLE	2,479.00	34,145.00	34,145.00	.00	100.0
66350	EAST BRANCH ENLARGEMENT	32,030.00	337,697.00	337,697.00	.00	100.0
66400	EAST BRANCH EXTENSION	.00	18,459,906.00	18,459,906.00	.00	100.0
66450	TEHACHAPI 2ND AFTERBAY	.00	317,213.00	317,213.00	.00	100.0
66500	SITES RESERVOIR PROJECT	.00	.00	25,000,000.00	25,000,000.00	.0
	TOTAL SWC EXPENDITURES	2,964,864.00	72,339,149.17	116,751,032.00	44,411,882.83	62.0
	NET REVENUE OVER EXPENDITURES	(1,273,604.48)	74,788,968.12	26,778,468.00	(48,010,500.12)	279.3

SAN BERNARDINO VALLEY MUNICIPAL WTR DIST
PROFIT AND LOSS BUDGET VS. ACTUAL
FOR THE 12 MONTHS ENDING JUNE 30, 2026

GENERAL FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	DIFFERENCE	PCNT
	<u>REVENUES</u>					
49000	WATER SALES	193,990.92	18,100,571.38	10,548,000.00	(7,552,571.38)	171.6
49200	INVESTMENT INCOME	309,438.94	4,320,195.82	5,050,000.00	729,804.18	85.6
49250	GRANT INCOME	3,599.87	4,196,429.39	2,267,000.00	(1,929,429.39)	185.1
49290	BASELINE FEEDER CAP. CONTRIB.	3,000.00	442,424.72	482,000.00	39,575.28	91.8
49500	OTHER INCOME	784,576.67	5,431,946.36	11,159,000.00	5,727,053.64	48.7
49520	ADMINISTRATIVE INCOME	.00	3,610,000.00	3,430,000.00	(180,000.00)	105.3
49660	S.B. CO TAXES	11,630.33	15,840,796.13	14,800,000.00	(1,040,796.13)	107.0
49770	RIVERSIDE CO TAXES	205.93	216,389.87	226,000.00	9,610.13	95.8
49800	SUCCESSOR AGENCY PASS THROUGH	4,034.85	9,840,880.33	10,070,000.00	229,119.67	97.7
49820	LEASE REVENUE	13,466.67	125,050.04	122,600.00	(2,450.04)	102.0
	TOTAL REVENUES	1,323,944.18	62,124,684.04	58,154,600.00	(3,970,084.04)	106.8
	TOTAL GENERAL FUND REVENUE	1,323,944.18	62,124,684.04	58,154,600.00	(3,970,084.04)	106.8

SAN BERNARDINO VALLEY MUNICIPAL WTR DIST
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 12 MONTHS ENDING JUNE 30, 2026

GENERAL FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	DIFFERENCE	PCNT
<u>PAYROLL & BENEFITS</u>						
61000	SALARIES	534,660.15	6,699,324.63	6,910,000.00	210,675.37	97.0
61100	OVERTIME	5,577.24	42,936.52	150,000.00	107,063.48	28.6
61140	ON-CALL PAY	423.66	5,693.68	50,000.00	44,306.32	11.4
61200	DIRECTORS FEES	13,455.00	157,274.00	179,400.00	22,126.00	87.7
61300	PERS RETIREMENT	82,385.56	1,873,699.83	2,015,000.00	141,300.17	93.0
61370	DEFERRED COMPENSATION EXPENSE	.00	31,000.00	31,000.00	.00	100.0
61400	PAYROLL TAXES	41,419.55	466,548.33	501,000.00	34,451.67	93.1
61500	HEALTH INSURANCE	107,932.46	1,192,414.84	1,266,000.00	73,585.16	94.2
61600	DENTAL INSURANCE	7,762.69	85,729.87	89,000.00	3,270.13	96.3
61700	VISION, DISABILITY AND LIFE IN	4,488.26	54,139.25	60,000.00	5,860.75	90.2
61800	WORKERS COMP INS	.00	80,711.39	110,000.00	29,288.61	73.4
62000	HEALTH/DEPENDENT CARE PLAN	12,088.78	93,078.37	85,000.00	(8,078.37)	109.5
	TOTAL PAYROLL & BENEFITS	810,193.35	10,782,550.71	11,446,400.00	663,849.29	94.2
<u>LONG TERM DEBT</u>						
62300	COP DEBT SERVICE PAYMENTS	.00	220,000.00	220,000.00	.00	100.0
62350	INTEREST	.00	1,628,958.33	1,433,500.00	(195,458.33)	113.6
	TOTAL LONG TERM DEBT	.00	1,848,958.33	1,653,500.00	(195,458.33)	111.8
<u>FIXED ASSET IMPROVEMENTS</u>						
62400	PIPELINE CONTROL SYSTEM	23,770.00	118,452.15	270,000.00	151,547.85	43.9
62500	OFFICE EQUIPMENT	6,330.64	325,117.14	394,000.00	68,882.86	82.5
62600	VEHICLE REPLACEMENT	.00	176,169.72	160,000.00	(16,169.72)	110.1
62800	FIELD IMPROVEMENTS	25,104.00	6,722,565.18	9,195,000.00	2,472,434.82	73.1
62850	LAND / PROPERTY PURCHASE	.00	200.00	4,200,000.00	4,199,800.00	.0
	TOTAL FIXED ASSET IMPROVEMENTS	55,204.64	7,342,504.19	14,219,000.00	6,876,495.81	51.6
<u>OPERATIONS & MAINTENANCE</u>						
62950	PURCHASED WATER	.00	1,803,422.47	2,356,250.00	552,827.53	76.5
62970	LOCAL RESOURCES INVESTMENT PRO	.00	1,210,497.22	1,200,000.00	(10,497.22)	100.9
64600	UTILITIES/COMMUNICATIONS	281,711.31	1,279,268.87	1,827,000.00	547,731.13	70.0
64700	MAINTENANCE & REPAIRS	91,845.61	1,491,851.08	1,155,000.00	(336,851.08)	129.2
64900	FIELD SUPPLIES	26,030.56	61,218.71	42,000.00	(19,218.71)	145.8
64950	SAFETY TRAINING AND EQUIPMENT	300.61	5,614.54	10,000.00	4,385.46	56.2
65400	YUCAIPA LAKES	.00	33,825.00	60,000.00	26,175.00	56.4
66100	SPREADING GROUNDS MAINTENANCE	.00	510,178.29	537,000.00	26,821.71	95.0
67200	WATER QUALITY TESTING	.00	.00	5,000.00	5,000.00	.0
	TOTAL OPERATIONS & MAINTENANCE	399,888.09	6,395,876.18	7,192,250.00	796,373.82	88.9
<u>SPECIAL SERVICES</u>						
63200	HOUSE COUNSEL	.00	317,409.33	350,000.00	32,590.67	90.7
63300	SPECIAL COUNSEL	.00	598,591.50	350,000.00	(248,591.50)	171.0
63400	WATERMASTER	.00	12,097.00	27,000.00	14,903.00	44.8
63600	CONSULTANTS	69,254.68	3,173,206.93	4,982,750.00	1,809,543.07	63.7
63800	DISTRICT AUDIT	.00	35,500.00	45,000.00	9,500.00	78.9
66400	WATER CONSERVATION & EDUCATIO	.00	732,237.63	2,635,000.00	1,902,762.37	27.8
66420	SPONSORSHIPS	3,000.00	145,350.00	158,350.00	13,000.00	91.8
66450	EXTERNAL AFFAIRS/STRATEGIC COM	11,849.96	235,843.11	453,000.00	217,156.89	52.1

SAN BERNARDINO VALLEY MUNICIPAL WTR DIST
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 12 MONTHS ENDING JUNE 30, 2026

GENERAL FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	DIFFERENCE	PCNT
67800	ENVIRONMENTAL / HCP	1,185.25	2,779,960.41	2,016,000.00	(763,960.41)	137.9
67850	HEADWATER RESILIENCE PROGRAM	.00	109,975.17	295,000.00	185,024.83	37.3
68200	SECURITY	.00	.00	20,000.00	20,000.00	.0
	TOTAL SPECIAL SERVICES	85,289.89	8,140,171.08	11,332,100.00	3,191,928.92	71.8
	<u>SPECIAL PROGRAMS</u>					
63500	USGS DATA	.00	1,329,518.58	2,523,000.00	1,193,481.42	52.7
63900	SAWPA	.00	2,286,296.60	2,503,000.00	216,703.40	91.3
64500	WATERSTOCK ASSESSMENT	.00	7,200.35	7,800.00	599.65	92.3
66900	EMERGENCY PREPAREDNESS	.00	.00	7,500.00	7,500.00	.0
68000	LAFCO ANNUAL FUNDING SHARE	.00	30,000.00	30,000.00	.00	100.0
	TOTAL SPECIAL PROGRAMS	.00	3,653,015.53	5,071,300.00	1,418,284.47	72.0
	<u>GENERAL OFFICE</u>					
64300	LIABILITY INS	.00	455,054.80	390,000.00	(65,054.80)	116.7
64800	OFFICE EXPENSE	7,020.51	86,975.33	83,000.00	(3,975.33)	104.8
65000	EDUCATION AND TRAINING	7,149.71	40,628.08	155,000.00	114,371.92	26.2
65300	BANK CHARGES-TRUSTEE FEES	683.69	25,388.37	10,000.00	(15,388.37)	253.9
65700	POSTAGE	265.96	2,869.79	4,000.00	1,130.21	71.7
65800	DUES & SUBSCRIPTIONS	33,892.14	532,680.98	698,475.00	165,794.02	76.3
66000	TAXES & LICENSES	30.00	61,966.88	134,500.00	72,533.12	46.1
66500	PUBLIC NOTICES	.00	6,866.75	5,000.00	(1,866.75)	137.3
	TOTAL GENERAL OFFICE	49,042.01	1,212,430.98	1,479,975.00	267,544.02	81.9
	<u>TRAVEL, MEALS & LODGING</u>					
64000	VEHICLE EXPENSE	5,795.34	84,184.08	125,000.00	40,815.92	67.4
64100	TRAVEL	610.80	42,718.47	60,000.00	17,281.53	71.2
64200	MEALS & LODGING	1,773.20	59,944.48	55,000.00	(4,944.48)	109.0
	TOTAL TRAVEL, MEALS & LODGING	8,179.34	186,847.03	240,000.00	53,152.97	77.9
	<u>DEPRECIATION</u>					
	DEPRECIATION	.00	.00	.00	.00	.0
	TOTAL FUND EXPENDITURES	1,407,797.32	39,562,354.03	52,634,525.00	13,072,170.97	75.2
	NET REVENUE OVER EXPENDITURES	(83,853.14)	22,562,330.01	5,520,075.00	(17,042,255.01)	408.7

**SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT
INVESTMENT SUMMARY
JUNE 30, 2026**

INVESTMENT DESCRIPTION	SECURITY TYPE	INSTITUTION	MATURITY DATE	PAR VALUE	SETTLEMENT DATE	PURCHASE PRICE	ACCRUED INTEREST	MARKET VALUE	BOOK YIELD RATE	CUSIP
STATE WATER CONTRACT FUND										
PILOT 2026-1 A3	ABS	BNY MELLON	08/20/2029	780,000.00	06/12/2026	779,980.34	0.00	779,441.91	4.717%	73328FAD0
HART 26B A3	ABS	BNY MELLON	02/18/2031	1,725,000.00	06/17/2026	1,724,791.79	3,226.71	1,729,693.90	4.863%	44935KAD5
FORDO 26B A3	ABS	BNY MELLON	02/18/2031	1,785,000.00	06/23/2026	1,784,937.53	1,844.50	1,784,316.88	4.432%	34536DAD5
BNP PARIBAS NEW YORK BRANCH	CD	BNY MELLON	08/06/2026	4,000,000.00	08/07/2025	4,000,000.00	152,702.22	4,001,302.52	4.190%	05593DJE4
CREDIT AGRICOLE CORPORATE AND INVESTMENT BANK, N	CD	BNY MELLON	02/01/2027	2,250,000.00	02/05/2024	2,250,000.00	43,435.00	2,257,726.16	4.760%	22536DWD6
GOLDMAN SACHS GROUP INC	CN	BNY MELLON	11/16/2026	1,000,000.00	11/13/2023	935,210.00	4,375.00	996,990.00	5.881%	38145GAH3
MERCEDES-BENZ FINANCE NORTH AMERICA LLC	CN	BNY MELLON	01/11/2027	1,500,000.00	01/11/2024	1,498,470.00	34,000.00	1,504,260.00	4.837%	58769JAO0
AUSTRALIA AND NEW ZEALAND BANKING GROUP LTD (NEW	CN	BNY MELLON	01/18/2027	1,250,000.00	01/18/2024	1,250,000.00	26,883.68	1,254,075.00	4.750%	05253JAZ4
STATE STREET CORP	CN	BNY MELLON	03/18/2027	750,000.00	03/18/2024	750,000.00	10,714.15	753,795.00	4.993%	857477CL5
BMW US CAPITAL LLC	CN	BNY MELLON	04/02/2027	1,500,000.00	04/02/2024	1,498,215.00	18,170.83	1,506,315.00	4.943%	05565ECH6
UNITEDHEALTH GROUP INC	CN	BNY MELLON	04/15/2027	1,350,000.00	03/21/2024	1,340,590.50	13,110.00	1,354,360.50	4.846%	91324PEY4
TOYOTA MOTOR CREDIT CORP	CN	BNY MELLON	05/14/2027	680,000.00	05/15/2025	679,694.00	3,995.00	681,700.00	4.524%	89236TNG6
NATIONAL SECURITIES CLEARING CORP	CN	BNY MELLON	05/20/2027	760,000.00	05/20/2025	759,323.60	3,765.17	760,934.80	4.397%	637639AN5
CITIBANK NA	CN	BNY MELLON	05/29/2027	1,725,000.00	05/29/2025	1,725,000.00	7,016.53	1,730,140.50	4.576%	17325FBN7
USAA CAPITAL CORP	CN	BNY MELLON	06/01/2027	1,290,000.00	06/03/2024	1,286,271.90	5,643.75	1,302,022.80	5.356%	90327QD97
NATIONAL AUSTRALIA BANK LTD (NEW YORK BRANCH)	CN	BNY MELLON	06/11/2027	805,000.00	06/11/2024	805,000.00	2,275.02	810,924.80	5.087%	63253QAJ3
AMERICAN HONDA FINANCE CORP	CN	BNY MELLON	07/09/2027	900,000.00	07/10/2024	898,839.00	21,070.00	903,789.00	4.947%	02665WFK2
UNILEVER CAPITAL CORP	CN	BNY MELLON	08/12/2027	460,000.00	08/12/2024	458,771.80	7,548.47	460,381.80	4.346%	904764BU0
MERCK & CO INC	CN	BNY MELLON	09/15/2027	1,500,000.00	09/09/2025	1,498,575.00	17,004.17	1,493,880.00	3.899%	58933YBP9
NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORP	CN	BNY MELLON	09/16/2027	535,000.00	09/16/2024	535,000.00	6,428.92	533,566.20	4.120%	63743HFT4
AUSTRALIA AND NEW ZEALAND BANKING GROUP LTD (NEW	CN	BNY MELLON	09/30/2027	660,000.00	09/30/2024	660,000.00	6,538.20	657,096.00	4.000%	05253JB42
ACCENTURE CAPITAL INC	CN	BNY MELLON	10/04/2027	470,000.00	10/04/2024	469,393.70	4,429.75	467,894.40	3.946%	00440KAA1
JPMORGAN CHASE & CO	CN	BNY MELLON	10/22/2027	605,000.00	10/23/2023	605,000.00	7,038.67	607,988.70	5.238%	46647PDW3
PFIZER INC	CN	BNY MELLON	11/15/2027	765,000.00	11/21/2025	764,915.85	3,787.81	761,511.60	3.881%	717081FJ7
BP CAPITAL MARKETS AMERICA INC	CN	BNY MELLON	11/17/2027	1,630,000.00	05/17/2024	1,630,000.00	9,994.98	1,644,881.90	5.017%	10373QBY5
NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORP	CN	BNY MELLON	12/10/2027	1,975,000.00	12/10/2025	1,973,538.50	4,550.73	1,963,762.25	3.989%	63743HGB2
TOYOTA MOTOR CREDIT CORP	CN	BNY MELLON	01/12/2028	1,050,000.00	01/12/2026	1,049,118.00	18,484.38	1,042,009.50	3.794%	89236TPF6
MASTERCARD INC	CN	BNY MELLON	01/15/2028	690,000.00	09/05/2024	689,620.50	13,044.83	688,302.60	4.119%	57636QBA1
ADOBE INC	CN	BNY MELLON	01/17/2028	1,400,000.00	01/17/2025	1,399,258.00	30,294.44	1,408,624.00	4.769%	00724PAH2
NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORP	CN	BNY MELLON	02/07/2028	415,000.00	02/07/2025	414,817.40	7,885.00	416,772.05	4.766%	63743HFW7
PEPSICO INC	CN	BNY MELLON	02/07/2028	745,000.00	02/07/2025	744,687.10	13,261.00	747,071.10	4.465%	713448GA0
ELI LILLY AND CO	CN	BNY MELLON	02/12/2028	560,000.00	02/12/2025	559,641.60	9,838.11	562,458.40	4.573%	532457CU0
HERSHEY CO	CN	BNY MELLON	02/24/2028	640,000.00	02/24/2025	639,558.40	10,272.89	642,169.60	4.575%	427866BK3
CHEVRON USA INC	CN	BNY MELLON	02/26/2028	1,850,000.00	02/26/2025	1,850,000.00	28,745.66	1,854,551.00	4.475%	166756BB1
MARS INC	CN	BNY MELLON	03/01/2028	585,000.00	03/12/2025	584,994.15	8,970.00	586,205.10	4.601%	571676AX3
PACCAR FINANCIAL CORP	CN	BNY MELLON	03/03/2028	1,575,000.00	03/03/2025	1,574,039.25	23,489.38	1,580,811.75	4.572%	69371RT63
ABBVIE INC	CN	BNY MELLON	03/03/2028	970,000.00	03/04/2026	969,670.20	11,900.69	960,542.50	3.793%	00287YED7
MASTERCARD INC	CN	BNY MELLON	03/15/2028	600,000.00	02/27/2025	599,544.00	8,038.33	601,992.00	4.576%	57636QBF0
SALESFORCE INC	CN	BNY MELLON	03/15/2028	2,845,000.00	03/13/2026	2,842,724.00	38,407.50	2,842,069.65	4.542%	79466LAQ7
BMW US CAPITAL LLC	CN	BNY MELLON	03/17/2028	1,950,000.00	03/19/2026	1,949,083.50	23,757.50	1,941,244.50	4.325%	05565EDF9
BMW US CAPITAL LLC	CN	BNY MELLON	03/21/2028	670,000.00	03/21/2025	669,665.00	8,840.28	672,385.20	4.768%	05565ECW3
ADVANCED MICRO DEVICES INC	CN	BNY MELLON	03/24/2028	1,200,000.00	03/24/2025	1,196,477.00	13,964.77	1,200,768.00	4.319%	007903BJ5
MORGAN STANLEY	CN	BNY MELLON	04/13/2028	270,000.00	04/19/2024	270,000.00	3,306.42	272,340.90	5.101%	61747YFP5
JPMORGAN CHASE & CO	CN	BNY MELLON	04/22/2028	1,385,000.00	04/22/2024	1,385,000.00	14,788.68	1,396,675.55	5.028%	46647PEE2
STATE STREET CORP	CN	BNY MELLON	04/24/2028	555,000.00	04/24/2025	555,000.00	4,692.54	555,388.50	4.568%	857477DA8
CINTAS CORPORATION NO 2	CN	BNY MELLON	05/01/2028	945,000.00	05/02/2025	943,790.40	6,615.00	941,966.55	4.246%	17252MAR2
CUMMINS INC	CN	BNY MELLON	05/09/2028	165,000.00	05/09/2025	164,884.50	1,012.92	164,534.70	4.275%	231021AY2
WESTPAC BANKING CORPORATION (NEW YORK BRANCH)	CN	BNY MELLON	05/11/2028	875,000.00	05/14/2026	874,457.50	4,740.80	871,946.25	4.183%	9612EVA77
SERVICENOW INC	CN	BNY MELLON	05/15/2028	210,000.00	05/15/2026	209,239.80	1,140.42	209,349.00	4.441%	81762PAF9
GILEAD SCIENCES, INC	CN	BNY MELLON	05/20/2028	1,310,000.00	05/20/2026	1,309,449.80	6,340.76	1,306,423.70	4.272%	375558CJ0
MORGAN STANLEY BANK NA	CN	BNY MELLON	05/26/2028	520,000.00	05/30/2024	520,000.00	2,782.58	524,435.60	4.992%	61690U8B9
USAA CAPITAL CORP	CN	BNY MELLON	06/01/2028	470,000.00	06/02/2025	469,111.70	1,713.54	469,135.20	4.443%	90327QDA4
HSBC USA INC	CN	BNY MELLON	06/03/2028	310,000.00	06/03/2025	309,854.30	1,121.17	310,988.90	4.667%	40428HR95
JOHN DEERE CAPITAL CORP	CN	BNY MELLON	06/05/2028	785,000.00	06/05/2025	784,301.35	2,409.51	783,901.00	4.282%	24422EYD5
NATIONAL SECURITIES CLEARING CORP	CN	BNY MELLON	06/09/2028	1,315,000.00	06/09/2026	1,314,171.55	3,495.71	1,314,092.65	4.383%	637639AR6
TARGET CORP	CN	BNY MELLON	06/15/2028	405,000.00	06/10/2025	404,995.95	783.00	405,259.20	4.350%	87612EBU9
ANALOG DEVICES INC	CN	BNY MELLON	06/15/2028	1,770,000.00	06/16/2025	1,768,088.40	3,343.33	1,764,636.90	4.289%	032654BD6
BANK OF NEW YORK MELLON CORP	CN	BNY MELLON	07/21/2028	1,250,000.00	07/22/2024	1,250,000.00	27,166.67	1,256,025.00	4.697%	06406RBA4
PNC BANK NA (DELAWARE)	CN	BNY MELLON	07/21/2028	470,000.00	07/21/2025	470,000.00	9,251.69	469,276.20	4.400%	69353RFZ6
TRUIST BANK	CN	BNY MELLON	07/24/2028	800,000.00	07/24/2025	800,000.00	15,420.89	799,176.00	4.465%	89788JAF6
AMERICAN EXPRESS CO	CN	BNY MELLON	07/26/2028	300,000.00	07/26/2024	300,000.00	6,513.88	301,752.00	5.047%	025816DV8
HOME DEPOT INC	CN	BNY MELLON	09/15/2028	315,000.00	09/15/2025	314,795.25	3,478.13	311,566.50	3.773%	437076DH2
NOVARTIS CAPITAL CORP	CN	BNY MELLON	11/05/2028	880,000.00	11/05/2025	879,806.40	5,338.67	871,710.40	3.908%	66989HAX6
NOVARTIS CAPITAL CORP	CN	BNY MELLON	11/05/2028	650,000.00	11/05/2025	650,019.50	3,943.33	643,877.00	3.900%	66989HAX6
PACCAR FINANCIAL CORP	CN	BNY MELLON	11/07/2028	360,000.00	11/07/2025	359,798.40	2,160.00	357,750.00	4.020%	69371RU20
CATERPILLAR FINANCIAL SERVICES CORP	CN	BNY MELLON	11/14/2028	1,500,000.00	11/14/2025	1,499,205.00	7,735.42	1,485,945.00	3.969%	14913UBD1
MORGAN STANLEY PRIVATE BANK NA	CN	BNY MELLON	11/17/2028	800,000.00	11/19/2025	800,000.00	4,110.58	796,072.00	4.292%	61776NZU0
AMAZON.COM INC	CN	BNY MELLON	11/20/2028	1,010,000.00	11/20/2025	1,009,777.80	4,486.08	999,829.30	3.908%	023135CS3
JOHN DEERE CAPITAL CORP	CN	BNY MELLON	01/18/2029	960,000.00	04/28/2026	959,510.40	6,930.00	954,326.40	4.147%	24422EYM5
JPMORGAN CHASE & CO	CN	BNY MELLON	01/24/2029	500,000.00	01/24/2025	500,000.00	10,717.43	502,505.00	4.737%	46647PEU6
BANK OF AMERICA CORP	CN	BNY MELLON	01/24/2029	1,395,000.00	01/24/2025	1,395,000.00	30,290.99	1,402,756.20	4.789%	06051GMK2
PNC FINANCIAL SERVICES GROUP INC	CN	BNY MELLON	01/26/2029	1,320,000.00	01/26/2026	1,320,000.00	23,159.58	1,309,400.40	4.078%	693475CG8
PACCAR FINANCIAL CORP	CN	BNY MELLON	02/05/2029	670,000.00	02/05/2026	669,718.60	10,597.17	662,341.90	3.915%	69371RU38
ALPHABET INC	CN	BNY MELLON	02/15/2029	290,000.00	02/13/2026	288,947.30	4,113.17	285,391.90	3.829%	02079KBJ5
JOHN DEERE CAPITAL CORP	CN	BNY MELLON	03/09/2029	655,000.00	03/10/2026	654,122.30	7,876.38	646,884.55	3.948%	24422EYK9
ABBOTT LABORATORIES	CN	BNY MELLON	03/09/2029	2,010,000.00	03/09/2026	2,007,447.30	23,137.33	1,972,212.00	3.745%	002824BR0
MERCEDES-BENZ FINANCE NORTH AMERICA LLC	CN	BNY MELLON	03/10/2029	945,000.00	03/10/2026	944,603.10	12,383.44	933,726.15	4.265%	58769JPB1
TOYOTA MOTOR CREDIT CORP	CN	BNY MELLON	03/13/2029	1,785,000.00	03/13/2026	1,784,357.40	21,687.75	1,765,329.30	4.063%	89236TPQ2
AMAZON.COM INC	CN	BNY MELLON	03/13/2029	2,105,000.00	03/13/2026	2,104,768.45	25,260.00	2,084,918.30	4.004%	023135DC7
MERCK & CO INC	CN	BNY MELLON	03/15/2029	480,000.00	12/04/2025	479,289.60	5,441.33	474,283.20	3.900%	58933YBW4
BANK OF NEW YORK MELLON	CN	BNY MELLON	04/20/2029	250,000.00	04/22/2025	250,000.00	2,331.66	251,127.50	4.745%	06405LAH4
AMERICAN EXPRESS CO	CN	BNY MELLON	04/25/2029	1,095,000.00	04/25/2025	1,095,000.00	9,497.48	1,098,066.00</		

SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT
INVESTMENT SUMMARY
JUNE 30, 2026

INVESTMENT DESCRIPTION	SECURITY TYPE	INSTITUTION	MATURITY DATE	PAR VALUE	SETTLEMENT DATE	PURCHASE PRICE	ACCRUED INTEREST	MARKET VALUE	BOOK YIELD RATE	CUSIP
BANK OF AMERICA CORP	CN	BNY MELLON	04/23/2030	695,000.00	04/23/2026	695,000.00	5,877.31	690,885.60	4.485%	06051GMYY2
CHARLES SCHWAB CORP	CN	BNY MELLON	05/21/2030	415,000.00	05/21/2026	415,000.00	2,187.51	415,929.60	4.747%	808513CQ6
LOS ANGELES CALIF UNI SCH DIST	MUNI	BNY MELLON	07/01/2027	1,005,000.00	05/13/2025	1,005,000.00	22,019.55	1,006,678.35	4.378%	544647KX7
UNITED STATES TREASURY	US	BNY MELLON	07/15/2027	375,000.00	08/05/2024	379,306.64	7,568.63	375,963.75	3.957%	91282CKZ3
UNITED STATES TREASURY	US	BNY MELLON	08/15/2027	6,250,000.00	09/10/2024	6,275,146.48	88,052.49	6,223,875.00	3.603%	91282CLG4
UNITED STATES TREASURY	US	BNY MELLON	08/31/2027	6,800,000.00	09/13/2024	6,728,546.88	71,025.82	6,722,684.00	3.502%	91282CFH9
UNITED STATES TREASURY	US	BNY MELLON	09/15/2027	5,000,000.00	09/27/2024	4,987,500.00	49,524.46	4,955,450.00	3.464%	91282CLL3
UNITED STATES TREASURY	US	BNY MELLON	09/15/2027	3,500,000.00	10/04/2024	3,485,781.25	34,667.12	3,468,815.00	3.521%	91282CLL3
UNITED STATES TREASURY	US	BNY MELLON	09/15/2027	3,000,000.00	10/04/2024	2,983,359.38	29,714.67	2,973,270.00	3.574%	91282CLL3
UNITED STATES TREASURY	US	BNY MELLON	10/15/2027	500,000.00	10/21/2024	500,000.00	4,076.16	498,280.00	3.875%	91282CLQ2
UNITED STATES TREASURY	US	BNY MELLON	10/15/2027	2,250,000.00	10/29/2024	2,236,289.06	18,342.73	2,242,260.00	4.095%	91282CLQ2
UNITED STATES TREASURY	US	BNY MELLON	10/15/2027	4,750,000.00	11/04/2024	4,713,818.36	38,723.53	4,733,660.00	4.152%	91282CLQ2
UNITED STATES TREASURY	US	BNY MELLON	10/15/2027	4,000,000.00	11/07/2024	3,967,812.50	32,609.29	3,986,240.00	4.168%	91282CLQ2
UNITED STATES TREASURY	US	BNY MELLON	10/31/2027	4,000,000.00	11/12/2025	3,993,437.50	23,586.96	3,966,400.00	3.587%	91282CPE5
UNITED STATES TREASURY	US	BNY MELLON	11/15/2027	3,125,000.00	12/06/2024	3,121,215.82	16,463.57	3,123,656.25	4.168%	91282CLX7
UNITED STATES TREASURY	US	BNY MELLON	11/15/2027	3,000,000.00	12/10/2024	3,002,109.38	15,805.03	2,998,710.00	4.098%	91282CLX7
UNITED STATES TREASURY	US	BNY MELLON	11/15/2027	3,125,000.00	12/16/2024	3,125,122.07	16,463.57	3,123,656.25	4.122%	91282CLX7
UNITED STATES TREASURY	US	BNY MELLON	11/30/2027	3,150,000.00	12/18/2024	3,121,083.98	10,338.63	3,138,061.50	4.208%	91282CFZ9
UNITED STATES TREASURY	US	BNY MELLON	12/15/2027	4,000,000.00	12/26/2024	3,960,625.00	6,994.54	3,991,560.00	4.357%	91282CMB4
UNITED STATES TREASURY	US	BNY MELLON	09/15/2028	3,150,000.00	01/15/2025	3,142,248.05	61,760.01	3,154,063.50	4.338%	91282CMF5
UNITED STATES TREASURY	US	BNY MELLON	01/15/2028	3,150,000.00	02/06/2025	3,148,646.48	61,760.01	3,154,063.50	4.265%	91282CMF5
UNITED STATES TREASURY	US	BNY MELLON	01/31/2028	5,000,000.00	01/12/2026	5,000,195.31	72,997.24	4,949,800.00	3.497%	91282CGH8
UNITED STATES TREASURY	US	BNY MELLON	02/15/2028	4,000,000.00	02/10/2025	3,834,531.25	41,325.97	3,912,360.00	4.226%	91282B3W8
UNITED STATES TREASURY	US	BNY MELLON	03/15/2028	6,750,000.00	03/25/2025	6,723,105.47	76,762.91	6,719,422.50	4.018%	91282CMS7
UNITED STATES TREASURY	US	BNY MELLON	03/15/2028	3,150,000.00	04/10/2025	3,165,257.81	35,822.69	3,135,730.50	3.698%	91282CMS7
UNITED STATES TREASURY	US	BNY MELLON	04/15/2028	6,850,000.00	05/06/2025	6,840,902.34	54,042.01	6,802,666.50	3.797%	91282CMW8
UNITED STATES TREASURY	US	BNY MELLON	04/30/2028	2,000,000.00	04/30/2026	1,994,609.38	12,635.87	1,986,020.00	3.891%	91282CQL8
UNITED STATES TREASURY	US	BNY MELLON	04/30/2028	3,000,000.00	05/13/2026	2,991,328.13	18,953.80	2,979,030.00	3.904%	91282CQL8
UNITED STATES TREASURY	US	BNY MELLON	04/30/2028	2,225,000.00	05/18/2026	2,214,831.05	14,057.40	2,209,447.25	3.995%	91282CQL8
UNITED STATES TREASURY	US	BNY MELLON	05/15/2028	2,250,000.00	05/15/2025	2,248,417.97	10,776.15	2,233,822.50	3.775%	91282CND9
UNITED STATES TREASURY	US	BNY MELLON	05/15/2028	3,000,000.00	05/15/2025	2,980,429.69	14,368.21	2,978,430.00	3.983%	91282CND9
UNITED STATES TREASURY	US	BNY MELLON	05/15/2028	6,000,000.00	06/04/2025	5,973,281.25	28,736.41	5,956,860.00	3.911%	91282CND9
UNITED STATES TREASURY	US	BNY MELLON	05/15/2028	3,150,000.00	06/10/2025	3,139,171.88	15,086.62	3,127,351.50	3.874%	91282CND9
UNITED STATES TREASURY	US	BNY MELLON	05/15/2028	3,000,000.00	06/10/2025	2,979,843.75	14,368.21	2,978,430.00	3.995%	91282CND9
UNITED STATES TREASURY	US	BNY MELLON	05/31/2028	6,000,000.00	06/04/2026	5,996,484.38	20,327.87	5,984,040.00	4.031%	91282CQS3
UNITED STATES TREASURY	US	BNY MELLON	05/31/2028	4,000,000.00	06/04/2026	3,994,687.50	13,551.91	3,989,360.00	4.070%	91282CQS3
UNITED STATES TREASURY	US	BNY MELLON	05/31/2028	3,250,000.00	06/09/2026	3,241,748.05	11,010.93	3,241,355.00	4.135%	91282CQS3
UNITED STATES TREASURY	US	BNY MELLON	06/15/2028	3,225,000.00	07/07/2025	3,236,589.84	5,463.11	3,208,262.25	3.744%	91282CNSH0
UNITED STATES TREASURY	US	BNY MELLON	06/15/2028	3,000,000.00	07/07/2025	3,008,789.06	5,081.97	2,984,430.00	3.768%	91282CNSH0
UNITED STATES TREASURY	US	BNY MELLON	06/15/2028	3,000,000.00	07/09/2025	3,010,781.25	5,081.97	2,984,430.00	3.744%	91282CNSH0
UNITED STATES TREASURY	US	BNY MELLON	07/15/2028	2,400,000.00	07/17/2025	2,400,562.50	42,903.31	2,386,872.00	3.867%	91282CNM9
UNITED STATES TREASURY	US	BNY MELLON	07/15/2028	4,200,000.00	08/04/2025	4,198,359.38	75,080.80	4,177,026.00	3.889%	91282CNM9
UNITED STATES TREASURY	US	BNY MELLON	08/15/2028	650,000.00	08/15/2025	648,146.48	8,852.21	643,071.00	3.726%	91282CNU1
UNITED STATES TREASURY	US	BNY MELLON	08/15/2028	3,250,000.00	09/05/2025	3,250,126.95	44,261.05	3,215,355.00	3.623%	91282CNU1
UNITED STATES TREASURY	US	BNY MELLON	08/15/2028	7,000,000.00	09/08/2025	7,021,601.56	95,331.49	6,925,380.00	3.513%	91282CNU1
UNITED STATES TREASURY	US	BNY MELLON	09/15/2028	6,500,000.00	09/19/2025	6,468,515.63	64,381.79	6,393,595.00	3.547%	91282CNY3
UNITED STATES TREASURY	US	BNY MELLON	09/15/2028	3,325,000.00	09/26/2025	3,298,633.79	32,933.76	3,270,569.75	3.659%	91282CNY3
UNITED STATES TREASURY	US	BNY MELLON	10/15/2028	1,750,000.00	10/15/2025	1,745,419.92	12,885.93	1,724,975.00	3.593%	91282CPC9
UNITED STATES TREASURY	US	BNY MELLON	10/15/2028	1,000,000.00	10/28/2025	999,960.94	7,363.39	985,700.00	3.501%	91282CPC9
UNITED STATES TREASURY	US	BNY MELLON	10/15/2028	3,500,000.00	11/07/2025	3,491,933.59	25,771.86	3,449,950.00	3.583%	91282CPC9
UNITED STATES TREASURY	US	BNY MELLON	10/15/2028	3,350,000.00	11/12/2025	3,340,970.70	24,667.35	3,302,095.00	3.597%	91282CPC9
UNITED STATES TREASURY	US	BNY MELLON	11/15/2028	3,400,000.00	10/08/2025	3,352,453.13	13,569.97	3,321,494.00	3.605%	91282B5M8
UNITED STATES TREASURY	US	BNY MELLON	11/15/2028	1,500,000.00	11/18/2025	1,496,308.59	6,705.16	1,477,845.00	3.587%	91282CPK1
UNITED STATES TREASURY	US	BNY MELLON	11/15/2028	2,525,000.00	12/04/2025	2,521,547.85	11,287.02	2,487,705.75	3.549%	91282CPK1
UNITED STATES TREASURY	US	BNY MELLON	11/15/2028	2,500,000.00	12/04/2025	2,497,265.63	11,175.27	2,463,075.00	3.539%	91282CPK1
UNITED STATES TREASURY	US	BNY MELLON	11/15/2028	3,675,000.00	12/08/2025	3,668,683.59	16,427.65	3,620,720.25	3.562%	91282CPK1
UNITED STATES TREASURY	US	BNY MELLON	12/15/2028	750,000.00	12/15/2025	746,835.94	1,147.54	738,630.00	3.650%	91282CPP0
UNITED STATES TREASURY	US	BNY MELLON	12/15/2028	4,000,000.00	01/13/2026	3,995,156.25	6,120.22	3,939,360.00	3.543%	91282CPP0
UNITED STATES TREASURY	US	BNY MELLON	12/15/2028	2,000,000.00	01/12/2026	1,996,718.75	3,060.11	1,969,680.00	3.559%	91282CPP0
UNITED STATES TREASURY	US	BNY MELLON	12/15/2028	800,000.00	01/15/2026	797,875.00	1,224.04	787,872.00	3.596%	91282CPP0
UNITED STATES TREASURY	US	BNY MELLON	01/15/2029	1,625,000.00	01/26/2026	1,617,255.86	26,237.91	1,599,487.50	3.671%	91282CPT2
UNITED STATES TREASURY	US	BNY MELLON	01/15/2029	3,375,000.00	02/05/2026	3,361,552.73	54,494.13	3,322,012.50	3.643%	91282CPT2
UNITED STATES TREASURY	US	BNY MELLON	02/15/2029	3,000,000.00	02/17/2026	2,994,023.44	39,447.51	2,951,370.00	3.571%	91282CQA2
UNITED STATES TREASURY	US	BNY MELLON	02/15/2029	3,000,000.00	03/05/2026	3,001,992.19	39,447.51	2,951,370.00	3.476%	91282CQA2
UNITED STATES TREASURY	US	BNY MELLON	02/15/2029	4,500,000.00	03/06/2026	4,491,562.50	59,171.27	4,427,055.00	3.567%	91282CQA2
UNITED STATES TREASURY	US	BNY MELLON	02/15/2029	2,500,000.00	03/09/2026	2,496,093.75	32,872.93	2,459,475.00	3.556%	91282CQA2
UNITED STATES TREASURY	US	BNY MELLON	03/15/2029	1,725,000.00	03/17/2026	1,713,881.84	17,718.75	1,696,572.00	3.729%	91282CQE4
UNITED STATES TREASURY	US	BNY MELLON	03/15/2029	3,350,000.00	03/17/2026	3,326,445.31	34,410.33	3,294,792.00	3.750%	91282CQE4
UNITED STATES TREASURY	US	BNY MELLON	03/15/2029	1,250,000.00	03/25/2026	1,235,888.67	12,839.67	1,229,400.00	3.906%	91282CQE4
UNITED STATES TREASURY	US	BNY MELLON	03/15/2029	3,400,000.00	04/07/2026	3,369,320.31	34,923.91	3,343,968.00	3.827%	91282CQE4
UNITED STATES TREASURY	US	BNY MELLON	03/15/2029	2,500,000.00	04/09/2026	2,474,609.38	25,679.35	2,458,800.00	3.869%	91282CQE4
UNITED STATES TREASURY	US	BNY MELLON	04/15/2029	2,500,000.00	04/15/2026	2,504,882.81	20,380.81	2,481,825.00	3.805%	91282CQJ3
UNITED STATES TREASURY	US	BNY MELLON	04/15/2029	1,500,000.00	05/06/2026	1,498,183.59	12,228.48	1,489,095.00	3.918%	91282CQJ3
UNITED STATES TREASURY	US	BNY MELLON	04/15/2029	3,000,000.00	05/07/2026	2,989,687.50	24,456.97	2,978,190.00	3.999%	91282CQJ3
UNITED STATES TREASURY	US	BNY MELLON	05/15/2029	600,000.00	05/22/2026	594,843.75	2,969.43	595,596.00	4.184%	91282CQR5
UNITED STATES TREASURY	US	BNY MELLON	05/15/2029	3,350,000.00	06/04/2026	3,326,445.31	16,579.31	3,325,411.00	4.130%	91282CQR5
UNITED STATES TREASURY	US	BNY MELLON	05/15/2029	3,000,000.00	06/08/2026	2,978,671.88	14,847.15	2,977,980.00	4.134%	91282CQR5
UNITED STATES TREASURY	US	BNY MELLON	05/15/2029	4,000,000.00	06/04/2026	3,972,968.75	19,796.20	3,970,640.00	4.120%	91282CQR5
UNITED STATES TREASURY	US	BNY MELLON	05/15/2029	2,750,000.00	06/12/2026	2,726,259.77	13,609.88	2,729,815.00	4.191%	91282CQR5
UBS AG (STAMFORD BRANCH)	YK	BNY MELLON	01/10/2028	745,000.00	01/10/2025	745,000.00	17,212.48	747,033.85	4.539%	90261AAD4
COOPERATIVE RABOBANK UA (NEW YORK BRANCH)	YK	BNY MELLON	01/21/2028	1,525,000.00	01/21/2025	1,525,000.00	33,095.89	1,538,313.25	4.883%	21688ABK7

**SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT
INVESTMENT SUMMARY
JUNE 30, 2026**

INVESTMENT DESCRIPTION	SECURITY TYPE	INSTITUTION	MATURITY DATE	PAR VALUE	SETTLEMENT DATE	PURCHASE PRICE	ACCRUED INTEREST	MARKET VALUE	BOOK YIELD RATE	CUSIP
GENERAL FUND										
PILOT 2026-1 A3	ABS	BNY MELLON	08/20/2029	125,000.00	06/12/2026	124,996.85	0.00	124,910.56	4.717%	73328FAD0
HART 26B A3	ABS	BNY MELLON	02/18/2031	265,000.00	06/17/2026	264,968.01	495.70	265,721.09	4.863%	44935KAD5
FORDO 26B A3	ABS	BNY MELLON	02/18/2031	260,000.00	06/23/2026	259,990.90	268.67	259,900.50	4.432%	34536DAD5
BNP PARIBAS NEW YORK BRANCH	CD	BNY MELLON	08/06/2026	850,000.00	08/07/2025	850,000.00	32,449.22	850,276.79	4.190%	05593DJEA
CRÉDIT INDUSTRIEL ET COMMERCIAL	CD	BNY MELLON	10/08/2026	1,000,000.00	10/09/2025	1,000,000.00	29,076.39	999,770.42	3.950%	22536WM94
GOLDMAN SACHS BANK USA	CD	BNY MELLON	10/27/2026	600,000.00	10/28/2025	600,000.00	15,744.00	599,642.78	3.840%	40054PJQ9
TORONTO-DOMINION BANK - NEW YORK BRANCH	CD	BNY MELLON	12/09/2026	550,000.00	12/11/2025	550,000.00	12,035.83	549,545.12	3.900%	89115DJH0
CREDIT AGRICOLE CORPORATE AND INVESTMENT BANK, N	CD	BNY MELLON	02/01/2027	350,000.00	02/05/2024	350,000.00	6,756.56	351,201.85	4.760%	22536DWD6
UBS AG, STAMFORD BRANCH	CD	BNY MELLON	03/02/2027	450,000.00	03/03/2026	450,000.00	5,715.00	448,870.79	3.810%	90275DVV9
BARCLAYS BANK PLC (NEW YORK BRANCH)	CD	BNY MELLON	04/01/2027	650,000.00	04/02/2026	650,000.00	6,792.50	649,792.16	4.180%	06745GJH5
UBS AG (STAMFORD BRANCH)	CN	BNY MELLON	08/07/2026	200,000.00	08/29/2025	194,634.00	1,000.00	199,466.00	4.193%	22550L2G5
PACCAR FINANCIAL CORP	CN	BNY MELLON	08/10/2026	350,000.00	08/10/2023	349,825.00	6,922.71	350,336.00	5.068%	69371RS56
ROCHE HOLDINGS INC	CN	BNY MELLON	11/13/2026	230,000.00	11/13/2023	230,000.00	1,614.60	230,715.30	5.265%	771196CE0
MERCEDES-BENZ FINANCE NORTH AMERICA LLC	CN	BNY MELLON	11/13/2026	250,000.00	11/15/2024	249,795.00	1,800.00	250,597.50	4.844%	58769JBB2
NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORP	CN	BNY MELLON	02/05/2027	200,000.00	02/05/2024	199,940.00	3,893.33	200,544.00	4.811%	63743HFM9
TEXAS INSTRUMENTS INC	CN	BNY MELLON	02/08/2027	220,000.00	02/08/2024	219,859.20	4,019.89	220,455.40	4.623%	882508CE2
CHEVRON USA INC	CN	BNY MELLON	02/26/2027	255,000.00	02/26/2025	255,000.00	3,900.26	255,461.55	4.405%	166756AZ9
MARS INC	CN	BNY MELLON	03/01/2027	90,000.00	03/12/2025	89,919.00	1,335.00	90,152.10	4.499%	571676AW5
AMERICAN HONDA FINANCE CORP	CN	BNY MELLON	03/12/2027	205,000.00	03/13/2024	204,887.25	3,041.40	205,656.00	4.920%	02665WFD8
STATE STREET CORP	CN	BNY MELLON	03/18/2027	120,000.00	03/18/2024	120,000.00	1,714.26	120,607.20	4.993%	857477CL5
UNITEDHEALTH GROUP INC	CN	BNY MELLON	04/15/2027	350,000.00	03/21/2024	347,560.50	3,398.89	351,130.50	4.846%	91324PCL5
WALMART INC	CN	BNY MELLON	04/28/2027	110,000.00	04/28/2025	109,985.70	789.25	110,053.90	4.107%	931142FL2
TOYOTA MOTOR CREDIT CORP	CN	BNY MELLON	05/14/2027	120,000.00	05/15/2025	119,946.00	705.00	120,300.00	4.524%	89236TNG6
CITIBANK NA	CN	BNY MELLON	05/29/2027	500,000.00	05/29/2025	500,000.00	2,033.78	501,490.00	4.576%	17325FBN7
USAA CAPITAL CORP	CN	BNY MELLON	06/01/2027	305,000.00	06/03/2024	304,118.55	1,334.38	307,842.60	5.356%	90327QD97
JOHN DEERE CAPITAL CORP	CN	BNY MELLON	06/11/2027	250,000.00	06/11/2024	249,690.00	680.56	251,517.50	4.945%	24422EXR5
AMAZON.COM INC	CN	BNY MELLON	08/22/2027	175,000.00	06/17/2024	166,498.50	1,975.31	172,940.25	4.814%	023135BC9
ACCENTURE CAPITAL INC	CN	BNY MELLON	10/04/2027	75,000.00	10/04/2024	74,903.25	706.88	74,664.00	3.946%	00440KAA1
TOYOTA MOTOR CREDIT CORP	CN	BNY MELLON	10/08/2027	70,000.00	10/10/2024	69,972.70	702.04	70,059.50	4.364%	89236TMS1
PFIZER INC	CN	BNY MELLON	11/15/2027	120,000.00	11/21/2025	119,986.80	594.17	119,452.80	3.881%	717081FJ7
BP CAPITAL MARKETS AMERICA INC	CN	BNY MELLON	11/17/2027	255,000.00	05/17/2024	255,000.00	1,563.63	257,328.15	5.017%	10373QBY5
NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORP	CN	BNY MELLON	12/10/2027	315,000.00	12/10/2025	314,766.90	725.81	313,207.65	3.989%	63743HGB2
TOYOTA MOTOR CREDIT CORP	CN	BNY MELLON	01/12/2028	145,000.00	01/12/2026	144,878.20	2,552.60	143,896.55	3.794%	89236TPF6
MASTERCARD INC	CN	BNY MELLON	01/15/2028	110,000.00	09/05/2024	109,939.50	2,079.61	109,729.40	4.119%	57636QBA1
ADOBE INC	CN	BNY MELLON	01/17/2028	225,000.00	01/17/2025	224,880.75	4,868.75	226,386.00	4.769%	00724PAH2
ELI LILLY AND CO	CN	BNY MELLON	02/12/2028	90,000.00	02/12/2025	89,942.40	1,581.13	90,395.10	4.573%	532457CU0
HERSHEY CO	CN	BNY MELLON	02/24/2028	105,000.00	02/24/2025	104,927.55	1,685.40	105,355.95	4.575%	427866BK3
ABBVIE INC	CN	BNY MELLON	03/03/2028	155,000.00	03/04/2026	154,947.30	1,901.66	153,488.75	3.793%	00287YED7
MERCEDES-BENZ FINANCE NORTH AMERICA LLC	CN	BNY MELLON	03/10/2028	525,000.00	03/10/2026	524,769.00	6,677.34	520,915.50	4.148%	58769JUB5
AMAZON.COM INC	CN	BNY MELLON	03/13/2028	500,000.00	03/13/2026	499,695.00	5,775.00	496,630.00	3.882%	023135DB9
SALESFORCE INC	CN	BNY MELLON	03/15/2028	450,000.00	03/13/2026	449,640.00	1,272.74	95,315.40	4.542%	79466LAQ7
MASTERCARD INC	CN	BNY MELLON	03/15/2028	95,000.00	02/27/2025	94,927.80	6,075.00	449,536.50	4.576%	57636QBF0
BMW US CAPITAL LLC	CN	BNY MELLON	03/17/2028	300,000.00	03/19/2026	299,859.00	3,655.00	298,653.00	4.325%	05565EDF9
BMW US CAPITAL LLC	CN	BNY MELLON	03/21/2028	175,000.00	03/21/2025	174,912.50	2,309.03	175,623.00	4.768%	05565ECW3
CINTAS CORPORATION NO 2	CN	BNY MELLON	05/01/2028	150,000.00	05/02/2025	149,808.00	1,050.00	149,518.50	4.246%	17252MAR1
CUMMINS INC	CN	BNY MELLON	05/09/2028	25,000.00	05/09/2025	24,982.50	153.47	24,929.50	4.275%	231021AY2
WESTPAC BANKING CORPORATION (NEW YORK BRANCH)	CN	BNY MELLON	05/11/2028	250,000.00	05/14/2026	249,845.00	1,354.51	249,127.50	4.183%	9612EVA77
SERVICENOW INC	CN	BNY MELLON	05/15/2028	35,000.00	05/15/2026	34,873.30	190.07	34,891.50	4.441%	81762PAF9
GILEAD SCIENCES, INC	CN	BNY MELLON	05/20/2028	230,000.00	05/20/2026	229,903.40	1,113.26	229,372.10	4.272%	375558CJ0
MERCK & CO INC	CN	BNY MELLON	05/22/2028	300,000.00	05/22/2026	299,880.00	1,397.50	299,856.00	4.321%	58933YCE3
MASTERCARD INC	CN	BNY MELLON	06/08/2028	445,000.00	06/08/2026	444,964.40	1,229.62	444,773.05	4.329%	57636QBJ2
NATIONAL SECURITIES CLEARING CORP	CN	BNY MELLON	06/09/2028	250,000.00	06/09/2026	249,842.50	664.58	249,827.50	4.383%	637639AR6
TARGET CORP	CN	BNY MELLON	06/15/2028	60,000.00	06/10/2025	59,999.40	116.00	60,038.40	4.350%	87612EBU9
ANALOG DEVICES INC	CN	BNY MELLON	06/15/2028	285,000.00	06/16/2025	284,692.20	538.33	284,136.45	4.289%	032654BD6
TRUIST BANK	CN	BNY MELLON	07/24/2028	250,000.00	07/24/2025	250,000.00	4,819.03	249,742.50	4.465%	89788JAF6
AMERICAN EXPRESS CO	CN	BNY MELLON	07/26/2028	30,000.00	07/26/2024	30,000.00	651.39	30,175.20	5.047%	025816DV8
PACCAR FINANCIAL CORP	CN	BNY MELLON	08/08/2028	350,000.00	08/08/2025	349,793.50	5,561.11	347,756.50	4.021%	69371RT97
CATERPILLAR FINANCIAL SERVICES CORP	CN	BNY MELLON	08/15/2028	250,000.00	08/15/2025	249,965.00	3,872.22	248,777.50	4.105%	14913UBB5
HOME DEPOT INC	CN	BNY MELLON	09/15/2028	65,000.00	09/15/2025	64,957.75	717.71	64,291.50	3.773%	437076DH2
NOVARTIS CAPITAL CORP	CN	BNY MELLON	11/05/2028	140,000.00	11/05/2025	139,969.20	849.33	138,681.20	3.908%	66989HAX6
MORGAN STANLEY PRIVATE BANK NA	CN	BNY MELLON	11/17/2028	250,000.00	11/19/2025	250,000.00	1,284.56	248,772.50	4.292%	61776NZU0
AMAZON.COM INC	CN	BNY MELLON	11/20/2028	120,000.00	11/20/2025	119,973.60	533.00	118,791.60	3.908%	023135CS3
JPMORGAN CHASE & CO	CN	BNY MELLON	01/24/2029	125,000.00	01/24/2025	125,000.00	2,679.36	125,626.25	4.737%	46647PEU6
PNC FINANCIAL SERVICES GROUP INC	CN	BNY MELLON	01/26/2029	160,000.00	01/26/2026	160,000.00	2,807.22	158,715.20	4.078%	693475CG8
PACCAR FINANCIAL CORP	CN	BNY MELLON	02/05/2029	125,000.00	02/05/2026	124,947.50	1,977.08	123,571.25	3.915%	69371RU3B
ALPHABET INC	CN	BNY MELLON	02/15/2029	50,000.00	02/13/2026	49,818.50	709.17	49,205.50	3.829%	02079KBJ5
ABBOTT LABORATORIES	CN	BNY MELLON	03/09/2029	320,000.00	03/09/2026	319,593.60	3,683.56	313,984.00	3.745%	002824BR0
MERCK & CO INC	CN	BNY MELLON	03/15/2029	95,000.00	12/04/2025	94,859.40	1,076.93	93,868.55	3.900%	58933YBW4
AMERICAN EXPRESS CO	CN	BNY MELLON	04/25/2029	170,000.00	04/25/2025	170,000.00	1,474.50	170,476.00	4.734%	025816ED7
WELLS FARGO & CO	CN	BNY MELLON	05/20/2029	325,000.00	05/20/2026	325,000.00	1,694.13	324,265.50	4.581%	95000U4H3
CITIBANK NA	CN	BNY MELLON	06/18/2029	275,000.00	06/18/2026	275,000.00	452.24	274,758.00	4.451%	17325FBT4
AMERICAN EXPRESS CO	CN	BNY MELLON	07/20/2029	175,000.00	07/25/2025	175,000.00	3,405.26	174,160.00	4.354%	025816EJ4
MORGAN STANLEY	CN	BNY MELLON	10/18/2029	180,000.00	10/22/2025	180,000.00	1,508.55	177,595.20	4.254%	61748UAK8
TRUIST BANK	CN	BNY MELLON	10/23/2029	310,000.00	10/23/2025	310,000.00	2,421.86	306,462.90	4.255%	89788JAH2
BANK OF NEW YORK MELLON CORP	CN	BNY MELLON	01/22/2030	70,000.00	01/22/2026	70,000.00	1,244.71	69,048.00	4.092%	06406RCG0
WELLS FARGO & CO	CN	BNY MELLON	01/23/2030	95,000.00	01/23/2026	95,000.00	1,743.66	93,785.90	4.235%	95000U4D2
GOLDMAN SACHS GROUP INC	CN	BNY MELLON	04/20/2030	135,000.00	04/20/2026	135,000.00	1,223.15	134,295.30	4.603%	38141GE83
JPMORGAN CHASE & CO	CN	BNY MELLON	04/23/2030	235,000.00	04/23/2026	235,000.00	1,956.66	233,087.10	4.420%	46647PFL5
BANK OF AMERICA CORP	CN	BNY MELLON	04/23/2030	160,000.00	04/23/2026	160,000.00	1,353.05	159,052.80	4.485%	06051GMY2
CHARLES SCHWAB CORP	CN	BNY MELLON	05/21/2030	70,000.00	05/21/2026	70,000.00	368.98	70,156.80	4.747%	808513CQ6
NATIXIS, NEW YORK BRANCH	CP	BNY MELLON	01/08/2027	750,000.00	04/17/2026	728,442.92	0.00	733,656.17	4.005%	63873KN86
UNITED STATES TREASURY	US	BNY MELLON	11/15/2026	250,000.00	11/15/2023	248,476.56	1,476.73	250,635.00	4.846%	91282CJK8
UNITED STATES TREASURY	US	BNY MELLON	11/15/2026	525,000.00	12/12/2023	526,661.13	3,101.14	526,333.50	4.507%	91282CJK8
UNITED STATES TREASURY	US	BNY MELLON	11/15/2026	1,000,000.00	12/11/2023	1,008,046.88	5,906.93	1,002,540.00	4.3	

**SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT
INVESTMENT SUMMARY
JUNE 30, 2026**

INVESTMENT DESCRIPTION	SECURITY TYPE	INSTITUTION	MATURITY DATE	PAR VALUE	SETTLEMENT DATE	PURCHASE PRICE	ACCRUED INTEREST	MARKET VALUE	BOOK YIELD RATE	CUSIP
UNITED STATES TREASURY	US	BNY MELLON	07/15/2027	475,000.00	08/05/2024	480,455.08	9,586.93	476,220.75	3.957%	91282CKZ3
UNITED STATES TREASURY	US	BNY MELLON	08/15/2027	700,000.00	09/10/2024	702,816.41	9,861.88	697,074.00	3.603%	91282CLG4
UNITED STATES TREASURY	US	BNY MELLON	08/31/2027	400,000.00	09/13/2024	395,796.88	4,177.99	395,452.00	3.502%	91282CFH9
UNITED STATES TREASURY	US	BNY MELLON	09/15/2027	500,000.00	09/27/2024	498,750.00	4,952.45	495,545.00	3.464%	91282CLL3
UNITED STATES TREASURY	US	BNY MELLON	09/15/2027	300,000.00	10/04/2024	298,781.25	2,971.47	297,327.00	3.521%	91282CLL3
UNITED STATES TREASURY	US	BNY MELLON	09/15/2027	650,000.00	10/04/2024	646,394.53	6,438.18	644,208.50	3.574%	91282CLL3
UNITED STATES TREASURY	US	BNY MELLON	10/15/2027	775,000.00	11/04/2024	769,096.68	6,318.05	772,334.00	4.152%	91282CLQ2
UNITED STATES TREASURY	US	BNY MELLON	10/31/2027	200,000.00	11/18/2025	199,656.25	1,179.35	198,320.00	3.591%	91282CPE5
UNITED STATES TREASURY	US	BNY MELLON	11/15/2027	400,000.00	12/06/2024	399,515.63	2,107.34	399,828.00	4.168%	91282CLX7
UNITED STATES TREASURY	US	BNY MELLON	11/15/2027	500,000.00	12/10/2024	500,351.56	2,634.17	499,785.00	4.098%	91282CLX7
UNITED STATES TREASURY	US	BNY MELLON	11/15/2027	500,000.00	12/16/2024	500,019.53	2,634.17	499,785.00	4.122%	91282CLX7
UNITED STATES TREASURY	US	BNY MELLON	11/30/2027	800,000.00	12/08/2025	797,937.50	2,286.89	791,560.00	3.511%	91282CPL9
UNITED STATES TREASURY	US	BNY MELLON	12/31/2027	275,000.00	12/31/2025	274,183.59	25.22	271,895.25	3.530%	91282CPS4
UNITED STATES TREASURY	US	BNY MELLON	01/15/2028	250,000.00	01/15/2025	249,384.77	4,901.59	250,322.50	4.338%	91282CMF5
UNITED STATES TREASURY	US	BNY MELLON	01/15/2028	525,000.00	02/06/2025	524,774.41	10,293.34	525,677.25	4.265%	91282CMF5
UNITED STATES TREASURY	US	BNY MELLON	01/31/2028	550,000.00	01/09/2026	550,085.94	8,029.70	544,478.00	3.491%	91282CGH8
UNITED STATES TREASURY	US	BNY MELLON	02/15/2028	750,000.00	02/10/2025	718,974.61	7,748.62	733,567.50	4.226%	9128283W8
UNITED STATES TREASURY	US	BNY MELLON	02/29/2028	125,000.00	03/17/2026	124,199.22	1,410.07	123,466.25	3.717%	91282CQB0
UNITED STATES TREASURY	US	BNY MELLON	02/29/2028	475,000.00	03/17/2026	472,291.02	5,358.27	469,171.75	3.680%	91282CQB0
UNITED STATES TREASURY	US	BNY MELLON	03/15/2028	1,125,000.00	03/25/2025	1,120,517.58	12,793.82	1,119,903.75	4.018%	91282CMS7
UNITED STATES TREASURY	US	BNY MELLON	03/15/2028	500,000.00	04/10/2025	502,421.88	5,686.14	497,735.00	3.698%	91282CMS7
UNITED STATES TREASURY	US	BNY MELLON	03/31/2028	150,000.00	04/15/2026	150,210.94	1,461.07	149,296.50	3.799%	91282CQH7
UNITED STATES TREASURY	US	BNY MELLON	04/15/2028	500,000.00	05/05/2025	499,316.41	3,944.67	496,545.00	3.799%	91282CMW8
UNITED STATES TREASURY	US	BNY MELLON	04/30/2028	500,000.00	05/13/2026	498,554.69	3,158.97	496,505.00	3.904%	91282CQL8
UNITED STATES TREASURY	US	BNY MELLON	05/15/2028	250,000.00	05/15/2025	248,369.14	1,197.35	248,202.50	3.983%	91282CND9
UNITED STATES TREASURY	US	BNY MELLON	05/15/2028	450,000.00	06/10/2025	448,453.13	2,155.23	446,764.50	3.874%	91282CND9
UNITED STATES TREASURY	US	BNY MELLON	05/15/2028	600,000.00	06/10/2025	595,968.75	2,873.64	595,686.00	3.995%	91282CND9
UNITED STATES TREASURY	US	BNY MELLON	05/31/2028	150,000.00	06/09/2026	149,619.14	508.20	149,601.00	4.135%	91282CQS3
UNITED STATES TREASURY	US	BNY MELLON	06/15/2028	525,000.00	07/07/2025	526,886.72	889.34	522,275.25	3.744%	91282CNU0
UNITED STATES TREASURY	US	BNY MELLON	07/15/2028	400,000.00	08/06/2025	399,718.75	7,150.55	397,812.00	3.900%	91282CNU9
UNITED STATES TREASURY	US	BNY MELLON	08/15/2028	250,000.00	08/15/2025	249,287.11	3,404.70	247,335.00	3.726%	91282CNU1
UNITED STATES TREASURY	US	BNY MELLON	08/15/2028	525,000.00	09/05/2025	525,020.51	7,149.86	519,403.50	3.623%	91282CNU1
UNITED STATES TREASURY	US	BNY MELLON	09/15/2028	600,000.00	09/19/2025	597,093.75	5,942.93	590,178.00	3.547%	91282CNY3
UNITED STATES TREASURY	US	BNY MELLON	09/15/2028	250,000.00	09/29/2025	248,037.11	2,476.22	245,907.50	3.657%	91282CNY3
UNITED STATES TREASURY	US	BNY MELLON	10/15/2028	525,000.00	11/07/2025	523,790.04	3,865.78	517,492.50	3.583%	91282CPC9
UNITED STATES TREASURY	US	BNY MELLON	10/15/2028	1,000,000.00	11/12/2025	997,304.69	7,363.39	985,700.00	3.597%	91282CPC9
UNITED STATES TREASURY	US	BNY MELLON	11/15/2028	525,000.00	10/08/2025	517,658.20	2,095.36	512,877.75	3.605%	9128285M8
UNITED STATES TREASURY	US	BNY MELLON	11/15/2028	275,000.00	12/04/2025	274,699.22	1,229.28	270,938.25	3.539%	91282CPK1
UNITED STATES TREASURY	US	BNY MELLON	12/15/2028	100,000.00	12/15/2025	99,578.13	153.01	98,484.00	3.650%	91282CPP0
UNITED STATES TREASURY	US	BNY MELLON	12/15/2028	425,000.00	01/13/2026	424,485.35	650.27	418,557.00	3.543%	91282CPP0
UNITED STATES TREASURY	US	BNY MELLON	12/15/2028	125,000.00	01/15/2026	124,667.97	191.26	123,105.00	3.596%	91282CPP0
UNITED STATES TREASURY	US	BNY MELLON	01/15/2029	400,000.00	02/05/2026	398,406.25	6,458.56	393,720.00	3.643%	91282CPT2
UNITED STATES TREASURY	US	BNY MELLON	01/15/2029	500,000.00	02/10/2026	498,964.84	8,073.20	492,150.00	3.574%	91282CPT2
UNITED STATES TREASURY	US	BNY MELLON	02/15/2029	500,000.00	02/17/2026	499,003.91	6,574.59	491,895.00	3.571%	91282CQA2
UNITED STATES TREASURY	US	BNY MELLON	02/15/2029	375,000.00	03/05/2026	375,249.02	4,930.94	368,921.25	3.476%	91282CQA2
UNITED STATES TREASURY	US	BNY MELLON	02/15/2029	500,000.00	03/06/2026	499,062.50	6,574.59	491,895.00	3.567%	91282CQA2
UNITED STATES TREASURY	US	BNY MELLON	02/15/2029	400,000.00	03/09/2026	399,375.00	5,259.67	393,516.00	3.556%	91282CQA2
UNITED STATES TREASURY	US	BNY MELLON	03/15/2029	250,000.00	04/07/2026	247,744.14	2,567.93	245,880.00	3.827%	91282CQE4
UNITED STATES TREASURY	US	BNY MELLON	03/15/2029	300,000.00	04/09/2026	296,953.13	3,081.52	295,056.00	3.869%	91282CQE4
UNITED STATES TREASURY	US	BNY MELLON	04/15/2029	450,000.00	05/06/2026	449,455.08	3,668.55	446,728.50	3.918%	91282CQJ3
UNITED STATES TREASURY	US	BNY MELLON	04/15/2029	350,000.00	05/07/2026	348,796.88	2,853.31	347,455.50	3.999%	91282CQJ3
UNITED STATES TREASURY	US	BNY MELLON	05/15/2029	525,000.00	06/04/2026	521,308.59	2,598.25	521,146.50	4.130%	91282CQR5
UNITED STATES TREASURY	US	BNY MELLON	05/15/2029	250,000.00	06/08/2026	248,222.66	1,237.26	248,165.00	4.134%	91282CQR5
COOPERATIVE RABOBANK UA (NEW YORK BRANCH)	YK	BNY MELLON	05/27/2027	250,000.00	05/27/2025	250,000.00	1,032.28	250,307.50	4.372%	21688ABM3
COMMONWEALTH BANK OF AUSTRALIA (NEW YORK BRANC	YK	BNY MELLON	03/14/2028	250,000.00	03/14/2025	250,000.00	3,286.53	250,350.00	4.423%	20271RAV2
COOPERATIVE RABOBANK UA (NEW YORK BRANCH)	YK	BNY MELLON	06/09/2028	300,000.00	06/09/2026	300,000.00	740.78	300,009.00	4.041%	21688ABX9
NATIONAL AUSTRALIA BANK LTD (NEW YORK BRANCH)	YK	BNY MELLON	06/13/2028	305,000.00	06/13/2025	305,000.00	656.97	304,695.00	4.308%	632525CJ8
AUSTRALIA AND NEW ZEALAND BANKING GROUP LTD (NEW YK	YK	BNY MELLON	06/18/2028	375,000.00	06/18/2025	375,000.00	590.69	375,052.50	4.362%	05253JB75
FIDELITY GOVERNMENT		BNY MELLON		36,657.22		36,657.22	-	36,657.22	3.300%	
LOCAL AGENCY INVESTMENT FUND		LAIF	DAILY	1,524,132.27		1,524,132.27	-	1,524,132.27	3.816%	AT 06/30/26
CAMP		CAMP	DAILY	64,103,201.71		64,103,201.71	-	64,103,201.71	3.770%	AT 06/30/26
				<u>119,293,991.20</u>		<u>119,168,349.64</u>	<u>527,563.29</u>	<u>119,031,704.72</u>		

ALL INVESTMENTS LISTED ON THIS MONTHLY INVESTMENT SUMMARY
AND HELD BY SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT ARE IN
COMPLIANCE WITH THE DISTRICT'S INVESTMENT POLICY.

THE DISTRICT CAN MEET ITS EXPENDITURE REQUIREMENTS FOR THE NEXT SIX MONTHS.

Cindy Saks
CFO / DEPUTY GENERAL MANAGER

INVESTMENT TYPES	
ABS	ASSET-BACKED SECURITY
AGENCY	AGENCY BONDS
CD	CERTIFICATE OF DEPOSIT
CN	CORPORATE NOTE
YK	YANKEE
CP	COMMERCIAL PAPER
MUNI	MUNICIPAL BOND / NOTE
US	US TREASURY NOTES

DATE: August 4, 2026

TO: Board of Directors

SUBJECT: List of Announcements

- A. August 6, 2 p.m. – Board of Directors' Special Meeting – Policy/Administration by Teleconference or In-Person
- B. August 11, 2 p.m. – Board of Directors' Special Meeting - Resources/Engineering Workshop by Teleconference or In-Person
- C. August 12, 1:30 p.m. – SBVW Conservation District Board Meeting
- D. August 14, 8:00 a.m. – Southern California Water Conference DoubleTree Hotel in Ontario, 222 N Vineyard Ave
- E. August 17, 6 p.m. – ASBCSD dinner (Percy Bakker Community Center, 9333 E Ave. Hesperia)
- F. August 18, 09:30 a.m. – SAWPA Commission Meeting by Teleconference or In-Person
- G. August 18, 2 p.m. – Regular Board Meeting by Teleconference or In-Person
- H. August 19, 8:30 a.m. – Upper SAR WIFA by Teleconference (Cancelled)
- I. August 20, 09:00 a.m. – Yucaipa Groundwater Sustainability Agency - Policy Workshop