



**REGULAR MEETING  
OF THE  
CACHUMA OPERATION AND MAINTENANCE BOARD**

**Monday, September 23, 2024  
1:00 P.M.**

---

**HOW TO OBSERVE THE MEETING**

Join by Teleconference or Attend in Person

*COMB follows Centers for Disease Control and Prevention (CDC), California Department of Public Health (CDPH) and local public health guidelines with respect to COVID-19 protocols and masking requirements, based on local conditions and needs. COMB will have available masks for use during public meetings.*

Members of the public may observe the meeting electronically as set forth below.

**Join via Video Conference**

<https://us02web.zoom.us/j/86295529857?pwd=jgXnhk9539onK4iwPdPbmsZ0TPmaOc.1>

**Passcode: 717770**

**Join via Teleconference**

**US 1 669 900 6833 US Webinar ID: 862 9552 9857 Passcode: 717770**

**HOW TO MAKE A PUBLIC COMMENT**

Any member of the public may address the Board on any subject within the jurisdiction of the Board of Directors. The total time for this item will be limited by the President of the Board. The Board is not responsible for the content or accuracy of statements made by members of the public. No action will be taken by the Board on any Public Comment item.

**In person:** Those observing the meeting in person may make comments during designated public comment periods.

**By Video:** Those observing the meeting by video may make comments during designated public comment periods using the “raise hand” feature. Commenters will be required to unmute their respective microphone when providing comments.

**By Telephone:** Those observing the meeting by telephone may make comments during the designated public comment periods by pressing \*9 on the keypad to indicate such interest. Commenters will be prompted to press \*6 to unmute their respective telephone when called upon to speak.

**AMERICANS WITH DISABILITIES ACT**

In compliance with the Americans with Disabilities Act, if you need special assistance to review agenda materials or participate in this meeting, please contact the Cachuma Operation and Maintenance Board office at (805) 687-4011 at least 48 hours prior to the meeting to enable the Board to make reasonable arrangements.

**THIS PAGE INTENTIONALLY LEFT BLANK**

**REGULAR MEETING  
OF THE CACHUMA OPERATION AND MAINTENANCE BOARD**  
*held at*  
**3301 Laurel Canyon Road  
Santa Barbara, CA 93105**

---

**Monday, September 23, 2024**

**1:00 PM**

**AGENDA**

**NOTICE:** This Meeting shall be conducted in-person and through remote access as authorized and in accordance with Government Code section 54953, AB 361 and AB 2449.

- 1. CALL TO ORDER, ROLL CALL**
- 2. PUBLIC COMMENT** *(Public may address the Board on any subject matter within the Board's jurisdiction. See "Notice to the Public" below.)*
- 3. CONSENT AGENDA** *(All items on the Consent Agenda are considered to be routine and will be approved or rejected in a single motion. Any item placed on the Consent Agenda may be removed and placed on the Regular Agenda for discussion and possible action upon the request of any Board Member.)*  
Action: Recommend Approval of Consent Agenda by motion and roll call vote of the Board
  - a. Minutes of August 26, 2024 Regular Board Meeting
  - b. Investment of Funds
    - Financial Reports
    - Investment Reports
  - c. Review of Paid Claims
- 4. VERBAL REPORTS FROM BOARD COMMITTEES**  
Receive verbal information regarding the following committee meetings:
  - Fisheries Committee Meeting – September 12, 2024
- 5. FISH PASSAGE ENHANCEMENT PROJECT – EL JARO CREEK, RANCHO SAN JULIAN**  
Action: Recommend approval by motion and roll call vote of the Board
- 6. GENERAL MANAGER REPORT**  
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
  - Administration
  - U.S. Bureau of Reclamation
- 7. ENGINEER'S REPORT**  
Receive information from the COMB Engineer, including but not limited to, the following:
  - Climate Conditions
  - Lake Elevation
  - Lake Water Quality
  - Carpinteria LIVR Project

**THIS PAGE INTENTIONALLY LEFT BLANK**

- Winter Storm Damage and Repairs
- Infrastructure Improvement Projects Update

**8. OPERATIONS DIVISION REPORT**

Receive information regarding the Operations Division, including but not limited to, the following:

- Lake Cachuma Operations
- Operation and Maintenance Activities

**9. FISHERIES DIVISION REPORT**

Receive information from the Fisheries Division Manager, including but not limited to, the following:

- LSYR Steelhead Monitoring Elements
- Surcharge Water Accounting
- Reporting/Outreach/Training

**10. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM**

Receive information on the Oak Tree Program, including but not limited to, the following:

- Maintenance and Monitoring
- End of Program Plan

**11. MONTHLY CACHUMA PROJECT REPORTS**

Receive information regarding the Cachuma Project, including but not limited to, the following:

- a. Cachuma Water Reports
- b. Cachuma Reservoir Current Conditions
- c. Lake Cachuma Quagga Survey

**12. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING**

**13. MEETING SCHEDULE**

- **Regular Board Meeting – October 28, 2024 at 1:00 PM**
- **Board Packages available on COMB website [www.cachuma-board.org](http://www.cachuma-board.org)**

**14. COMB ADJOURNMENT**

**NOTICE TO PUBLIC**

**Posting of Agenda:** This agenda was posted at COMB's offices, located at 3301 Laurel Canyon Road, Santa Barbara, California, 93105 and on COMB's website, in accordance with Government Code Section 54954.2. The agenda contains a brief general description of each item to be considered by the Governing Board. The Board reserves the right to modify the order in which agenda items are heard. Copies of staff reports or other written documents relating to each item of business are on file at the COMB offices and are available for public inspection during normal business hours. A person with a question concerning any of the agenda items may call COMB's General Manager at (805) 687-4011.

**Written materials:** In accordance with Government Code Section 54957.5, written materials relating to an item on this agenda which are distributed to the Governing Board less than 72 hours (for a regular meeting) or 24 hours (for a special meeting) will be made available for public inspection at the COMB offices during normal business hours. The written materials may also be posted on COMB's website subject to staff's ability to post the documents before the scheduled meeting.

**Public Comment:** Any member of the public may address the Board on any subject within the jurisdiction of the Board. The total time for this item will be limited by the President of the Board. The Board is not responsible for the content or accuracy of statements made by members of the public. No action will be taken by the Board on any Public Comment item.

**Americans with Disabilities Act:** In compliance with the Americans with Disabilities Act, if you need special assistance to review agenda materials or participate in this meeting, please contact the Cachuma Operation and Maintenance Board office at (805) 687-4011 at least 48 hours prior to the meeting to enable the Board to make reasonable arrangements.

**Note:** If you challenge in court any of the Board's decisions related to the listed agenda items you may be limited to raising only those issues you or someone else raised at any public hearing described in this notice or in written correspondence to the Governing Board prior to the public hearing.

**THIS PAGE INTENTIONALLY LEFT BLANK**

**MINUTES OF REGULAR MEETING  
OF THE CACHUMA OPERATION AND MAINTENANCE BOARD**

*held at*

**3301 Laurel Canyon Road  
Santa Barbara, CA 93105**

**Monday, August 26, 2024  
1:00 PM**

---

**MINUTES**

**1. CALL TO ORDER, ROLL CALL**

The regular meeting of the Board of Directors was called to order by President Holcombe at 1:08 PM.

**Directors Present:**

Polly Holcombe, Carpinteria Valley Water District  
Kristen Sneddon, City of Santa Barbara  
Lauren Hanson, Goleta Water District  
Cori Hayman, Montecito Water District

**General Counsel Present:**

William Carter - Musick, Peeler, Garrett, LLP

**Staff Present:**

|  |  |
|--|--|
| Janet Gingras, General Manager                 | Shane King, Ops Supervisor/Chief Distribution Operator |
| Edward Lyons, Administrative Manager / CFO     | Elijah Papen, Water Resources Analyst                  |
| Joel Degner, Engineer/Operations Division Mgr. | Rosey Bishop, Administrative Assistant II              |
| Tim Robinson, Fisheries Division Manager       | Dorothy Turner, Administrative Assistant II            |

**Others Present:**

|  |   |
|--|---|
| Dakota Corey, City of Santa Barbara    | Matthew Scrudato, County of SB Water Agency |
| Dana Hoffenberg, City of Santa Barbara |   |

**2. PUBLIC COMMENT**

There was no public comment.

**3. CONSENT AGENDA**

- a. Minutes of July 22, 2024 Regular Board Meeting
- b. Investment of Funds
  - Financial Reports
  - Investment Reports
- c. Review of Paid Claims

President Holcombe asked for a motion to approve item 3.a. which was provided Director Sneddon and seconded by Director Hanson. The motion to approve the Minutes carried with a vote of five in favor and one abstention.

**Ayes:** Sneddon, Hayman, Hanson  
**Nays:**  
**Absent:**  
**Abstain:** Holcombe

Ms. Gingras presented the financial reports and paid claims. Mr. Lyons provided detail on paid claims of note, including remittances to Quinn Company, R.A. Atmore, Zac Gonzales Landscaping, Peter Lapidus and Smith MEP, among others.

Director Hanson made a motion to approve items 3.b and 3.c. Director Hayman seconded the motion which passed with a vote of six in favor.

**Ayes:** Sneddon, Hayman, Hanson, Holcombe  
**Nays:**  
**Absent:**  
**Abstain:**

**4. VERBAL REPORTS FROM BOARD COMMITTEES**

- Oak Tree Committee Meeting – July 25, 2024
- Fisheries Committee Meeting – July 31, 2024
- Operations Committee Meeting – August 21, 2024

Director Hayman presented the Oak Tree Committee agenda and stated that the report will be discussed in this meeting.

Director Hanson, on behalf of the Fisheries Committee, noted that the results of the annual Warren Act Trust Fund/Renewal Fund/Betterment Fund meeting would be discussed in this agenda with other information to be presented in the Fisheries Division report.

Director Holcombe reported out regarding the Operations Committee, briefly recapping each item and noting that each was to be addressed in today's meeting.

**5. BOARD COMMITTEE APPOINTMENTS FOR FISCAL YEAR 2024-25**

1. Administrative Committee
2. Operations Committee
3. Fisheries Committee
4. Lake Cachuma Oak Tree Committee
5. Public Outreach Committee

President Holcombe advised that she saw no reason to make changes in committee appointments unless a director requested a change. As no discussion or other comments ensued, she stated that appointments would remain as they are for the current fiscal year.

**6. FINANCIAL REVIEW – 4<sup>th</sup> QUARTER FISCAL YEAR 2023-24**

Mr. Lyons shared his Powerpoint presentation to illustrate the quarterly financial data. He reviewed revenues received during the quarter and then presented actual expenditures for each division for the prior fiscal year, as compared to the budget. He provided explanation for any variances. Mr. Lyons fielded questions from the Board. Finally, in reviewing the administrative deliverables, he stated that the annual financial audit would begin on the following day and that COMB would also undergo a full OPEB Valuation this fiscal year.



**7. CACHUMA PROJECT MASTER CONTRACT RENEWAL FUND AND WARREN ACT TRUST FUND – LONG-TERM AND ANNUAL PLAN / SANTA BARBARA COUNTY BETTERMENT FUND**

Ms. Gingras introduced the item by listing for the Board the names of the Funds Committee members who were present at their meeting. She invited Mr. Lyons to discuss the results of the meeting. He reviewed the accounting for the upcoming water year and itemized the sources of revenues available for qualified expenditures. Mr. Robinson discussed the proposed use of funds in greater detail, referring the Board to Table 5 of the report which lists planned expenditures. He reviewed the five-year plan briefly and fielded questions from the Board.

Mr. Lyons noted that the Funds Committee concurred with the proposed expenditures. Finally, he reported that the Funds Committee meeting was followed immediately by the Betterment Fund Committee meeting wherein the County committed to contribute the full \$100,000 which will be used to offset the USGS Stream Gauge program.

Director Sneddon motioned to approve the proposed expenditures followed by a second from Director Hanson. The motion carried with a vote of six in favor.

**Ayes:** Sneddon, Hayman, Hanson, Holcombe  
**Nays:**  
**Absent:**  
**Abstain:**

**8. COMB/CVWD COOPERATIVE AGREEMENT - PROPOSED SECOND ADDENDUM**

Ms. Gingras provided a brief overview of the history of the cooperative agreement and the need for the second addendum. Mr. Degner provided additional detail. Ms. Gingras and Mr. Degner fielded questions from the Board.

Director Hanson motioned to approve the Second Addendum to the Cooperative Agreement. Director Sneddon seconded the motion which passed with a vote of six in favor.

**Ayes:** Sneddon, Hayman, Hanson, Holcombe  
**Nays:**  
**Absent:**  
**Abstain:**

**9. RESOLUTION NO. 809 - 2024 WINTER STORM DAMAGE – LAURO DEBRIS BASIN DEBRIS REMOVAL CONSTRUCTION CONTRACT (FEMA ELIGIBLE)**

Mr. Degner presented the agenda item and stated that the Lauro Debris Basin project had been placed for bid. The lowest, responsive bid was submitted by Peter Lapidus Construction, Inc. Upon Board approval and execution of the bid contract, work will commence in order to prepare for runoff during the rainy season.

Director Hayman provided the motion to approve the project, followed by Director Sneddon's second. The motion carried with a vote of six in favor.

**Ayes:** Sneddon, Hayman, Hanson, Holcombe  
**Nays:**  
**Absent:**

**Abstain:**

**10. OPERATIONS DIVISION EQUIPMENT PURCHASES**

- a. Crane Truck
- b. Intake Log Boom

Mr. Degner opened the discussion of the purchases proposed by the Operations Division. He advised that he had obtained chassis and bed quotes for a new crane truck. Upon its purchase, COMB's existing two crane trucks will be sold at auction.

Mr. Degner followed with a discussion of the need for and cost of a new log boom for the protection of the North Portal. He noted that COMB will refurbish and reuse the existing log boom at other sites. Staff hopes to offset the costs incurred by this purchase with grant funding. Directors expressed interest in the installation of security measures around the North Portal.

Director Sneddon motioned to approve the two purchases. Director Hanson seconded the motion which passed with a vote of six in favor.

**Ayes:** Sneddon, Hayman, Hanson, Holcombe

**Nays:**

**Absent:**

**Abstain:**

**11. LAKE CACHUMA OAK TREE RESTORATION PROGRAM ANNUAL REPORT**

Mr. Robinson presented the annual Oak Tree program report. He provided statistics on target numbers of self-sustaining trees, numbers planted and numbers surviving. As well, Mr. Robinson reviewed the costs to date of the program. As the program sunsets, Mr. Robinson and staff will continue maintenance efforts and update statistics as necessary.

**12. GENERAL MANAGER REPORT**

- Administration
- U.S. Bureau of Reclamation

Ms. Gingras presented the General Manager report. She provided information regarding the upcoming health benefits open enrollment and noted that increases in health insurance premiums were embedded in the current budget. She provided an update on the Bradbury SOD contract, noting that Reclamation has incurred costs beyond the original contract. COMB staff continues to discuss an amendment to the contract and revision to the payment schedule with Reclamation. A technical meeting is scheduled for November. Additionally, Ms. Gingras advised that Reclamation has invited COMB staff to provide input and field expertise in a Value Planning Study Session required by Term 24(a) of the Water Board Order.

**13. ENGINEER'S REPORT**

- Climate Conditions
- 2024 Lake Fire
- Winter Storm Damage and Repairs
- Infrastructure Improvement Projects Update

Mr. Degner initiated his report with an update on climate and the expected La Nina conditions. He provided a Lake Fire update and information regarding FEMA reimbursement with respect to the Toro

Canyon structure. Mr. Degner drew Board attention to a new table added to the report to track 2024 storm damages. The table includes the costs for the Lauro debris removal project.

**14. OPERATIONS DIVISION REPORT**

- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. King presented the Operations Division report, advising that it had been a very busy few weeks, with far more Dig Alerts than usual. He noted the finished car port installation, the upcoming lateral work and the upgrade to the North Portal generator, which will provide valuable generator data. Mr. King reported that Aspect will work on the SCADA system next week and that staff had replaced the Valley Club meter successfully. Structure maintenance continues. Finally, Mr. King mentioned that Reclamation intends to recommend cameras at the North Portal resulting from their site security inspection.

**15. FISHERIES DIVISION REPORT**

- LSYR Steelhead Monitoring Elements
- Surcharge Water Accounting
- Reporting/Outreach/Training

Mr. Robinson began his Fisheries report with a short discussion of the five watersheds potentially impacted by the Lake Fire. He provided updates on the normal BiOp related tasks that staff performs and the status of permits for the upcoming Fish Passage Enhancement project. Mr. Robinson noted that the surcharge water accounting table indicates that debiting of surcharge water accounts began with the cessation of surplus water. His report now contains updates on the various terms issued by the State Water Board, as requested by the Fisheries Committee.

**16. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM**

- Maintenance and Monitoring
- End of Program Plan

Mr. Robinson proceeded to the Oak Tree report and advised that staff is engaged in watering years 12 and 13 trees. He also provided a report of the park renovation activity currently underway in their recreational vehicle camping area and its impact on COMB oak trees.

**17. MONTHLY CACHUMA PROJECT REPORTS**

- a. Cachuma Water Reports
- b. Cachuma Reservoir Current Conditions
- c. Lake Cachuma Quagga Survey

Ms. Gingras stated that the water reports indicated a normal month with a small increase in apparent water loss, which staff is reviewing.

**18. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING**

Directors requested a Security of Facilities discussion in conjunction with the upcoming and required five year update to COMB's Risk and Resiliency Plan as required under the America Water Infrastructure Act.

**19. MEETING SCHEDULE**

- **Regular Board Meeting – September 23, 2024 at 1:00 PM**
- **Board Packages available on COMB website [www.cachuma-board.org](http://www.cachuma-board.org)**

**20. COMB ADJOURNMENT**

There being no further business, the meeting was adjourned at 3:10 PM.

Respectfully submitted,

\_\_\_\_\_  
Janet Gingras, Secretary of the Board

|   |                   |
|---|-------------------|
|   | <i>Approved</i>   |
| √ | <i>Unapproved</i> |

**APPROVED:**

\_\_\_\_\_  
Polly Holcombe, President of the Board

# Cachuma Operation & Maintenance Board Statement of Net Position

As of August 31, 2024  
UNAUDITED

August 31, 2024 (\*)

**ASSETS**

**Current Assets**

**Checking/Savings**

**Trust Funds**

1210 · Warren Act Trust Fund

\$ 71,561.28

1220 · Renewal Fund

126,162.26

**Total Trust Funds**

\$ 197,723.54

1050 · General Fund

308,918.11

1100 · Revolving Fund

306,879.38

**Total Checking/Savings**

813,521.03

**Accounts Receivable**

1301 · Accounts Receivable

1,570.00

**Total Accounts Receivable**

1,570.00

**Other Current Assets**

1200 · LAIF

2,221,938.02

1010 · Petty Cash

500.00

1303 · Bradbury SOD Act Assessments Receivable

235,771.99

1304 · Lauro Dam SOD Assessments Receivable

35,784.41

1400 · Prepaid Insurance

14,501.72

**Total Other Current Assets**

2,508,496.14

**Total Current Assets**

3,323,587.17

**Fixed Assets**

1500 · Vehicles

805,354.46

1505 · Office Furniture & Equipment

242,066.08

1510 · Mobile Offices

424,910.38

1515 · Field Equipment

666,108.20

1520 · Building Improvements

62,263.00

1524 · Infrastructure

4,751,941.69

1550 · Accumulated Depreciation

(1,217,601.83)

**Total Fixed Assets**

5,735,041.98

**Other Assets**

1910 · Long Term Bradbury SOD Act Assessments Receivable

3,372,698.07

1920 · Long Term Lauro SOD Act Assessments Receivable

634,994.44

1922 · Deferred Outflow of Resources (GASB 68)

1,136,753.00

1923 · Deferred Outflow (GASB 75)

652,844.00

**Total Other Assets**

5,797,289.51

**TOTAL ASSETS**

**\$ 14,855,918.66**

**Cachuma Operation & Maintenance Board  
Statement of Net Position**

As of August 31, 2024  
UNAUDITED

August 31, 2024 (\*)

**LIABILITIES & NET POSITION**

**Liabilities**

**Current Liabilities**

**Accounts Payable**

2200 · Accounts Payable \$ 30,867.05

**Total Accounts Payable** 30,867.05

**Other Current Liabilities**

2505 · Accrued Wages 41,585.88

2510 · Accrued Expenses 3,307.38

2550 · Vacation/Sick 313,673.30

2561 · Bradbury Dam SOD Act 235,771.99

2563 · Lauro Dam SOD Act 35,784.41

2565 · Accrued Interest SOD Act 28,125.00

2590 · Deferred Revenue 197,723.54

**Total Other Current Liabilities** 855,971.50

**Total Current Liabilities** 886,838.55

**Long Term Liabilities**

2602 · Long Term SOD Act Liability-Bradbury 3,372,688.07

2603 · Long Term SOD Act Liability - Lauro 634,994.44

2604 · OPEB Long Term Liability 3,378,115.00

2610 · Net Pension Liability (GASB 68) 2,500,359.00

2611 · Deferred Inflow of Resources (GASB 68) 129,899.00

2612 · Deferred Inflow of Resources (GASB 75) 1,035,632.00

**Total Long Term Liabilities** 11,051,687.51

**Total Liabilities** 11,938,526.06

**Net Position**

3000 · Opening Balance Net Position (5,296,580.05)

3901 · Retained Net Assets 7,242,981.02

**Net Surplus / Deficit** 970,991.63

**Total Net Position** 2,917,392.60

**TOTAL LIABILITIES & NET POSITION** \$ **14,855,918.66**

(\*) Does not include year-end audit adjustments

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures (Unaudited)**  
 Budget vs. Actuals July 2024 - June 2025

|  | Fisheries            |                        |                          |               | Operations             |                        |                          |               | TOTAL                  |                        |                          |              |
|--|----------------------|------------------------|--------------------------|---------------|------------------------|------------------------|--------------------------|---------------|------------------------|------------------------|--------------------------|--------------|
|  | Jul - Aug 24         | Budget                 | \$ Over / (Under) Budget | % of Budget   | Jul - Aug 24           | Budget                 | \$ Over / (Under) Budget | % of Budget   | Jul - Aug 24           | Budget                 | \$ Over / (Under) Budget | % of Budget  |
| <b>Revenue</b>                               |                      |                        |                          |               |                        |                        |                          |               |                        |                        |                          |              |
| <b>3000 REVENUE</b>                          |                      |                        |                          |               |                        |                        |                          |               |                        |                        |                          |              |
| 3001 · O&M Budget (Qtrly Assessments)        | 577,190.00           | 1,449,436.00           | -872,246.00              | 39.82%        | 1,249,399.00           | 4,854,900.00           | -3,605,501.00            | 25.74%        | 1,826,589.00           | 6,304,336.00           | -4,477,747.00            | 28.97%       |
| 3006 · Warren Act                            | 0.00                 | 17,286.00              | -17,286.00               | 0.0%          | 0.00                   |                        |                          |               | 0.00                   | 17,286.00              | -17,286.00               | 0.0%         |
| 3007 · Renewal Fund                          | 0.00                 | 342,286.00             | -342,286.00              | 0.0%          | 0.00                   |                        |                          |               | 0.00                   | 342,286.00             | -342,286.00              | 0.0%         |
| 3020 · Misc Income                           | 0.00                 |                        |                          |               | 250.00                 | 20,000.00              | -19,750.00               | 1.25%         | 250.00                 | 20,000.00              | -19,750.00               | 1.25%        |
| 3021 · Grant Income                          | 0.00                 |                        |                          |               | 560.00                 |                        |                          |               | 560.00                 | 0.00                   | 560.00                   | 100.0%       |
| 3035 · Cachuma Project Betterment Fund       | 0.00                 | 100,000.00             | -100,000.00              | 0.0%          | 0.00                   |                        |                          |               | 0.00                   | 100,000.00             | -100,000.00              | 0.0%         |
| 3047 · 2023 Winter Storms                    | 0.00                 |                        |                          |               | 0.00                   | 800,000.00             | -800,000.00              | 0.0%          | 0.00                   | 800,000.00             | -800,000.00              | 0.0%         |
| <b>Total 3000 REVENUE</b>                    | <b>\$ 577,190.00</b> | <b>\$ 1,909,008.00</b> | <b>\$ (1,331,818.00)</b> | <b>30.24%</b> | <b>\$ 1,250,209.00</b> | <b>\$ 5,674,900.00</b> | <b>\$ (4,424,691.00)</b> | <b>22.03%</b> | <b>\$ 1,827,399.00</b> | <b>\$ 7,583,908.00</b> | <b>\$ (5,756,509.00)</b> | <b>24.1%</b> |
| <b>Expense</b>                               |                      |                        |                          |               |                        |                        |                          |               |                        |                        |                          |              |
| 3100 · LABOR - OPERATIONS                    | \$ -                 | \$ -                   | \$ -                     | 0.0%          | \$ 278,615.45          | \$ 1,296,613.00        | \$ (1,017,997.55)        | 21.49%        | \$ 278,615.45          | \$ 1,296,613.00        | \$ (1,017,997.55)        | 21.49%       |
| <b>3200 VEH &amp; EQUIPMENT</b>              |                      |                        |                          |               |                        |                        |                          |               |                        |                        |                          |              |
| 3201 · Vehicle/Equip Mtce                    | 0.00                 |                        |                          |               | 7,607.58               | 40,000.00              | -32,392.42               | 19.02%        | 7,607.58               | 40,000.00              | -32,392.42               | 19.02%       |
| 3202 · Fixed Capital                         | 0.00                 |                        |                          |               | 0.00                   | 200,000.00             | -200,000.00              | 0.0%          | 0.00                   | 200,000.00             | -200,000.00              | 0.0%         |
| 3203 · Equipment Rental                      | 0.00                 |                        |                          |               | 1,687.09               | 40,000.00              | -38,312.91               | 4.22%         | 1,687.09               | 40,000.00              | -38,312.91               | 4.22%        |
| 3204 · Miscellaneous                         | 0.00                 |                        |                          |               | 248.86                 | 10,000.00              | -9,751.14                | 2.49%         | 248.86                 | 10,000.00              | -9,751.14                | 2.49%        |
| <b>Total 3200 VEH &amp; EQUIPMENT</b>        | <b>0.00</b>          |                        |                          |               | <b>9,543.53</b>        | <b>290,000.00</b>      | <b>-280,456.47</b>       | <b>3.29%</b>  | <b>9,543.53</b>        | <b>290,000.00</b>      | <b>-280,456.47</b>       | <b>3.29%</b> |
| <b>3300 · CONTRACT LABOR</b>                 |                      |                        |                          |               |                        |                        |                          |               |                        |                        |                          |              |
| 3301 · Conduit, Meter, Valve & Misc          | 0.00                 |                        |                          |               | 2,398.00               | 35,000.00              | -32,602.00               | 6.85%         | 2,398.00               | 35,000.00              | -32,602.00               | 6.85%        |
| 3302 · Buildings & Roads                     | 0.00                 |                        |                          |               | 3,712.51               | 25,000.00              | -21,287.49               | 14.85%        | 3,712.51               | 25,000.00              | -21,287.49               | 14.85%       |
| 3303 · Reservoirs                            | 0.00                 |                        |                          |               | 5,833.33               | 60,000.00              | -54,166.67               | 9.72%         | 5,833.33               | 60,000.00              | -54,166.67               | 9.72%        |
| 3304 · Engineering, Misc Services            | 0.00                 |                        |                          |               | 0.00                   | 40,000.00              | -40,000.00               | 0.0%          | 0.00                   | 40,000.00              | -40,000.00               | 0.0%         |
| <b>Total 3300 · CONTRACT LABOR</b>           | <b>0.00</b>          |                        |                          |               | <b>11,943.84</b>       | <b>160,000.00</b>      | <b>-148,056.16</b>       | <b>7.47%</b>  | <b>11,943.84</b>       | <b>160,000.00</b>      | <b>-148,056.16</b>       | <b>7.47%</b> |
| <b>3400 · MATERIALS &amp; SUPPLIES</b>       |                      |                        |                          |               |                        |                        |                          |               |                        |                        |                          |              |
| 3401 · Conduit, Meter, Valve & Misc          | 0.00                 |                        |                          |               | 3,124.32               | 80,000.00              | -76,875.68               | 3.91%         | 3,124.32               | 80,000.00              | -76,875.68               | 3.91%        |
| 3402 · Buildings & Roads                     | 0.00                 |                        |                          |               | 1,754.15               | 20,000.00              | -18,245.85               | 8.77%         | 1,754.15               | 20,000.00              | -18,245.85               | 8.77%        |
| 3403 · Reservoirs                            | 0.00                 |                        |                          |               | 0.00                   | 10,000.00              | -10,000.00               | 0.0%          | 0.00                   | 10,000.00              | -10,000.00               | 0.0%         |
| <b>Total 3400 · MATERIALS &amp; SUPPLIES</b> | <b>0.00</b>          |                        |                          |               | <b>4,878.47</b>        | <b>110,000.00</b>      | <b>-105,121.53</b>       | <b>4.44%</b>  | <b>4,878.47</b>        | <b>110,000.00</b>      | <b>-105,121.53</b>       | <b>4.44%</b> |
| <b>3500 · OTHER EXPENSES</b>                 |                      |                        |                          |               |                        |                        |                          |               |                        |                        |                          |              |
| 3501 · Utilities                             | 0.00                 |                        |                          |               | 1,136.07               | 7,000.00               | -5,863.93                | 16.23%        | 1,136.07               | 7,000.00               | -5,863.93                | 16.23%       |
| 3502 · Uniforms                              | 0.00                 |                        |                          |               | 0.00                   | 7,500.00               | -7,500.00                | 0.0%          | 0.00                   | 7,500.00               | -7,500.00                | 0.0%         |
| 3503 · Communications                        | 0.00                 |                        |                          |               | 1,711.72               | 16,000.00              | -14,288.28               | 10.7%         | 1,711.72               | 16,000.00              | -14,288.28               | 10.7%        |
| 3504 · USA & Other Services                  | 0.00                 |                        |                          |               | 1,223.93               | 8,000.00               | -6,776.07                | 15.3%         | 1,223.93               | 8,000.00               | -6,776.07                | 15.3%        |
| 3505 · Miscellaneous                         | 0.00                 |                        |                          |               | 3,245.84               | 12,000.00              | -8,754.16                | 27.05%        | 3,245.84               | 12,000.00              | -8,754.16                | 27.05%       |
| 3506 · Training                              | 0.00                 |                        |                          |               | 0.00                   | 3,000.00               | -3,000.00                | 0.0%          | 0.00                   | 3,000.00               | -3,000.00                | 0.0%         |
| 3507 · Permits                               | 0.00                 |                        |                          |               | 0.00                   | 25,000.00              | -25,000.00               | 0.0%          | 0.00                   | 25,000.00              | -25,000.00               | 0.0%         |
| <b>Total 3500 · OTHER EXPENSES</b>           | <b>0.00</b>          |                        |                          |               | <b>7,317.56</b>        | <b>78,500.00</b>       | <b>-71,182.44</b>        | <b>9.32%</b>  | <b>7,317.56</b>        | <b>78,500.00</b>       | <b>-71,182.44</b>        | <b>9.32%</b> |

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures (Unaudited)**  
 Budget vs. Actuals July 2024 - June 2025

|   | Fisheries    |            |                             |             | Operations   |            |                             |             | TOTAL        |            |                             |             |
|---|--------------|------------|-----------------------------|-------------|--------------|------------|-----------------------------|-------------|--------------|------------|-----------------------------|-------------|
|   | Jul - Aug 24 | Budget     | \$ Over / (Under)<br>Budget | % of Budget | Jul - Aug 24 | Budget     | \$ Over / (Under)<br>Budget | % of Budget | Jul - Aug 24 | Budget     | \$ Over / (Under)<br>Budget | % of Budget |
| 4100 · LABOR - FISHERIES                    | 185,883.69   | 870,930.00 | -685,046.31                 | 21.34%      | 0.00         |            |                             |             | 185,883.69   | 870,930.00 | -685,046.31                 | 21.34%      |
| 4200 · VEHICLES & EQUIP - FISHERIES         |              |            |                             |             |              |            |                             |             |              |            |                             |             |
| 4270 · Vehicle/Equip Mtce                   | 6,440.26     | 30,000.00  | -23,559.74                  | 21.47%      | 0.00         |            |                             |             | 6,440.26     | 30,000.00  | -23,559.74                  | 21.47%      |
| 4280 · Fixed Capital                        | 0.00         | 20,000.00  | -20,000.00                  | 0.0%        | 0.00         |            |                             |             | 0.00         | 20,000.00  | -20,000.00                  | 0.0%        |
| 4290 · Miscellaneous                        | 0.00         | 2,500.00   | -2,500.00                   | 0.0%        | 0.00         |            |                             |             | 0.00         | 2,500.00   | -2,500.00                   | 0.0%        |
| Total 4200 · VEHICLES & EQUIP - FISHERIES   | 6,440.26     | 52,500.00  | -46,059.74                  | 12.27%      | 0.00         |            |                             |             | 6,440.26     | 52,500.00  | -46,059.74                  | 12.27%      |
| 4220 · CONTRACT LABOR - FISHERIES           |              |            |                             |             |              |            |                             |             |              |            |                             |             |
| 4221 · Meters & Valves                      | 0.00         | 3,000.00   | -3,000.00                   | 0.0%        | 0.00         |            |                             |             | 0.00         | 3,000.00   | -3,000.00                   | 0.0%        |
| 4222 · Fish Projects Maintenance            | 1,602.62     | 11,000.00  | -9,397.38                   | 14.57%      | 0.00         |            |                             |             | 1,602.62     | 11,000.00  | -9,397.38                   | 14.57%      |
| Total 4220 · CONTRACT LABOR - FISHERIES     | 1,602.62     | 14,000.00  | -12,397.38                  | 11.45%      | 0.00         |            |                             |             | 1,602.62     | 14,000.00  | -12,397.38                  | 11.45%      |
| 4300 · MATERIALS/SUPPLIES - FISHERIES       |              |            |                             |             |              |            |                             |             |              |            |                             |             |
| 4390 · Miscellaneous                        | 599.54       | 8,000.00   | -7,400.46                   | 7.49%       | 0.00         |            |                             |             | 599.54       | 8,000.00   | -7,400.46                   | 7.49%       |
| Total 4300 · MATERIALS/SUPPLIES - FISHERIES | 599.54       | 8,000.00   | -7,400.46                   | 7.49%       | 0.00         |            |                             |             | 599.54       | 8,000.00   | -7,400.46                   | 7.49%       |
| 4500 · OTHER EXPENSES - FISHERIES           |              |            |                             |             |              |            |                             |             |              |            |                             |             |
| 4502 · Uniforms                             | 214.98       | 5,000.00   | -4,785.02                   | 4.3%        | 0.00         |            |                             |             | 214.98       | 5,000.00   | -4,785.02                   | 4.3%        |
| 4503 · Permits                              | 6,101.25     | 8,000.00   | -1,898.75                   | 76.27%      | 0.00         |            |                             |             | 6,101.25     | 8,000.00   | -1,898.75                   | 76.27%      |
| Total 4500 · OTHER EXPENSES - FISHERIES     | 6,316.23     | 13,000.00  | -6,683.77                   | 48.59%      | 0.00         |            |                             |             | 6,316.23     | 13,000.00  | -6,683.77                   | 48.59%      |
| 4999 · GENERAL & ADMINISTRATIVE             |              |            |                             |             |              |            |                             |             |              |            |                             |             |
| 5000 · Director Fees                        | 0.00         |            |                             |             | 1,863.26     | 12,400.00  | -10,536.74                  | 15.03%      | 1,863.26     | 12,400.00  | -10,536.74                  | 15.03%      |
| 5001 · Director Mileage                     | 0.00         |            |                             |             | 103.66       | 600.00     | -496.34                     | 17.28%      | 103.66       | 600.00     | -496.34                     | 17.28%      |
| 5100 · Legal                                | 0.00         |            |                             |             | 1,715.00     | 75,000.00  | -73,285.00                  | 2.29%       | 1,715.00     | 75,000.00  | -73,285.00                  | 2.29%       |
| 5101 · Audit                                | 0.00         |            |                             |             | 1,508.00     | 22,750.00  | -21,242.00                  | 6.63%       | 1,508.00     | 22,750.00  | -21,242.00                  | 6.63%       |
| 5150 · Unemployment Tax                     | 0.00         |            |                             |             | 0.00         | 5,000.00   | -5,000.00                   | 0.0%        | 0.00         | 5,000.00   | -5,000.00                   | 0.0%        |
| 5200 · Liability Insurance                  | 0.00         |            |                             |             | 11,045.18    | 47,900.00  | -36,854.82                  | 23.06%      | 11,045.18    | 47,900.00  | -36,854.82                  | 23.06%      |
| 5310 · Postage/Office Exp                   | 0.00         |            |                             |             | 652.86       | 6,000.00   | -5,347.14                   | 10.88%      | 652.86       | 6,000.00   | -5,347.14                   | 10.88%      |
| 5311 · Office Equip/Leases                  | 0.00         |            |                             |             | 1,202.10     | 13,440.00  | -12,237.90                  | 8.94%       | 1,202.10     | 13,440.00  | -12,237.90                  | 8.94%       |
| 5312 · Misc Admin Expenses                  | 0.00         |            |                             |             | 1,311.50     | 11,000.00  | -9,688.50                   | 11.92%      | 1,311.50     | 11,000.00  | -9,688.50                   | 11.92%      |
| 5313 · Communications                       | 0.00         |            |                             |             | 1,143.35     | 9,500.00   | -8,356.65                   | 12.04%      | 1,143.35     | 9,500.00   | -8,356.65                   | 12.04%      |
| 5314 · Utilities                            | 0.00         |            |                             |             | 2,771.51     | 9,739.00   | -6,967.49                   | 28.46%      | 2,771.51     | 9,739.00   | -6,967.49                   | 28.46%      |
| 5315 · Membership Dues                      | 0.00         |            |                             |             | 171.60       | 11,700.00  | -11,528.40                  | 1.47%       | 171.60       | 11,700.00  | -11,528.40                  | 1.47%       |
| 5316 · Admin Fixed Assets                   | 0.00         |            |                             |             | 129.84       | 12,000.00  | -11,870.16                  | 1.08%       | 129.84       | 12,000.00  | -11,870.16                  | 1.08%       |
| 5318 · Computer Consultant                  | 0.00         |            |                             |             | 2,020.20     | 35,000.00  | -32,979.80                  | 5.77%       | 2,020.20     | 35,000.00  | -32,979.80                  | 5.77%       |
| 5325 · Emp Training/Subscriptions           | 0.00         |            |                             |             | 0.00         | 2,000.00   | -2,000.00                   | 0.0%        | 0.00         | 2,000.00   | -2,000.00                   | 0.0%        |
| 5330 · Admin Travel                         | 0.00         |            |                             |             | 0.00         | 3,500.00   | -3,500.00                   | 0.0%        | 0.00         | 3,500.00   | -3,500.00                   | 0.0%        |
| 5331 · Public Information                   | 0.00         |            |                             |             | 487.50       | 3,500.00   | -3,012.50                   | 13.93%      | 487.50       | 3,500.00   | -3,012.50                   | 13.93%      |
| Total 4999 · GENERAL & ADMINISTRATIVE       | 0.00         |            |                             |             | 26,125.56    | 281,029.00 | -254,903.44                 | 9.3%        | 26,125.56    | 281,029.00 | -254,903.44                 | 9.3%        |
| 5299 · ADMIN LABOR                          | 0.00         |            |                             |             | 187,024.21   | 718,758.00 | -531,733.79                 | 26.02%      | 187,024.21   | 718,758.00 | -531,733.79                 | 26.02%      |



**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures (Unaudited)**  
 Budget vs. Actuals July 2024 - June 2025

|   | Fisheries        |                   |                          |               | Operations       |                     |                          |              | TOTAL            |                     |                          |               |
|---|------------------|-------------------|--------------------------|---------------|------------------|---------------------|--------------------------|--------------|------------------|---------------------|--------------------------|---------------|
|   | Jul - Aug 24     | Budget            | \$ Over / (Under) Budget | % of Budget   | Jul - Aug 24     | Budget              | \$ Over / (Under) Budget | % of Budget  | Jul - Aug 24     | Budget              | \$ Over / (Under) Budget | % of Budget   |
| <b>5400 · GENERAL &amp; ADMIN - FISHERIES</b>       |                  |                   |                          |               |                  |                     |                          |              |                  |                     |                          |               |
| 5407 · Legal - FD                                   | 840.00           | 25,000.00         | -24,160.00               | 3.36%         | 0.00             |                     |                          |              | 840.00           | 25,000.00           | -24,160.00               | 3.36%         |
| 5410 · Postage / Office Supplies                    | 347.00           | 4,000.00          | -3,653.00                | 8.68%         | 0.00             |                     |                          |              | 347.00           | 4,000.00            | -3,653.00                | 8.68%         |
| 5411 · Office Equipment / Leases                    | 647.24           | 8,533.00          | -7,885.76                | 7.59%         | 0.00             |                     |                          |              | 647.24           | 8,533.00            | -7,885.76                | 7.59%         |
| 5412 · Misc. Admin Expense                          | 706.20           | 7,500.00          | -6,793.80                | 9.42%         | 0.00             |                     |                          |              | 706.20           | 7,500.00            | -6,793.80                | 9.42%         |
| 5413 · Communications                               | 615.64           | 4,454.00          | -3,838.36                | 13.82%        | 0.00             |                     |                          |              | 615.64           | 4,454.00            | -3,838.36                | 13.82%        |
| 5414 · Utilities                                    | 1,492.35         | 5,243.00          | -3,750.65                | 28.46%        | 0.00             |                     |                          |              | 1,492.35         | 5,243.00            | -3,750.65                | 28.46%        |
| 5415 · Membership Dues                              | 92.40            | 7,200.00          | -7,107.60                | 1.28%         | 0.00             |                     |                          |              | 92.40            | 7,200.00            | -7,107.60                | 1.28%         |
| 5416 · Admin Fixed Assets                           | 69.92            | 5,000.00          | -4,930.08                | 1.4%          | 0.00             |                     |                          |              | 69.92            | 5,000.00            | -4,930.08                | 1.4%          |
| 5418 · Computer Consultant                          | 1,087.80         | 20,000.00         | -18,912.20               | 5.44%         | 0.00             |                     |                          |              | 1,087.80         | 20,000.00           | -18,912.20               | 5.44%         |
| 5425 · Employee Education/Subscription              | 0.00             | 2,500.00          | -2,500.00                | 0.0%          | 0.00             |                     |                          |              | 0.00             | 2,500.00            | -2,500.00                | 0.0%          |
| 5426 · Director Fees                                | 1,003.30         | 6,700.00          | -5,696.70                | 14.98%        | 0.00             |                     |                          |              | 1,003.30         | 6,700.00            | -5,696.70                | 14.98%        |
| 5427 · Director Mileage                             | 55.76            | 300.00            | -244.24                  | 18.59%        | 0.00             |                     |                          |              | 55.76            | 300.00              | -244.24                  | 18.59%        |
| 5430 · Travel                                       | 400.80           | 4,000.00          | -3,599.20                | 10.02%        | 0.00             |                     |                          |              | 400.80           | 4,000.00            | -3,599.20                | 10.02%        |
| 5431 · Public Information                           | 488.20           | 1,500.00          | -1,011.80                | 32.55%        | 0.00             |                     |                          |              | 488.20           | 1,500.00            | -1,011.80                | 32.55%        |
| 5441 · Audit  | 812.00           | 12,250.00         | -11,438.00               | 6.63%         | 0.00             |                     |                          |              | 812.00           | 12,250.00           | -11,438.00               | 6.63%         |
| 5443 · Liab & Property Ins                          | 5,947.40         | 26,500.00         | -20,552.60               | 22.44%        | 0.00             |                     |                          |              | 5,947.40         | 26,500.00           | -20,552.60               | 22.44%        |
| <b>Total 5400 · GENERAL &amp; ADMIN - FISHERIES</b> | <b>14,606.01</b> | <b>140,680.00</b> | <b>-126,073.99</b>       | <b>10.38%</b> | <b>0.00</b>      |                     |                          |              | <b>14,606.01</b> | <b>140,680.00</b>   | <b>-126,073.99</b>       | <b>10.38%</b> |
| <b>5499 · ADMIN LABOR-FISHERIES</b>                 | <b>84,165.81</b> | <b>322,898.00</b> | <b>-238,732.19</b>       | <b>26.07%</b> | <b>0.00</b>      |                     |                          |              | <b>84,165.81</b> | <b>322,898.00</b>   | <b>-238,732.19</b>       | <b>26.07%</b> |
| 5510 · Integrated Reg. Water Mgt Plan               | 0.00             |                   |                          |               | 0.00             | 5,000.00            | -5,000.00                | 0.0%         | 0.00             | 5,000.00            | -5,000.00                | 0.0%          |
| <b>6199 · SPECIAL PROJECTS</b>                      |                  |                   |                          |               |                  |                     |                          |              |                  |                     |                          |               |
| 6097 · GIS and Mapping                              | 0.00             |                   |                          |               | 0.00             | 10,000.00           | -10,000.00               | 0.0%         | 0.00             | 10,000.00           | -10,000.00               | 0.0%          |
| 6105 · ROW Management Program                       | 0.00             |                   |                          |               | 0.00             | 20,000.00           | -20,000.00               | 0.0%         | 0.00             | 20,000.00           | -20,000.00               | 0.0%          |
| 6110 · SCADA Improvements & Support                 | 0.00             |                   |                          |               | 0.00             | 35,000.00           | -35,000.00               | 0.0%         | 0.00             | 35,000.00           | -35,000.00               | 0.0%          |
| 6115 · COMB Blding Improvemnts & Maint              | 0.00             |                   |                          |               | 2,258.01         | 80,000.00           | -77,741.99               | 2.82%        | 2,258.01         | 80,000.00           | -77,741.99               | 2.82%         |
| 6126 · 2024 Winter Storm Repairs                    | 0.00             |                   |                          |               | 12,087.25        | 150,000.00          | -137,912.75              | 8.06%        | 12,087.25        | 150,000.00          | -137,912.75              | 8.06%         |
| 6138 · Water Quality & Sediment Mgmt                | 0.00             |                   |                          |               | 6,216.83         | 40,000.00           | -33,783.17               | 15.54%       | 6,216.83         | 40,000.00           | -33,783.17               | 15.54%        |
| <b>Total 6199 · SPECIAL PROJECTS</b>                | <b>0.00</b>      |                   |                          |               | <b>20,562.09</b> | <b>335,000.00</b>   | <b>-314,437.91</b>       | <b>6.14%</b> | <b>20,562.09</b> | <b>335,000.00</b>   | <b>-314,437.91</b>       | <b>6.14%</b>  |
| <b>6000 · INFRASTRUCTURE IMPROVEMENT PROJ</b>       |                  |                   |                          |               |                  |                     |                          |              |                  |                     |                          |               |
| 6075 · Multi-Site Renwble Energy Resil              | 0.00             |                   |                          |               | 0.00             | 50,000.00           | -50,000.00               | 0.0%         | 0.00             | 50,000.00           | -50,000.00               | 0.0%          |
| 6074 · North Portal Log Boom Replcmnt               | 0.00             |                   |                          |               | 0.00             | 135,000.00          | -135,000.00              | 0.0%         | 0.00             | 135,000.00          | -135,000.00              | 0.0%          |
| 6045 · Critical Control Valve Replcmnt              | 0.00             |                   |                          |               | 0.00             | 75,000.00           | -75,000.00               | 0.0%         | 0.00             | 75,000.00           | -75,000.00               | 0.0%          |
| 6043 · Lauro Res Intake Design& Repair              | 0.00             |                   |                          |               | 0.00             | 50,000.00           | -50,000.00               | 0.0%         | 0.00             | 50,000.00           | -50,000.00               | 0.0%          |
| 6096 · Lower Reach BlowOff AVAR Valve               | 0.00             |                   |                          |               | 0.00             | 90,000.00           | -90,000.00               | 0.0%         | 0.00             | 90,000.00           | -90,000.00               | 0.0%          |
| 6102 · Lauro Bypass Channel Road Imprv              | 0.00             |                   |                          |               | 6,389.00         | 1,320,000.00        | -1,313,611.00            | 0.48%        | 6,389.00         | 1,320,000.00        | -1,313,611.00            | 0.48%         |
| 6107 · North Portal Elevator Mod                    | 0.00             |                   |                          |               | 0.00             | 100,000.00          | -100,000.00              | 0.0%         | 0.00             | 100,000.00          | -100,000.00              | 0.0%          |
| 6123 · Sheffield Tunnel Insp/Eval SCC               | 0.00             |                   |                          |               | 0.00             | 75,000.00           | -75,000.00               | 0.0%         | 0.00             | 75,000.00           | -75,000.00               | 0.0%          |
| 6128 · Lauro Outlet Wrks Tunnel Safety              | 0.00             |                   |                          |               | 4,393.50         | 100,000.00          | -95,606.50               | 4.39%        | 4,393.50         | 100,000.00          | -95,606.50               | 4.39%         |
| 6134 · N.P. IT/Control Bldg Seismic                 | 0.00             |                   |                          |               | 0.00             | 100,000.00          | -100,000.00              | 0.0%         | 0.00             | 100,000.00          | -100,000.00              | 0.0%          |
| 6137 · Rehab SCC Lateral Structures                 | 0.00             |                   |                          |               | 0.00             | 305,000.00          | -305,000.00              | 0.0%         | 0.00             | 305,000.00          | -305,000.00              | 0.0%          |
| <b>Total 6000 · INFRASTRUCTURE IMPROVEMENT PROJ</b> | <b>0.00</b>      |                   |                          |               | <b>10,782.50</b> | <b>2,400,000.00</b> | <b>-2,389,217.50</b>     | <b>0.45%</b> | <b>10,782.50</b> | <b>2,400,000.00</b> | <b>-2,389,217.50</b>     | <b>0.45%</b>  |

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures (Unaudited)**  
 Budget vs. Actuals July 2024 - June 2025

|  | Fisheries            |                        |                             |               | Operations           |                        |                             |               | TOTAL                |                        |                             |               |
|--|----------------------|------------------------|-----------------------------|---------------|----------------------|------------------------|-----------------------------|---------------|----------------------|------------------------|-----------------------------|---------------|
|  | Jul - Aug 24         | Budget                 | \$ Over / (Under)<br>Budget | % of Budget   | Jul - Aug 24         | Budget                 | \$ Over / (Under)<br>Budget | % of Budget   | Jul - Aug 24         | Budget                 | \$ Over / (Under)<br>Budget | % of Budget   |
| <b>6200 · PROGRAM SUPPORT SERVICES</b>           |                      |                        |                             |               |                      |                        |                             |               |                      |                        |                             |               |
| 6201 · BO/FMP Implementation                     | 0.00                 | 42,000.00              | -42,000.00                  | 0.0%          | 0.00                 |                        |                             |               | 0.00                 | 42,000.00              | -42,000.00                  | 0.0%          |
| 6202 · GIS and Mapping                           | 0.00                 | 10,000.00              | -10,000.00                  | 0.0%          | 0.00                 |                        |                             |               | 0.00                 | 10,000.00              | -10,000.00                  | 0.0%          |
| 6205 · USGS Stream Gauge Program                 | 0.00                 | 110,000.00             | -110,000.00                 | 0.0%          | 0.00                 |                        |                             |               | 0.00                 | 110,000.00             | -110,000.00                 | 0.0%          |
| <b>Total 6200 · PROGRAM SUPPORT SERVICES</b>     | <b>0.00</b>          | <b>162,000.00</b>      | <b>-162,000.00</b>          | <b>0.0%</b>   | <b>0.00</b>          |                        |                             |               | <b>0.00</b>          | <b>162,000.00</b>      | <b>-162,000.00</b>          | <b>0.0%</b>   |
| <b>6300 · HABITAT IMPROVEMENT PROJECTS</b>       |                      |                        |                             |               |                      |                        |                             |               |                      |                        |                             |               |
| 6207 · Oak Tree Restoration Program              | 0.00                 | 10,000.00              | -10,000.00                  | 0.0%          | 0.00                 |                        |                             |               | 0.00                 | 10,000.00              | -10,000.00                  | 0.0%          |
| 6303 · Tributary Projects Support                | 0.00                 | 10,000.00              | -10,000.00                  | 0.0%          | 0.00                 |                        |                             |               | 0.00                 | 10,000.00              | -10,000.00                  | 0.0%          |
| 6304 · Tributary Projects Improvements           | 0.00                 | 305,000.00             | -305,000.00                 | 0.0%          | 0.00                 |                        |                             |               | 0.00                 | 305,000.00             | -305,000.00                 | 0.0%          |
| <b>Total 6300 · HABITAT IMPROVEMENT PROJECTS</b> | <b>0.00</b>          | <b>325,000.00</b>      | <b>-325,000.00</b>          | <b>0.0%</b>   | <b>0.00</b>          |                        |                             |               | <b>0.00</b>          | <b>325,000.00</b>      | <b>-325,000.00</b>          | <b>0.0%</b>   |
| <b>Total Expense</b>                             | <b>\$ 299,614.16</b> | <b>\$ 1,909,008.00</b> | <b>\$ (1,609,393.84)</b>    | <b>15.7%</b>  | <b>\$ 556,793.21</b> | <b>\$ 5,674,900.00</b> | <b>\$ (5,118,106.79)</b>    | <b>9.81%</b>  | <b>\$ 856,407.37</b> | <b>\$ 7,583,908.00</b> | <b>\$ (6,727,500.63)</b>    | <b>11.29%</b> |
| <b>Net Surplus / Deficit</b>                     | <b>\$ 277,575.84</b> | <b>\$ -</b>            | <b>\$ 277,575.84</b>        | <b>100.0%</b> | <b>\$ 693,415.79</b> | <b>\$ -</b>            | <b>\$ 693,415.79</b>        | <b>100.0%</b> | <b>\$ 970,991.63</b> | <b>\$ -</b>            | <b>\$ 970,991.63</b>        | <b>100.0%</b> |

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

|               |                    |
|---------------|--------------------|
| Date:         | September 23, 2024 |
| Submitted by: | Janet Gingras      |

---

**SUBJECT:**     **Investment Report – August 31, 2024**

---

### **RECOMMENDATION**

The Board of Directors receive and file the Cachuma Operation & Maintenance Board Investment Report as of August 31, 2024.

### **DISCUSSION**

Cash and investment programs are maintained in accordance with California Government Code Section 53600 et seq. and COMB's adopted investment policy. These policies ensure proper control and safeguards are maintained throughout the financial transaction process. Pursuant to State law, the COMB Board adopts a detailed investment policy through a Board resolution on an annual basis.

Reports on COMB's investment portfolio and cash position are developed and presented to the COMB Board on a monthly basis, in conformity with the California Government Code.

#### **Unrestricted Cash**

Unrestricted cash exceeding current operating needs is invested in LAIF to generate interest income. The average effective yield rate, as of August 2024, is reported at 4.58%.

See Table 1 below for a summary of balances held in unrestricted accounts.

| Table 1                             |           |    |              |
|-------------------------------------|-----------|----|--------------|
| Unrestricted Reserve Funds          |           |    |              |
| Local Agency Investment Fund (LAIF) |           |    |              |
|                                     | 7/31/2024 | \$ | 2,572,083.66 |
| (+ ) Deposits/Credits               |           |    | -            |
| (- ) Checks/Withdrawals             |           |    | (345,000.00) |
| Statement Balance                   | 8/31/2024 | \$ | 2,227,083.66 |

#### **Restricted Cash**


The Cachuma Project Warren Act Trust Fund (Trust Fund) and Cachuma Project Master Contract Renewal Fund (Renewal Fund) are two separate funds that have been established through contracts with the U.S. Bureau of Reclamation (Reclamation). The Trust Fund and the Renewal Fund require annual and five-year plans which are used to inform the Funds Committee in making decisions on expenditures for betterment of the Cachuma Project.

See Table 2 below for a summary of balances held in restricted accounts.

| Table 2                  |           |    |            |
|--------------------------|-----------|----|------------|
| Restricted Reserve Funds |           |    |            |
| American Riviera Bank    |           |    |            |
| Renewal Account          |           |    |            |
| Previous Balance         | 7/31/2024 | \$ | 126,162.26 |
| (+) Deposits/Credits     |           |    | -          |
| (-) Checks/Withdrawals   |           |    | -          |
| Statement Balance        | 8/31/2024 | \$ | 126,162.26 |
| American Riviera Bank    |           |    |            |
| Warren Act Trust Fund    |           |    |            |
| Previous Balance         | 7/31/2024 | \$ | 71,561.28  |
| (+) Deposits/Credits     |           |    | -          |
| (-) Checks/Withdrawals   |           |    | -          |
| Statement Balance        | 8/31/2024 | \$ | 71,561.28  |

**STATEMENT**

The above statement of investment activity for the month of August 2024, complies with legal requirements for investment policy of government agencies, AB 1073. I hereby certify that it constitutes a complete and accurate summary of all American Riviera Bank and LAIF investments of this agency for the period indicated.

  
 \_\_\_\_\_  
 Secretary

**Cachuma Operation & Maintenance Board**  
**Paid Claims**  
**As of August 31, 2024**

| Date                       | Num   | Name                                     | Memo  | Amount     |
|----------------------------|-------|--|---|------------|
| <b>1050 - General Fund</b> |       |  |   |            |
| 08/06/2024                 | 31277 | Association of Ca Water Agencies/JPIA    | September 2024 Health Benefits Premium                                | -35,761.74 |
| 08/06/2024                 | 31278 | AT&T                                     | Long Distance Service July 2024                                       | -40.83     |
| 08/06/2024                 | 31279 | CA Surveying & Drafting Supply Inc.      | Repairs to Trimble Geo7X GPS Device (Fisheries)                       | -3,145.00  |
| 08/06/2024                 | 31280 | City of Santa-Barbara                    | Trash & Recycling July 2024   | -381.78    |
| 08/06/2024                 | 31281 | Cori Hayman                              | Director Meeting Fees July 2024                                       | -436.30    |
| 08/06/2024                 | 31282 | Cox Communications Santa Barbara         | Business Internet August 2024   | -195.44    |
| 08/06/2024                 | 31283 | Dig Safe Board                           | Annual Regulatory Fee (Ops)   | -750.98    |
| 08/06/2024                 | 31284 | ECHO Communications                      | Message Service August 2024   | -97.00     |
| 08/06/2024                 | 31285 | Frontier Communications                  | Phone Service - Main Office Land Lines                                | -131.79    |
| 08/06/2024                 | 31286 | Frontier Communications                  | Phone Service - North Portal  | -67.54     |
| 08/06/2024                 | 31287 | Harrison Hardware                        | Supplies (Fisheries)  | -10.98     |
| 08/06/2024                 | 31288 | Hayward Santa Barbara                    | Supplies - Misc. Tools (Ops)  | -398.70    |
| 08/06/2024                 | 31289 | Home Depot Credit Services               | Supplies - Misc. Tools, PPE (Ops & Fisheries)                         | -1,333.66  |
| 08/06/2024                 | 31290 | J&C Services                             | Office Cleaning Service - Weekly                                      | -960.00    |
| 08/06/2024                 | 31291 | Kristen Sneddon                          | Director Meeting Fees July 2024                                       | -420.61    |
| 08/06/2024                 | 31292 | Lauren W. Hanson                         | Director Meeting Fees July 2024                                       | -422.90    |
| 08/06/2024                 | 31293 | Paychex, Inc. (Payroll)                  | Payroll & Payroll Tax Services 7/25, 7/19 & 8/2                       | -393.90    |
| 08/06/2024                 | 31294 | Polly Holcombe                           | Director Meeting Fees July 2024                                       | -447.41    |
| 08/06/2024                 | 31295 | SB Home Improvement Center               | Supplies - Misc. Tools (Ops)  | -505.97    |
| 08/06/2024                 | 31296 | Southern California Edison               | Electricity - Main Office & Outlying Stations                         | -1,615.51  |
| 08/06/2024                 | 31297 | Sparkletts                               | Bottled Water - Operations Safety                                     | -125.75    |
| 08/06/2024                 | 31298 | Underground Service Alert of So. Calif.  | Ticket Charges & Database Fee   | -306.00    |
| 08/06/2024                 | 31299 | Wells Fargo Vendor Fin Serv              | Copier Lease - Kyocera Taskalfa 6054ci                                | -303.41    |
| 08/06/2024                 | 31300 | WEX Fleet Universal                      | Fleet Fuel (Ops & Fisheries)  | -2,944.79  |
| 08/06/2024                 | 31301 | Zac Gonzalez Landscaping & Tree Care     | Landscape Maintenance July 2024                                       | -479.88    |
| 08/12/2024                 | 31302 | Coastal Copy, Inc.                       | Copier Maintenance - Kyocera Taskalfas 3253ci & 6054ci                | -151.46    |
| 08/12/2024                 | 31303 | County of SB-Public Works Water Agency   | IRWM Program MOU Cost Share 01/01/24 - 06/30/24                       | -918.07    |
| 08/12/2024                 | 31304 | Impulse Advanced Communications          | Phone Service - Main Office   | -742.41    |
| 08/12/2024                 | 31305 | O'Connor Pest Control                    | Exterminator Services   | -187.25    |
| 08/12/2024                 | 31306 | Storrer Environmental Services           | Biological Consulting Services for El Jaro Creek (Fisheries)          | -1,602.62  |
| 08/12/2024                 | 31307 | Turenchalk Network Services, Inc.        | Network Support (Ops & Fisheries)                                     | -3,108.00  |
| 08/12/2024                 | 31308 | Verizon Wireless                         | Cell Phones & iPads (Ops)   | -386.52    |
| 08/12/2024                 | 31309 | Verizon Wireless                         | Cellular Service - Wireless Modems (Ops)                              | -304.21    |
| 08/19/2024                 | 31310 | ACWA/Joint Powers Insurance Authority    | Cyber Liability 7/1/24-06/30/25                                       | -2,419.12  |
| 08/19/2024                 | 31311 | Coastline Equipment                      | Repair to Backhoe Mower Attachment (Ops)                              | -348.75    |
| 08/19/2024                 | 31312 | County of Santa--Barbara                 | Waste Disposal Fee (Ops)  | -1,590.91  |
| 08/19/2024                 | 31313 | Federal Express                          | Shipping - Water Samples (Ops)  | -158.20    |
| 08/19/2024                 | 31314 | H&E Equipment Services, Inc.             | Equipment Rental for Backhoe Carport Installation (Ops)               | -1,687.09  |
| 08/19/2024                 | 31315 | LoopUp, LLC                              | Conference Calls July 2024  | -26.62     |
| 08/19/2024                 | 31316 | Marborg Industries                       | Portable Facilities - Outlying Stations                               | -423.96    |
| 08/19/2024                 | 31317 | Measurement Solutions Systems & Services | Quarterly Calibration of Equipment                                    | -2,398.00  |
| 08/19/2024                 | 31318 | Milpas Rental                            | Gravel Delivery (Ops)   | -1,453.00  |
| 08/19/2024                 | 31319 | Van Sande Structural Consultants, Inc.   | Lauro Dam Outlet Access House - Engineering Services (Ops)            | -4,393.50  |
| 08/26/2024                 | 31320 | American Riviera Bank - Card Service     | Office Supplies, Film Scanner, SHRM Membership Dues (Ops & Fisheries) | -1,793.18  |
| 08/26/2024                 | 31321 | Cushman Contracting Corp.                | EPFP Pumping System - Pay Req 124                                     | -3,500.00  |
| 08/26/2024                 | 31322 | Eurofins Eaton Analytical, LLC           | Cachuma Lake Water Quality Analysis (Ops & Fisheries)                 | -1,300.00  |
| 08/26/2024                 | 31323 | GM Auto & Smog Inc.                      | Smog Checks (Ops & Fisheries)   | -116.00    |
| 08/26/2024                 | 31324 | Musick, Peeler & Garrett LLP             | General Counsel July 2024 (Ops & Fisheries)                           | -2,555.00  |
| 08/26/2024                 | 31325 | PG&E                                     | Electricity - Tecolote Tunnel   | -24.64     |
| 08/26/2024                 | 31326 | PG&E                                     | Electricity - North Portal  | -400.86    |
| 08/26/2024                 | 31327 | Quill Corporation                        | Office Supplies (Ops & Fisheries)                                     | -112.01    |

**Cachuma Operation & Maintenance Board**  
**Paid Claims**  
**As of August 31, 2024**

| Date                      | Num   | Name                             | Memo                                   | Amount                   |
|---------------------------|-------|----------------------------------|--|--------------------------|
| 08/26/2024                | 31328 | Rayne of Santa Barbara Inc       | August RO Rental                       | -35.00                   |
| 08/26/2024                | 31329 | Total Compensation Systems, Inc. | OEPB GASB 75 Valuation                 | -1,620.00                |
| 08/26/2024                | 31330 | Wells Fargo Vendor Fin Serv      | Copier Lease - Kyocera Taskalfa 3253ci | -123.98                  |
| Total 1050 · General Fund |       |                                  |  | <u>-85,558.23</u>        |
| <b>TOTAL</b>              |       |                                  |  | <b><u>-85,558.23</u></b> |

APPROVALS

---



---



---

# CACHUMA OPERATION & MAINTENANCE BOARD

## Fisheries Committee Meeting Thursday, September 12, 2024 11:00 AM

---

### AGENDA

*Chair:* Director Hanson  
*Member:* Director Hayman

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter on the agenda and within the Committee's jurisdiction*)
3. Fish Passage and Habitat Enhancement Project – El Jaro Creek , Rancho San Julian (*for information and possible recommendation*)
4. Adjournment

#### NOTICE TO THE PUBLIC

**Public Comment:** The public is welcome to attend and observe the meeting via remote access. A public comment period will be included at the meeting where any member of the public may address the Committee on any subject within the Committee's jurisdiction. The total time for this item will be limited by the Chair.

**Americans with Disabilities Act:** In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact Cachuma Operation & Maintenance Board (COMB) at 805 / 687-4011 at least 48 hours prior to the meeting to enable staff to make reasonable arrangements.

[This Agenda was posted at COMB offices, 3301 Laurel Canyon Road, Santa Barbara, CA and Noticed and Delivered in Accordance with Section 54954.1 and .2 of the Government Code.]

**THIS PAGE INTENTIONALLY LEFT BLANK**



# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

|               |                    |
|---------------|--------------------|
| Date:         | September 23, 2024 |
| Submitted by: | Tim Robinson       |
| Approved by:  | Janet Gingras      |

---

**SUBJECT:** Fish Passage and Habitat Enhancement Project – El Jaro Creek, Rancho San Julian

---

**RECOMMENDATION:**

The Board of Directors review information related to the El Jaro Creek, Rancho San Julian (ELC-RSJ) Fish Passage and Habitat Enhancement Project and provide direction to staff, including:

- 1) Approving a change order to the contract with Peter Lapidus Construction, Inc. (PLC) in the amount of \$50,000 for the installation of additional rock slope protection.
- 2) Approving a budget adjustment from account #6043 (Lauro Res Intake Design) to account # 6304 (Tributary Projects Improvements) in the amount of \$50,000.
- 3) Items 1 and 2 are contingent upon a completed Right of Entry Agreement.

**BACKGROUND:**

In June 2024, the Board of Directors approved a contract with Peter Lapidus Construction, Inc. (PLC) to construct the fish passage and habitat enhancement projects at Quiota Creek (QC) and El Jaro Creek. The contract was executed in an amount not-to-exceed \$298,000 with funds being provided by the Warren Act Trust Fund/Renewal Fund (WATF/RF) accounts. The original project was constructed in 2008 to provide a fishway passage for endangered steelhead which are public trust resources. Staff performs routine snorkel surveys on El Jaro Creek per the BiOp and maintains the fishway infrastructure specifically after large stormflow events.

**SUMMARY:**

Above the El Jaro Creek RSJ project site, there exists a road drain with a collector box and associated culvert drainage system. The box culvert drainage system is adjacent to the ranch entrance bridge and empties into the creek during storm events. The culvert drainage system has become undermined due to bank erosion on the western side of the creek caused by the shifting of the creek. The creek has shifted due to the developed sand bar in front of the fishway and the willows that have grown adjacent to the fishway. The concern is that the culvert drainage system may fail and cause damage to the existing bridge or the creek continues to advance and flank the bridge and fishway.

The solution to stabilize the eroded slope would be to install additional rock slope protection (RSP) further up the embankment to shore up the slope and eliminate impacting the bridge and fishway. The contractor (PLC) provided a quote to fix the erosion issue for an amount not-to-exceed \$65,000 (\$55,000 for the RSP and culvert and \$10,000 for concrete if needed). Staff has had extensive conversation with the landowner representing that COMB has limited funds to enhance this project and that they would need to contribute financially for the extra work. The landowner discussed this matter with their Board of Directors and indicates they will contribute \$15,000 to address the box culvert drainage issue. The landowner will contract separately with the contractor for this repair.

If the additional work is approved by the Board, COMB will issue a contract change order to PLC for \$50,000. The Fisheries Division budget does not contain sufficient funding to support the additional work. Staff is proposing a budget adjustment from account #6043 (Lauro Res Intake Design) to account #6304 (Tributary Projects Improvements) in the amount of \$50,000. No new funds are being requested.

**ENVIRONMENTAL COMPLIANCE:**

All permits for the El Jaro Creek Fish Passage and Habitat Enhancement Project have been obtained. Any required environmental surveys will be conducted just prior to construction as stipulated in the project permits.

**COMMITTEE STATUS:**

The Fisheries Committee reviewed information related to the El Jaro Creek, Rancho San Julian (ELC-RSJ) Fish Passage and Habitat Enhancement Project and forwards to the Board with a recommendation for staff to issue a change order to PLC in the amount of \$50,000 and complete the corresponding budget adjustment as indicated in the Board recommendation contingent upon a completed Right of Way Agreement.

**LIST OF EXHIBITS:**

N/A



Mission Statement:

*“To provide a reliable source of water  
to our member agencies in an efficient and cost effective  
manner for the betterment of life in our communities.”*

September 23, 2024

**General Manager Report**

The following summary provides the Board with information and an overview of progress on current COMB activities.

Administration

- **Cachuma Project Water Rates Administration**

The Cachuma Project Water Rate schedules for Water Year (WY) 2025 have been received from Reclamation. The water rates are calculated based on projected reimbursable annual operation and maintenance (O&M) costs and divided by projected water deliveries for the year. Each year, the annual O&M costs for the Cachuma Project are estimated by the Fresno Area Office and provided to the rate-setting branch within the Financial Management division of Reclamation (Sacramento). For WY 2025, Reclamation projected total O&M costs of \$1,979,000 and is compared to WY 2024 projected O&M costs of \$1,968,000. Water delivery projections are based on the delivery schedule that is supplied by the Member Agencies to the Santa Barbara County Water Agency and submitted to Reclamation.

The 2025 water rates reflect a net deficit adjustment of \$26,006 based on Water Year 2023 operating results. This adjustment is comprised of a deficit in regular O&M expenses of \$291,533. This amount is offset by a surplus in extraordinary O&M expenses of \$200,000 and a deficit repayment of \$65,521. For those Cachuma Project Members that elected to pay their fiscal year 2015-2017 deficits over time, their obligations are expected to be paid in-full during WY 2025.

U.S. Bureau of Reclamation

- **Value Planning Study Workshop**

Reclamation conducted the weeklong Value Planning Study as required by Term 24(a) of the Water Board Order. Term 24(a) requires Reclamation to study and evaluate options of providing steelhead passage of adults and smolts around Bradbury Dam. The value planning methodology (VPM) is a systematic approach to improve the value of products, processes, and services. It's also known as Value Engineering or Value Analysis. The VPM is used to balance cost, quality, performance, safety, and function to achieve the most value for a project.

The Value Planning Study workshop was hosted by Reclamations' Value Planning personnel (Sacramento) and included participants from agencies associated with the Cachuma Project and external fisheries regulatory agencies. Workshop activities included five phases: 1) Information, 2) Creative, 3) Evaluation, 4) Development, and 5) Presentation. COMB staff participated and offered valuable input and professional expertise on the elements for consideration in the value planning study session.

Respectfully Submitted,

*Janet Gingras*

General Manager

**THIS PAGE INTENTIONALLY LEFT BLANK**

# CACHUMA OPERATION AND MAINTENANCE BOARD

## MEMORANDUM

**DATE:** September 23, 2024

**TO:** Janet Gingras, General Manager

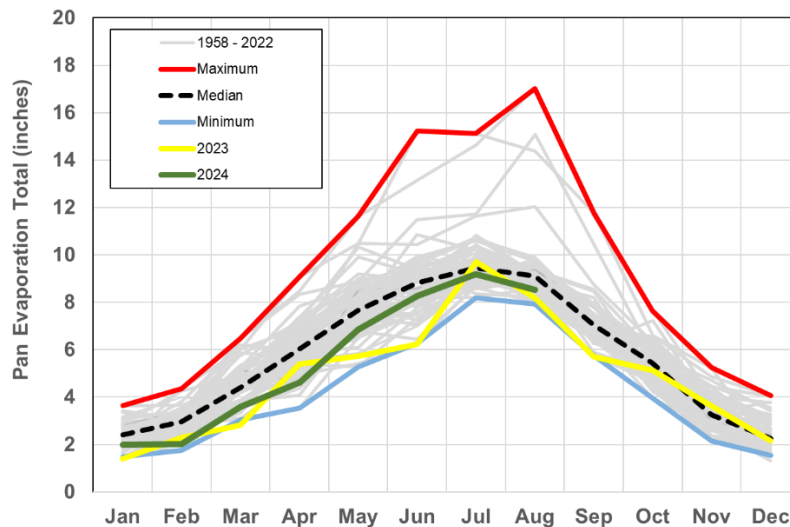
**FROM:** Joel Degner, Engineer/Operations Division Manager

**RE: MONTHLY ENGINEERING REPORT**

The following summary provides the Board with information and an overview of progress by engineering staff related to on-going studies and infrastructure improvement projects.

### CLIMATE CONDITIONS

The Water Year 2023-2024 rainfall totals are 143% of normal for the year for the County of Santa Barbara. As of 9/19/2024, 237,271 AF of inflow into the Cachuma Reservoir has occurred in Water Year 2024. According to the National Weather Service Climate Prediction Center - La Niña is favored to emerge in September-November (71% chance) and is expected to persist through January-March 2025. Current live fuel moistures levels are 63 percent the 60 percent critical moisture conditions defined by Santa Barbara County Fire. The pan evaporation rates measured at Bradbury Dam for 2024 continue to trend along the historical median rate. The high maximum rates (red line) occurred in 2014-2017 period and were likely related to wildlife usage of the pan water. Reclamation continues to utilize wildlife protection measures at the pan.

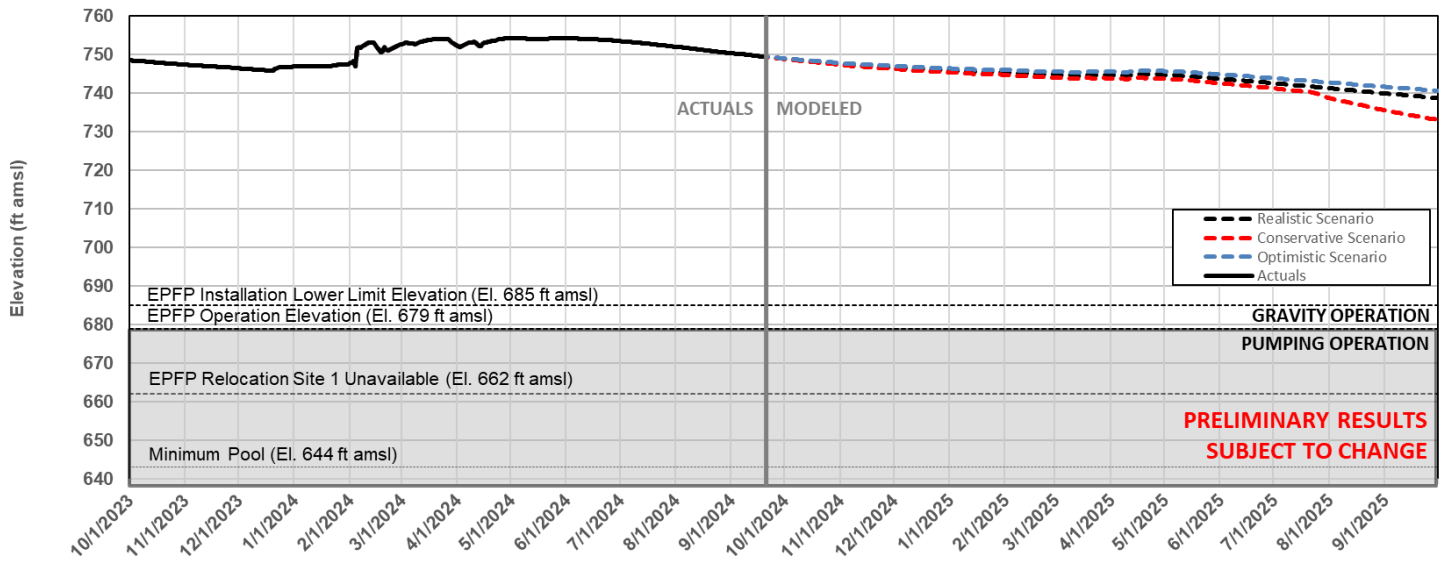


**Figure 1.** Bradbury Dam Monthly Pan Evaporation Rates

### LAKE ELEVATION

The lake elevation projection is provided in Figure 2 assuming dry hydrologic conditions in Water Year 2025. The water elevation is projected to remain above 730 through the fall of 2025 if a dry year occurs in Water Year 2025.

| Parameter               | Optimistic      | Realistic       | Conservative    |
|-------------------------|-----------------|-----------------|-----------------|
| SCC Export              | 80% Forecast    | Forecast        | 120% Forecast   |
| CCWA Inflow             | 120% Forecast   | Forecast        | 80% Forecast    |
| WR 89-19 Release (2024) | 0 AF            | 0 AF            | 0 AF            |
| WR 89-18 Release (2025) | 0 AF            | 0 AF            | 11,600 AF       |
| Fish Release            | 100% Rec Tables | 110% Rec Tables | 120% Rec Tables |



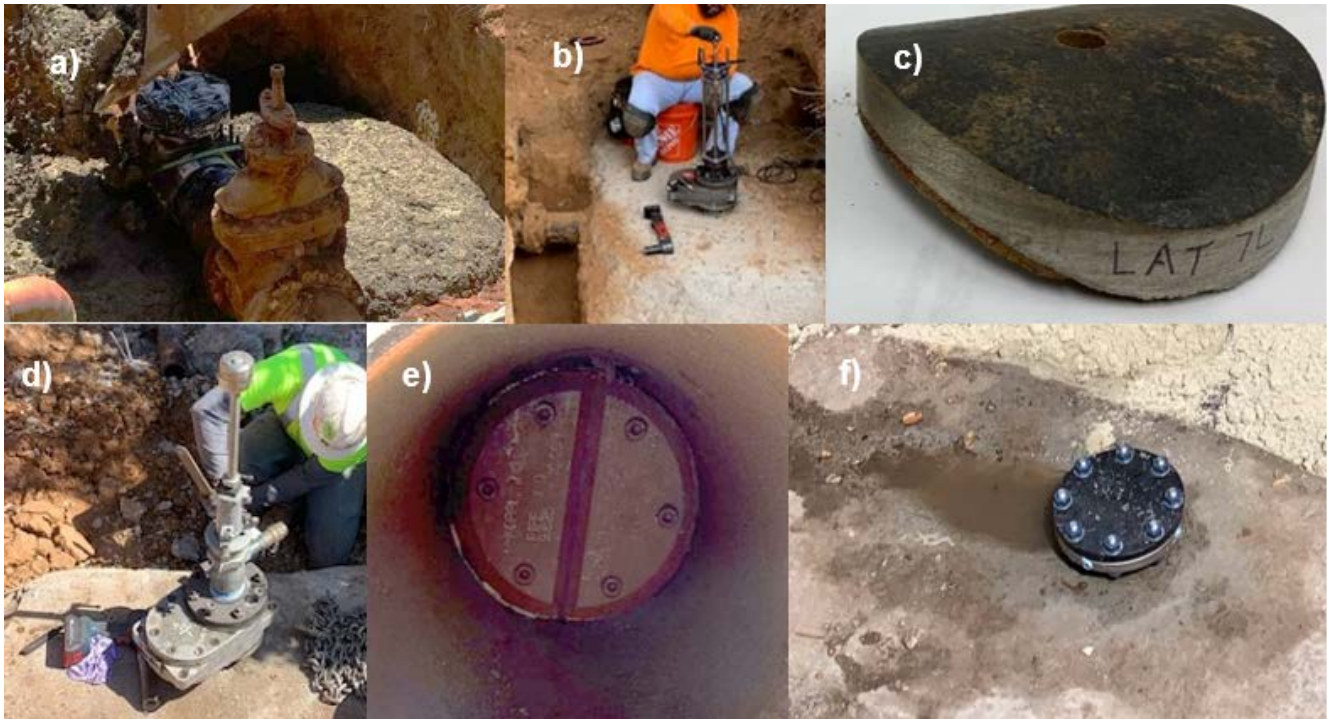
**Figure 2.** Lake Cachuma Elevation assuming dry conditions in Water Year 2025 (as of 9/19/2024)

**LAKE WATER QUALITY UPDATE**

The water in Lake Cachuma continues to have low concentrations of total organic carbon with the drafting water being measured at around 3 mg/L through the summer of 2024. The total organic carbon concentration had doubled following the Zaca Fire in 2007 to 6 mg/L and continued to remain elevated for the following 15 years until the high amount of inflow in 2023 exchanged the water in the lake several times. The treatment plants are measuring below 3 mg/L total organic carbon for their influent water as the additional water from tunnel intrusion between the lake and the plants is very low in total organic carbon. Low levels of organic carbon in the source water helps reduce the formation of disinfection byproducts during the treatment process.

**CARPINTERIA LATERAL ISOLATION VALVE REHABILITATION PROJECT**

Work continues at a steady pace on the Carpinteria Lateral Isolation Valve project with 10 of the 12 laterals completed in Phase 2. Phase 2 work began in July 2024 and will likely be completed in early October. Four additional laterals are planned in Phase 3, which will result in a total of 24 lateral rehabilitations (all the original 1950s laterals in Carpinteria). For each lateral Koppl and Tierra Contracting have been temporarily installing a line stop which involves bolting a stainless-steel tapping saddle to the pipeline, air testing the saddle, and pouring a concrete thrust block around the saddle. During the linstop procedure Koppl cuts out a coupon from pipe with a special machine while the line is under pressure and then inserts a line stop which seals the line. Most of the line stops have had a 100% shutdown with zero leak by. Each of the coupon samples of the lateral piping has been in excellent condition. Lateral piping off the South Coast Conduit was installed in the Carpinteria area with extra heavy (Class 250) cast iron pipe with a coal tar enamel outer coating and a mortar-lining on the inside. Based on the coupon sampling thus far on each lateral, these coatings have survived very well and protected the metal over the 70 years to date. The meters and valves that are being removed are in a much poorer condition and most of the valves and meters are no longer operable. Utilizing the linstops allows the work to be done with minimal nuisance or leaky water and allows the complete removal of the old, corroded valves and meters without shutting down the South Coast Conduit. Following the installation of the new valves and piping, the line stop is carefully removed, and the tapping outlet is closed with a completion plug and a blind flange (Figure 3).



**Figure 3.** Lateral line stop procedure involves installing a (a) stainless steel tapping saddle, air testing, and encasing the saddle in concrete; (b,c) installing a knife gate valve and coring out a coupon; (d,e) setting the line stop in the line; (f) equalizing the pressure in the pipe, removing the line stop, installing the completion plug, removing the knife gate valve, and installing a blind flange. This procedure allows the rehabilitation work to be performed without a South Coast Conduit shutdown.

**WINTER STORM 2023 AND 2024 DAMAGE REPAIRS AND REIMBURSEMENT**

COMB staff continues to weekly meet with FEMA regarding 2023 damages. All projects from DR-4683 have been submitted by the FEMA program manager for further review and funding. All repair work and mitigation work for damages has been completed. One project is pending obligation and once that is completed COMB can request administrative costs for the DR-4683 Project.

**Table 1. 2023 Winter Storm Damage Summary Table**

| Site   | Cat | Location  | Work Type     | Estimated Cost    | % Complete  | Estimated Reimbursible | Received as 8/22/24 | FEMA Status                                   |
|--|-----|---|---------------|-------------------|-------------|------------------------|---------------------|---|
| <i>Fiscal Year 2022-23</i>                     |     |   |               |                   |             |                        |                     |   |
| County-wide Debris Removal                     | A   | North Portal Log Boom                           | Contract      | \$ 6,422          | 100%        | \$44,251               | \$44,251            | Funded  |
|  |     | Sheffield Access Road                           | Contract      | \$ 12,750         | 100%        |                        |                     |   |
|  |     | South Portal/Glen Anne Road                     | Force Account | \$ 25,079         | 100%        |                        |                     |   |
| <i>Fiscal Year 2023-24</i>                     |     |   |               |                   |             |                        |                     |   |
| Lauro Reservoir Stilling Well Debris Removal   | A   | Lauro Stilling Well                             | Contract      | \$ 55,697         | 100%        | \$0                    | \$0                 | FEMA denied application.                      |
| Sediment Removal From Water Control Facilities | D   | Lauro Main Debris Basin                         | Contract      | \$ 303,068        | 100%        | \$284,127              | \$284,127           | Funded  |
|  |     | San Roque Debris Basin                          | Contract      |                   | 100%        |                        |                     |   |
|  |     | Carpinteria Toe Drain                           | Contract      |                   | 100%        |                        |                     |   |
| County-Wide Road Repairs                       | C   | Sycamore Canyon Rock Slope Protection Repair    | Contract      | \$ 17,600         | 100%        | \$0                    | \$0                 | Removed - Maintenance                         |
|  |     | Lauro Reservoir Bypass Channel Emergency Repair | Contract      | \$ 216,465        | 100%        | \$202,936              | \$0                 | Applicant signed project (pending obligation) |
| Blowoff Repairs                                | G   | Montecito Blowoff Repair                        | Force Account | \$ 4,290          | 100%        | \$4,022                | \$0                 | Obligated                                     |
|  |     | Toro Canyon Blowoff Repair                      | Contract      | \$ 70,354         | 100%        | \$65,957               | \$0                 |   |
| Administration                                 | Z   | COMB Administrative Costs                       | Force Account | \$ 17,365         | 95%         | \$16,280               | \$0                 | Pending Formulation                           |
| <b>Total</b>                                   |     |   |               | <b>\$ 729,091</b> | <b>100%</b> | <b>\$ 617,572</b>      | <b>\$328,378</b>    | <b>Completion</b>                             |

A federal disaster was declared in California for the January 31 to February 9th, 2024 storms (DR-4769). COMB repaired some damages immediately following the storms. Additional debris was deposited during the storms into the debris basins around Lauro Reservoir. Debris removal from the debris basins typically occurs in late summer or early fall to allow sediments to optimally dewater for more efficient removal. COMB requested public assistance funding for the damage that occurred in 2024. COMB conducted the exploratory call (6/4) and recovery scoping



meeting (6/18) in June 2024 and a site visit with FEMA inspectors on July 31, 2024. COMB provided a notice to proceed on the sediment removal from Lauro Debris Basin on 9/18/24. The two slide repairs will likely require Reclamation environmental review. COMB has provided project descriptions to Reclamation to initiate the environmental reviews. Temporary protection measures on the slides will need to be installed before the rainy season and the repairs will likely occur in spring 2025.

**Table 2. 2024 Winter Storm Damage Summary Table**

| Site   | Cat | Location                                       | Work Type     | Estimated Cost    | % Complete | Estimated Reimbursible | Received as 8/22/24 | FEMA Status                         |
|--|-----|--|---------------|-------------------|------------|------------------------|---------------------|-------------------------------------|
| COMB Access Road Debris Removal                | A   | South Portal/Glen Anne Turnout/Sheffield/Lauro | Force Account | \$ 26,000         | 100%       | \$26,000               | \$0                 | Pending Application Completion      |
| Boy Scout Debris Basin Erosion Repairs         | D   | Lauro Reservoir                                | Force Account | \$ 7,000          | 100%       | \$6,563                | \$0                 | Pending Initial Project Development |
| Lauro Debris Basin Sediment Removal            | D   | Lauro Reservoir                                | Contract      | \$ 184,400        | 0%         | \$172,875              | \$0                 | Pending Applicant DDD Approval      |
| Lauro Reservoir Inflow Structure Slide Repairs | D   | Lauro Reservoir                                | Contract      | \$ 240,000        | 0%         | \$225,000              | \$0                 | Pending PDMG Scope & Cost Routing   |
| Glen Anne Turnout Road Slump                   | C   | Glen Anne Turnout                              | Contract      | \$ 200,000        | 0%         | \$187,500              | \$0                 | Pending PDMG Scope & Cost Routing   |
| <b>Total</b>                                   |     |  |               | <b>\$ 657,400</b> | <b>62%</b> | <b>\$ 617,938</b>      | <b>\$0</b>          |                                     |

COMB also submitted a subapplication to CalOES for 404 hazard mitigation grant program for unimproved sections of the Lauro Reservoir Bypass Channel/Road. The 404 program provides funding to protect undamaged parts of a facility or to prevent or reduce damage caused by future disasters. COMB received notification from CalOES that they have reviewed the subapplication and submitted it to FEMA for review and funding consideration. The subapplication is still under review by FEMA. COMB provided Reclamation with a project description to perform the NEPA analysis on the project and engineers are in the process of completing the final design.

**INFRASTRUCTURE IMPROVEMENT PROJECTS**

Table 3 provides the status of Fiscal Year 2024-25 infrastructure improvement and special projects.



**Table 3. Fiscal Year 2024-25 Infrastructure Improvement Projects**

| Infrastructure Improvement Projects                 | Status / Phase   | Complexity / Challenges  | Estimated Completion Date   |
|---|--|--|---|
| <b>Infrastructure Improvement Projects</b>          |  |  |   |
| Lauro Outlet Works Tunnel Safety Improvements       | Draft designs have been prepared and under review by COMB. The next step is to send the plans to Reclamation for approval.   | Reclamation requires their review and approval for any modifications to existing infrastructure (MP-620 Permit).   | Draft plans to be sent to Reclamation in September and construction will be pending their review and approval.  |
| North Portal Elevator Modification                  | COMB has a back up rope system it has tested with CMC Pro at the North Portal. COMB staff is preparing an RFP to evaluate the elevator and propose modifications.  | High lake levels cause increased seepage in the elevator shaft which can affect electrical sensors and increase corrosion making the elevator less reliable.   | RFP request for elevator engineering support plans to be sent out in September.   |
| SCC Structure Rehabilitation : Lower Reach Laterals | Phase 2 which was approved in FY 2023 was delayed until June 2024. Work has commenced on Phase 2, with 10 of 12 completed to date. Phase 3 (4 additional laterals) has been approved and material ordered for installation.  | In order to facilitate shutdowns on the Lower Reach of the SCC, lateral valves need replacement. COMB is collaborating with CWWD on this project.  | Phase 2 is likely to be completed in mid-October and it would be most efficient to continue with Phase 3 immediately after Phase 2 is completed.  |
| SCC Structure Rehabilitation                        | Several remaining blowoffs need preventative rehabilitation to prevent unplanned outages. All AVARs on the SCC have been raised above grade. Up to two shutdowns may occur this year depending on coordinate with CWWD. COMB needs to request proposals for continued rehabilitation work. | The shutdown needed require coordination with CWWD and completion of the lateral rehabilitation prior to shutdown.   | Shutdowns are dependent on CWWD coordination and completion of lateral rehabilitation within each shutdown zone.  |
| Lauro Reservoir Bypass Channel Road Repair          | The bypass channel/road has been re-surveyed and the repair is under final design and Reclamation environmental review. COMB is awaiting on FEMA for the potential 404 funding award for the work.   | COMB has requested 404 HGMP mitigation funding for the improvement to the bypass channel. The existing bypass needs to function during the winter period and construction is limited to the summer months.   | Project would likely be initiated in May or June 2025. The size and scope of the repair will depend on grant awards.  |
| Sheffield Tunnel Evaluation and Repair              | COMB has issued an RFP for engineering services. Reclamation is planning to conduct the inspection in November and COMB staff is meeting with Reclamation on a regular basis to plan the details of the inspection.  | COMB will need to coordinate with the City of Santa Barbara Parks to install a temporary ventilation system in Parma Park for the tunnel inspection.   | Project will likely be initiated in October or November 2024 with the RFP being issued in September.  |
| Critical Access Road Maintenance and Repair         | COMB plans to crack fill and seal coat and perform minor asphalt repairs at Lauro Reservoir downstream access road, Carpinteria Reservoir, Ortega Reservoir access road, and potential Glen Anne Turnout access road.  | Pavement repairs are general scheduled in the spring or early summer to prevent conflicts with upcoming winter storms.   | COMB plans to request bids for paving work in Feb/March 2025 with work expected in the April to June period.  |
| Lauro Reservoir Intake Assessment/Repair            | COMB has prepared a draft RFP for engineering services to issue.   | Engineering analysis will likely need to perform a dive or remote underwater vehicle inspection of the tower which general needs to occur in the winter period.  | COMB plans to issue the RFP in October 2024 with the goal of completing the engineering in FY 2025 and construction in FY2026   |
| North Portal Intake Tower Seismic Assessment        | COMB has prepared a draft RFP for engineering services to issue.   | The intake tower at Lake Cachuma is likely the most vulnerable structure in seismic event in the system. This study would determine how vulnerable it is and how to mitigate the risks.  | COMB plans to issue the RFP in October 2024 with the goal of completing the study in 18 months going into FY 2026.  |
| North Portal Log Boom Replacement                   | COMB received quotes for the replacement logboom and the board approved the purchase of the logboom. COMB provided a purchase order for the log boom to a log boom supplier.   | Existing log boom broke ~10 times in FY 2023-2024 and it helps protect the tower from floating debris as well as boaters.  | The log boom has an expected delivery time of 6-8 weeks.  |
| Multi Site Renewable Energy and Resiliency          | COMB has issued an RFP to solar firms for the design and installation of a solar/battery system at COMB's headquarters. COMB is currently evaluating the proposals received. COMB applied for an SBAPCD grant for the solar/battery project.   | The Cachuma Project is primarily a gravity-driven system with the only energy costs associated with electricity usage related to cathodic protection, lighting and ventilation, office equipment, vehicle usage.   | COMB staff plans to contract with a solar firm to design the solar and battery system in October 2025.  |
| <b>Special Projects</b>                             |  |  |   |
| 2024 Winter Storm Repairs                           | Completed two of the five damage locations utilizing force account labor and equipment (COMB staff&equipment). COMB has provided a notice to proceed on the sediment removal at Lauro Debris basin and provided project descriptions to Reclamation on the two proposed slide repairs.     | The two slides will likely require Reclamation environmental review due to ground disturbing activities and it is unlikely the review and engineering can be completed before this upcoming winter and temporary measures will likely be needed to stabilize the slides. | Three of the five damage locations will be repaired before this upcoming winter but two locations will likely require temporary protective measures before more permanent repairs can be completed. |
| COMB Bldg./Ground Repair                            | COMB plans to install additional electrical vehicle chargers in FY 2024 to assist with the fleet electrification.  | Advance Clean Fleet regulations require local agencies to purchase 50% zero emissions trucks from 2024 to 2027.  | The electrical car chargers need to be integrated into the solar/battery design before they can be installed.   |
| Water Quality and Sediment Management               | COMB staff is preparing a CE-QUAL model for Lake Cachuma. Replacement sensors and parts have been acquired for the water quality buoy at the lake.   | Water quality has improved substantially as a result of the 2023 and 2024 winters with much lower TOC and reduced algal blooms. Future fires will jeopardize the existing water quality in the lake.   | No major projects are planned but model development will continue along with existing data collection activities.   |

**THIS PAGE INTENTIONALLY LEFT BLANK**

## CACHUMA OPERATION AND MAINTENANCE BOARD

**DATE:** September 23, 2024  
**TO:** Janet Gingras, General Manager  
**FROM:** Shane King, Operations Supervisor  
**RE:** **MONTHLY REPORT OF OPERATIONS – August 2024**

The total flow from Lake Cachuma into the Tecolote Tunnel for August was 1,874.03 acre-feet, for an average daily flow of 60.45 acre-feet. Lake elevation was 752.00 feet at the beginning of August and 750.38 feet at the end of August. Lake storage decreased by 5,149.15 acre-feet. There was 55.00 acre-feet of inflow from CCWA into Cachuma Project facilities this month. The City of Santa Barbara wheeled 770.57 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized and delivered 432.25 acre-feet of water to Hilton Creek for the month of August.

The Operations Division of the Cachuma Operation and Maintenance Board has the responsibility to operate, repair and maintain all Cachuma Project facilities from the Intake Tower at Lake Cachuma to the Carpinteria Reservoir. The Annual Work Plan sets forth all activities necessary to ensure system reliability. Consistent with the Plan, Operation and Maintenance staff performs routine maintenance on the distribution and storage system. Staff continues to improve the system, address deficiencies, and identify items to be included in the Infrastructure Improvement Program of work. Operations Division is responsible for:

- Adequately regulating and maintaining the diversion of water from Lake Cachuma to the South Coast via the Tecolote Tunnel as the primary water source for 5 communities.
- Operation and maintenance of the South Coast Conduit pipeline, which consists of 26.5 miles of pipeline with a combined 124 blow off and air vent structures, 43 turnout structures and 20 meters.
- Operation and maintenance of four regulating reservoirs.

| South Coast Conduit - Structure Inventory |  |                    |               |                               |        |           |           |          |                |        |            |             |                         |
|---|--|--------------------|---------------|-------------------------------|--------|-----------|-----------|----------|----------------|--------|------------|-------------|-------------------------|
| Reach                                     | Endpoints  | Linear Length (ft) | Pipe Diameter | Regulating Storage Reservoirs | Meters | Air Vents | Blow-Offs | Turnouts | Open Air Vents | Valves | Valve Size | Slide Gates | Capacity / Volume (gal) |
| <b>Upper</b>                              | Glen Annie Turnout (S. Portal) - Cater Water Treatment Plant | 64,050             | 48"           | 2                             | 5      | 32        | 35        | 18       | 2              | 115    | 4" - 48"   | 7           | 6,017,421               |
| <b>Lower</b>                              | Cater Water Treatment Plant - Carpinteria Reservoir          | 90,910             | 27" - 36"     | 2                             | 15     | 26        | 31        | 42       | 4              | 144    | 4" - 36"   | -           | 3,190,171               |

Routine operation and maintenance completed during the month of August were as follows:

- Staff has been on site monitoring several ongoing projects throughout the area, working closely with the construction and engineering contractors to ensure that:
  - Pipeline easements and the right-of-way remain accessible to Operations staff for possible emergencies and ongoing facility maintenance.
  - All projects are following the COMB and USBR approved plans.
  - No damage occurs to the SCC during the construction process.

### **Ongoing Monthly Operations Items:**

- Conducted several flow changes at the North Portal during the month
- Reviewed several projects for conflicts within the SCC right of way
- Received and responded to 114 USA Dig alerts
- Performed weekly inspections of major facilities, safety meetings, rodent bait (all reservoirs), toe drain, and piezometer reads at Ortega (L23)
- Performed dam inspection and instrumentation reports (all reservoirs)
- Performed equipment and yard maintenance
- Performed monthly North Portal elevator maintenance with Otis
- Performed monthly water quality sampling
- Read and document anodes and rectifier data

### **In addition to regular activities described above, Operations staff performed the following:**

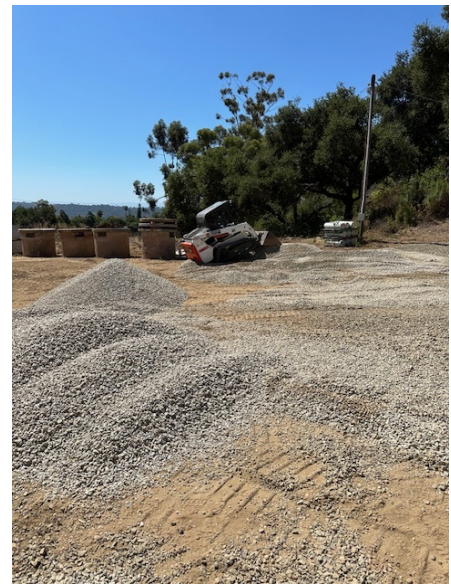
- Staff conducted post-earthquake dam and reservoir inspections after an earthquake was documented in Los Angeles County near Malibu. Staff performed these inspections in accordance with COMB's Standing Operating Procedures.
- COMB staff responded to a possible leak on the upper sections of the SCC in Santa Barbara. It was reported that water was leaking out of one of the air vent structure windows. Once staff assessed the leak it was found that water was leaking out of the AVAR (air vent). Staff repaired the leaking air vent and cleaned up the area. No damage was done to the surrounding property or the Conduit itself.
- Operations staff cleaned/prepped and re-painted COMB's reservoir and site access gates. These sites include three access gates at the Lauro yard, two access gates at Ortega reservoir, and one access gate at the north portal site. (see photos)
- Staff is working on organizing the upper Lauro storage yard to optimize storage space for COMB's assets and equipment. In addition, they have covered the area in  $\frac{3}{4}$  inch crushed rock to eliminate dust, prevent soil movement during storms, and to minimize the weed abatement efforts within the storage area. (see photos)
- Operations staff replaced a leaking air vent in the control station pit at Ortega reservoir. The new air vent has a dual Hi/Low pressure release and seals better under lower pressure conditions.
- Operations staff replaced a leaking air vent in the control station pit at Carpinteria reservoir. The new air vent has a dual Hi/Low pressure release and seals better under lower pressure conditions.
- Operations staff took part in a sexual harassment prevention class put on by Aqua JPIA. This class was completed via a zoom online course.
- Staff installed a new radar level transmitter in Carpinteria reservoir. The "drop-in" style transmitters that COMB currently use do not last as long as desired (roughly 1 year). The installation of this level transmitter is part of a testing period to observe how well these transmitters function in an environment like an enclosed reservoir. If this product is successful, then COMB plans to replace all its level transmitters with these newer radar level transmitters.
- COMB hired Aspect engineering to integrate data from the north portal backup generator into the SCADA system workstation at the COMB office. This work allows us to see data from the back up generator remotely i.e. generator running, runtime hours, fuel level, etc.
- COMB hired Tierra Contracting Inc. to conduct the lateral rehab. work in the Carpinteria section of the SCC. COMB staff has been monitoring and working closely with Tierra Construction staff to ensure work goes smoothly and to specification. During this month, the laterals that were completed include Lateral 12-L, Lateral 13-L, Lateral 14-L, and Lateral 15-L. (see photos)
- COMB staff has been monitoring Papich Construction as they repave Highway 192 from near Toro Canyon Road to Linden avenue. There are four South Coast Conduit manholes in this section of the highway. Papich has been able to grind and pave around the manholes without raising and lowering them.



**Access gate painting**



**Lauro storage area organizing**





Carpinteria lateral rehab. work



**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**BOARD MEMORANDUM**

**DATE:** September 23, 2024  
**TO:** Janet Gingras, General Manager  
**FROM:** Tim Robinson, Fisheries Division Manager  
**RE: MONTHLY FISHERIES DIVISION REPORT**

**HIGHLIGHTS:**

- 2000 Biological Opinion target flows have been met by USBR through Lake Cachuma releases:
  - Hilton Creek (minimum of 2 cfs): Hilton Creek Watering System (HCWS) gravity flow to the Upper Release Point (URP) and Lower Release Point (LRP) (approximately 6.76 cfs) plus upper basin flows (approximately 0.1 cfs since July and into mid-September) have been providing flows greater than target flows, which have been sustaining the *O. mykiss* population in the creek.
  - Highway 154 Bridge and Alisal Bridge (minimum 10 cfs as of 6/30/24 due to being on Table 2 flows for a wet/above normal year): Dam releases continue to sustain flows higher than required target flows at both compliance points.
  - The dam radial gates were closed on 3/10/24, reopened on 3/28/24 due to stormflow conditions, and then closed again on 4/22/24 for the rest of the dry season. Since then, the spill has been ramped down through the Outlet Works.
- Stranding surveys during spill ramp-downs have continued as USBR adjusts dam releases in compliance with Table 2 flows.

In compliance with the 2000 Cachuma Project Biological Opinion (BiOp) (NMFS, 2000) and WR Order 2019-0148, and as described in the 2000 Lower Santa Ynez River Fish Management Plan (SYRTAC, 2000) and the Monitoring Program in the 2000 Revised Biological Assessment (BA), the COMB-FD staff conducts routine monitoring of the steelhead/rainbow trout population and their habitat on the Lower Santa Ynez River (LSYR) and tributaries below Bradbury Dam. The following is a list of activities carried out by COMB-FD staff since the last COMB Board Fisheries Division Report and has been broken out into categories.

**LSYR Steelhead Monitoring Elements:**

**Lake Profiles:** Lake Cachuma water quality measurements (temperature, dissolved oxygen concentration, pH, and turbidity) at one-meter intervals from the surface to the bottom of the lake (Lake Profile) are taken once a month at the Hilton Creek Watering System (HCWS) Intake Barge. This is near the deepest point in the lake and allows for monitoring of lake stratification, water quality conditions at the intake level for the HCWS, and lake-turnover. Due to the previous drought and the need to carefully monitor Lake Cachuma, lake profiles are being taken monthly throughout the year and are reported in the Annual Monitoring Summary/Report.

**Spill Ramp-down / Stranding Surveys:** As USBR adjusts dam releases from the WY2024 spill in compliance with WRO 2019-0148 Table 2 flow requirements at Alisal Bridge and Highway 154 Bridge, surveys have been conducted by COMB-FD staff to look for stranded fish or mortalities during spill ramp-down as the river flows recede into the lower flow channels.

Observations are immediately provided to USBR. Flow cuts occurred on 7/25/24 (3 cfs) and 8/1/24 (2 cfs), followed by a flow increase on 8/8/24 (2 cfs) and has been held steady since.

**Snorkel surveys:** Snorkel surveys for *O. mykiss* and non-native fish in the LSYR mainstem and tributaries are conducted two times a year. The first Snorkel Survey has been completed and the second will be started soon. The results are presented in the annual monitoring report.

**Monitoring Target Flows:** Monitoring for the required 2000 BiOp and WR 2019-0148 target flows are conducted by USGS and USBR for Hilton Creek, and COMB-FD, USBR and USGS for the LSYR at the Highway 154 Bridge and Alisal Bridge.

Multiple moderate rainfall events in late March and April were sufficient to continue the spill specifically on 3/29/24, 4/4/24, and 4/13/24. Dam releases in August varied from approximately 34 cfs to approximately 31 cfs over the course of the month.

The minimum target flow of 2 cfs to Hilton Creek was met throughout July with HCWS gravity flow to the URP and a small amount to the LRP (approximately 6.76 cfs) and upper basin flows (approximately 0.1 cfs since the end of July) for a total of approximately 6 cfs throughout August as recorded by the USGS at the LRP that includes upper basin flows (often the USGS and USBR discharge readings do not match).

Bradbury Dam releases have been keeping river flows at the Highway 154 Bridge and the Alisal Bridge well above Table 2 compliance flows (10 cfs as of 6/30/24). Target flows at the Highway 154 Bridge and Alisal Bridge were being met as recorded by the USGS at each site. The USGS recorded flows of approximately 31-35 cfs and 20-35 cfs throughout August, respectively. The USGS stream gage at the Highway154 Bridge is operating as designed and contracted. This is a low flow gage that continually records stage but only records river discharges up to 65 cfs. USBR continues to work with the State Board to modify Term 18 and Term 25 to officially move the target flow compliance point to the new USGS gage site.

#### **Tributary Project Updates:**

Staff continue to work on 5 focused fish passage and habitat enhancement projects (4 on Quiota Creek and 1 on El Jaro Creek). All permits have been obtained and the projects will start soon.

#### **State Water Board Order WR 2019-0148:**

The following tasks were completed as requested by Reclamation for their required compliance with the Order WR (WRO) 2019-0148.

**Terms 18 and 25 (improved discharge monitoring at the Highway 154 compliance point):** In 2022, COMB worked with and then contracted the USGS to install a new stream gaging station just upstream of the Highway 154 Bridge on the Lower Santa Ynez River. The site was completed and activated on 10/1/22 and has been performing as designed and contracted since. Reclamation is in the process of obtaining State Board approval for transferring that compliance point.

**Term 19 (monitoring effectiveness of Table 2 flows):** In 2023, Reclamation asked COMB staff to facilitate and work with CCRB and the downstream interests to draft the initial Term 19 Study Plan framework to evaluate the benefits to the downstream fishery from Table 2 flows. Field observations and gained knowledge during the 2023 dry season led to a revised Term 19 Study Plan which is being reviewed by the collective group.



**Term 20 (plan to complete all required plans within the WRO):** Reclamation submitted an updated Term 20 Plan for the delivery of all WRO 2019-0148 required plans on 9/16/24.

**Term 24(a) (fish passage around Bradbury Dam):** Reclamation organized a weeklong Value Planning Study session from 9/16/24 to 9/20/24 to discuss the feasibility for fish passage around Bradbury Dam. COMB staff were requested by Reclamation to participate given our knowledge of the fishery and the Santa Ynez River watershed, plus our participation in previous investigations of similar objectives.

**Term 27 (annual reporting):** The WY2023 Annual Monitoring Report was completed and submitted to Reclamation on 6/27/24. This report documents the results of the annual monitoring effort and serves as the required compliance reporting for the 2000 Cachuma Project Biological Opinion and supports Reclamation's required Annual Report for Term 27 of the WRO 2019-0148.

### **Hilton Creek Watering System (HCWS) and Emergency Backup System (HCEBS) Operation and Repairs:**

**HCWS and HCEBS:** The HCWS and HCEBS are owned, operated, and maintained by USBR. USBR technical staff continues to consider improvement options for the HCWS and HCEBS. The HCWS was initially constructed in 1999 then modified to its current configuration in 2004. Recent and notable changes or repairs to these two Hilton Creek delivery systems are as follows:

- The 1/9/23 storm damaged the HCWS pumping barge and all the electrical systems on that barge were submerged and now need to be replaced. The anchoring cables had to be cut by Reclamation to right that barge that is now holding position by the attached submerged delivery pipeline (both in and out). Lake water is currently flowing by gravity from the Intake Barge to Hilton Creek and will continue to do so for the unforeseen future given that the lake is full.
- The HCEBS floating pipeline across the Stilling Basin was disconnected on the north side by USBR on 2/7/23 just prior to exercising all four of the spillway gates on 2/8/23. During the 2/25/23 spill event, that floating pipeline moved to the south bank and is now out of harm's way from the current spill event. It has not been determined if the pipeline got damaged upon moving to its current location.
- No further actions or repairs have been scheduled.

### **Bradbury Dam Operations and Repairs:**

**Bradbury Dam and Outlet Works:** Bradbury Dam and the Outlet Works are owned, operated and maintained by Reclamation.

- On 4/11/23 and 4/12/23, Reclamation closed the Slide Gate on the Bradbury Dam Penstock to the Outlet Works and successfully replaced the stuck 30-inch valve with a blind flange then reopened the Slide Gate.
- During the week of 8/21/23, Reclamation replaced all the Bradbury Dam radial gate lifting motors to return them to full operational condition. Testing of the new motors will happen at a future date.

- On 11/10/23, Reclamation successfully completed reinstalling the refurbished 30-inch Outlet Works valve and testing of the lifting motors of the Bradbury Dam radial gates. All equipment was completely removed by 11/14/23. There was no impact to the downstream fishery during the operation.
- No further actions or repairs have been scheduled.

**Surcharge Water Accounting:**

The following table summarizes the amount of surcharge water (defined as the amount of storage added to the lake by installing the flashboards to the top of the four radial gates to take the maximum lake elevation from 750 ft to 753 ft) used to date from each of the three accounts (Fish Passage Supplementation, Adaptive Management, and Fish Rearing) plus Unallocated Project Water at the end of last month (Table 1). All numbers are from the USBR’s Daily Operations Report. The start time for the use of the Surcharge Water Accounts and Project Yield is the day following the last day of full surcharge and the end of the last spill event (the official end date for the WY2024 spill has been declared on 6/21/24 by USBR). With the magnitude of the WY2024 spill, all Surcharge Water Accounts were once again full, and debiting started on 6/22/24 as reflected in Table 1 using the 2021 bathymetric survey values.

**Table 1:** Summary of the surcharge water accounting and use of Project Yield as of 8/31/24, using the 2021 bathymetric survey data.

| <b>Accounts*</b>   | <b>Allocation</b>  | <b>Amount Used**</b> | <b>Amount Remaining</b> |
|--|--------------------|----------------------|-------------------------|
| <b>Units:</b>  | <b>(acre-feet)</b> | <b>(acre-feet)</b>   | <b>(acre-feet)</b>      |
| <b>Fish Passage Supplementation</b>  |                    |                      |                         |
| <b>WY2023</b>  | 3,200              | 0                    | 3,200                   |
| <b>Adaptive Management</b>   | 500                | 0                    | 500                     |
| <b>Fish Rearing***</b>   | 5,527              | 5,048                | 479                     |
| <b>Unallocated Project Water</b>   |                    | 0                    | -                       |
| <b>Total:</b>  | <b>9,227</b>       | <b>5,048</b>         | <b>4,179</b>            |
| * Originally was 9,200 af, 8,942 af in 2008, 9,184 af in 2013, and <b>9,227 af</b> in 2021.  |                    |                      |                         |
| ** Values as of 8/31/24.   |                    |                      |                         |
| *** This water is for meeting required target flows. This is not an official account and is what remains after subtracting the other two accounts. |                    |                      |                         |

**Reporting / Outreach / Training:**

**Reporting:** Staff has been assisting USBR upon request in reviewing draft sections and conducting data analyses for their preparation of the new draft Biological Assessment and WR 2019-0148 required Plans. Staff have completed the WY2023 Annual Monitoring Summary and Annual Monitoring Report. Staff has started work on the WY2024 Annual Monitoring Summary.

**Outreach and Training:** Outreach continues with Lower Santa Ynez River landowners (specifically in the Quiota Creek and Salsipuedes Creek watersheds), interested parties within the Santa Ynez Valley, and the County on a variety of fisheries related issues.

**Consultant Activity Summary:**

**HDR Fisheries Design Center** (Mike Garello and Shaun Bevan) – HDR has been assisting with needed documentation for permit applications. This included revisions of the Technical Memo and designs.

***Kenneth A. Knight Consulting*** (Ken Knight) – No work was performed during this period on the established SOW tasks.

**THIS PAGE INTENTIONALLY LEFT BLANK**

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

|               |                              |
|---------------|------------------------------|
| Date:         | September 23, 2024           |
| Submitted by: | Tim Robinson and Scott Volan |
| Approved by:  | Janet Gingras                |

**SUBJECT: Progress Report on the Lake Cachuma Oak Tree Restoration Program**

**RECOMMENDATION:**

The Board of Directors receive information on the status of the Lake Cachuma Oak Tree Restoration Program (Program) and provide direction to staff as appropriate.

**SUMMARY:**

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since August 2023 to the present (9/1/23 – 9/23/24, Table 1). Labor and expenses as well as water usage for the entire fiscal year (July 2024 - June 2025) are tracked separately and reported as necessary as recommended by the Lake Cachuma Oak Tree Committee. COMB staff continues to rely on the Fisheries Division (FD) seasonal employees whenever possible to conduct most of the oak tree work in the field. The 2015 Lakeshore Inventory was completed and reviewed by the Lake Cachuma Oak Tree Committee on 2/25/16, which set the mitigation numbers for the Program. The 2023 Annual Report with the annual inventory and Fiscal Year 2023-24 financials was completed and reviewed by the Lake Cachuma Oak Tree Committee on 7/25/24 and approved by the COMB Board on 8/26/24 that recommended going forward with only maintaining the currently planted oak trees.

**Table 1:** Cachuma Oak Tree Program completed maintenance tasks since September 2023.

|                     | Sept 2023 | Oct 2023  | Nov 2023  | Dec 2023 <sup>1</sup> | Jan 2024 <sup>1</sup> | Feb 2024 <sup>1</sup> | Mar 2024 <sup>1</sup> | April 2024 <sup>1</sup> | May 2024 <sup>1</sup> | June 2024 | July 2024 | Aug 2024  | Sept 2024 |
|---------------------|-----------|-----------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|-----------------------|-----------|-----------|-----------|-----------|
| <b>Year 13 Oaks</b> | Irrigated | Irrigated | Irrigated | Irrigated             |                       |                       |                       |                         |                       | Irrigated | Irrigated | Irrigated | Irrigated |
| <b>(2021-2022)</b>  | Weeded    | Weeded    | Weeded    | Watered               |                       |                       | Weeded                | Weeded                  | Weeded                | Weeded    | Weeded    | Weeded    | Weeded    |
|                     | Repair    |           |           |                       |                       |                       |                       |                         |                       |           |           |           | Repair    |
| <b>Year 12 Oaks</b> | Irrigated | Irrigated |           | Irrigated             |                       |                       |                       |                         |                       | Irrigated | Irrigated | Irrigated | Irrigated |
| <b>(2020-2021)</b>  | Weeded    | Weeded    |           | Watered               |                       |                       |                       |                         |                       | Weeded    | Weeded    | Weeded    | Weeded    |
| <b>Year 11 Oaks</b> |           | Irrigated | Irrigated |                       |                       |                       |                       |                         |                       |           |           |           | Irrigated |
| <b>(2019-2020)</b>  |           | Weeded    | Weeded    |                       |                       |                       |                       |                         |                       |           |           |           | Weeded    |
| <b>Year 10 Oaks</b> |           |           |           |                       |                       |                       |                       |                         |                       |           |           |           |           |
| <b>(2018-2019)</b>  |           |           |           |                       |                       |                       |                       |                         |                       |           |           |           |           |
| <b>Year 9 Oaks</b>  |           |           |           |                       |                       |                       |                       |                         |                       |           |           |           |           |
| <b>(2016-2017)</b>  |           |           |           |                       |                       |                       |                       |                         |                       |           |           |           |           |
| <b>Year 8 Oaks</b>  |           |           |           |                       |                       |                       |                       |                         |                       |           |           |           |           |
| <b>(2015-2016)</b>  |           |           |           |                       |                       |                       |                       |                         |                       |           |           |           |           |
| <b>Year 7 Oaks</b>  |           |           |           |                       |                       |                       |                       |                         |                       |           |           |           |           |
| <b>(2014-2015)</b>  |           |           |           |                       |                       |                       |                       |                         |                       |           |           |           |           |

<sup>1</sup>Oak tree inventory.

Summaries of specific tasks outside of routine maintenance are presented below.

**SPECIFIC TASKS**

**Tree Irrigating/Weeding**

Staff continued to water the newer age classes of oak trees at Lake Cachuma Park, Reclamation property, and Live Oak Camp. Replacement trees from various age classes were also irrigated over the course of the

last month. Dry season irrigation will continue into the fall season until several storms have impacted the basin, bringing soil moisture levels back up naturally.

During irrigation, staff are also opportunistically cutting cage material away from girdled branches to prevent tree damage. If gopher holes are present around the base of a tree, an effort is made to collapse and plug up the holes to prevent damage to the root system.

**Tree Planting**

There is no planting of new trees being considered for this year.

**Annual Inventory**

The 2023 Annual Inventory of all year classes has been completed and has been reported in the 2023 Annual Report.

**End of Program Plan**

A Lake Cachuma Oak Tree End of Program Plan was presented to the Lake Cachuma Oak Tree Committee on 5/17/23 and presented to the COMB Board on 5/22/23 when it was then finalized. The Plan is being followed as presented.

**COMMITTEE STATUS:**

Lake Cachuma Oak Tree Committee met on 7/25/24 to review the draft 2023 Annual Inventory with Fiscal Year 2023-24 financials. The Committee made the recommendation to continue maintenance on the most recent trees only.

**LIST OF EXHIBITS:**

n/a



**WATER YEAR 23-24 CACHUMA PROJECT ALLOCATION**

**CACHUMA OPERATION AND MAINTENANCE BOARD  
WATER PRODUCTION AND WATER USE REPORT  
FOR THE MONTH OF AUGUST 2024 AND THE WATER YEAR TO DATE (WYTD) <sup>(1)</sup>**

(All in rounded Acre Feet)

| <b>CACHUMA PROJECT</b>                  |                |                 |
|---|----------------|-----------------|
| <b>WATER PRODUCTION:</b>                | <b>MONTH</b>   | <b>WYTD</b>     |
| Cachuma Lake (Tec. Diversion)           | 1,810.5        | 14,248.9        |
| Tecolote Tunnel Infiltration            | 83.5           | 1,066.6         |
| Cachuma Lake (County Park)              | 2.7            | 18.1            |
| <b>Subtotal - Water Production</b>      | <b>1,896.7</b> | <b>15,333.5</b> |
| <b>WATER DELIVERIES:</b>                |                |                 |
| State Water Diversion                   | 65.1           | 314.0           |
| Cachuma Diversion                       | 1,749.5        | 14,633.2        |
| Storage gain/(loss) <sup>(2)</sup>      | (5.5)          | 25.5            |
| <b>Subtotal - Water Deliveries</b>      | <b>1,809.0</b> | <b>14,972.7</b> |
| <b>Total Water Production</b>           | <b>1,896.7</b> | <b>15,333.5</b> |
| <b>Total Water Deliveries</b>           | <b>1,809.0</b> | <b>14,972.7</b> |
| <b>Difference = Apparent Water Loss</b> | <b>87.6</b>    | <b>360.8</b>    |
| % Apparent Water Loss                   | 4.62%          | 2.35%           |

**SCC APPARENT WATER LOSS ALLOCATION (AWL) <sup>(3)</sup>**

|   | <b>GWD</b> | <b>SB CITY</b> | <b>MWD</b> | <b>CVWD</b> | <b>TOTAL</b> |
|---|------------|----------------|------------|-------------|--------------|
| <b>CURRENT MONTH CHARGE / (ADJUSTMENT)</b>      |            |                |            |             |              |
| M&I   | 0.0        | 0.0            | 0.0        | 0.0         | 0.0          |
| Agriculture                                     | 0.0        | 0.0            | 0.0        | 0.0         | 0.0          |
| Subtotal Cachuma Project                        | <b>0.0</b> | <b>0.0</b>     | <b>0.0</b> | <b>0.0</b>  | <b>0.0</b>   |
| (+) State Water Project                         | 0.0        | 0.0            | 0.0        | 0.0         | 0.0          |
| <b>Total Current Month</b>                      | <b>0.0</b> | <b>0.0</b>     | <b>0.0</b> | <b>0.0</b>  | <b>0.0</b>   |
| <b>WATER YEAR-TO-DATE CHARGE / (ADJUSTMENT)</b> |            |                |            |             |              |
| M&I   | 0.0        | 0.0            | 0.0        | 0.0         | 0.0          |
| Agriculture                                     | 0.0        | 0.0            | 0.0        | 0.0         | 0.0          |
| Subtotal Cachuma Project                        | <b>0.0</b> | <b>0.0</b>     | <b>0.0</b> | <b>0.0</b>  | <b>0.0</b>   |
| (+) State Water Project                         | 0.0        | 0.0            | 0.0        | 0.0         | 0.0          |
| <b>Total AWL Charged (WYTD)</b>                 | <b>0.0</b> | <b>0.0</b>     | <b>0.0</b> | <b>0.0</b>  | <b>0.0</b>   |
| <b>Total AWL Not Charged (WYTD)</b>             |            |                |            |             | <b>360.8</b> |
| <b>Total AWL Incurred (WYTD)</b>                |            |                |            |             | <b>360.8</b> |

**CACHUMA PROJECT WATER CHARGE**

|                                       | <b>GWD</b>     | <b>SB CITY</b> | <b>MWD</b>   | <b>CVWD</b>    | <b>SYRID #1</b> | <b>TOTAL</b>    |
|---------------------------------------|----------------|----------------|--------------|----------------|-----------------|-----------------|
| <b>CURRENT MONTH</b>                  |                |                |              |                |                 |                 |
| Water Usage                           |                |                |              |                |                 |                 |
| M&I                                   | 848.7          | 169.7          | 191.1        | 101.9          | 2.7             | 1,314.0         |
| Agricultural                          | 285.5          | 0.0            | 16.9         | 133.1          | N/A             | 435.5           |
| <b>Subtotal Project Water Use</b>     | <b>1,134.2</b> | <b>169.7</b>   | <b>208.0</b> | <b>235.0</b>   | <b>2.7</b>      | <b>1,749.5</b>  |
| (+) Apparent Water Loss               | 0.0            | 0.0            | 0.0          | 0.0            | N/A             | 0.0             |
| (+) Evaporative Loss <sup>(4)</sup>   | 0.0            | 0.0            | 0.0          | 0.0            | 0.0             | 0.0             |
| <b>Total Project Water Charge</b>     | <b>1,134.2</b> | <b>169.7</b>   | <b>208.0</b> | <b>235.0</b>   | <b>2.7</b>      | <b>1,749.5</b>  |
| <b>WATER YEAR-TO-DATE</b>             |                |                |              |                |                 |                 |
| Water Usage                           |                |                |              |                |                 |                 |
| M&I                                   | 7,780.2        | 2,054.9        | 849.9        | 1,175.6        | 18.1            | 11,878.7        |
| Agricultural                          | 1,570.7        | 0.0            | 70.4         | 1,123.6        | N/A             | 2,764.6         |
| <b>Subtotal Project Water Use</b>     | <b>9,350.9</b> | <b>2,054.9</b> | <b>920.3</b> | <b>2,299.2</b> | <b>18.1</b>     | <b>14,643.3</b> |
| (+) Apparent Water Loss               | 0.0            | 0.0            | 0.0          | 0.0            | N/A             | 0.0             |
| (+) Evaporative Loss <sup>(4)</sup>   | 83.0           | 128.8          | 32.9         | 27.0           | 36.7            | 308.4           |
| <b>Total Project Water Charge (*)</b> | <b>9,433.9</b> | <b>2,183.7</b> | <b>953.2</b> | <b>2,326.2</b> | <b>54.8</b>     | <b>14,951.8</b> |

(\*) Project Water Charge is applied first to Carryover Water balance and then to Current Year Water Allocation



**WATER YEAR 23-24 CACHUMA PROJECT ALLOCATION**

**CACHUMA OPERATION AND MAINTENANCE BOARD  
WATER PRODUCTION AND WATER USE REPORT  
FOR THE MONTH OF AUGUST 2024 AND THE WATER YEAR TO DATE (WYTD) <sup>(1)</sup>**

(All in rounded Acre Feet)

**CACHUMA PROJECT WATER BALANCE**

|  | <b>GWD</b>     | <b>SB CITY</b> | <b>MWD</b>     | <b>CVWD</b>    | <b>SYRID #1</b> | <b>TOTAL</b>    |
|--|----------------|----------------|----------------|----------------|-----------------|-----------------|
| <b>Project Water Carryover - 10/1/2023</b>         | 6,514.3        | 7,932.7        | 2,076.1        | 2,110.2        | 2,155.3         | 20,788.6        |
| <b>(-) Project Water Charge (WYTD)</b>             | 3,720.5        | 1,355.6        | 276.3          | 1,107.7        | 42.8            | 6,502.9         |
| Carryover Available Before Adjustments             | 2,793.8        | 6,577.1        | 1,799.8        | 1,002.5        | 2,112.5         | 14,285.7        |
| <b>Adjustments to Carryover (WYTD)</b>             |                |                |                |                |                 |                 |
| State Water Exchange <sup>(5)</sup>                | 0.0            | 0.0            | 0.0            | 0.0            | 0.0             | 0.0             |
| Surplus <sup>(6)</sup>                             | 516.5          | 321.9          | 4.4            | 102.8          | 6.7             | 952.2           |
| Carryover Spilled <sup>(7)</sup>                   | (3,310.3)      | (6,899.0)      | (1,804.2)      | (1,105.2)      | (2,119.2)       | (15,237.8)      |
| <b>Balance Project Water Carryover</b>             | <b>0.0</b>     | <b>0.0</b>     | <b>0.0</b>     | <b>0.0</b>     | <b>0.0</b>      | <b>0.0</b>      |
| <b>Current Year Allocation <sup>(8)</sup></b>      | 9,322.0        | 8,277.0        | 2,651.0        | 2,813.0        | 2,651.0         | 25,714.0        |
| <b>(-) Balance of Project Water Charge (WYTD)</b>  | 5,713.4        | 828.0          | 677.0          | 1,218.4        | 12.0            | 8,448.8         |
| Allocation Available Before Adjustments            | 3,608.6        | 7,449.0        | 1,974.0        | 1,594.6        | 2,639.0         | 17,265.2        |
| <b>Adjustments to Allocation (WYTD)</b>            |                |                |                |                |                 |                 |
| State Water Exchange <sup>(5)</sup>                | 531.0          | 356.0          | 356.0          | 235.0          | (1,478.0)       | 0.0             |
| Surplus  | 3,125.3        | 522.4          | 222.6          | 762.3          | 562.1           | 5,194.7         |
| Transfers/Adjustment - SB/La Cumbre                | 0.0            | 0.0            | 0.0            | 0.0            | 0.0             | 0.0             |
| Transfers/Adjustment - Bishop Ranch <sup>(9)</sup> | 100.0          | 0.0            | 0.0            | 0.0            | 0.0             | 100.0           |
| Transfers/Adjustment - Juncal Transfer             | 0.0            | 0.0            | 0.0            | 0.0            | 0.0             | 0.0             |
| Transfers/Adjustment - GWD/SB Overlap              | 0.0            | 0.0            | 0.0            | 0.0            | 0.0             | 0.0             |
| <b>Balance Current Year Allocation</b>             | <b>7,364.9</b> | <b>8,327.3</b> | <b>2,552.7</b> | <b>2,591.9</b> | <b>1,723.1</b>  | <b>22,559.9</b> |
| <b>Total Cachuma Project Water Available</b>       | <b>7,364.9</b> | <b>8,327.3</b> | <b>2,552.7</b> | <b>2,591.9</b> | <b>1,723.1</b>  | <b>22,559.9</b> |

**ACCUMULATED DROUGHT WATER CREDIT (ADWC) BALANCE <sup>(10)</sup>**

|   | <b>GWD</b>     | <b>SB CITY</b> | <b>MWD</b>     | <b>CVWD</b>    | <b>SYRID #1</b> | <b>TOTAL</b>    |
|---|----------------|----------------|----------------|----------------|-----------------|-----------------|
| <b>ADWC Balance - 10/1/2023</b>               | 0.0            | 0.0            | 0.0            | 0.0            | 0.0             | 0.0             |
| <b>(-) ADWC Water Charge (WYTD)</b>           | 0.0            | 0.0            | 0.0            | 0.0            | 0.0             | 0.0             |
| <b>Adjustments to ADWC (WYTD)</b>             |                |                |                |                |                 |                 |
| ADWC Spilled                                  | 0.0            | 0.0            | 0.0            | 0.0            | 0.0             | 0.0             |
| <b>Balance ADWC</b>                           | <b>0.0</b>     | <b>0.0</b>     | <b>0.0</b>     | <b>0.0</b>     | <b>0.0</b>      | <b>0.0</b>      |
| <b>Total Cachuma Project + ADWC Available</b> | <b>7,364.9</b> | <b>8,327.3</b> | <b>2,552.7</b> | <b>2,591.9</b> | <b>1,723.1</b>  | <b>22,559.9</b> |

**Footnotes**

- (1) Water Year = October 1 through September 30; WYTD = Water Year to Date
- (2) Includes Lauro and Ortega Reservoirs only
- (3) Based on correspondence from Michael Jackson, dated 09/15/17, which revised the approach to the assessment for unaccounted for water loss based on lake conditions
- (4) Per USBR, evaporation is applied to Cachuma Carryover and SWP water through standard contract formula effective April 1, 2017
- (5) Per SWP Exchange Agrmt GWD received 118 AF; City of SB received 79 AF; MWD received 79 AF; and CVWD received 52 AF from ID#1 in August 2024
- (6) Per USBR, surplus water became available to Member Units beginning 2/1/24 and ending 6/21/24 (end of day)
- (7) Spill releases from Bradbury Dam in February 2024 (113,097 AF) reduced SWP and Carryover accounts
- (8) Per USBR, 100% allocation to Member Units, effective 10/1/23
- (9) Transfer per Contract for Exchange Water with Thomas B. Bishop Company and GWD (100 AF)
- (10) ADWC accrual for WY 2023 and WY 2024 is pending Reclamation determination
- (11) Memo only - State Water Deliveries to Lake Cachuma for August 2024 was 55 AF
- (12) Memo only - MWD has received 234.76 AF under the City of SB / MWD WSA ("Desal") for this Contract Year (July 1 - June 30)

**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**WATER STORAGE REPORT**

MONTH: **AUGUST 2024**

**GLEN ANNIE RESERVOIR** <sup>(1)</sup>

|   |              |      |
|---|--------------|------|
| Capacity at 385' elevation:                   | 335          | AF   |
| Capacity at sill of intake at 334' elevation: | 21           | AF   |
| Stage of Reservoir Elevation                  | <b>354.1</b> | Feet |
| Water in Storage                              | 140.16       | AF   |

**LAURO RESERVOIR**

|   |              |      |
|---|--------------|------|
| Capacity at 549' elevation:                       | 503          | AF   |
| Capacity at top of intake screen, 520' elevation: | 106.05       | AF   |
| Stage of Reservoir Elevation                      | <b>545.1</b> | Feet |
| Water in Storage                                  | 428.97       | AF   |

**ORTEGA RESERVOIR**

|                                       |              |      |
|---------------------------------------|--------------|------|
| Capacity at 460' elevation:           | 65           | AF   |
| Capacity at outlet at elevation 440': | 0            | AF   |
| Stage of Reservoir Elevation          | <b>448.7</b> | Feet |
| Water in Storage                      | 24.98        | AF   |

**CARPINTERIA RESERVOIR**

|                                    |              |      |
|------------------------------------|--------------|------|
| Capacity at 384' elevation:        | 45           | AF   |
| Capacity at outlet elevation 362': | 0            | AF   |
| Stage of Reservoir Elevation       | <b>376.3</b> | Feet |
| Water in Storage                   | 26.37        | AF   |

**TOTAL STORAGE IN RESERVOIRS** <sup>(1)</sup>

|                   |       |    |
|-------------------|-------|----|
| Change in Storage | -5.02 | AF |
|-------------------|-------|----|

**CACHUMA RESERVOIR** <sup>(2)</sup>

|  |         |    |
|--|---------|----|
| Capacity at 750' elevation: <sup>(3)</sup> | 183,751 | AF |
| Capacity at sill of tunnel 660' elevation: | 23,642  | AF |

|                              |                |       |
|------------------------------|----------------|-------|
| Stage of Reservoir Elevation | <b>750.38</b>  | Feet  |
| Water in Storage             | <b>184,907</b> | AF    |
| Surface Area                 | <b>3,039</b>   | Acres |
| Evaporation                  | <b>1,766.0</b> | AF    |
| Inflow                       | <b>508.8</b>   | AF    |
| Downstream Release WR8918    | <b>0.0</b>     | AF    |
| Fish Release (Hilton Creek)  | <b>432.3</b>   | AF    |
| Outlet                       | <b>1638.0</b>  | AF    |
| Spill/Seismic Release        | <b>0</b>       | AF    |
| State Water Project Water    | <b>55.0</b>    | AF    |
| Change in Storage            | <b>-5,149</b>  | AF    |
| Tecolote Diversion           | <b>1,874.0</b> | AF    |

**Rainfall:                      Month: 0.00    Year: 0.00    Inches**

(1) Glen Annie Reservoir is currently offline and excluded from Total Storage in Reservoirs amount.  
(2) Lake Cachuma reservoir storage volume based on 2021 bathymetric survey (NGVD29)  
(3) In 2004, flashboard installation raised Cachuma Reservoir max elevation to 753' (192,978 AF); surcharge





**SUMMARY OF WATER USED**  
**CACHUMA PROJECT - CONTRACT #175R-1802**

Contract Year: 10/1/23 to: 9/30/24

Contract Entity: **City of Santa Barbara**  
 Update by COMB 8/31/2024

| Month | Carryover Balance Prior Yr | Approved Allocation Curr Yr |
|-------|----------------------------|-----------------------------|
| Oct   | 7,932.7                    | 8,277.0                     |
| Nov   | -                          | -                           |
| Dec   | -                          | -                           |
| Jan   | -                          | -                           |
| Feb   | -                          | -                           |
| Mar   | -                          | -                           |
| Apr   | -                          | -                           |
| May   | -                          | -                           |
| Jun   | -                          | -                           |
| Jul   | -                          | -                           |
| Aug   | -                          | -                           |
| Sep   | -                          | -                           |
| Total | 7,932.7                    | 8,277.0                     |

| TOTAL WATER USED |     |         | WATER USE CHARGED |         |         |         | WATER USE CHARGED |       |       |       |
|------------------|-----|---------|-------------------|---------|---------|---------|-------------------|-------|-------|-------|
| Acre-feet        |     |         | Allocation        |         |         |         | Allocation        |       |       |       |
| M & I            | Agr | Total   | Evap              | Used    | Total   | M & I   | -----             | M & I | ----- | Total |
| 45.5             | -   | 45.5    | 48.6              | 45.5    | 94.0    | 94.0    | -                 | -     | -     | -     |
| 273.6            | -   | 273.6   | 32.4              | 273.6   | 306.1   | 306.1   | -                 | -     | -     | -     |
| 401.1            | -   | 401.1   | 16.8              | 401.1   | 417.9   | 417.9   | -                 | -     | -     | -     |
| 201.0            | -   | 201.0   | 14.7              | 201.0   | 215.7   | 215.7   | -                 | -     | -     | -     |
| 305.6            | -   | 305.6   | 16.3              | 305.6   | 321.9   | 321.9   | -                 | -     | -     | -     |
| 177.5            | -   | 177.5   | -                 | -       | -       | -       | -                 | 177.5 | -     | 177.5 |
| 144.4            | -   | 144.4   | -                 | -       | -       | -       | -                 | 144.4 | -     | 144.4 |
| 157.0            | -   | 157.0   | -                 | -       | -       | -       | -                 | 157.0 | -     | 157.0 |
| 62.1             | -   | 62.1    | -                 | -       | -       | -       | -                 | 62.1  | -     | 62.1  |
| 117.4            | -   | 117.4   | -                 | -       | -       | -       | -                 | 117.4 | -     | 117.4 |
| 169.7            | -   | 169.7   | -                 | -       | -       | -       | -                 | 169.7 | -     | 169.7 |
| -                | -   | -       | -                 | -       | -       | -       | -                 | -     | -     | -     |
| -                | -   | -       | -                 | -       | -       | -       | -                 | -     | -     | -     |
| 2,054.9          | -   | 2,054.9 | 128.8             | 1,226.8 | 1,355.6 | 1,355.6 | -                 | 828.0 | -     | 828.0 |

| Month | CONVERSIONS (M&I AND AG SPLIT) |     |                    |     |
|-------|--------------------------------|-----|--------------------|-----|
|       | CARRYOVER WATER                |     | CURR YR ALLOCATION |     |
|       | M & I                          | Agr | M & I              | Agr |
| Oct   | -                              | -   | -                  | -   |
| Nov   | -                              | -   | -                  | -   |
| Dec   | -                              | -   | -                  | -   |
| Jan   | -                              | -   | -                  | -   |
| Feb   | -                              | -   | -                  | -   |
| Mar   | -                              | -   | -                  | -   |
| Apr   | -                              | -   | -                  | -   |
| May   | -                              | -   | -                  | -   |
| Jun   | -                              | -   | -                  | -   |
| Jul   | -                              | -   | -                  | -   |
| Aug   | -                              | -   | -                  | -   |
| Sep   | -                              | -   | -                  | -   |

| Month     | SCHEDULE AND REVISIONS                 |            |           |         |       |         |
|-----------|--|------------|-----------|---------|-------|---------|
|           | Total                                  | Allocation |           | Total   |       |         |
|           |  | M & I      | -----     |         | M & I | -----   |
| Begin Bal | 7,932.7                                | 7,932.7    | -         | 8,277.0 | -     | 8,277.0 |
| Oct       | -                                      | -          | -         | -       | -     | -       |
| Nov       | -                                      | -          | -         | -       | -     | -       |
| Dec       | -                                      | -          | -         | -       | -     | -       |
| Jan       | -                                      | -          | -         | -       | -     | -       |
| Feb       | Surplus, Spill <sup>(1)</sup>          | (6,577.1)  | (6,577.1) | -       | -     | -       |
| Mar       | Surplus (+177.5AF)                     | -          | -         | 177.5   | -     | 177.5   |
| Apr       | Surplus (+144.4AF) + ID#1 Exch (+9AF)  | -          | -         | 153.4   | -     | 153.4   |
| May       | Surplus (+157.0AF) + ID#1 Exch (+57AF) | -          | -         | 214.0   | -     | 214.0   |
| Jun       | Surplus (+43.5AF) + ID#1 Exch (+97AF)  | -          | -         | 140.5   | -     | 140.5   |
| Jul       | ID#1 Exch (+114AF)                     | -          | -         | 114.0   | -     | 114.0   |
| Aug       | ID#1 Exch (+79AF)                      | -          | -         | 79.0    | -     | 79.0    |
| Sep       | -                                      | -          | -         | -       | -     | -       |

| Month | BALANCE - CARRYOVER WATER |            |       | BALANCE - CURR YR ALLOC |            |         |
|-------|---------------------------|------------|-------|-------------------------|------------|---------|
|       | Total                     | Allocation |       | Total                   | Allocation |         |
|       |                           | M & I      | ----- |                         | M & I      | -----   |
| Oct   | 7,838.7                   | 7,838.7    | -     | 8,277.0                 | -          | 8,277.0 |
| Nov   | 7,532.6                   | 7,532.6    | -     | 8,277.0                 | -          | 8,277.0 |
| Dec   | 7,114.7                   | 7,114.7    | -     | 8,277.0                 | -          | 8,277.0 |
| Jan   | 6,899.0                   | 6,899.0    | -     | 8,277.0                 | -          | 8,277.0 |
| Feb   | -                         | -          | -     | 8,277.0                 | -          | 8,277.0 |
| Mar   | -                         | -          | -     | 8,277.0                 | -          | 8,277.0 |
| Apr   | -                         | -          | -     | 8,286.0                 | -          | 8,286.0 |
| May   | -                         | -          | -     | 8,343.0                 | -          | 8,343.0 |
| Jun   | -                         | -          | -     | 8,421.4                 | -          | 8,421.4 |
| Jul   | -                         | -          | -     | 8,418.0                 | -          | 8,418.0 |
| Aug   | -                         | -          | -     | 8,327.3                 | -          | 8,327.3 |
| Sep   | -                         | -          | -     | -                       | -          | -       |

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION)** 8,327.3

**Footnotes**  
 (1) Schedule and Revisions (February 2024) - Includes Surplus Water (+321.9AF) and Carryover Water Spilled (-6,899.0AF)

**SUMMARY OF WATER USED**  
**CACHUMA PROJECT - CONTRACT #175R-1802**

Contract Year: 10/1/23 to: 9/30/24

Contract Entity: **Montecito Water District**  
 Update by COMB 8/31/2024

| Month | Carryover Balance Prior Yr | Approved Allocation Curr Yr |
|-------|----------------------------|-----------------------------|
| Oct   | 2,076.1                    | 2,651.0                     |
| Nov   | -                          | -                           |
| Dec   | -                          | -                           |
| Jan   | -                          | -                           |
| Feb   | -                          | -                           |
| Mar   | -                          | -                           |
| Apr   | -                          | -                           |
| May   | -                          | -                           |
| Jun   | -                          | -                           |
| Jul   | -                          | -                           |
| Aug   | -                          | -                           |
| Sep   | -                          | -                           |
| Total | 2,076.1                    | 2,651.0                     |

| TOTAL WATER USED |      |       | WATER USE CHARGED |       |       | WATER USE CHARGED |      |       |
|------------------|------|-------|-------------------|-------|-------|-------------------|------|-------|
| Acre-feet        |      |       | Allocation        |       |       | Allocation        |      |       |
| M & I            | Agr  | Total | Evap              | Used  | Total | M & I             | Agr  | Total |
| 97.7             | 15.9 | 113.7 | 12.4              | 113.7 | 126.1 | 107.8             | 18.2 | -     |
| 66.9             | 4.7  | 71.6  | 8.1               | 71.6  | 79.7  | 73.4              | 6.3  | -     |
| 22.5             | 1.8  | 24.3  | 4.3               | 24.3  | 28.6  | 26.0              | 2.6  | -     |
| 33.0             | 0.7  | 33.7  | 3.8               | 33.7  | 37.6  | 36.1              | 1.5  | -     |
| -                | -    | -     | 4.4               | -     | 4.4   | 4.3               | 0.1  | -     |
| 36.8             | 0.8  | 37.6  | -                 | -     | -     | -                 | -    | 37.6  |
| -                | -    | -     | -                 | -     | -     | -                 | -    | -     |
| 90.7             | 4.9  | 95.6  | -                 | -     | -     | -                 | -    | 95.6  |
| 119.6            | 8.1  | 127.7 | -                 | -     | -     | -                 | -    | 127.7 |
| 191.5            | 16.5 | 208.0 | -                 | -     | -     | -                 | -    | 208.0 |
| 191.1            | 16.9 | 208.0 | -                 | -     | -     | -                 | -    | 208.0 |
| -                | -    | -     | -                 | -     | -     | -                 | -    | -     |
| 849.9            | 70.4 | 920.3 | 32.9              | 243.4 | 276.3 | 247.6             | 28.6 | 677.0 |

| Month | CONVERSIONS (M&I AND AG SPLIT) |     |                    |     |
|-------|--------------------------------|-----|--------------------|-----|
|       | CARRYOVER WATER                |     | CURR YR ALLOCATION |     |
|       | M & I                          | Agr | M & I              | Agr |
| Oct   | -                              | -   | -                  | -   |
| Nov   | -                              | -   | -                  | -   |
| Dec   | -                              | -   | -                  | -   |
| Jan   | -                              | -   | -                  | -   |
| Feb   | -                              | -   | -                  | -   |
| Mar   | -                              | -   | -                  | -   |
| Apr   | -                              | -   | -                  | -   |
| May   | -                              | -   | -                  | -   |
| Jun   | -                              | -   | -                  | -   |
| Jul   | -                              | -   | -                  | -   |
| Aug   | -                              | -   | -                  | -   |
| Sep   | -                              | -   | -                  | -   |

| Month | SCHEDULE AND REVISIONS |            |     | SCHEDULE AND REVISIONS |      |       |
|-------|------------------------|------------|-----|------------------------|------|-------|
|       | Total                  | Allocation |     | Allocation             |      | Total |
|       |                        | M & I      | Agr | M & I                  | Agr  |       |
| Oct   | -                      | -          | -   | -                      | -    | -     |
| Nov   | -                      | -          | -   | -                      | -    | -     |
| Dec   | -                      | -          | -   | -                      | -    | -     |
| Jan   | -                      | -          | -   | -                      | -    | -     |
| Feb   | -                      | -          | -   | -                      | -    | -     |
| Mar   | -                      | -          | -   | 36.8                   | 0.8  | 37.6  |
| Apr   | -                      | -          | -   | 7.1                    | 1.9  | 9.0   |
| May   | -                      | -          | -   | 127.8                  | 24.8 | 152.6 |
| Jun   | -                      | -          | -   | 138.0                  | 48.4 | 186.4 |
| Jul   | -                      | -          | -   | 62.7                   | 51.3 | 114.0 |
| Aug   | -                      | -          | -   | 16.6                   | 62.4 | 79.0  |
| Sep   | -                      | -          | -   | -                      | -    | -     |

| Month | BALANCE - CARRYOVER WATER |            |       | BALANCE - CURR YR ALLOC |       |         |
|-------|---------------------------|------------|-------|-------------------------|-------|---------|
|       | Total                     | Allocation |       | Allocation              |       | Total   |
|       |                           | M & I      | Agr   | M & I                   | Agr   |         |
| Oct   | 1,950.0                   | 1,582.5    | 367.6 | 2,244.0                 | 407.0 | 2,651.0 |
| Nov   | 1,870.3                   | 1,509.0    | 361.3 | 2,244.0                 | 407.0 | 2,651.0 |
| Dec   | 1,841.8                   | 1,483.1    | 358.7 | 2,244.0                 | 407.0 | 2,651.0 |
| Jan   | 1,804.2                   | 1,447.0    | 357.2 | 2,244.0                 | 407.0 | 2,651.0 |
| Feb   | -                         | -          | -     | 2,244.0                 | 407.0 | 2,651.0 |
| Mar   | -                         | -          | -     | 2,244.0                 | 407.0 | 2,651.0 |
| Apr   | -                         | -          | -     | 2,251.1                 | 408.9 | 2,660.0 |
| May   | -                         | -          | -     | 2,288.2                 | 428.8 | 2,717.0 |
| Jun   | -                         | -          | -     | 2,306.6                 | 469.1 | 2,775.7 |
| Jul   | -                         | -          | -     | 2,177.8                 | 503.9 | 2,681.7 |
| Aug   | -                         | -          | -     | 2,003.3                 | 549.4 | 2,552.7 |
| Sep   | -                         | -          | -     | -                       | -     | -       |

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION)** 2,552.7

**Footnotes**  
 (1) Schedule and Revisions (February 2024) - Includes Surplus Water (+4.4AF) and Carryover Water Spilled (-1,804.2AF)

**SUMMARY OF WATER USED**  
**CACHUMA PROJECT - CONTRACT #175R-1802**

Contract Year: 10/1/23 to: 9/30/24

Contract Entity: **Carpinteria Valley Water District**  
 Update by COMB 8/31/2024

| Month | Carryover Balance Prior Yr | Approved Allocation Curr Yr |
|-------|----------------------------|-----------------------------|
| Oct   | 2,110.2                    | 2,813.0                     |
| Nov   | -                          | -                           |
| Dec   | -                          | -                           |
| Jan   | -                          | -                           |
| Feb   | -                          | -                           |
| Mar   | -                          | -                           |
| Apr   | -                          | -                           |
| May   | -                          | -                           |
| Jun   | -                          | -                           |
| Jul   | -                          | -                           |
| Aug   | -                          | -                           |
| Sep   | -                          | -                           |
| Total | 2,110.2                    | 2,813.0                     |

| TOTAL WATER USED |         |         | WATER USE CHARGED |         |         |       | WATER USE CHARGED |       |       |         |
|------------------|---------|---------|-------------------|---------|---------|-------|-------------------|-------|-------|---------|
| Acre-feet        |         |         | Allocation        |         |         |       | Allocation        |       |       |         |
| M & I            | Agr     | Total   | Evap              | Used    | Total   | M & I | Agr               | M & I | Agr   | Total   |
| 140.9            | 181.6   | 322.5   | 12.0              | 322.5   | 334.4   | 147.1 | 187.3             | -     | -     | -       |
| 130.2            | 158.7   | 288.9   | 6.9               | 288.9   | 295.8   | 133.9 | 161.8             | -     | -     | -       |
| 112.0            | 111.9   | 224.0   | 3.1               | 224.0   | 227.1   | 113.8 | 113.3             | -     | -     | -       |
| 93.6             | 51.6    | 145.2   | 2.5               | 145.2   | 147.7   | 95.0  | 52.7              | -     | -     | -       |
| 66.5             | 33.7    | 100.2   | 2.6               | 100.2   | 102.8   | 67.9  | 34.9              | -     | -     | -       |
| 101.3            | 63.0    | 164.3   | -                 | -       | -       | -     | -                 | 101.3 | 63.0  | 164.3   |
| 100.7            | 58.1    | 158.8   | -                 | -       | -       | -     | -                 | 100.7 | 58.1  | 158.8   |
| 139.4            | 120.3   | 259.7   | -                 | -       | -       | -     | -                 | 139.4 | 120.3 | 259.7   |
| 123.2            | 133.2   | 256.5   | -                 | -       | -       | -     | -                 | 123.2 | 133.2 | 256.5   |
| 65.9             | 78.3    | 144.2   | -                 | -       | -       | -     | -                 | 65.9  | 78.3  | 144.2   |
| 101.9            | 133.1   | 235.0   | -                 | -       | -       | -     | -                 | 101.9 | 133.1 | 235.0   |
| -                | -       | -       | -                 | -       | -       | -     | -                 | -     | -     | -       |
| -                | -       | -       | -                 | -       | -       | -     | -                 | -     | -     | -       |
| 1,175.6          | 1,123.6 | 2,299.2 | 27.0              | 1,080.7 | 1,107.7 | 557.7 | 550.1             | 632.4 | 586.0 | 1,218.4 |

| Month | CONVERSIONS (M&I AND AG SPLIT) |     |                    |     |
|-------|--------------------------------|-----|--------------------|-----|
|       | CARRYOVER WATER                |     | CURR YR ALLOCATION |     |
|       | M & I                          | Agr | M & I              | Agr |
| Oct   | -                              | -   | -                  | -   |
| Nov   | -                              | -   | -                  | -   |
| Dec   | -                              | -   | -                  | -   |
| Jan   | -                              | -   | -                  | -   |
| Feb   | -                              | -   | -                  | -   |
| Mar   | -                              | -   | -                  | -   |
| Apr   | -                              | -   | -                  | -   |
| May   | -                              | -   | -                  | -   |
| Jun   | -                              | -   | -                  | -   |
| Jul   | -                              | -   | -                  | -   |
| Aug   | -                              | -   | -                  | -   |
| Sep   | -                              | -   | -                  | -   |

| Month     | SCHEDULE AND REVISIONS                 |            |         | SCHEDULE AND REVISIONS |         |         |
|-----------|--|------------|---------|------------------------|---------|---------|
|           | Total                                  | Allocation |         | Allocation             |         | Total   |
|           |  | M & I      | Agr     | M & I                  | Agr     |         |
| Begin Bal | 2,110.2                                | 1,103.4    | 1,006.8 | 1,406.5                | 1,406.5 | 2,813.0 |
| Oct       | -                                      | -          | -       | -                      | -       | -       |
| Nov       | -                                      | -          | -       | -                      | -       | -       |
| Dec       | -                                      | -          | -       | -                      | -       | -       |
| Jan       | -                                      | -          | -       | -                      | -       | -       |
| Feb       | Surplus, Spill <sup>(1)</sup>          | (1,002.5)  | (545.7) | (456.7)                | -       | -       |
| Mar       | Surplus (+164.3AF)                     | -          | -       | 101.3                  | 63.0    | 164.3   |
| Apr       | Surplus (+158.8AF) + ID#1 Exch (+6AF)  | -          | -       | 105.4                  | 59.3    | 164.8   |
| May       | Surplus (+259.7AF) + ID#1 Exch (+38AF) | -          | -       | 164.1                  | 133.6   | 297.7   |
| Jun       | Surplus (+179.5AF) + ID#1 Exch (+64AF) | -          | -       | 122.1                  | 121.4   | 243.5   |
| Jul       | ID#1 Exch (+75AF)                      | -          | -       | 41.3                   | 33.8    | 75.0    |
| Aug       | ID#1 Exch (+52AF)                      | -          | -       | 10.9                   | 41.1    | 52.0    |
| Sep       | -                                      | -          | -       | -                      | -       | -       |

| Month | BALANCE - CARRYOVER WATER |            |       | BALANCE - CURR YR ALLOC |         |         |
|-------|---------------------------|------------|-------|-------------------------|---------|---------|
|       | Total                     | Allocation |       | Allocation              |         | Total   |
|       |                           | M & I      | Agr   | M & I                   | Agr     |         |
| Oct   | 1,775.8                   | 956.3      | 819.5 | 1,406.5                 | 1,406.5 | 2,813.0 |
| Nov   | 1,480.0                   | 822.4      | 657.7 | 1,406.5                 | 1,406.5 | 2,813.0 |
| Dec   | 1,252.9                   | 708.6      | 544.3 | 1,406.5                 | 1,406.5 | 2,813.0 |
| Jan   | 1,105.2                   | 613.6      | 491.6 | 1,406.5                 | 1,406.5 | 2,813.0 |
| Feb   | -                         | -          | -     | 1,406.5                 | 1,406.5 | 2,813.0 |
| Mar   | -                         | -          | -     | 1,406.5                 | 1,406.5 | 2,813.0 |
| Apr   | -                         | -          | -     | 1,411.2                 | 1,407.8 | 2,819.0 |
| May   | -                         | -          | -     | 1,435.9                 | 1,421.1 | 2,857.0 |
| Jun   | -                         | -          | -     | 1,434.8                 | 1,409.2 | 2,844.1 |
| Jul   | -                         | -          | -     | 1,410.2                 | 1,364.7 | 2,774.8 |
| Aug   | -                         | -          | -     | 1,319.2                 | 1,272.7 | 2,591.9 |
| Sep   | -                         | -          | -     | -                       | -       | -       |

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION)** 2,591.9

**Footnotes**  
 (1) Schedule and Revisions (February 2024) - Includes Surplus Water (+102.8AF) and Carryover Water Spilled (-1,105.2AF)

**SUMMARY OF WATER USED**  
**CACHUMA PROJECT - CONTRACT #175R-1802**

Contract Year: 10/1/23 to: 9/30/24

Contract Entity: **Santa Ynez River Water Conservation District, ID#1**  
 Update by COMB 8/31/2024

| Month | Carryover Balance Prior Yr | Approved Allocation Curr Yr |
|-------|----------------------------|-----------------------------|
| Oct   | 2,155.3                    | 2,651.0                     |
| Nov   | -                          | -                           |
| Dec   | -                          | -                           |
| Jan   | -                          | -                           |
| Feb   | -                          | -                           |
| Mar   | -                          | -                           |
| Apr   | -                          | -                           |
| May   | -                          | -                           |
| Jun   | -                          | -                           |
| Jul   | -                          | -                           |
| Aug   | -                          | -                           |
| Sep   | -                          | -                           |
| Total | 2,155.3                    | 2,651.0                     |

| TOTAL WATER USED |     |       | WATER USE CHARGED |      |       |       | WATER USE CHARGED |       |     |       |
|------------------|-----|-------|-------------------|------|-------|-------|-------------------|-------|-----|-------|
| Acre-feet        |     |       | Allocation        |      |       |       | Allocation        |       |     |       |
| M & I            | Agr | Total | Evap              | Used | Total | M & I | Agr               | M & I | Agr | Total |
| 1.3              | -   | 1.3   | 13.2              | 1.3  | 14.5  | 8.1   | 6.4               | -     | -   | -     |
| 1.3              | -   | 1.3   | 9.0               | 1.3  | 10.3  | 5.9   | 4.4               | -     | -   | -     |
| 0.9              | -   | 0.9   | 4.9               | 0.9  | 5.8   | 3.4   | 2.4               | -     | -   | -     |
| 1.0              | -   | 1.0   | 4.4               | 1.0  | 5.5   | 3.3   | 2.2               | -     | -   | -     |
| 1.5              | -   | 1.5   | 5.1               | 1.5  | 6.7   | 4.2   | 2.5               | -     | -   | -     |
| 1.4              | -   | 1.4   | -                 | -    | -     | -     | -                 | 1.4   | -   | 1.4   |
| 1.3              | -   | 1.3   | -                 | -    | -     | -     | -                 | 1.3   | -   | 1.3   |
| 1.9              | -   | 1.9   | -                 | -    | -     | -     | -                 | 1.9   | -   | 1.9   |
| 2.0              | -   | 2.0   | -                 | -    | -     | -     | -                 | 2.0   | -   | 2.0   |
| 2.7              | -   | 2.7   | -                 | -    | -     | -     | -                 | 2.7   | -   | 2.7   |
| 2.7              | -   | 2.7   | -                 | -    | -     | -     | -                 | 2.7   | -   | 2.7   |
| -                | -   | -     | -                 | -    | -     | -     | -                 | -     | -   | -     |
| -                | -   | -     | -                 | -    | -     | -     | -                 | -     | -   | -     |
| 18.1             | -   | 18.1  | 36.7              | 6.1  | 42.8  | 24.9  | 17.9              | 12.0  | -   | 12.0  |

| Month | CONVERSIONS (M&I AND AG SPLIT) |     |                    |     |
|-------|--------------------------------|-----|--------------------|-----|
|       | CARRYOVER WATER                |     | CURR YR ALLOCATION |     |
|       | M & I                          | Agr | M & I              | Agr |
| Oct   | -                              | -   | -                  | -   |
| Nov   | -                              | -   | -                  | -   |
| Dec   | -                              | -   | -                  | -   |
| Jan   | -                              | -   | -                  | -   |
| Feb   | -                              | -   | -                  | -   |
| Mar   | -                              | -   | -                  | -   |
| Apr   | -                              | -   | -                  | -   |
| May   | -                              | -   | -                  | -   |
| Jun   | -                              | -   | -                  | -   |
| Jul   | -                              | -   | -                  | -   |
| Aug   | -                              | -   | -                  | -   |
| Sep   | -                              | -   | -                  | -   |

| Month     | SCHEDULE AND REVISIONS                  |            |           | SCHEDULE AND REVISIONS |         |         |
|-----------|---|------------|-----------|------------------------|---------|---------|
|           | Total                                   | Allocation |           | Allocation             |         | Total   |
|           |   | M & I      | Agr       | M & I                  | Agr     |         |
| Begin Bal | 2,155.3                                 | 1,105.6    | 1,049.7   | 935.0                  | 1,716.0 | 2,651.0 |
| Oct       | -                                       | -          | -         | -                      | -       | -       |
| Nov       | -                                       | -          | -         | -                      | -       | -       |
| Dec       | -                                       | -          | -         | -                      | -       | -       |
| Jan       | -                                       | -          | -         | -                      | -       | -       |
| Feb       | Surplus, Spill <sup>(1)</sup>           | (2,112.5)  | (1,080.7) | (1,031.8)              | -       | -       |
| Mar       | Surplus (+1.4AF)                        | -          | -         | 1.4                    | -       | 1.4     |
| Apr       | Surplus (+38.3AF) + ID#1 Exch (-37AF)   | -          | -         | 1.3                    | -       | 1.3     |
| May       | Surplus (+238.9AF) + ID#1 Exch (-237AF) | -          | -         | 1.9                    | -       | 1.9     |
| Jun       | Surplus (+283.5AF) + ID#1 Exch (-403AF) | -          | -         | (66.3)                 | (53.2)  | (119.5) |
| Jul       | ID#1 Exch (-473AF)                      | -          | -         | (260.2)                | (212.9) | (473.0) |
| Aug       | ID#1 Exch (-328AF)                      | -          | -         | (68.9)                 | (259.1) | (328.0) |
| Sep       | -                                       | -          | -         | -                      | -       | -       |

| Month | BALANCE - CARRYOVER WATER |         |            | BALANCE - CURR YR ALLOC |            |         |         |
|-------|---------------------------|---------|------------|-------------------------|------------|---------|---------|
|       | County Parks Usage (AF)   | Total   | Allocation |                         | Allocation |         | Total   |
|       |                           |         | M & I      | Agr                     | M & I      | Agr     |         |
| Oct   | 1.3                       | 2,140.8 | 1,097.5    | 1,043.3                 | 935.0      | 1,716.0 | 2,651.0 |
| Nov   | 1.3                       | 2,130.4 | 1,091.6    | 1,038.9                 | 935.0      | 1,716.0 | 2,651.0 |
| Dec   | 0.9                       | 2,124.7 | 1,088.2    | 1,036.5                 | 935.0      | 1,716.0 | 2,651.0 |
| Jan   | 1.0                       | 2,119.2 | 1,084.9    | 1,034.3                 | 935.0      | 1,716.0 | 2,651.0 |
| Feb   | 1.5                       | -       | -          | -                       | 935.0      | 1,716.0 | 2,651.0 |
| Mar   | 1.4                       | -       | -          | -                       | 935.0      | 1,716.0 | 2,651.0 |
| Apr   | 1.3                       | -       | -          | -                       | 935.0      | 1,716.0 | 2,651.0 |
| May   | 1.9                       | -       | -          | -                       | 935.0      | 1,716.0 | 2,651.0 |
| Jun   | 2.0                       | -       | -          | -                       | 866.7      | 1,662.8 | 2,529.5 |
| Jul   | 2.7                       | -       | -          | -                       | 603.8      | 1,450.0 | 2,053.8 |
| Aug   | 2.7                       | -       | -          | -                       | 532.3      | 1,190.8 | 1,723.1 |
| Sep   | -                         | -       | -          | -                       | -          | -       | -       |

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION)** 1,723.1

**Footnotes**  
 (1) Schedule and Revisions (February 2024) - Includes Surplus Water (+6.7AF) and Carryover Water Spilled (-2,119.2AF)



**SUMMARY OF WATER USED**  
**CACHUMA PROJECT - CONTRACT #175R-1802**

Contract Year: 10/1/23 to: 9/30/24

Contract Entity: **Santa Barbara Co. Water Agency**  
 Update by COMB 8/31/2024

| Month | Carryover Balance Prior Yr | Approved Allocation Curr Yr | TOTAL WATER USED |          |         |          | CARRYOVER WATER   |         |         |            |         | CURRENT YEAR ALLOCATION |         |         |
|-------|----------------------------|-----------------------------|------------------|----------|---------|----------|-------------------|---------|---------|------------|---------|-------------------------|---------|---------|
|       |                            |                             | Acre-feet        |          |         |          | WATER USE CHARGED |         |         |            |         | WATER USE CHARGED       |         |         |
|       |                            |                             | Use %            | M & I    | Agr     | Total    | Evap              | Div     | Total   | Allocation |         | Allocation              |         | Total   |
| Oct   | 20,788.6                   | 25,714.0                    | 0.0              | 1,041.6  | 442.3   | 1,483.9  | 123.0             | 1,483.9 | 1,606.9 | 1,135.2    | 471.7   | -                       | -       | -       |
| Nov   | -                          | -                           | 0.0              | 1,114.4  | 348.4   | 1,462.8  | 77.7              | 1,462.8 | 1,540.5 | 1,173.7    | 366.8   | -                       | -       | -       |
| Dec   | -                          | -                           | 0.0              | 1,085.5  | 250.5   | 1,336.0  | 38.9              | 1,336.0 | 1,375.0 | 1,115.1    | 259.8   | -                       | -       | -       |
| Jan   | -                          | -                           | 0.0              | 915.4    | 80.0    | 995.4    | 33.0              | 995.4   | 1,028.4 | 940.4      | 87.9    | -                       | -       | -       |
| Feb   | -                          | -                           | 0.0              | 851.7    | 64.7    | 916.4    | 35.8              | 916.4   | 952.2   | 879.2      | 73.0    | -                       | -       | -       |
| Mar   | -                          | -                           | 0.0              | 977.6    | 86.1    | 1,063.7  | -                 | -       | -       | -          | -       | 977.6                   | 86.1    | 1,063.7 |
| Apr   | -                          | -                           | 0.0              | 890.3    | 93.7    | 983.9    | -                 | -       | -       | -          | -       | 890.3                   | 93.7    | 983.9   |
| May   | -                          | -                           | 0.0              | 1,210.2  | 281.0   | 1,491.2  | -                 | -       | -       | -          | -       | 1,210.2                 | 281.0   | 1,491.2 |
| Jun   | -                          | -                           | 0.0              | 1,193.9  | 377.2   | 1,571.1  | -                 | -       | -       | -          | -       | 1,193.9                 | 377.2   | 1,571.1 |
| Jul   | -                          | -                           | 0.0              | 1,284.2  | 305.3   | 1,589.4  | -                 | -       | -       | -          | -       | 1,284.2                 | 305.3   | 1,589.4 |
| Aug   | -                          | -                           | 0.0              | 1,314.0  | 435.5   | 1,749.5  | -                 | -       | -       | -          | -       | 1,314.0                 | 435.5   | 1,749.5 |
| Sep   | -                          | -                           | -                | -        | -       | -        | -                 | -       | -       | -          | -       | -                       | -       | -       |
| Total | 20,788.6                   | 25,714.0                    | 0.3              | 11,878.7 | 2,764.6 | 14,643.3 | 308.4             | 6,194.5 | 6,502.9 | 5,243.6    | 1,259.3 | 6,870.1                 | 1,578.7 | 8,448.8 |

| Month | CONVERSIONS (M&I AND AG SPLIT) |     |                    |     |
|-------|--------------------------------|-----|--------------------|-----|
|       | CARRYOVER WATER                |     | CURR YR ALLOCATION |     |
|       | M & I                          | Agr | M & I              | Agr |
| Oct   | -                              | -   | -                  | -   |
| Nov   | -                              | -   | -                  | -   |
| Dec   | -                              | -   | -                  | -   |
| Jan   | -                              | -   | -                  | -   |
| Feb   | -                              | -   | -                  | -   |
| Mar   | -                              | -   | -                  | -   |
| Apr   | -                              | -   | -                  | -   |
| May   | -                              | -   | -                  | -   |
| Jun   | -                              | -   | -                  | -   |
| Jul   | -                              | -   | -                  | -   |
| Aug   | -                              | -   | -                  | -   |
| Sep   | -                              | -   | -                  | -   |

| Month     | SCHEDULE AND REVISIONS               |            |            | SCHEDULE AND REVISIONS |         |          |
|-----------|--------------------------------------|------------|------------|------------------------|---------|----------|
|           | Total                                | Allocation |            | Allocation             |         | Total    |
|           |                                      | M & I      | Agr        | M & I                  | Agr     |          |
| Begin Bal | 20,788.6                             | 15,692.8   | 5,095.8    | 19,506.5               | 6,207.5 | 25,714.0 |
| Oct       | -                                    | -          | -          | -                      | -       | -        |
| Nov       | -                                    | -          | -          | -                      | -       | -        |
| Dec       | -                                    | -          | -          | -                      | -       | -        |
| Jan       | -                                    | -          | -          | -                      | -       | -        |
| Feb       | Surplus, Spill <sup>(1)</sup>        | (14,285.7) | (10,449.2) | (3,836.5)              | -       | -        |
| Mar       | Surplus (+1,063.7AF)                 | -          | -          | -                      | 977.6   | 86.1     |
| Apr       | Surplus, Bishop Ranch <sup>(2)</sup> | -          | -          | -                      | 1,021.4 | 99.5     |
| May       | Surplus (+1,728.2AF)                 | -          | -          | -                      | 1,384.2 | 344.0    |
| Jun       | Surplus (+1,381.9AF)                 | -          | -          | -                      | 1,036.4 | 345.5    |
| Jul       | -                                    | -          | -          | -                      | 51.3    | (51.3)   |
| Aug       | -                                    | -          | -          | -                      | 62.4    | (62.4)   |
| Sep       | -                                    | -          | -          | -                      | -       | -        |

| Month | BALANCE - CARRYOVER WATER |          |            | BALANCE - CURR YR ALLOC |            |         |          |
|-------|---------------------------|----------|------------|-------------------------|------------|---------|----------|
|       | County Parks Usage (AF)   | Total    | Allocation |                         | Allocation |         | Total    |
|       |                           |          | M & I      | Agr                     | M & I      | Agr     |          |
| Oct   | 1.3                       | 19,181.7 | 14,557.6   | 4,624.1                 | 19,506.5   | 6,207.5 | 25,714.0 |
| Nov   | 1.3                       | 17,641.2 | 13,384.0   | 4,257.2                 | 19,506.5   | 6,207.5 | 25,714.0 |
| Dec   | 0.9                       | 16,266.2 | 12,268.8   | 3,997.4                 | 19,506.5   | 6,207.5 | 25,714.0 |
| Jan   | 1.0                       | 15,237.8 | 11,328.4   | 3,909.5                 | 19,506.5   | 6,207.5 | 25,714.0 |
| Feb   | 1.5                       | -        | -          | -                       | 19,506.5   | 6,207.5 | 25,714.0 |
| Mar   | 1.4                       | -        | -          | -                       | 19,506.5   | 6,207.5 | 25,714.0 |
| Apr   | 1.3                       | -        | -          | -                       | 19,637.6   | 6,213.4 | 25,851.0 |
| May   | 1.9                       | -        | -          | -                       | 19,811.6   | 6,276.4 | 26,088.0 |
| Jun   | 2.0                       | -        | -          | -                       | 19,654.1   | 6,244.7 | 25,898.8 |
| Jul   | 2.7                       | -        | -          | -                       | 18,421.2   | 5,888.1 | 24,309.3 |
| Aug   | 2.7                       | -        | -          | -                       | 17,169.6   | 5,390.2 | 22,559.9 |
| Sep   | -                         | -        | -          | -                       | -          | -       | -        |

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION)** 22,559.9

**Footnotes**  
 (1) Schedule and Revisions (February 2024) - Includes Surplus Water (+952.2AF) and Carryover Water Spilled (-15,237.8AF)  
 (2) Schedule and Revisions (April 2024) - Includes Surplus Water (+1,020.9AF) and Bishop Ranch Exchange (+100AF)



September 2024

| Day <sup>1</sup> | Lake Cachuma |                      |                   |              | Rainfall |           | Evaporation <sup>3</sup> |               | CCWA Inflow   | Release   |                 |               |           |                     | Computed Inflow <sup>5</sup> |               |
|------------------|--------------|----------------------|-------------------|--------------|----------|-----------|--------------------------|---------------|---------------|-----------|-----------------|---------------|-----------|---------------------|------------------------------|---------------|
|                  | Elevation    | Storage <sup>2</sup> | Change in Storage | Surface Area |          |           |                          |               |               | Park Use  | Tunnel          | Hilton Creek  | WR 89-18  | Outlet <sup>4</sup> |                              | Spillway      |
| SHEF Tag→        | HL           | LS                   | LC                |              | PP       | PPAF      | EV                       | EVAF          | QICWA         |           | QUTEC           | QUHIL         | QUWATR    | QU                  | QS                           | QI            |
|                  | ft           | acre-feet            | acre-feet         | acres        | inches   | acre-feet | inches                   | acre-feet     | acre-feet     | acre-feet | acre-feet       | acre-feet     | acre-feet | acre-feet           | acre-feet                    | acre-feet     |
| 31               | 750.38       | 184,907              |                   |              |          |           |                          |               |               |           |                 |               |           |                     |                              |               |
| 1                | 750.32       | 184,725              | (182.6)           | 3,037.2      | -        | -         | 0.110                    | 21.16         | -             | -         | 51.48           | 13.87         | -         | 54.00               | -                            | (42.08)       |
| 2                | 750.30       | 184,664              | (60.9)            | 3,036.6      | -        | -         | 0.320                    | 61.54         | -             | -         | 47.21           | 13.81         | -         | 54.00               | -                            | 115.70        |
| 3                | 750.25       | 184,512              | (152.2)           | 3,034.9      | -        | -         | 0.230                    | 44.21         | -             | -         | 50.67           | 13.81         | -         | 54.00               | -                            | 10.52         |
| 4                | 750.21       | 184,390              | (121.7)           | 3,033.5      | -        | -         | 0.260                    | 49.95         | 21.66         | -         | 57.52           | 13.81         | -         | 53.00               | -                            | 30.89         |
| 5                | 750.17       | 184,268              | (121.7)           | 3,032.2      | -        | -         | 0.320                    | 61.45         | 22.93         | -         | 59.21           | 13.79         | -         | 54.00               | -                            | 43.79         |
| 6                | 750.14       | 184,177              | (91.3)            | 3,031.2      | -        | -         | 0.350                    | 67.19         | 22.92         | -         | 65.02           | 13.81         | -         | 54.00               | -                            | 85.80         |
| 7                | 750.09       | 184,025              | (152.2)           | 3,029.5      | -        | -         | 0.330                    | 63.32         | 22.93         | -         | 73.32           | 13.79         | -         | 53.00               | -                            | 28.33         |
| 8                | 750.04       | 183,873              | (152.2)           | 3,027.9      | -        | -         | 0.330                    | 63.28         | -             | -         | 73.32           | 13.80         | -         | 54.00               | -                            | 52.24         |
| 9                | 749.99       | 183,721              | (151.8)           | 3,026.1      | -        | -         | 0.300                    | 57.50         | -             | -         | 62.30           | 13.77         | -         | 53.00               | -                            | 34.76         |
| 10               | 749.94       | 183,570              | (150.4)           | 3,024.3      | -        | -         | 0.280                    | 53.63         | 9.56          | -         | 60.14           | 13.79         | -         | 54.00               | -                            | 21.59         |
| 11               | 749.88       | 183,390              | (180.5)           | 3,022.1      | -        | -         | 0.210                    | 40.19         | -             | -         | 61.44           | 13.76         | -         | 54.00               | -                            | (11.09)       |
| 12               | 749.83       | 183,239              | (150.4)           | 3,020.3      | -        | -         | 0.200                    | 38.26         | -             | -         | 59.91           | 13.76         | -         | 53.00               | -                            | 14.52         |
| 13               | 749.78       | 183,089              | (150.4)           | 3,018.4      | -        | -         | 0.170                    | 32.50         | -             | -         | 60.59           | 13.75         | -         | 54.00               | -                            | 10.43         |
| 14               | 749.73       | 182,939              | (150.4)           | 3,016.6      | -        | -         | 0.210                    | 40.12         | -             | -         | 60.59           | 13.73         | -         | 53.00               | -                            | 17.03         |
| 15               | 749.67       | 182,758              | (180.5)           | 3,014.4      | -        | -         | 0.180                    | 34.36         | -             | -         | 63.61           | 13.77         | -         | 54.00               | -                            | (14.75)       |
| 16               | 749.62       | 182,608              | (150.4)           | 3,012.6      | -        | -         | 0.130                    | 24.80         | -             | -         | 45.49           | 13.73         | -         | 53.00               | -                            | (13.39)       |
| 17               | 749.56       | 182,427              | (180.5)           | 3,010.4      | -        | -         | 0.200                    | 38.13         | -             | -         | 52.68           | 13.70         | -         | 54.00               | -                            | (21.98)       |
| 18               | 749.51       | 182,277              | (150.4)           | 3,008.6      | -        | -         | 0.170                    | 32.39         | -             | -         | 52.92           | 13.72         | -         | 53.00               | -                            | 1.62          |
| 19               | 749.45       | 182,096              | (180.5)           | 3,006.4      | -        | -         | 0.170                    | 32.37         | -             | -         | 56.22           | 13.72         | -         | 54.00               | -                            | (24.18)       |
| <b>Total</b>     |              |                      | <b>(2,810.94)</b> |              | -        | -         | <b>4.470</b>             | <b>856.36</b> | <b>100.00</b> | -         | <b>1,113.62</b> | <b>261.69</b> | -         | <b>1,019.00</b>     | -                            | <b>339.74</b> |
| <b>Minimum</b>   | 749.45       | 182,096              | (182.60)          | 3,006.35     | -        | -         | 0.110                    | 21.16         | -             | -         | 45.49           | 13.70         | -         | 53.00               | -                            | (42.08)       |
| <b>Average</b>   | 749.92       | 183,513              | (147.94)          | 3,023.33     | -        | -         | 0.235                    | 45.07         | 5.26          | -         | 58.61           | 13.77         | -         | 53.63               | -                            | 17.88         |
| <b>Maximum</b>   | 750.32       | 184,725              | (60.87)           | 3,037.23     | -        | -         | 0.350                    | 67.19         | 22.93         | -         | 73.32           | 13.87         | -         | 54.00               | -                            | 115.70        |

Comments

1. Data based on 24-hour period ending 0800
2. Storage volume based on 2021 bathymetric survey.
3. Evaporation in inches is the measured pan evaporation. Calculated evaporation in acre feet uses the September pan factor 76%
4. Indicated outlet release includes any leakage around gates.
5. Computed inflow is the sum of change in storage, releases, and evaporation minus precip on the reservoir surface and CCWA inflow.



**Santa Barbara County Parks Division,  
Cachuma Lake Recreation Area  
Summary of Aquatic Invasive Species Vessel Inspection Program  
and Early Detection Monitoring Program: August 2024**



| <b>Cachuma Lake Recreation Area<br/>Launch Data – August 2024</b> |     |     |
|---|-----|-----|
| <b>Inspection Data</b>  |     |     |
| Total Vessels Entering Park                                       | 595 |     |
| Total Vessels Launched  | 572 |     |
| Total Vessels Quarantined   | 23  |     |
| Returning (Tagged) Boats Launched                                 | 462 | 81% |
| Kayak/Canoe: Inspected, launched                                  | 110 | 19% |
| 4-stroke Engines  | *   |     |
| 2-strokes, w/CARB star ratings                                    | *   |     |
| 2-strokes, NO emissions ratings                                   | *   |     |
| <b>Quarantine Data</b>  |     |     |
| Total Vessels Quarantined   | 23  |     |
| Quarantined 14 days   | *   |     |
| Quarantined 30 days   | 23  |     |
| <b>Quarantine Cause</b>   |     |     |
| Water on vessel*  | *   |     |
| Debris on hull*   | *   |     |
| Plug installed*   | *   |     |
| From infected county  | 1   |     |
| Ballast tanks*  | *   |     |
| Boat longer than 24 feet*   | *   |     |
| Out-of-state  | 0   |     |
| Unspecified*  | *   |     |
| Mandatory Quarantine All Untagged Boats                           | 23  |     |
| <b>Demographic Data</b>   |     |     |
| Quarantined from infected county                                  | 1   |     |
| Quarantined from SB County  | 21  |     |
| Quarantined from uninfected co                                    | 1   |     |

Boat Launch Tags: Boats with Cachuma Lake Boat Launch Tags attach boat to trailer.

No mussel species have been located on any vessel entering Cachuma Lake as of the last day of this month.

\* These conditions are no longer being tracked.

**EARLY DETECTION MONITORING PROGRAM SUMMARY**

Summary: No Dreissenid Mussels were detected, nor Aquatic Invasive Species of any kind.

Inspection Site: Cachuma Lake Reservoir, Santa Barbara County, California.

Plankton Tow Inspection Dates: 2024.08.15, 2024.08.29

Artificial Substrate & Surface Survey Date: 2024.08.29, 2024.08.29

Method: 4 Artificial Substrate Stations; 24 meters /78.74 linear feet of line as well as ramp, dock, anchor, etc.

Surveyors: COSB, Parks Division – JP Sekulich, Brooke Murphy

Lake elevation: Max feet: 753.00, current 750.47; Max acre-feet: 192,978, current: 185,150;

Capacity: 96% At of the end of the survey month.