



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

**Monday, November 18, 2024  
1:00 P.M.**

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**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/85865570203?pwd=wAzngTtJ0OSd18mkeyL5hDyZa69CKl.1>

**Passcode: 123705**

**Join via Teleconference**

**US +1 669 900 6833    Webinar ID: 858 6557 0203    Passcode: 123705**

**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.

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

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**Monday, November 18, 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 September 23, 2024 Regular Board Meeting
  - b. Investment of Funds
    - Financial Reports
    - Investment Reports
  - c. Review of Paid Claims
- 4. FINANCIAL REVIEW – 1<sup>ST</sup> QUARTER FISCAL YEAR 2024-25**  
Action: Receive and file information on the 1<sup>st</sup> Quarter Fiscal Year 2024-25 Financial Review
- 5. LATERAL ISOLATION VALVE REPLACEMENT (LIVR) PROJECT**  
Receive information on the completion of the Carpinteria Reach LIVR Project
- 6. HABITAT ENHANCEMENT PROJECTS COMPLETION**  
Receive information on the Quiota Creek and El Jaro Creek Habitat Enhancement Projects
- 7. GENERAL MANAGER REPORT**  
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
  - Administration
  - Personnel
  - U.S. Bureau of Reclamation
- 8. ENGINEER'S REPORT**  
Receive information from the COMB Engineer, including but not limited to, the following:
  - Climate Conditions
  - Lake Elevation
  - Winter Storm Damage and Repairs
  - Infrastructure Improvement Projects Update

9. **OPERATIONS DIVISION REPORT**  
Receive information regarding the Operations Division, including but not limited to, the following:
  - Lake Cachuma Operations
  - Operation and Maintenance Activities
  
10. **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
  
11. **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
  
12. **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
  
13. **DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING**
  
14. **MEETING SCHEDULE**
  - **Regular Board Meeting – December 16, 2024 at 1:00 PM**
  - **Board Packages available on COMB website [www.cachuma-board.org](http://www.cachuma-board.org)**
  
15. **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.



**MINUTES OF 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**

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**MINUTES**

**1. CALL TO ORDER, ROLL CALL 1:03 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	Elijah Papen, Water Resources Analyst
Edward Lyons, Administrative Manager / CFO	Rosey Bishop, Administrative Assistant II
Joel Degner, Engineer/Operations Division Mgr.	Scott Volan, Project Biologist
Shane King, Ops Supervisor/Chief Distribution Operator	Dorothy Turner, Administrative Assistant II

**Others Present:**

Dakota Corey, City of Santa Barbara	Nicholas Turner, Montecito Water District
Matthew Scrudato, County of SB Water Agency	Matt Young, County of SB Water Agency

**2. PUBLIC COMMENT**

There was no public comment.

**3. CONSENT AGENDA**

- a. Minutes of August 26, 2024 Regular Board Meeting
- b. Investment of Funds
  - Financial Reports
  - Investment Reports
- c. Review of Paid Claims

Ms. Gingras introduced the Consent Agenda items and asked Mr. Lyons for his comments on the financial statements. Mr. Lyons reviewed the Paid Claims report, highlighting several items of note, including payments to California Surveying & Drafting Supply, Storrer Environmental Services, Van Sande Structural Consultants and Total Compensation Systems. As there were no questions, President Holcombe requested a motion.

Director Hayman motioned to approve the Consent Agenda items 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:**

**4. VERBAL REPORTS FROM BOARD COMMITTEES**

- Fisheries Committee Meeting – September 12, 2024

Director Hanson summarized the Fisheries Committee meeting and noted that the action item is next on this agenda with the committee's recommendation to approve.

**5. FISH PASSAGE ENHANCEMENT PROJECT – EL JARO CREEK, RANCHO SAN JULIAN**

Ms. Gingras introduced Mr. Volan who provided a brief history of the San Julian fishway. Additionally, he gave a presentation of the project site in its original and present condition and pointed out the areas that are in need of remediation part of which the current change order is intended to address. A discussion followed with questions from the Board.

Director Hayman provided a motion to approve the change order to the project and the agreed upon funding option. Director Hanson seconded the motion which passed with a vote of six in favor.

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

**Nays:**

**Absent:**

**Abstain:**

**6. GENERAL MANAGER REPORT**

- Administration
- U.S. Bureau of Reclamation

Ms. Gingras advised that COMB had received the water rates worksheets and subsequently billed the Cachuma Project Member Units for their prorata shares. As well she reported that staff had participated in a Value Planning workshop hosted by Reclamation concerning fish passage above Bradbury Dam. Ms. Gingras fielded questions from the Board. She touched briefly on COMB's purchase of the chassis for the new crane truck and summarized the cooperative efforts between COMB and Reclamation as Reclamation begins to reduce water releases incrementally.

**7. ENGINEER'S REPORT**

- Climate Conditions
- Lake Elevation
- Lake Water Quality
- Carpinteria LIVR Project
- Winter Storm Damage and Repairs
- Infrastructure Improvement Projects Update

Mr. Degner initiated his report by providing current reservoir data. He noted that Cachuma remains nearly full and that water quality is very good. He advised that Phase II of the lower reach project has made good progress with only two laterals remaining to be rehabilitated. With regard to FEMA reimbursements for the 2023 storms, Mr. Degner reported that COMB is awaiting final obligations, after

which staff can apply for reimbursement of administrative costs. Finally, he added that the debris removal project at the Lauro Debris Basin would begin within the week. He fielded questions from the Board.

## 8. OPERATIONS DIVISION REPORT

- Operation and Maintenance Activities

Mr. King presented the Operations report, noting that staff was very busy monitoring and supporting the lower reach lateral project. He advised that Aspect Engineering completed enhancements to the North Portal backup generator that will provide valuable data not previously available. Finally, Mr. King reported the purchase of a new radar-based level transducer which does not require immersion. The unit will be tested at the Carpinteria Reservoir, and if it performs successfully within a closed reservoir, COMB will consider replacing all of its transmitters with this new technology.

## 9. FISHERIES DIVISION REPORT

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

Mr. Volan provided the Fisheries report and noted that target flows remain higher than required, however, Reclamation will begin to reduce releases as reported by the General Manager. He reported that staff will conduct stranding surveys as releases begin to recede. Tributary Enhancement projects are proceeding and the 2024 Annual Monitoring Summary is already under way.

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

- Maintenance and Monitoring
- End of Program Plan

Mr. Volan reported that the oak trees are thriving although staff continues to monitor the inundated trees. Younger trees are being irrigated.

## 11. MONTHLY CACHUMA PROJECT REPORTS

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

Ms. Gingras advised that the water reports were routine with nothing of note to report. The September reports will complete the current water year.

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

There were no requests for future agenda items.

## 13. MEETING SCHEDULE

- **CANCELLED** Regular Board Meeting – October 28, 2024 at 1:00 PM
- Regular Board Meeting – November 18, 2024 at 1:00 PM
- Board Packages available on COMB website [www.cachuma-board.org](http://www.cachuma-board.org)

**15. COMB ADJOURNMENT**

There being no further business, the meeting was adjourned at 2:24 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 October 31, 2024  
UNAUDITED FINANCIALS

October 31, 2024

### ASSETS

#### Current Assets

##### Checking/Savings

##### Trust Funds

1210 · Warren Act Trust Fund

\$ 75,849.28

1220 · Renewal Fund

355,434.43

##### Total Trust Funds

\$ 431,283.71

1050 · General Fund

553,467.72

1100 · Revolving Fund

307,606.99

##### Total Checking/Savings

1,292,358.42

##### Accounts Receivable

1301 · Accounts Receivable

1,570.00

##### Total Accounts Receivable

1,570.00

##### Other Current Assets

1200 · LAIF

2,363,015.64

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

2,649,573.76

##### Total Current Assets

3,943,502.18

#### 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

9,209,556.69

1550 · Accumulated Depreciation

(2,235,422.83)

##### Total Fixed Assets

9,174,835.98

#### 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)

1,124,425.00

1923 · Deferred Outflow (GASB 75)

543,969.00

##### Total Other Assets

5,676,086.51

### TOTAL ASSETS

**\$ 18,794,424.67**

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

As of October 31, 2024  
UNAUDITED FINANCIALS

October 31, 2024

**LIABILITIES & NET POSITION**

**Liabilities**

**Current Liabilities**

**Accounts Payable**

2200 · Accounts Payable \$ 83,840.66

**Total Accounts Payable** 83,840.66

**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 431,283.71

2594 · Deferred Revenue - Assessments 923,425.44

**Total Other Current Liabilities** 2,012,957.11

**Total Current Liabilities** 2,096,797.77

**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 3,185,182.00

2610 · Net Pension Liability (GASB 68) 2,705,584.00

2611 · Deferred Inflow of Resources (GASB 68) 67,850.00

2612 · Deferred Inflow of Resources (GASB 75) 1,104,764.00

**Total Long Term Liabilities** 11,071,062.51

**Total Liabilities** 13,167,860.28

**Net Position**

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

3901 · Retained Net Assets 9,618,771.58

**Net Surplus / Deficit** 1,304,372.86

**Total Net Position** 5,626,564.39

**TOTAL LIABILITIES & NET POSITION** **\$ 18,794,424.67**

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

	Fisheries				Operations				TOTAL			
	Jul - Oct 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Oct 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Oct 24	Budget	\$ Over / (Under) Budget	% of Budget
<b>Revenue</b>												
<b>3000 REVENUE</b>												
3001 · O&M Budget (Qtrly Assessments)	\$ 766,308.00	\$ 1,499,436.00	\$ (733,128.00)	51.11%	\$ 2,398,398.00	\$ 4,804,900.00	\$ (2,406,502.00)	49.92%	\$ 3,164,706.00	\$ 6,304,336.00	\$ (3,139,630.00)	50.2%
3006 · Warren Act	5,000.00	17,286.00	-12,286.00	28.93%	0.00				5,000.00	17,286.00	-12,286.00	28.93%
3007 · Renewal Fund	13,014.83	342,286.00	-329,271.17	3.8%	0.00				13,014.83	342,286.00	-329,271.17	3.8%
3010 · Interest Income	0.00				22,077.62	0.00	22,077.62	100.0%	22,077.62	0.00	22,077.62	100.0%
3020 · Misc Income	0.00				500.00	20,000.00	-19,500.00	2.5%	500.00	20,000.00	-19,500.00	2.5%
3021 · Grant Income	0.00				560.00	0.00	560.00	100.0%	560.00	0.00	560.00	100.0%
3035 · Cachuma Project Betterment Fund	100,000.00	100,000.00	0.00	100.0%	0.00				100,000.00	100,000.00	0.00	100.0%
3047 · 2023 Winter Storms	0.00				69,979.16	800,000.00	-730,020.84	8.75%	69,979.16	800,000.00	-730,020.84	8.75%
<b>Total 3000 REVENUE</b>	<b>\$ 884,322.83</b>	<b>\$ 1,959,008.00</b>	<b>\$ (1,074,685.17)</b>	<b>45.14%</b>	<b>\$ 2,491,514.78</b>	<b>\$ 5,624,900.00</b>	<b>\$ (3,133,385.22)</b>	<b>44.29%</b>	<b>\$ 3,375,837.61</b>	<b>\$ 7,583,908.00</b>	<b>\$ (4,208,070.39)</b>	<b>44.51%</b>
<b>Expense</b>												
3100 · LABOR - OPERATIONS	\$ -	\$ -	\$ -	0.0%	\$ 448,152.47	\$ 1,296,613.00	\$ (848,460.53)	34.56%	\$ 448,152.47	\$ 1,296,613.00	\$ (848,460.53)	34.56%
<b>3200 VEH &amp; EQUIPMENT</b>												
3201 · Vehicle/Equip Mtce	0.00				19,571.85	40,000.00	-20,428.15	48.93%	19,571.85	40,000.00	-20,428.15	48.93%
3202 · Fixed Capital	0.00				77,984.25	200,000.00	-122,015.75	38.99%	77,984.25	200,000.00	-122,015.75	38.99%
3203 · Equipment Rental	0.00				2,233.58	40,000.00	-37,766.42	5.58%	2,233.58	40,000.00	-37,766.42	5.58%
3204 · Miscellaneous	0.00				346.26	10,000.00	-9,653.74	3.46%	346.26	10,000.00	-9,653.74	3.46%
<b>Total 3200 VEH &amp; EQUIPMENT</b>	<b>0.00</b>	<b></b>	<b></b>	<b></b>	<b>100,135.94</b>	<b>290,000.00</b>	<b>-189,864.06</b>	<b>34.53%</b>	<b>100,135.94</b>	<b>290,000.00</b>	<b>-189,864.06</b>	<b>34.53%</b>
<b>3300 · CONTRACT LABOR</b>												
3301 · Conduit, Meter, Valve & Misc	0.00				4,796.00	35,000.00	-30,204.00	13.7%	4,796.00	35,000.00	-30,204.00	13.7%
3302 · Buildings & Roads	0.00				3,807.51	25,000.00	-21,192.49	15.23%	3,807.51	25,000.00	-21,192.49	15.23%
3303 · Reservoirs	0.00				14,928.79	60,000.00	-45,071.21	24.88%	14,928.79	60,000.00	-45,071.21	24.88%
3304 · Engineering, Misc Services	0.00				875.00	40,000.00	-39,125.00	2.19%	875.00	40,000.00	-39,125.00	2.19%
<b>Total 3300 · CONTRACT LABOR</b>	<b>0.00</b>	<b></b>	<b></b>	<b></b>	<b>24,407.30</b>	<b>160,000.00</b>	<b>-135,592.70</b>	<b>15.26%</b>	<b>24,407.30</b>	<b>160,000.00</b>	<b>-135,592.70</b>	<b>15.26%</b>
<b>3400 · MATERIALS &amp; SUPPLIES</b>												
3401 · Conduit, Meter, Valve & Misc	0.00				6,968.36	80,000.00	-73,031.64	8.71%	6,968.36	80,000.00	-73,031.64	8.71%
3402 · Buildings & Roads	0.00				1,958.51	20,000.00	-18,041.49	9.79%	1,958.51	20,000.00	-18,041.49	9.79%
3403 · Reservoirs	0.00				7,517.11	10,000.00	-2,482.89	75.17%	7,517.11	10,000.00	-2,482.89	75.17%
<b>Total 3400 · MATERIALS &amp; SUPPLIES</b>	<b>0.00</b>	<b></b>	<b></b>	<b></b>	<b>16,443.98</b>	<b>110,000.00</b>	<b>-93,556.02</b>	<b>14.95%</b>	<b>16,443.98</b>	<b>110,000.00</b>	<b>-93,556.02</b>	<b>14.95%</b>
<b>3500 · OTHER EXPENSES</b>												
3501 · Utilities	0.00				2,146.85	7,000.00	-4,853.15	30.67%	2,146.85	7,000.00	-4,853.15	30.67%
3502 · Uniforms	0.00				350.00	7,500.00	-7,150.00	4.67%	350.00	7,500.00	-7,150.00	4.67%
3503 · Communications	0.00				3,819.04	16,000.00	-12,180.96	23.87%	3,819.04	16,000.00	-12,180.96	23.87%
3504 · USA & Other Services	0.00				1,775.33	8,000.00	-6,224.67	22.19%	1,775.33	8,000.00	-6,224.67	22.19%
3505 · Miscellaneous	0.00				5,194.06	12,000.00	-6,805.94	43.28%	5,194.06	12,000.00	-6,805.94	43.28%
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></b>	<b></b>	<b></b>	<b>13,285.28</b>	<b>78,500.00</b>	<b>-65,214.72</b>	<b>16.92%</b>	<b>13,285.28</b>	<b>78,500.00</b>	<b>-65,214.72</b>	<b>16.92%</b>

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

	Fisheries				Operations				TOTAL			
	Jul - Oct 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Oct 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Oct 24	Budget	\$ Over / (Under) Budget	% of Budget
4100 · LABOR - FISHERIES	306,274.31	870,930.00	-564,655.69	35.17%	0.00				306,274.31	870,930.00	-564,655.69	35.17%
4200 · VEHICLES & EQUIP - FISHERIES												
4270 · Vehicle/Equip Mtce	11,829.54	30,000.00	-18,170.46	39.43%	0.00				11,829.54	30,000.00	-18,170.46	39.43%
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	607.62	2,500.00	-1,892.38	24.31%	0.00				607.62	2,500.00	-1,892.38	24.31%
<b>Total 4200 · VEHICLES &amp; EQUIP - FISHERIES</b>	<b>12,437.16</b>	<b>52,500.00</b>	<b>-40,062.84</b>	<b>23.69%</b>	<b>0.00</b>				<b>12,437.16</b>	<b>52,500.00</b>	<b>-40,062.84</b>	<b>23.69%</b>
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	2,473.37	11,000.00	-8,526.63	22.49%	0.00				2,473.37	11,000.00	-8,526.63	22.49%
<b>Total 4220 · CONTRACT LABOR - FISHERIES</b>	<b>2,473.37</b>	<b>14,000.00</b>	<b>-11,526.63</b>	<b>17.67%</b>	<b>0.00</b>				<b>2,473.37</b>	<b>14,000.00</b>	<b>-11,526.63</b>	<b>17.67%</b>
4300 · MATERIALS/SUPPLIES - FISHERIES												
4390 · Miscellaneous	4,822.06	8,000.00	-3,177.94	60.28%	0.00				4,822.06	8,000.00	-3,177.94	60.28%
<b>Total 4300 · MATERIALS/SUPPLIES - FISHERIES</b>	<b>4,822.06</b>	<b>8,000.00</b>	<b>-3,177.94</b>	<b>60.28%</b>	<b>0.00</b>				<b>4,822.06</b>	<b>8,000.00</b>	<b>-3,177.94</b>	<b>60.28%</b>
4500 · OTHER EXPENSES - FISHERIES												
4502 · Uniforms	792.42	5,000.00	-4,207.58	15.85%	0.00				792.42	5,000.00	-4,207.58	15.85%
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%
<b>Total 4500 · OTHER EXPENSES - FISHERIES</b>	<b>6,893.67</b>	<b>13,000.00</b>	<b>-6,106.33</b>	<b>53.03%</b>	<b>0.00</b>				<b>6,893.67</b>	<b>13,000.00</b>	<b>-6,106.33</b>	<b>53.03%</b>
4999 · GENERAL & ADMINISTRATIVE												
5000 · Director Fees	0.00				2,661.15	12,400.00	-9,738.85	21.46%	2,661.15	12,400.00	-9,738.85	21.46%
5001 · Director Mileage	0.00				145.72	600.00	-454.28	24.29%	145.72	600.00	-454.28	24.29%
5100 · Legal	0.00				5,061.00	75,000.00	-69,939.00	6.75%	5,061.00	75,000.00	-69,939.00	6.75%
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				54,711.17	47,900.00	6,811.17	114.22%	54,711.17	47,900.00	6,811.17	114.22%
5310 · Postage/Office Exp	0.00				2,093.81	6,000.00	-3,906.19	34.9%	2,093.81	6,000.00	-3,906.19	34.9%
5311 · Office Equip/Leases	0.00				2,478.50	13,440.00	-10,961.50	18.44%	2,478.50	13,440.00	-10,961.50	18.44%
5312 · Misc Admin Expenses	0.00				2,469.11	11,000.00	-8,530.89	22.45%	2,469.11	11,000.00	-8,530.89	22.45%
5313 · Communications	0.00				2,411.11	9,500.00	-7,088.89	25.38%	2,411.11	9,500.00	-7,088.89	25.38%
5314 · Utilities	0.00				5,143.34	9,739.00	-4,595.66	52.81%	5,143.34	9,739.00	-4,595.66	52.81%
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				4,902.56	35,000.00	-30,097.44	14.01%	4,902.56	35,000.00	-30,097.44	14.01%
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				29.18	3,500.00	-3,470.82	0.83%	29.18	3,500.00	-3,470.82	0.83%
5331 · Public Information	0.00				975.00	3,500.00	-2,525.00	27.86%	975.00	3,500.00	-2,525.00	27.86%
<b>Total 4999 · GENERAL &amp; ADMINISTRATIVE</b>	<b>0.00</b>				<b>84,891.09</b>	<b>281,029.00</b>	<b>-196,137.91</b>	<b>30.21%</b>	<b>84,891.09</b>	<b>281,029.00</b>	<b>-196,137.91</b>	<b>30.21%</b>
5299 · ADMIN LABOR	0.00				283,195.27	718,758.00	-435,562.73	39.4%	283,195.27	718,758.00	-435,562.73	39.4%
5400 · GENERAL & ADMIN - FISHERIES												
5407 · Legal - FD	5,474.00	25,000.00	-19,526.00	21.9%	0.00				5,474.00	25,000.00	-19,526.00	21.9%
5410 · Postage / Office Supplies	1,098.18	4,000.00	-2,901.82	27.46%	0.00				1,098.18	4,000.00	-2,901.82	27.46%
5411 · Office Equipment / Leases	1,334.50	8,533.00	-7,198.50	15.64%	0.00				1,334.50	8,533.00	-7,198.50	15.64%



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

	Fisheries				Operations				TOTAL			
	Jul - Oct 24	Budget	\$ Over / (Under)		Jul - Oct 24	Budget	\$ Over / (Under)		Jul - Oct 24	Budget	\$ Over / (Under)	
			Budget	% of Budget			Budget	% of Budget			Budget	% of Budget
5412 · Misc. Admin Expense	1,329.52	7,500.00	-6,170.48	17.73%	0.00				1,329.52	7,500.00	-6,170.48	17.73%
5413 · Communications	1,298.28	4,454.00	-3,155.72	29.15%	0.00				1,298.28	4,454.00	-3,155.72	29.15%
5414 · Utilities	2,769.50	5,243.00	-2,473.50	52.82%	0.00				2,769.50	5,243.00	-2,473.50	52.82%
5415 · Membership Dues	1,092.40	7,200.00	-6,107.60	15.17%	0.00				1,092.40	7,200.00	-6,107.60	15.17%
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	2,639.84	20,000.00	-17,360.16	13.2%	0.00				2,639.84	20,000.00	-17,360.16	13.2%
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	1,432.93	6,700.00	-5,267.07	21.39%	0.00				1,432.93	6,700.00	-5,267.07	21.39%
5427 · Director Mileage	78.38	300.00	-221.62	26.13%	0.00				78.38	300.00	-221.62	26.13%
5430 · Travel	416.51	4,000.00	-3,583.49	10.41%	0.00				416.51	4,000.00	-3,583.49	10.41%
5431 · Public Information	750.70	1,500.00	-749.30	50.05%	0.00				750.70	1,500.00	-749.30	50.05%
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	29,459.85	26,500.00	2,959.85	111.17%	0.00				29,459.85	26,500.00	2,959.85	111.17%
<b>Total 5400 · GENERAL &amp; ADMIN - FISHERIES</b>	<b>50,056.51</b>	<b>140,680.00</b>	<b>-90,623.49</b>	<b>35.58%</b>	<b>0.00</b>				<b>50,056.51</b>	<b>140,680.00</b>	<b>-90,623.49</b>	<b>35.58%</b>
5499 · ADMIN LABOR-FISHERIES	125,730.27	322,898.00	-197,167.73	38.94%	0.00				125,730.27	322,898.00	-197,167.73	38.94%
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				2,687.50	10,000.00	-7,312.50	26.88%	2,687.50	10,000.00	-7,312.50	26.88%
6105 · ROW Management Program	0.00				900.89	20,000.00	-19,099.11	4.5%	900.89	20,000.00	-19,099.11	4.5%
6110 · SCADA Improvements & Support	0.00				28,706.79	35,000.00	-6,293.21	82.02%	28,706.79	35,000.00	-6,293.21	82.02%
6115 · COMB Blding Improvemnts & Maint	0.00				3,382.00	80,000.00	-76,618.00	4.23%	3,382.00	80,000.00	-76,618.00	4.23%
6126 · 2024 Winter Storm Repairs	0.00				16,298.75	150,000.00	-133,701.25	10.87%	16,298.75	150,000.00	-133,701.25	10.87%
6138 · Water Quality & Sediment Mgmt	0.00				9,162.17	40,000.00	-30,837.83	22.91%	9,162.17	40,000.00	-30,837.83	22.91%
<b>Total 6199 · SPECIAL PROJECTS</b>	<b>0.00</b>				<b>61,138.10</b>	<b>335,000.00</b>	<b>-273,861.90</b>	<b>18.25%</b>	<b>61,138.10</b>	<b>335,000.00</b>	<b>-273,861.90</b>	<b>18.25%</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%
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				7,634.50	1,320,000.00	-1,312,365.50	0.58%	7,634.50	1,320,000.00	-1,312,365.50	0.58%
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				130,071.22	305,000.00	-174,928.78	42.65%	130,071.22	305,000.00	-174,928.78	42.65%
<b>Total 6000 · INFRASTRUCTURE IMPROVEMENT PROJ</b>	<b>0.00</b>				<b>142,099.22</b>	<b>2,350,000.00</b>	<b>-2,207,900.78</b>	<b>6.05%</b>	<b>142,099.22</b>	<b>2,350,000.00</b>	<b>-2,207,900.78</b>	<b>6.05%</b>
<b>6200 · PROGRAM SUPPORT SERVICES</b>												
6201 · BO/FMP Implementation	15,497.50	42,000.00	-26,502.50	36.9%	0.00				15,497.50	42,000.00	-26,502.50	36.9%
6202 · GIS and Mapping	1,762.50	10,000.00	-8,237.50	17.63%	0.00				1,762.50	10,000.00	-8,237.50	17.63%
6205 · USGS Stream Gauge Program	24,750.00	110,000.00	-85,250.00	22.5%	0.00				24,750.00	110,000.00	-85,250.00	22.5%
<b>Total 6200 · PROGRAM SUPPORT SERVICES</b>	<b>42,010.00</b>	<b>162,000.00</b>	<b>-119,990.00</b>	<b>25.93%</b>	<b>0.00</b>				<b>42,010.00</b>	<b>162,000.00</b>	<b>-119,990.00</b>	<b>25.93%</b>

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

	Fisheries				Operations				TOTAL			
	Jul - Oct 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Oct 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Oct 24	Budget	\$ Over / (Under) Budget	% of Budget
<b>6300 · HABITAT IMPROVEMENT PROJECTS</b>												
6207 · Oak Tree Restoration Program	38.75	10,000.00	-9,961.25	0.39%	0.00				38.75	10,000.00	-9,961.25	0.39%
6303 · Tributary Projects Support	291.00	10,000.00	-9,709.00	2.91%	0.00				291.00	10,000.00	-9,709.00	2.91%
6304 · Tributary Projects Improvements	346,689.00	355,000.00	-8,311.00	97.66%	0.00				346,689.00	355,000.00	-8,311.00	97.66%
<b>Total 6300 · HABITAT IMPROVEMENT PROJECTS</b>	<b>347,018.75</b>	<b>375,000.00</b>	<b>-27,981.25</b>	<b>92.54%</b>	<b>0.00</b>				<b>347,018.75</b>	<b>375,000.00</b>	<b>-27,981.25</b>	<b>92.54%</b>
<b>Total Expense</b>	<b>\$ 897,716.10</b>	<b>\$ 1,959,008.00</b>	<b>\$ (1,061,291.90)</b>	<b>45.83%</b>	<b>\$ 1,173,748.65</b>	<b>\$ 5,624,900.00</b>	<b>\$ (4,451,151.35)</b>	<b>20.87%</b>	<b>\$ 2,071,464.75</b>	<b>\$ 7,583,908.00</b>	<b>\$ (5,512,443.25)</b>	<b>27.31%</b>
<b>Net Surplus / Deficit</b>	<b>\$ (13,393.27)</b>	<b>\$ -</b>	<b>\$ (13,393.27)</b>	<b>100.0%</b>	<b>\$ 1,317,766.13</b>	<b>\$ -</b>	<b>\$ 1,317,766.13</b>	<b>100.0%</b>	<b>\$ 1,304,372.86</b>	<b>\$ -</b>	<b>\$ 1,304,372.86</b>	<b>100.0%</b>

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	November 18, 2024
Submitted by:	Janet Gingras

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

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### **RECOMMENDATION**

The Board of Directors receive and file the Cachuma Operation & Maintenance Board Investment Report as of October 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 October 2024, is reported at 4.518%.

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

Table 1			
Unrestricted Reserve Funds			
Local Agency Investment Fund (LAIF)			
	8/31/2024	\$	2,227,083.66
(+) Deposits/Credits			1,422,077.62
(-) Checks/Withdrawals			(1,281,000.00)
Statement Balance	10/31/2024	\$	2,368,161.28

#### 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	8/31/2024	\$	126,162.26
(+) Deposits/Credits			242,287.00
(-) Checks/Withdrawals			(13,014.83)
Statement Balance	10/31/2024	\$	355,434.43
American Riviera Bank Warren Act Trust Fund			
Previous Balance	8/31/2024	\$	71,561.28
(+) Deposits/Credits			9,288.00
(-) Checks/Withdrawals			(5,000.00)
Statement Balance	10/31/2024	\$	75,849.28

**STATEMENT**

The above statement of investment activity for the months of September and October 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.

  
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 Secretary

**Cachuma Operation & Maintenance Board**  
**Paid Claims**  
**As of September 30, 2024**

Date	Num	Name	Memo	Amount
<b>1050 - General Fund</b>				
09/03/2024	31331	Cabela's LLC/Bass Pro LLC	Personal Protective Equipment (Fisheries)	-208.97
09/03/2024	31332	Cori Hayman	Director Meeting Fees August 2024	-218.15
09/03/2024	31333	ECHO Communications	Message Service September 2024	-108.70
09/03/2024	31334	Fargen Surveys, Inc.	Lauro Reservoir Bypass Channel Road Improvement - Topographic Survey	-3,760.00
09/03/2024	31335	Harrison Hardware	Supplies (Fisheries)	-6.01
09/03/2024	31336	Kristen Sneddon	Director Meeting Fees August 2024	-210.30
09/03/2024	31337	Lauren W. Hanson	Director Meeting Fees August 2024	-422.90
09/03/2024	31338	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 8/16 & 8/30	-251.80
09/03/2024	31339	Polly Holcombe	Director Meeting Fees August 2024	-447.41
09/03/2024	31340	Powell Garage	2015 Chevrolet Silverado - Wheel Hub Assembly & Shock Absorber Assembly	-2,851.51
09/03/2024	31341	Southern California Edison	Electricity - Outlying Stations (Ops)	-8.52
09/03/2024	31342	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 6054ci	-303.41
09/03/2024	31343	Winema Industrial & Safety Supply	Equipment Repair - Gas Detector Device (Ops)	-195.00
09/09/2024	31344	Association of Ca Water Agencies/JPIA	October 2024 Health Benefits Premium	-36,991.70
09/09/2024	31345	AT&T	Long Distance Service August 2024	-40.83
09/09/2024	31346	Bedrock Building Supplies	Supplies (Ops)	-325.71
09/09/2024	31347	City of Santa-Barbara	Trash & Recycling August 2024	-390.09
09/09/2024	31348	Cox Communications Santa Barbara	Business Internet September 2024	-195.44
09/09/2024	31349	Dal Pozzo Tire Corp.	Chevy Silverado 1500 - Tire Replacement	-576.38
09/09/2024	31350	Emerson LLLP	Equipment (Ops) - Level & Flow Transmitter	-1,729.16
09/09/2024	31351	Federal Express	Shipping - Water Samples (Ops)	-167.90
09/09/2024	31352	Flowers & Associates, Inc.	Lauro Reservoir Access Road - Professional and Technical Engineering Services	-2,629.00
09/09/2024	31353	Flowers & Associates, Inc.	Lauro Reservoir - Debris Basin Soil Removal	-12,087.25
09/09/2024	31354	Flowers & Associates, Inc.	COMB On-Call Engineering Services	-875.00
09/09/2024	31355	Frontier Communications	Phone Service - North Portal	-67.54
09/09/2024	31356	Frontier Communications	Phone Service - Main Office Land Lines	-131.58
09/09/2024	31357	HDR Engineering, Inc.	FMP Implementation & Tributary Support - Engineering Services	-723.50
09/09/2024	31358	Home Depot Credit Services	Supplies (Ops)	-81.41
09/09/2024	31359	Quinn Company	Control Panel Replacement for North Portal Generator	-24,198.36
09/09/2024	31360	Southern California Edison	Electricity - Main Office & Outlying Stations	-3,295.81
09/09/2024	31361	Sparkletts	Operations Safety	-123.85
09/09/2024	31362	Trenchalk Network Services, Inc.	Network Support (Ops & Fisheries)	-2,517.00
09/09/2024	31363	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee	-209.80
09/09/2024	31364	WEX Fleet Universal	Fleet Fuel (Ops & Fisheries)	-2,737.12
09/09/2024	31365	Zac Gonzalez Landscaping & Tree Care	Landscape Maintenance August 2024	-480.00
09/12/2024	31366	Theodore Robins Ford	2024 Ford F-550 4x4 Cab Chassis	-77,984.25
09/16/2024	31367	Coastal Copy, Inc.	Copier Maintenance - Kyocera Taskalfas 3253ci & 6054ci	-171.22
09/16/2024	31368	Earth Systems	Lauro Reservoir & GATO Slide Evaluations	-2,129.50
09/16/2024	31369	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality Sampling	-1,625.00
09/16/2024	31370	Flowers & Associates, Inc.	Lauro Reservoir Access Road - Professional and Technical Engineering Services	-1,245.50
09/16/2024	31371	Flowers & Associates, Inc.	Lauro Reservoir - Debris Basin Soil Removal	-1,737.00
09/16/2024	31372	Impulse Advanced Communications	Phone Service - Main Office	-742.41
09/16/2024	31373	LoopUp, LLC	Conference Calls August 2024	-26.62
09/16/2024	31374	McMaster-Carr Supply Co.	Supplies (Ops)	-341.95
09/16/2024	31375	O'Reilly Automotive, Inc.	Supplies (Ops)	-123.39
09/16/2024	31376	Southern California Edison	Electricity - Outlying Stations (Ops)	-14.02
09/16/2024	31377	Spatial Wave	GIS & Mapping - Field Mapplet Software Maintenance October-December 2024 (Ops)	-925.00
09/16/2024	31378	Staples Business Credit	Office Supplies (Ops & Fisheries)	-465.00
09/16/2024	31379	Verizon Wireless	Cellular Service - Wireless Modems, Cell Phones & iPads (Ops)	-693.45
09/16/2024	31380	Western Scientific Company, Inc.	Equipment Maintenance - WESCO Trinocular Microscope	-176.63
09/16/2024	31381	Zac Gonzalez Landscaping & Tree Care	ROW Identification Program - Plant Installation	-404.94
09/23/2024	31382	American Riviera Bank - Card Service	Office and Field Supplies (Ops & Fisheries), ROW Program Trees, Website Hosting, Acrobat	-1,642.33
09/23/2024	31383	Bureau of Reclamation	Annual Safety of Dam Obligation - Lauro	-47,404.66
09/23/2024	31384	Bureau of Reclamation	Annual Safety of Dam Obligation - Bradbury	-261,647.70
09/23/2024	31385	VOID	VOID	0.00
09/23/2024	31386	Cushman Contracting Corp.	Equipment Repair - Posi-Trac (Ops)	-817.43
09/23/2024	31387	Federal Express	Overnight Shipping Cost	-45.98
09/23/2024	31388	FP Mailing Solutions	Postage Meter Rental	-228.31
09/23/2024	31389	Marborg Industries	Portable Facilities - Outlying Stations	-423.96
09/23/2024	31390	Miner's Ace Hardware	Supplies (Ops)	-79.22
09/23/2024	31391	Musick, Peeler & Garrett LLP	General Counsel August 2024 (Ops & Fisheries)	-4,025.00
09/23/2024	31392	Pacific Coast Jiffy Lube	Routine Maintenance - 2015 Chevy Silverado (Ops)	-195.78
09/23/2024	31393	PG&E	Electricity - Tecolote Tunnel & North Portal	-493.38
09/23/2024	31394	Rayne of Santa Barbara Inc	September RO Rental	-35.00
09/23/2024	31395	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 3253ci	-158.80
09/23/2024	31396	Zac Gonzalez Landscaping & Tree Care	Tree Care at COMB Headquarters - Mite and Residue Mitigation	-163.99
09/30/2024	31397	Coastline Equipment	Supplies (Ops)	-86.50

**Cachuma Operation & Maintenance Board**  
**Paid Claims**  
**As of September 30, 2024**

<b>Date</b>	<b>Num</b>	<b>Name</b>	<b>Memo</b>	<b>Amount</b>
09/30/2024	31398	Cori Hayman	Director Meeting Fees September 2024	-436.30
09/30/2024	31399	Cushman Contracting Corp.	EPFP Pumping System - Pay Req 125	-3,500.00
09/30/2024	31400	Earth Systems	Lauro Reservoir & GATO Slide Evaluations	-345.00
09/30/2024	31401	J&C Services	Office Cleaning Service - Weekly	-960.00
09/30/2024	31402	Kristen Sneddon	Director Meeting Fees September 2024	-210.30
09/30/2024	31403	L.I.T.B. Inc. dba Industrial Truck Bodies	Chevy 6500 Dumb Truck - Replace Stakebed Gates for Flatbed (Ops & Fisheries)	-3,337.88
09/30/2024	31404	Lauren W. Hanson	Director Meeting Fees September 2024	-422.90
09/30/2024	31405	Polly Holcombe	Director Meeting Fees September 2024	-223.70
09/30/2024	31406	Southern California Edison	Electricity - Outlying Stations (Ops)	-20.08
09/30/2024	31407	Sparkletts	Operations Safety	-110.17
09/30/2024	31408	Staples Business Credit	Office Supplies (Ops & Fisheries)	-269.96
09/30/2024	31409	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 6054ci	-389.27
09/30/2024	31410	Justin Waller	Reimbursement for Personal Protective Equipment - Work Boots & Safety Goggles	-447.40
09/30/2024	31411	Bureau of Reclamation	USBR WY 2024-25 Water Rates 1st Period Entitlement 10/1/24-4/1/25	-740,341.85
Total 1050 - General Fund				<u>-1,256,835.84</u>
<b>TOTAL</b>				<b><u>-1,256,835.84</u></b>

APPROVALS

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

Date	Num	Name	Memo	Amount
<b>1050 - General Fund</b>				
10/02/2024		COMB-Petty Cash	Replenish Petty Cash September 2024	-149.70
10/07/2024	31412	ACWA-Joint Powers Insurance Authority	Workers Compensation Program 7/1/2024 - 9/30/2024	-10,960.27
10/07/2024	31413	All Around Landscape Supply	Supplies (Ops)	-166.12
10/07/2024	31414	Aqua-Flo Supply	Supplies (Ops)	-106.14
10/07/2024	31415	Aspect Engineering Group	SCADA Improvements & Support - On-Call Engineering Services	-3,401.40
10/07/2024	31416	AT&T	Long Distance Service September 2024	-40.83
10/07/2024	31417	Channel City Lumber	Small Tools & Lumber (Ops)	-191.52
10/07/2024	31418	City of Santa-Barbara	Trash & Recycling September 2024	-390.09
10/07/2024	31419	County of Santa-Barbara	Waste Disposal Fee (Ops)	-101.20
10/07/2024	31420	Eagar, Inc.	Supplies (Fisheries)	-530.92
10/07/2024	31421	ECHO Communications	Message Service October 2024	-98.30
10/07/2024	31422	Frontier Communications	Phone Service - Main Office Land Lines	-132.52
10/07/2024	31423	Cox Communications Santa Barbara	Business Internet October 2024	-215.11
10/07/2024	31424	Federal Express	Shipping (Admin)	-45.30
10/07/2024	31425	Frontier Communications	Phone Service - North Portal	-83.17
10/07/2024	31426	HDR Engineering, Inc.	Tributary Enhancement Project - El Jaro Creek	-15,935.75
10/07/2024	31427	Home Depot Credit Services	Pressure Washer (Ops)	-325.16
10/07/2024	31428	Larry's Auto Parts	Posi-Track Supplies (Ops)	-305.98
10/07/2024	31429	McMaster-Carr Supply Co.	Supplies (Ops)	-414.98
10/07/2024	31430	Otis Elevator Company	Logistics and Fuel Impact Fee	-95.00
10/07/2024	31431	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 9/13/2024 & 9/27/2024	-255.40
10/07/2024	31432	Powell Garage	2015 Ford F150 Lariat - Regular Service, Brake Inspection	-817.84
10/07/2024	31433	Powell Garage	2019 Ford Ranger XL - Regular Service, Brake Inspection	-367.88
10/07/2024	31434	Southern California Edison	Electricity - Main Office & Outlying Stations	-2,516.10
10/07/2024	31435	Turenchalk Network Services, Inc.	Network Support (Ops & Fisheries)	-1,917.40
10/07/2024	31436	United States Geological Survey	USGS Quarterly Joint Funding Agreement 07/01/2024-09/30/2024	-24,750.00
10/07/2024	31437	Zac Gonzalez Landscaping & Tree Care	Landscape Maintenance September 2024	-480.00
10/15/2024	31438	All Around Landscape Supply	Supplies (Fisheries)	-11.68
10/15/2024	31439	Aqua-Flo Supply	Supplies (Ops)	-381.11
10/15/2024	31440	Association of Ca Water Agencies/JPIA	November 2024 Health Benefits Premium	-34,599.60
10/15/2024	31441	Bedrock Building Supplies	Gravel for Upper Yard Storage Area (Ops)	-3,539.82
10/15/2024	31442	Coastal Copy, Inc.	Copier Maintenance - Kyocera Taskalfa 3253ci & 6054ci	-288.04
10/15/2024	31443	Federal Express	Shipping (Admin)	-67.92
10/15/2024	31444	H&E Equipment Services, Inc.	Equipment Rental (Ops)	-481.69
10/15/2024	31445	Impulse Advanced Communications	Phone Service - Main Office	-744.20
10/15/2024	31446	LoopUp, LLC	Conference Calls September 2024	-26.62
10/15/2024	31447	Marborg Industries	Portable Facilities - Outlying Stations	-423.96
10/15/2024	31448	McMaster-Carr Supply Co.	Supplies (Ops)	-125.14
10/15/2024	31449	Peter Lapidus Construction, Inc.	Tributary Enhancement Project - Quiota Creek and El Jaro Creek (Fisheries)	-346,689.00
10/15/2024	31450	Salmonid Restoration Federation	Co-Sponsorship of 2025 Salmonid Restoration Federation Conference (Fisheries)	-1,000.00
10/15/2024	31451	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee	-174.65
10/15/2024	31452	Verizon Wireless	Cellular Service - Wireless Modems, Cell Phones & iPads (Ops)	-693.57
10/15/2024	31453	WEX Fleet Universal	Fleet Fuel (Ops & Fisheries)	-3,024.13
10/15/2024	31454	YSI Inc./Xylem	Water Quality Buoy Instruments & Materials	-102.44
10/15/2024	31455	ZWorld GIS	GIS & Mapping Projects - Aerial Imagery Services (Ops & Fisheries)	-3,525.00
10/15/2024	31456	Specialty Tool, LTD	Supplies (Ops)	-137.63
10/15/2024	31457	Storrer Environmental Services	Biological Consulting Services North Portal Intake Tower	-2,095.46
10/21/2024	31458	Agri-Turf Supplies, Inc.	Engine Oil (Ops)	-130.47
10/21/2024	31459	All Around Landscape Supply	Supplies (Ops)	-125.30
10/21/2024	31460	Aspect Engineering Group	SCADA Improvements & Support - On-Call Engineering Services	-720.00
10/21/2024	31461	Cabela's LLC/Bass Pro LLC	Personal Protective Equipment (Fisheries)	-577.44
10/21/2024	31462	Channel City Lumber	Supplies (Ops)	-522.95
10/21/2024	31463	County of Santa-Barbara	Waste Disposal Fee (Ops)	-198.92
10/21/2024	31464	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality Sampling	-1,050.00
10/21/2024	31465	Famcon Pipe & Supply	Equipment (Ops)	-923.40
10/21/2024	31466	Fence Factory	Fence Repair (Ops)	-630.29
10/21/2024	31467	Rayne of Santa Barbara Inc	October RO Rental	-35.00
10/28/2024	31468	All Around Landscape Supply	Supplies (Ops & Fisheries)	-947.72
10/28/2024	31469	Aspect Engineering Group	SCADA Improvements & Support - On-Call Engineering Services	-387.03
10/28/2024	31470	Carpinteria Valley Water Dist.	Cooperative Agreement Phase 2 SCC Lower Reach Lateral Project	-130,071.22
10/28/2024	31471	Cushman Contracting Corp.	EPFP Pumping System - Pay Req 126	-3,500.00
10/28/2024	31472	PG&E	Electricity - North Portal	-401.92
10/28/2024	31473	Quinn Company	Annual Generator Inspection and Service - Lauro Yard and North Portal Units	-4,204.30
10/28/2024	31474	S&S Seeds California LP	Vegetation for Creek Restoration (Fisheries)	-696.51
10/28/2024	31475	Securitas Technology Corp	Security System Monitoring Service - 11/01/2024 - 01/31/2024	-166.95
10/28/2024	31476	Smardan-Hatcher Co.	Supplies (Ops)	-87.71

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

<b>Date</b>	<b>Num</b>	<b>Name</b>	<b>Memo</b>	<b>Amount</b>
10/28/2024	31477	Sparkletts	Operations Safety	-108.87
10/28/2024	31478	Staples Business Credit	Office Supplies (Ops & Fisheries)	-280.42
10/28/2024	31479	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 3253ci	-123.98
10/28/2024	31480	White Cap, L.P.	Supplies (Ops)	-554.61
Total 1050 - General Fund				<u>-609,370.75</u>
<b>TOTAL</b>				<u><b>-609,370.75</b></u>

APPROVALS

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	November 18, 2024
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

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**SUBJECT:** Financial Review – 1st Quarter Fiscal Year 2024-25

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**RECOMMENDATION:**

The Board of Directors receive a presentation on the 1st Quarter Fiscal Year (FY) 2024-25 Financial Review and receive and file.

**DISCUSSION:**

The Board of Directors approves the Cachuma Operation and Maintenance Board (COMB) Budget each fiscal year. Unaudited financial statements are received and filed by the Board on a monthly basis. Staff provides, on a quarterly basis, a fiscal year-to-date financial review of the unaudited interim financial reports to the Board of Directors, comparing actual expenditures to the Budget.

For FY 2024-25, COMB adjusted the collection of quarterly assessments based on project implementation and projected cash outflows, as follows:

**Table 1**  
**COMB Quarterly Budget Assessments FY 2024-25**

Q1	Q2	Q3	Q4	Total
\$ 1,826,589	\$ 1,338,117	\$ 1,224,189	\$ 1,915,439	\$ 6,304,336
29%	21%	19%	30%	100%

**FISCAL ANALYSIS:**

**Revenues Collected**

- COMB assessed and collected \$1.8M in quarterly O&M Budget Assessments for the period July – September 2024.
- COMB assessed and collected \$740.3K in pass-through charges on behalf of the US Bureau of Reclamation for the 1<sup>st</sup> period USBR Entitlement obligation for the period October 2024 through April 2025.
- COMB assessed and collected \$309.1K in pass-through charges on behalf of the US Bureau of Reclamation for the annual Bradbury and Lauro Safety of Dams (SOD) repayment obligation for the water year 2024-25.
- COMB earned \$15.3K in interest income for surplus funds held with LAIF.

## **Expenditures To Date (% of Budget Apportioned thru September – 29%)**

### **General and Administrative (Combined)**

- General and Administrative Expenses include costs for support of all administrative functions of COMB such as: Director fees, legal expenditures, general liability and property insurance, audit fees, temporary/contract labor, utilities, IT and communications, postage and office supplies, training, education and subscriptions and miscellaneous expenses. Costs are generally allocated between Operations and Maintenance (65%) and Fisheries Division (35%). General and Administrative expenses through September totaled \$55.7K (13.2%) and are within budget.
- General and Administrative Labor includes salaries, employer-paid payroll taxes, health insurance and retirement benefit costs for the COMB General Manager and Administrative staff. General and Administrative Labor expenses totaled \$341.5K (32.8%). Notable costs during the first quarter include FY 2024-25 CalPERS Unfunded Accrued Liability payment (\$85.6k). Other costs in this category are on trend and generally occur evenly throughout the year.

### **Operations Division**

- Operation and Maintenance Labor includes salaries, employer-paid payroll taxes, health insurance and retirement benefit costs. Personnel costs through September totaled \$366.6K (28.3%). Notable costs during the first quarter include FY 2024-25 CalPERS Unfunded Accrued Liability payment (\$71.3K).
- Vehicles & Equipment includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Actual costs of \$93.4K (32.3%) are slightly higher than the apportioned budget. Notable costs include the purchase of a 2024 Ford F-550 truck chassis (\$78.0K). COMB plans on purchasing and installing a custom bed with a 5,000 lb. crane (\$65k) for this vehicle during the second quarter.
- Contract Labor contains funds for outside services and labor that cannot be supported by COMB staff such as water quality sampling, elevator maintenance or repair, tree trimming and removal services, heavy equipment and operators' labor costs for various small projects including meter calibration and meter repair. Actual costs of \$16.4K (10.3%) are within budget. Projects and staff assignments are reviewed closely by the COMB General Manager and Operations Division Manager to control costs in this category.
- Materials and Supplies covers costs related to the operation and maintenance of the conduit, reservoirs, and outlying buildings and roads. Actual costs of \$7.9K (7.2%) are under budget. Timing of expenditures in this category can vary based on project needs.
- Other Expenses includes utilities, uniforms, hazardous waste disposal, communications (phones at facilities, and cell phones for operations and maintenance), Underground Service Alerts, and employee training and certifications. Actual costs of \$10.6K (13.4%) are within budget.
- Special Projects include costs related to 2024 winter storm repairs, water quality and sediment management, COMB building improvements and maintenance, SCADA improvements and support, right of way identification program and GIS and mapping. Actuals costs of \$56.6K (16.7%) are under budget. Notable costs include the replacement of a control panel for the North Portal generator (\$24.2K). Timing of expenditures in this category can vary based on project needs. During the first quarter, COMB also incurred \$16.3K related to the 2024 winter storm repairs. COMB is seeking reimbursement from FEMA/CalOES for these costs.
- Infrastructure Improvement Projects - Board policy requires that all infrastructure improvement projects be approved through the appropriate Committee and by the Board prior to commencement. The timing and ranking of projects are dependent on factors such as: (1) water supply reliability, (2) risk, (3) critical need/life cycle of asset, (4) safety, and (5) service disruption necessary to accomplish project. Actual costs for the first quarter were \$12.0K. This amount is attributed to the following projects: Lauro Bypass Channel Road Improvement (\$7.6k) and the Lauro Outlet Works

Tunnel Safety project (\$4.4K). Phase II of the SCC Lower Reach Lateral Structure Rehabilitation project (\$550K) is scheduled to be completed in the second quarter of FY 2024-25 as part of the Carpinteria Valley Water District Cooperative Agreement. Funds for this project were assessed and collected during FY 2023-24 and will be applied to this project.

- **The total Operations Division expenses thru September of \$835.2K (14.7%) for FY 2024-25 are within budget.**
- **The projected annualized Operations Division expenses of \$5.3M (92.7%) for FY 2024-25 are within budget as reflected in Table 2:**

Table 2  
Operations Division

	Actual	Budget	Budget	Budget	Annual	Annual	Over / (Under)	% of
	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Projected (2)	Budget	Budget (\$)	Budget
Revenue								
Revenue	\$ 1,250,209	\$ 1,149,000	\$ 957,500	\$ 2,319,000	\$ 5,675,709	\$ 5,674,900	\$ 809	100.0%
Total Income	1,250,209	1,149,000	957,500	2,319,000	5,675,709	5,674,900	809	100.0%
Revenue	\$ 1,250,209	\$ 1,149,000	\$ 957,500	\$ 2,319,000	\$ 5,675,709	\$ 5,674,900	\$ 809	100.0%
Expense								
General and Admin Expenses	35,348	62,344	55,844	52,594	206,130	281,029	(74,899)	73.3%
General and Admin Labor	236,327	179,690	179,690	179,690	775,397	718,758	56,639	107.9%
O&M Labor	366,577	324,153	324,153	324,153	1,339,036	1,296,613	42,423	103.3%
O&M Vehicle & Equip	93,366	32,500	32,500	172,500	330,866	290,000	40,866	114.1%
O&M Contract Labor	16,414	40,000	40,000	40,000	136,414	160,000	(23,586)	85.3%
O&M Material and Supplies	7,927	27,500	27,500	27,500	90,427	110,000	(19,573)	82.2%
O&M Other Expenses	10,555	17,813	32,813	15,063	76,244	78,500	(2,256)	97.1%
Special Projects	56,636	37,500	55,000	42,500	191,636	340,000	(148,364)	56.4%
Infrastructure Improvement Proj (2)	12,028	427,500	210,000	1,465,000	2,114,528	2,400,000	(285,472)	88.1%
Total Expense	835,179	\$ 1,149,000	\$ 957,500	\$ 2,319,000	\$ 5,260,679	\$ 5,674,900	\$ (414,221)	92.7%
Net Surplus / (Deficit)	415,030	\$ -	\$ -	\$ -	\$ 415,030	\$ -	\$ 415,030	

**Note:**

(1) Results are unaudited and subject to change.

**Fisheries Division**

- Fisheries Division Labor includes salaries, employer-paid payroll taxes, health insurance and retirement benefit costs for the Fisheries Division Manager, two Senior Field Biologists, a Biologist Aide position, and four part-time seasonal positions. Personnel costs of \$246.4K (28.3%) are within budget. Notable costs during the first quarter include FY 2024-25 CalPERS Unfunded Accrued Liability payment (\$42.8K).
- Vehicles & Equipment includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Actual costs of \$10.7K (20.4%) are lower than budget due to lower than projected vehicle maintenance costs.
- Contract Labor contains funds for outside services/labor to support equipment calibration on flow meters, and funds for technical assistance corresponding to the operation, maintenance and performance review of completed fish passage projects. Projected consultant services are reviewed by the COMB General Manager and Fisheries Division Manager to control costs in this category. Actual costs of \$1.6K (11.4%) are lower than budget. COMB has entered into an annual agreement with HDR Engineering (\$5.0K) to perform tasks outlined in an approved scope of work (SOW) under this category.
- Materials and Supplies include costs for the purchase of items needed for the Fisheries Monitoring Program specifically for migration, spawning and over-summering, constructing and repairing fish migration traps and the equipment necessary to conduct snorkel and redds surveys. Actual costs of \$1.4K (17.7%) are within budget.
- Other Expenses includes funds for environmental permits and to pay for uniforms and gear for the fisheries division employees. Actual costs of \$6.3K (48.6%) are higher than budget. These costs

are attributed to two permits needed for upcoming fish passage improvement projects in Quiota and El Jaro Creeks.

- Fisheries Division Activities includes funding for special activities related to ongoing Cachuma Project Biological Opinion (BiOp) compliance efforts, the implementation of the Lower Santa Ynez River Fisheries Monitoring Program (FMP), GIS mapping, and the USGS Stream Gauge Program. The use of external consultants and the timing of expenditures can vary year-to-year based on specific program needs or as particular stream or habitat issues arise. Actual costs of \$25.2K (15.5%) are within budget.
- Fisheries Habitat Improvement – includes funds for the Oak Tree Restoration Program and Tributary Project Improvements. There were minimal reportable expenses (<\$0.5K) under this category during the 1<sup>st</sup> quarter.
- **The total Fisheries Division expenses through September of \$417.4K (21.9%) for FY 2024-25 are within budget.**
- **The projected annualized Fisheries Division expenses of \$1.7M (91.6%) for FY 2023-24 are within budget as reflected in Table 3 below:**

**Table 3**  
**Fisheries Division**

	Actual Jul-Sep	Budget Oct-Dec	Budget Jan-Mar	Budget Apr-Jun	Annual Projected	Annual Budget	Over/(Under) Budget (\$)	% of Budget
Revenue								
Revenue	\$ 577,190	\$ 548,689	\$ 386,689	\$ 396,439	\$ 1,909,007	\$ 1,909,008	\$ (1)	100.0%
Expense								
General and Admin Expenses	20,379	30,733	27,233	25,483	103,828	140,680	(36,852)	73.8%
General and Admin Labor	105,125	80,724	80,724	80,724	347,297	322,898	24,399	107.6%
Fisheries Labor	246,402	217,732	217,732	217,732	899,598	870,930	28,668	103.3%
Fisheries Vehicle & Equip	10,689	13,125	13,125	13,125	50,064	52,500	(2,436)	95.4%
Fisheries Contract Labor	1,603	8,000	2,000	2,000	13,603	14,000	(397)	97.2%
Fisheries Material and Supplies	1,413	2,000	2,000	2,000	7,413	8,000	(587)	92.7%
Fisheries Other Expenses	6,316	875	875	2,375	10,441	13,000	(2,559)	80.3%
Fisheries Activities	25,183	38,000	38,000	48,000	149,183	162,000	(12,818)	92.1%
Fisheries Habitat Enhancement	291	157,500	5,000	5,000	167,791	325,000	(157,209)	51.6%
Total Expense	\$ 417,401	\$ 548,689	\$ 386,689	\$ 396,439	\$ 1,749,218	\$ 1,909,008	\$ (159,790)	91.6%
Net Surplus / (Deficit)	\$ 159,789	\$ -	\$ -	\$ -	\$ 159,789	\$ -	\$ 159,789	

Note:

(1) Results are unaudited and subject to change.

### **Restricted Funds and Obligations**

- **Warren Act Trust Fund (Restricted Fund)** - The Warren Act Trust Fund is a requirement of the Cachuma Project Warren Act Contract negotiated between the Central Coast Water Authority (CCWA) and the Bureau of Reclamation for delivery and transport of State Water Project (SWP) water through the Cachuma Project facilities. A 1995 memorandum of understanding executed in conjunction with the Warren Act Contract established a charge of \$43 per acre-foot (AF). Payments are required upon delivery of SWP water to Cachuma Reservoir. CCWA makes quarterly payments to COMB based on the prior quarter's water deliveries to the lake.

COMB collected \$17.3K of Warren Act Trust Fund payments from CCWA for SWP deliveries (402 Acre-Feet) that occurred in calendar year 2023. These funds were reviewed at the annual Cachuma Project Warren Act Trust Fund and Renewal Fund meeting for use in FY 2024-25.

- **Renewal Funds (Restricted Fund)** - The Renewal Fund is a requirement of the 1995 Renewal Master Contract (Contract No. I75r-1802R between the United States and Santa Barbara County Water Agency) entered into for water conveyance from the Cachuma Project to the five Cachuma Project Member Units. The Member Units are the Carpinteria Valley Water District, the Goleta

Water District, the Montecito Water District, the City of Santa Barbara, and the Santa Ynez River Water Conservation District, Improvement District No. 1 (ID No. 1).

The Renewal Master Contract requires payment of \$10 per acre-foot of water made available by the Cachuma Project. The Renewal Fund itself is capped at \$257,100, which is related to the current annual operational yield of 25,714 AF.

In accordance with the Cachuma Project Master Contract, Article 27 – Renewal Fund, Sub Article (e):

1. The aggregate amount to be deposited by the Cachuma Member Units in any Water Year shall not exceed the lesser of the amounts determined pursuant to sub articles 27 (e)(2), (e)(3), and (e)(4), as stated below.
2. The aggregate amount to be deposited by the Cachuma Project Member Units in any Water Year shall not exceed an amount equal to \$10 (May 1995 price levels using the Consumer Price Index) for each acre-foot of Project water scheduled for delivery that water year.
3. The aggregate amount to be deposited by the Cachuma Member Units in any Water Year shall not exceed an amount which bears a ratio to \$257,100, which is inverse to the ratio which the aggregate amount paid into the Cachuma Project Trust Fund during the immediately preceding Calendar Year bears to \$300,000.
4. If (i) at the beginning of any Water Year the combined balance of the Cachuma Project Trust Fund and the Renewal Fund is \$600,000 or more, or (ii) the Contracting Officer has determined that the maximum operation elevation of the Cachuma Reservoir shall be less than 750 feet, then no contributions to the Renewal Fund are required for such year Water Year.

In July 2024, Reclamation notified the Santa Barbara County Water Agency and the Cachuma Project Member Units that their annual allocation request of 100% was approved for WY 2024-25. As a result, the aggregate amount to be collected from the Cachuma Project Member Units pursuant to Sub Article 27 (e)(3) of the Renewal Master Contract, is as follows:

<b>Given:</b>	WATF = \$17,286
	AOY = Annual Operation Yield of 25,714 x \$10 = \$257,100
	RFC = Renewal Fund Calculation = $[1 - (WATF / \$300,000)] \times AOY$
<b>Then:</b>	RFC = $[1 - (\$17,286 / \$300,000)] \times \$257,100$
	RFC = \$242,286

- **Bradbury/Lauro SOD Contracts** - Under the terms and conditions of a repayment contract executed in 2002, COMB is responsible for payment to the United States of fifteen percent (15%) of the total amount of Safety of Dams (SOD) Act funds expended by the United States for structural stability and related work at Bradbury Dam.

The fifteen percent obligation under the Bradbury SOD contract is \$7,605,739 and is to be repaid by annual payments over a 50-year period. COMB's payment obligation for FY 2024-25 is \$261,647. COMB assesses the Cachuma Project Member Units in accordance with their respective Cachuma Project entitlement percentages.

The fifteen percent obligation under the Lauro SOD contract is \$1,009,737 and is to be repaid by annual payments over a 50-year period. COMB's payment obligation for FY 2024-25 is \$47,404.

COMB assesses the COMB Member Agencies (only) in accordance with each Member Agencies' pro-rata Cachuma Project entitlement percentages.

**LIST OF EXHIBITS:**

- 1) Fiscal Year 2024-25 Statement of Revenue and Expenditures

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures - Unaudited**  
**Budget vs. Actuals**

	Fisheries				Operations				TOTAL			
	Jul-Jun 25	Annual Budget	\$ Over / (Under) Budget	% of Budget	Jul-Jun 25	Annual Budget	\$ Over / (Under) Budget	% of Budget	Jul-Jun 25	Budget	\$ Over / (Under) Budget	% of Budget
<b>Revenue</b>												
Revenue	\$ 577,190.00	\$ 1,909,008.00	\$ (1,331,818.00)	30.2%	\$ 1,250,209.00	\$ 5,674,900.00	\$ (4,424,691.00)	22.0%	\$ 1,827,399.00	\$ 7,583,908.00	\$ (5,756,509.00)	24.1%
<b>Total Revenue</b>	<b>577,190.00</b>	<b>1,909,008.00</b>	<b>(1,331,818.00)</b>	<b>30.2%</b>	<b>1,250,209.00</b>	<b>5,674,900.00</b>	<b>(4,424,691.00)</b>	<b>22.0%</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>												
General and Admin Expenses	20,379.02	140,680.00	(120,300.98)	14.5%	35,347.88	281,029.00	(245,681.12)	12.6%	55,726.90	421,709.00	(365,982.10)	13.2%
General and Admin Labor	105,125.00	322,898.00	(217,773.00)	32.6%	236,326.94	718,758.00	(482,431.06)	32.9%	341,451.94	1,041,656.00	(700,204.06)	32.8%
O&M Labor	-	-	-	-	366,577.32	1,296,613.00	(930,035.68)	28.3%	366,577.32	1,296,613.00	(930,035.68)	28.3%
O&M Vehicle & Equip	-	-	-	-	93,366.43	290,000.00	(196,633.57)	32.2%	93,366.43	290,000.00	(196,633.57)	32.2%
O&M Contract Labor	-	-	-	-	16,413.84	160,000.00	(143,586.16)	10.3%	16,413.84	160,000.00	(143,586.16)	10.3%
O&M Material and Supplies	-	-	-	-	7,927.20	110,000.00	(102,072.80)	7.2%	7,927.20	110,000.00	(102,072.80)	7.2%
O&M Other Expenses	-	-	-	-	10,554.84	78,500.00	(67,945.16)	13.4%	10,554.84	78,500.00	(67,945.16)	13.4%
Special Projects	-	-	-	-	56,636.13	340,000.00	(283,363.87)	16.7%	56,636.13	340,000.00	(283,363.87)	16.7%
Infrastructure Improvement Projects	-	-	-	-	12,028.00	2,400,000.00	(2,387,972.00)	0.5%	12,028.00	2,400,000.00	(2,387,972.00)	0.5%
Fisheries Labor	246,402.32	870,930.00	(624,527.68)	28.3%	-	-	-	-	246,402.32	870,930.00	(624,527.68)	28.3%
Fisheries Vehicle & Equip	10,689.27	52,500.00	(41,810.73)	20.4%	-	-	-	-	10,689.27	52,500.00	(41,810.73)	20.4%
Fisheries Contract Labor	1,602.62	14,000.00	(12,397.38)	11.4%	-	-	-	-	1,602.62	14,000.00	(12,397.38)	11.4%
Fisheries Material and Supplies	1,413.19	8,000.00	(6,586.81)	17.7%	-	-	-	-	1,413.19	8,000.00	(6,586.81)	17.7%
Fisheries Other Expenses	6,316.23	13,000.00	(6,683.77)	48.6%	-	-	-	-	6,316.23	13,000.00	(6,683.77)	48.6%
Fisheries Activities	25,182.50	162,000.00	(136,817.50)	15.5%	-	-	-	-	25,182.50	162,000.00	(136,817.50)	15.5%
Fisheries Habitat Enhancement	291.00	325,000.00	(324,709.00)	0.1%	-	-	-	-	291.00	325,000.00	(324,709.00)	0.1%
Other Interest Expense - EPPF	-	-	-	0.0%	-	-	-	-	-	-	-	0.0%
<b>Total Expense</b>	<b>417,401.15</b>	<b>1,909,008.00</b>	<b>(1,491,606.85)</b>	<b>21.9%</b>	<b>835,178.58</b>	<b>5,674,900.00</b>	<b>(4,839,721.42)</b>	<b>14.7%</b>	<b>1,252,579.73</b>	<b>7,583,908.00</b>	<b>(6,331,328.27)</b>	<b>16.5%</b>
<b>Surplus / (Deficit) - O&amp;M</b>	<b>\$ 159,788.85</b>	<b>\$ -</b>	<b>\$ 159,788.85</b>		<b>\$ 415,030.42</b>	<b>\$ -</b>	<b>\$ 415,030.42</b>		<b>\$ 574,819.27</b>	<b>\$ -</b>	<b>\$ 574,819.27</b>	

Note: Results are unaudited and subject to change.

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	November 18, 2024
Submitted by:	Joel Degner
Approved by:	Janet Gingras

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**SUBJECT:** Update on the COMB / Carpinteria Valley Water District (CVWD) Cooperative Agreement for Lateral Isolation Valve Replacement (LIVR) Project

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**SUMMARY:**

The Lower Reach Lateral Isolation Valve Replacement (LIVR) Project was completed in November 2024 which involved a collaborative work effort between Carpinteria Valley Water District (CVWD) and COMB to repair and rehabilitate aging infrastructure in the lower reach section of the South Coast Conduit. This critical project spanned over three years for planning, design and implementation and in total, 25 laterals were rehabilitated and one in SCC in-line isolation valve was installed in three separate project work phases.

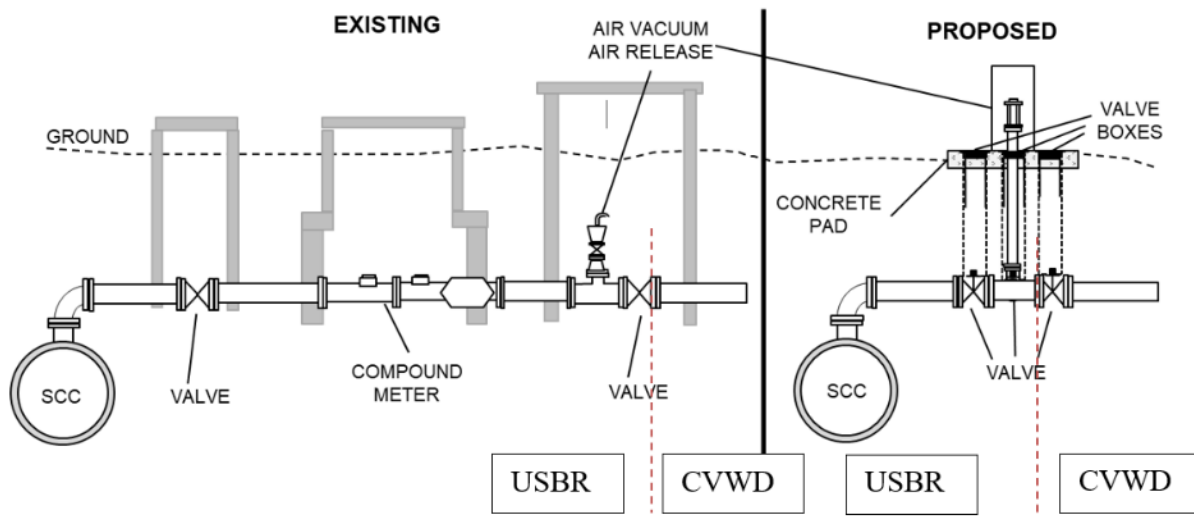
**BACKGROUND**

COMB staff has made significant progress on the rehabilitation of the South Coast Conduit (SCC) system and appurtenances starting in the late 1990's and early 2000's. The upper reach of the SCC system, which includes the area from the Tecolote Tunnel South Portal to Lauro Reservoir, was extensively rehabilitated during that time. COMB staff worked with the Bureau of Reclamation and consultant engineers to repair and replace important infrastructure components to achieve a reliable conveyance system in the upper reach.

Appurtenance structures in the lower reach of the system were over seventy years old and had reached their maximum useful life span with most of the original meters obsolete and the lateral isolation valves frozen open. On November 10, 2021, COMB and CVWD entered into a Cooperative Agreement for collaboration on a Rehabilitation Project to improve the SCC and certain appurtenances in the Carpinteria Reach. The Cooperative Agreement consisted of a collaborative alternative project to COMB's original version of the project, wherein certain structures within the Carpinteria Reach would be rehabilitated utilizing financial assistance from CVWD, with COMB providing additional SCC system improvements.

The lower reach lateral facilities are part of the SCC from the connection at the conduit to just past the second downstream guard valve (Figure 1). The existing lateral appurtenances posed an operational risk due to age, corrosion, and valve operating conditions. The dependability of these valves is necessary to isolate the CVWD distribution system from the conduit during maintenance and repair on SCC facilities. Most of the lateral connections need replacement valves installed to effectively isolate the laterals ahead of any planned shutdown for repairs to the SCC air-vac and blowoff structures (Schedule F). COMB hired Flowers and Associates to investigate the current lateral arrangements and to produce rehabilitation designs. COMB, CVWD and Flowers & Associates jointly visited the lateral structures in 2019 and 2020 to develop designs for the rehabilitation project. The project was designed and went to bid in November 2021 with Tierra Contracting Inc. being the lowest responsive, responsible bidder.

Each lateral structure generally contains three vaults with confined space entry requirements (Figure 1): an upstream valve vault, a meter vault, and a downstream valve vault. Most laterals also contain air-vacuum air release valves that were previously installed subgrade. The original method of measuring water deliveries at each of the laterals has been replaced with measurement at the CVWD boundary meter making these lateral meters obsolete. The lateral rehabilitation consisted of removing the three structures and the obsolete compound meter and replacing them with new piping, buried valves, and valve boxes. During the process, existing subgrade air vents were raised above grade. For COMB, this eliminated approximately 70 confined space structures, 18 subgrade lateral air vents, and associated future structure maintenance. For CVWD, this increased the flow to the laterals by removing the obsolete compound meters and improved the operational flexibility during conduit shutdowns. The air vent outlets were also increased to 6" and where there was no AVAR, a 6" outlet was installed instead. These 6" outlets on the laterals help facilitate future SCC shutdown by allowing water to be "high-lined" from one lateral to another during a shutdown.



**Figure 1.** Existing Lateral Turnout Structure/Rehabilitated Lateral Turnout Structure

To facilitate shutdowns to rehabilitate AVAR and blowoff valves on the SCC, new isolation valves in the SCC were proposed. The new inline isolation valves were not needed during previous SCC shutdowns through Goleta, Santa Barbara, and Montecito but are necessary to minimize customer disruptions in Carpinteria. The construction of the new in-line valves necessitated the cooperative agreement between COMB and CVWD which allowed COMB to construct the new isolation valve on the SCC and CVWD offsetting the additional costs by funding the lateral rehabilitation projects.

The cooperative agreement was originally planned to include two phases, but a third phase was added for FY 2025. COMB completed the construction and installation of the Phase One La Mirada In-Line Isolation Valve during the 3rd Quarter of Fiscal Year 2021-22. The cost of completing this particular Phase One project totaled approximately \$550,000. During Fiscal Year 2022-23 CVWD successfully completed Phase One of the LIVR Project, which consisted of laterals 1 through 6 and laterals 17 and 19, thereby fulfilling its Phase One commitment at a cost of approximately \$845,000. Section 4 of the Cooperative Agreement required a Review of Progress of Work between both parties prior to proceeding with Phase Two, to reconcile expenditures by each Party and to provide the scope of agreed upon work for Phase Two to each respective Board of Directors for consideration. Staff from both Parties conducted the Review of Progress of Work pursuant to Section 4 of the Agreement, meeting on April 26, 2023, wherein the proposed work consisted of completing Phase Two of the LIVR Project. Phase Two of the project included laterals numbered 7 through 16, and Lateral 28 referred to as "Zone 2" (or "Z2"), "Zone 3" (or "Z3"), Zone 6 ("Z6") respectively ("Phase Two"). This Phase Two of the LIVR Project began in July 2024. Phase Two of the lateral project was delayed several months as Reclamation required additional cultural resources review,

Caltrans required a permit reissue instead of an extension, and materials were delayed. As part of the Phase Two Amendment to the Cooperative Agreement, COMB funded \$550,000 to complete the necessary work and Carpinteria funded \$255,000. COMB has carried over funds from FY 2023-2024 to complete Phase Two work. On August 21, 2024, the COMB Board approved Phase 3 of the cooperative agreement to complete the four remaining laterals (Laterals 22R, 25L, 26L, and 27L) that contain the valves and meters installed in the 1950s by Reclamation (now nearly 75 years old) to be rehabilitated for the construction cost of \$256,384. CVWD continued to provide the valves, the contract management, construction management support, and shutdown coordination with its customers at no cost to COMB.

On November 1, 2024, Tierra completed construction on all of the laterals in Phase 2 and Phase 3 for the cooperative agreement and have demobilized from the site. In all three phases a total of 25 laterals were rehabilitated (Table 1). Tierra Contracting Inc. and its subcontractor Koppl successfully performed 22 line stops on the lateral piping originating from the South Coast Conduit. For all the lateral shutdowns there was minimal to no leak-by from the line stops and all shutdowns lasted less than the scheduled 8 hours with many shutdowns only lasting 2 to 3 hours. All the coupons (cored sections of lateral piping) cut from the original cast iron lateral piping were in excellent condition protected by their original coating and internal mortar lining. CVWD engineering staff successfully managed 21 individual lateral shutdowns of CVWD customers and a week-long, five-day shutdown of the South Coast Conduit to complete the work. In total 18 subgrade air-vacuum air release (AVAR) valves were raised above grade.

Remaining steps on the project include permit closeout, preparation of record drawings, and fence replacement.

**Table 1. Summary of Lateral Work Completion Work**

Laterals	Size	Phase	AVAR/Port	Date Completed
1L	6"	1	Port	8/17/22
1R	6"	1	AVAR	8/17/22
2R	6"	1	AVAR	6/25/22
3L	6"	1	AVAR	8/4/22
4L	6"	1	AVAR	8/10/22
5R	4"	1	AVAR	3/15/23
6R	6"	1	AVAR	3/15/23
7L	6"	2	Port	8/1/24
7R	6"	2	AVAR	8/28/24
8L	4"	2	AVAR	8/8/24
9L	4"	2	AVAR	8/13/24
10L	10"	2	AVAR	8/20/24
11R	4"	2	Port	8/16/24
12L	4"	2	AVAR	9/4/24
13L	8"	2	AVAR	9/11/24
14L	8"	2	AVAR	9/17/24
15L	6"	2	Port	9/18/24
16L	6"	2	AVAR	10/14/24
17L	4"	1	AVAR	11/14/22
19R	10"	1	AVAR	12/5/22
22R	10"	3	AVAR	10/22/24
25R	6"	3	Port	10/23/24
26L	8"	3	Port	10/25/24
27R	10"	3	AVAR	10/29/24
28L	12"	2	Port	9/26/24

*Note: 2L, 18L, 29L are abandoned and 20L, 21L, 23L, 24L were rehabbed 1980, and 30R was rehabbed in 2002.*

**ENVIRONMENTAL COMPLIANCE:**

Reclamation provided an environmental review with a Categorical Exclusion Checklist CEC-23-052 and performed consultation with the State Historic Preservation Office on the excavation work. COMB received a permit from Caltrans separate from its normal Annual Maintenance permit for its additional rehabilitation work.

**FISCAL IMPACTS:**

The Fiscal Year 2024-25 Operating Budget contains \$305,000 for the Phase Three Lateral Rehabilitation work. Funding to complete Phase Two of the project (\$550,000) is currently being carried over from Fiscal Year 2023-24. The overall costs for the project should come in under the budgeted amount for Phase Two and Three.

**Table 2.** Cooperative Agreement Cost Summary

<b>Phase</b>	<b>CVWD</b>	<b>COMB</b>
Phase 1	\$845,000 <i>Laterals 1 to 6, 17, 19, SCC shutdown bypass temp system</i>	\$550,000 <i>La Mirada SCC Isolation Valve</i>
Phase 2	\$255,000 <i>Laterals 7-9</i>	\$550,000 <i>Laterals 10-16, 28</i>
Phase 3	<i>Valves, construction/contract management, shutdown coordination</i>	\$265,000 <i>Laterals 22, 25, 26, 27</i>
<b>Total Costs</b>	<b>\$1,100,000</b>	<b>\$1,365,000</b>



LATERAL REHABILITATION CONSTRUCTION PHOTOS – PHASE 2 AND 3

BEFORE REHAB

AFTER REHAB

LAT  
7-L



LAT  
7-R



LAT  
8-L





**BEFORE REHAB**

**AFTER REHAB**

LAT 9-L



LAT 10-L



LAT 11-R



LAT 12-L



6



**BEFORE REHAB**

**AFTER REHAB**

LAT  
13-L



LAT  
14-L



LAT  
15-L



LAT  
16-L



7





**BEFORE REHAB**

**AFTER REHAB**

**LAT 22-R**



**LAT 25-L**



**LAT 26-L**



**LAT 27-R**



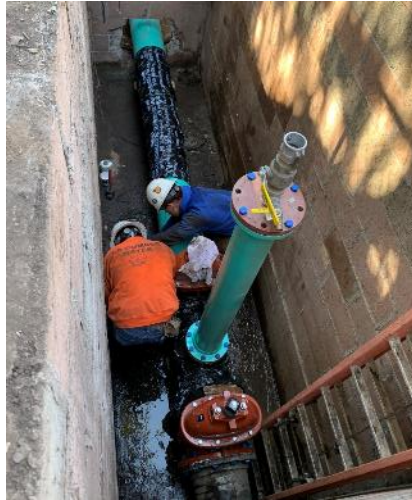


LAT  
28-L

**BEFORE REHAB**



**AFTER REHAB**



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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	November 18, 2024
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

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**SUBJECT:** El Jaro Creek Rancho San Julian and Quiota Creek Crossings 4, 3, 8, and 1 Fish Passage and Habitat Enhancement Project - Final Project Report

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**RECOMMENDATION:**

The Board of Directors receive and file the final report on the El Jaro Creek Rancho San Julian and Quiota Creek Crossings 4, 3, 8 and 1 Fish Passage and Habitat Enhancement Project.

**SUMMARY:**

***Project Description:*** Extreme streamflow events in the winter of 2023 and 2024 damaged some of the instream elements of the El Jaro Creek Rancho San Julian and Quiota Creek Crossings 4, 3, 8, and 1 projects that were originally completed in 2008, 2016, 2015, 2019 and 2013, respectively. Just upstream of the fishway on El Jaro Creek at Rancho San Julian, the western bank was falling into the creek and the eastern bank was aggrading that caused partial blockage of the upstream entrance to the fishway and the potential for flanking of the ranch road entrance bridge and fishway (Figure 1). Rock slope protection (RSP) was added to the toe of slope for the failing bank to provide bank stabilization, the aggraded sediments on the other side of the channel were removed that slightly straighten the channel for better flow conveyance and habitat upstream of the fishway, the roadside drain was reconfigured, and the disturbed slopes were revegetated (Figure 2).

At Quiota Creek, Crossing 4 required repairing some bank RSP on the upstream and downstream sides of the bridge, replacing a washed out rootwad and reconfiguring the low flow channel upstream of the bridge (Figure 3 and 4). At Crossing 3, washed out RSP under a large oak tree was replaced and the upstream scour pocket was enhanced with more RSP, both for bank stabilization (Figures 5 and 6). At Crossing 8, a small groin was added just upstream of the bridge to better direct the streamflow through the bridge and increase scour. Aggraded sediments in the two rock weir pools were removed and rocks were added to the downstream rootwad to prevent further erosion and to maintain the created pool (Figures 7 and 8). At Crossing 1, RSP was added under a large oak tree just downstream of the bridge (Figures 9 and 10).

***Project Location:*** The project on El Jaro Creek is located just upstream of the entrance bridge to Rancho San Julian off of Highway 1 south of the City of Lompoc. The Quiota Creek focused projects are located on S. Refugio Road, south of the town of Santa Ynez approximately 5 miles.

***Contractor:*** Peter Lapidus Construction (PLC); the construction contractor who was awarded the contract for both projects for a total of \$296,689 with a \$50,000 change order (CO-1) and was issued a Notice to Proceed on 9/19/24.

***Design Engineer:*** Michael Garelo and Shaun Bevan, HDR Fisheries Design Center.

**Project Status:**

Status	Time
Notice to Proceed	9/19/24
El Jaro Creek Rancho San Julian:	
Construction start	9/23/24
Construction end	10/1/24
Revegetation completed	10/28/24
Quiota Creek Crossings 4, 3, 8, and 1:	
Construction start	10/2/24
Construction end	10/8/24
Revegetation completed	10/30/24

**Work Performed to Date:** PLC successfully completed all the required construction tasks for both projects on 10/8/24. Construction of the El Jaro Creek Rancho San Julian Project started on 9/23/24 and ended on 10/1/24, with the site revegetation completed by COMB Fisheries Division (FD) on 10/28/24. The construction of the Quiota Creek focused projects at Crossings 4, 3, 8, and 1 started on 10/2/24 and was completed on 10/8/24 with the revegetation effort completed by COMB-FD on 10/30/24.

All elements of each project were constructed under guidance of the onsite HDR fish passage engineers. Upon construction completion, the contractor cleaned up the site and demobilized. COMB-FD performed all of the revegetation effort and installed a minor irrigation system at the Rancho San Julian site for 10 planted arroyo willows that will be removed once the trees become established. The As-Built conditions are provided in the figures below. The project oversight engineers, COMB management, and the landowners were very pleased with the outcome of both projects.

**Pending Work:** Complete the End of Project Reports for the regulatory agencies and obtain As-Built drawings from HDR for both projects.

**FINANCIAL IMPACT:**

The Renewal Fund and Fiscal Year 2024 Unexpended Funds were used for construction expenditures. The Fiscal Year 2023-24 and 2024-25 Operating Budgets were used for HDR engineering design support and oversight, environmental permits and miscellaneous revegetation expenses. A minor biological study was required for the permitting process and was performed by Storrer Environmental. A summary of the expenditures for the project are presented below in Table 1.

**Table 1. Summary of Expenditures for the Project**

Total Expenditures:	FY24	FY25	TOTAL
Construction:		\$346,689.00	\$346,689.00
Design Support/Engineering Oversight		\$15,293.80	\$15,293.80
Revegetation materials:		\$3,304.07	\$3,304.07
Permits/Environmental Fees:	\$7,731.46	\$8,150.12	\$15,881.58
<b>Total Paid:</b>	<b>\$7,731.46</b>	<b>\$373,436.99</b>	<b>\$381,168.45</b>

**LEGAL CONCURRENCE:**

COMB legal counsel reviewed all contract documents related to the project.

**ENVIRONMENTAL COMPLIANCE:**

All permits were obtained and followed throughout the project. A Notice of Project Completion has been filed with the County.



**LIST OF EXHIBITS:**

Project photo documentation:



**Figure 1:** El Jaro Creek at Rancho San Julian fishway showing the pre-project conditions of bank failure, sediment aggregation, and partial occlusion of the upstream entrance to the fishway.





**Figure 2:** El Jaro Creek at Rancho San Julian fishway showing the As-Built (current) condition with the stabilized western bank, removed aggregated sediment on the eastern bank, partially straightened stream channel, road drain fix, and revegetation.



**Figure 3:** Quiota Creek Crossing 4 showing the pre-project condition.





**Figure 4:** Quiota Creek Crossing 4 showing the post-project (As-Built) condition.



**Figure 5:** Quiota Creek Crossing 3 showing the pre-project condition.



**Figure 6:** Quiota Creek Crossing 3 showing the post-project (As-Built) condition.





**Figure 7:** Quiota Creek Crossing 8 showing the pre-project condition.



**Figure 8:** Quiota Creek Crossing 8 showing the post-project (As-Built) condition.





**Figure 9:** Quiota Creek Crossing 1 showing the pre-project condition.



**Figure 10:** Quiota Creek Crossing 1 showing the post-project (As-Built) condition.

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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.”*

November 18, 2024

**General Manager Report**

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

Administration

- **Contracts Executed by the General Manager – 1<sup>st</sup> Quarter Fiscal Year 2024-25**

Pursuant to the COMB Procurement Policy adopted by the Board, a quarterly report of all contracts executed by the General Manager for the period of July 1, 2024 through September 30, 2024 is presented for information.

Under the general procurement guidelines, Section 2 of the COMB Procurement Policy authorizes the General Manager to approve expenditures made for official Agency business up to a maximum of \$50,000, provided such expenditures are within the budget, as adopted by the Agency. Section 3(C) also provides that purchases of supplies, equipment, and non-professional services greater than \$10,000 and less than \$50,000, requires a minimum of two prices quotes be obtained and that the General Manager has authority to select and approve the vendor which meets the best interests of the Agency. Staff adheres to the Board adopted policy for the procurement of all goods and services.

Table 1 below lists all contracts executed by the General Manager for the period July 1, 2024 through September 30, 2024, sorted by execution date.

Table 1					
Contracts Executed by General Manager					
July 1, 2024 - September 30, 2024					
Vendor Name	Contract Description	Board Approved	Date Executed	Date Expires	Contract Amount
Flowers & Associates, Inc.	Lauro Reservoir Debris Basin Engineering Support	N/A	07/15/2024	10/31/2024	\$14,000
Cushman Contracting, Inv.	2023 Storm Damages Repair - Toro Canyon Blow-Off	N/A	07/17/2024	09/30/2024	\$12,100
HDR Engineering, Inc.	FY 2024-25 Annual Scope of Work - Habitat Improvement, Support & Maintenance	N/A	07/31/2024	06/30/2025	\$19,500
Flowers & Associates, Inc.	On-Call Engineering Services	N/A	08/15/2024	06/30/2025	\$15,000
Aspect Engineering Group	SCADA System - On-Call Support	N/A	08/21/2024	06/30/2025	\$20,000
Kenneth Knight Consulting	FY 2024-25 Scope of Work - Arborist Services	N/A	08/27/2024	06/30/2025	\$3,000
HDR Engineering, Inc.	FY 2024-25 Scope of Work - Design Support	N/A	08/28/2024	06/30/2025	\$8,000
HDR Engineering, Inc.	FY 2024-25 Scope of Work - Engineering Oversight	N/A	09/10/2024	06/30/2025	\$10,000
Earth Systems Pacific	Lauro Reservoir Outfall & GATO Access Road - Slide Evaluation & Repair	N/A	09/10/2024	09/30/2024	\$5,000
Peter Lapidus Construction, Inc.	2024 Storm Damage - Lauro Debris Basin Debris Removal	08/26/2024	09/17/2024	10/31/2024	\$156,400

Personnel

- **Professional Training**

COMB's Water Resources Analyst, Elijah Papen, completed a certification program at Portland State University on the subject of water quality modeling for lakes, rivers, and estuaries using CE-QUAL-W2 modeling. CE-QUAL-W2 is a two-dimensional (longitudinal and vertical) hydrodynamic and water quality model which was first recommended within the 2020 Lake Cachuma Water Quality and Sediment Management Study.

Virtual Meetings

- **Santa Barbara County Integrated Regional Water Management Program**

The quarterly Santa Barbara County Integrated Regional Water Management Program (IRWMP) meeting was held on Wednesday, November 13<sup>th</sup> wherein the attending cooperating partners received updates on IRWM initiatives, drought resilience, and new water management policies. IRWM Round 2, Cycle 1 Grantees presented their projects. Kevin Thompson from Santa Barbara County detailed Laguna Sanitation's Waller Park pipeline, designed to offset water usage and enhance discharge capacity. COMB's Joel Degner highlighted the Lake Cachuma Emergency Pumping Facility and Secured Pipeline, emphasizing the importance of water quality and preparing for drought and lake level fluctuations. Rodney Loehr from the City of Lompoc discussed the Water Leak Detection and Repair Rebate Program for water and cost savings. The Cooperating Partners also heard from Jason Johnston, Supervising Environmental Health Specialist, who presented Santa Barbara County's Groundwater Drought Resilience Plan (SB 552), addressing water security for vulnerable areas through both immediate and long-term solutions.

Additional updates covered NOAA's designation of the Chumash National Marine Sanctuary, the recent \$10 billion Proposition 4 Climate Bond with funds available for water quality and wildfire prevention, and the 2024 Watershed Resilience Program guidelines released by DWR to enhance climate adaptation and equitable water resilience. Federal and state funding opportunities from NOAA, EPA, BOR, and DWR were also outlined, supporting various water efficiency and habitat restoration projects, including those relevant to COMB, such as fish passage and stream gauge improvements.

U.S. Bureau of Reclamation

- **Cachuma Project Section 7 Consultation Process**

The 2000 Biological Opinion addresses the effects of the proposed Cachuma Project operations on steelhead and its designated critical habitat in accordance with Section 7 of the Endangered Species Act of 1973.

On behalf of the U. S. Bureau of Reclamation, COMB is responsible for implementation of the 2000 Biological Opinion and Fish Management Plan related to the Cachuma Project on the Santa Ynez River. These activities include ongoing scientific studies along the river, monitoring and recording changing conditions, and implementation of fish passage improvements as outlined in the 2000 Biological Opinion. In addition, a consensus based, long-term Fish Management Program was developed which provides protection for steelhead/rainbow trout downstream of Bradbury Dam through a combination of water releases from Bradbury Dam, through the Hilton Creek watering system and the removal or modification of numerous fish passage barriers to steelhead on tributaries to the mainstem Santa Ynez River. By implementing these actions, stakeholders in the Cachuma Project have created significant additional habitat for steelhead within the Santa Ynez River watershed.

COMB staff has been requested by Reclamation to participate and provide technical assistance (only) related to the fishery, habitat conditions and COMB operational procedures for the federal consultation process between Reclamation and NMFS. Staff provides technical and field observation information to Reclamation as requested.

- **State Water Board Order Compliance Process – Value Planning Study**

As previously mentioned, Reclamation conducted a weeklong Value Planning Study during September to produce an interim guidance document as the first step in a focused planning effort for compliance with Term 24(a) of the 2019-0148 Water Board Order. Term 24(a) requires Reclamation to study and evaluate options of providing steelhead passage of adults and smolts around Bradbury Dam. COMB staff participated and offered valuable input and professional expertise on the elements for consideration in the value planning study session.

Reclamation submitted an addendum (Fish Passage Study Plan outline) to their previously submitted (9/16/2024) Term 20 Plan (*primary plan to complete all required plans within WRO 2019-0148*) to meet the September 18, 2024 deadline imposed by the Water Board. Reclamation has until June 2026 to submit the final Term 24(a) plan to the Water Board.

- **Cachuma Releases Discussions**

Staff has been engaged recently with Reclamation on a weekly basis to discuss the rate of reductions to releases from the outlet works at Bradbury Dam. The purpose of the discussions is to collaborate with Reclamation to ensure operational compliance targets are met in conjunction with the additional objective of protecting the fishery downstream of the Dam. Reclamation continues to coordinate with COMB staff to achieve both objectives.

Respectfully Submitted,

*Janet Gingras*

General Manager

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# CACHUMA OPERATION AND MAINTENANCE BOARD

## MEMORANDUM

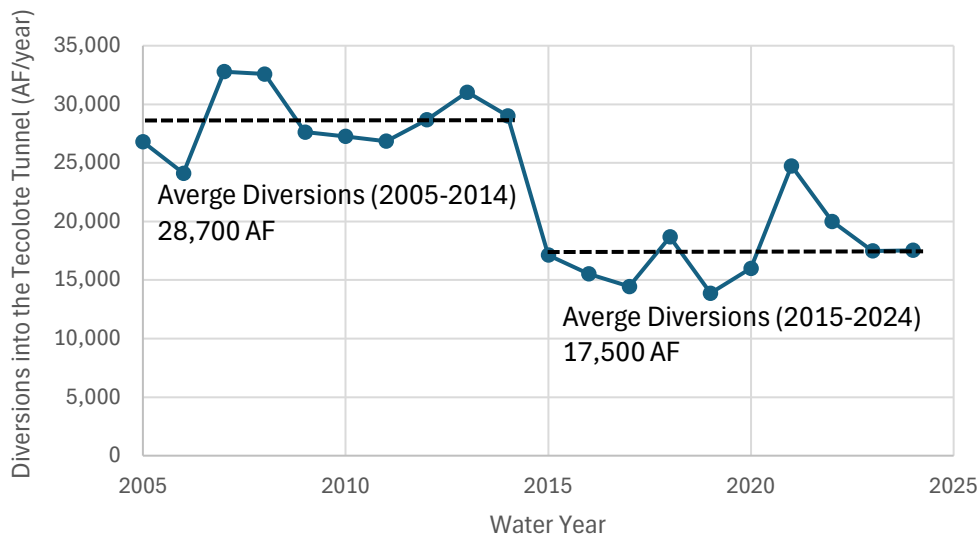
**DATE:** November 18, 2024  
**TO:** Janet Gingras, General Manager  
**FROM:** Joel Degner, Engineer/Operations Division Manager  
**RE: MONTHLY ENGINEERING REPORT**

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

Minimal rain has occurred thus far in Water Year 2024-2025. Rainfall totals are 14% of normal for the year for the County of Santa Barbara. Antecedent moisture conditions are dry and live fuel moisture is measured at 63% as of 10/2/24. Live fuel moisture of 60% or less is considered critical by Santa Barbara County Fire. The cumulative computed inflow to date (11-8-24) is less than 0 AF. According to the National Weather Service Climate Prediction Center - La Niña is favored to emerge in September-November (60% chance) and is expected to persist through January-March 2025.

The total water diverted into the Tecolote Tunnel was 17,500 AF in Water Year 2024 which matches the 10-year average diversion from 2015-2024 (Figure 1). Prior to 2015, the total water year diversion averaged 28,700 AF and the South Coast Conduit come close to its maximum delivery capacity (41 MGD) during the summer months to meet the water demands on the South Coast. The maximum daily delivery rate that was reached during 2024 was 26 MGD. The reduction in demands is likely due to continued investment and utilization of alternate sources of water by COMB's member agencies (groundwater, Jameson/Gibraltar, desalination, recycled water), continued water conservation measures, and a wet year that reduced outdoor irrigation demands.



**Figure 1.** Water Year Total Diversions to the Tecolote Tunnel from 2005 to 2024.

### LAKE ELEVATION

The lake elevation projection is provided in Figure 1 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 winter occurs this year. Figure 3 provides the lake elevation based on the last 25 years of hydrology from water year 2000 to 2025. Running the

last 25 year of hydrology through the model with a starting elevation of 747.58' on November 1, 2024 results in spillway releases in 11 out of the 25 years (44 percent). Additionally, 11 out of the 25 years are dry with minimal increase in storage due to rainfall and runoff (44 percent). Based on the past hydrology, the runoff in the lake is generally high or low and the average runoff condition has a low frequency of occurrence.

Parameter	Optimistic	Realistic	Conservative
SCC Exports	80% Forecast	Forecast	120% of Forecast
CCWA Inflow	120% Forecast	Forecast	80% of Forecast
WR 89-18 Release (2025)	0 AF	0 AF	11,500 AF
WR 89-18 Release (2026)	17,000 AF	17,000 AF	17,000 AF
Fish Releases	120% of Rec Tables	100% of Rec Tables	140% of Rec Tables

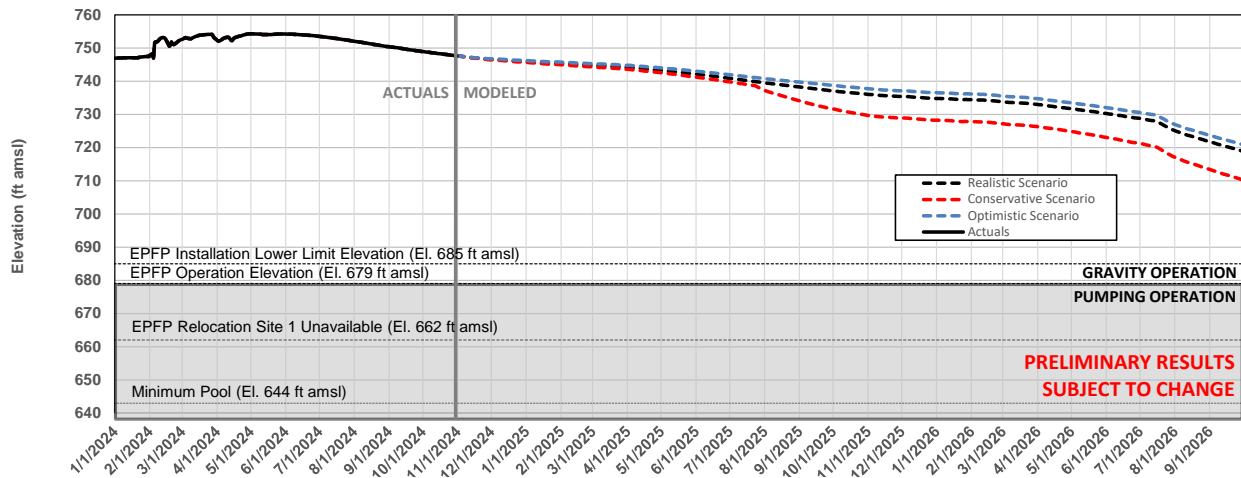


Figure 2. Lake Cachuma Elevation assuming dry conditions in Water Year 2025 (as of 9/19/2024)

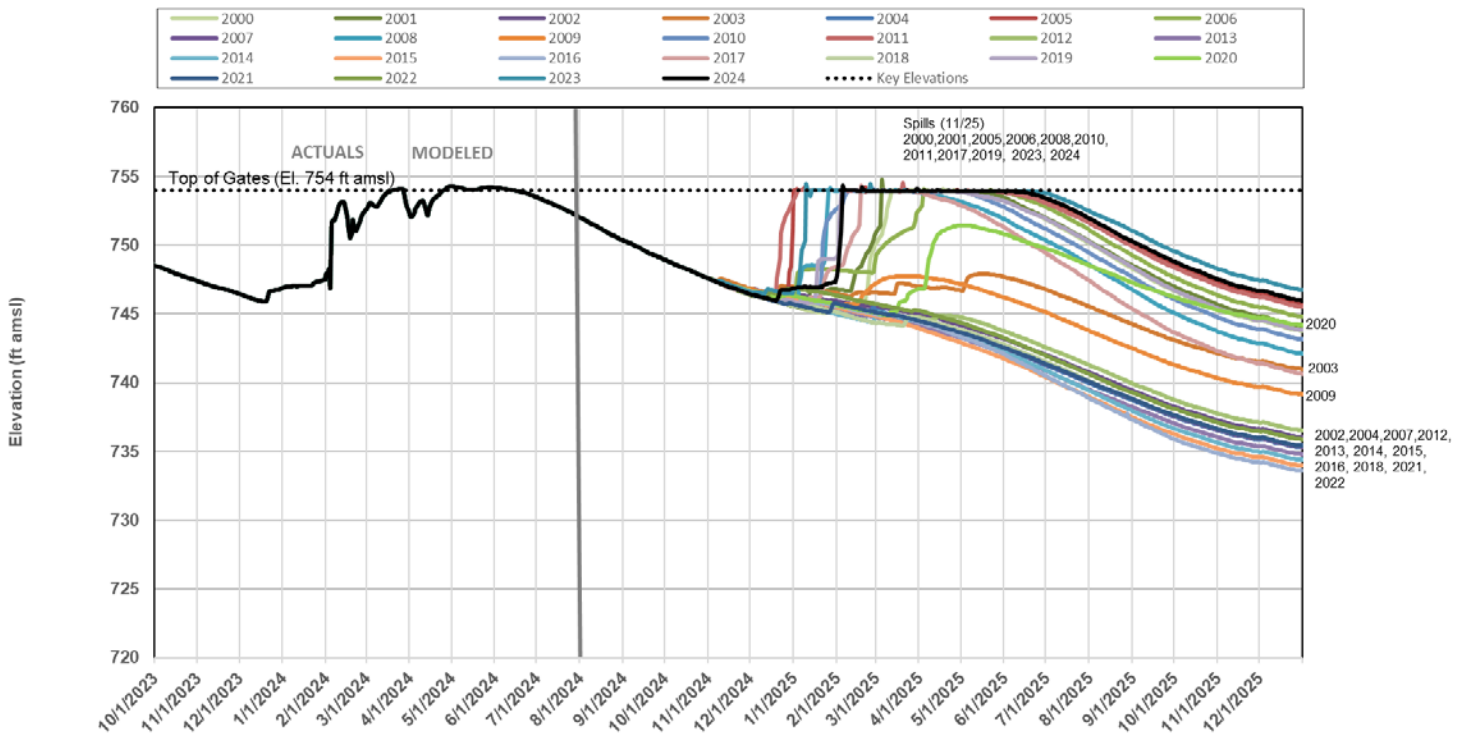


Figure 3. Lake Cachuma Elevation assuming a repeat in hydrology of Water Years 2000-2024



**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. All projects from DR-4683 have been obligated and FEMA and COMB conducted the recovery transition meeting on 11/12/24. Actual funding has not been received for two obligated projects to date.

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

Site	Cat	Location	Work Type	Estimated Cost	% Complete	Estimated Reimbursible	Received as 11/13/24	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 Facilites	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	Obligated
Blowoff Repairs	G	Montecito Blowoff Repair	Force Account	\$ 4,290	100%	\$4,022	\$69,978	Funded
		Toro Canyon Blowoff Repair	Contract	\$ 70,354	100%	\$65,957		
Administration	Z	COMB Adminstrative Costs	Force Account	\$ 17,365	100%	\$16,280	\$0	Obligated
<b>Total</b>				<b>\$ 729,091</b>	<b>100%</b>	<b>\$ 617,572</b>	<b>\$398,356</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. Sediment removal for Lauro Debris Basin was completed on October 10, 2024. A total of 2,381 cubic yards of sediment were removed (Figure 4). 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 were installed in October 2024 to protect the slopes through the rainy season.

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

Site	Cat	Location	Work Type	Estimated Cost	% Complete	Estimated Reimbursible	Received as 11/13/24	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	\$ 7,823	100%	\$7,334	\$0	Pending EHP Review
Lauro Debris Basin Sediment Removal	D	Lauro Reservoir	Contract	\$ 194,400	100%	\$172,875	\$0	Pending PDMG Scope & Cost Routing
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>\$ 668,223</b>	<b>75%</b>	<b>\$ 618,709</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 damages 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. FEMA has reviewed the subapplication and COMB staff is responding to request for information from FEMA on the subapplication. 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.



**Figure 4.** Lauro Debris Basin Pre-Clearing (left, September 2024) and post clearing (right, October 2024)

COMB staff determined that the underdrain system had been contaminated and clogged with fine clays which may have resulted in the new dewatering pump failing this year after only one year of service. COMB requested a quote from Peter Lapidus to assist with the excavation of the underdrains for a total of \$17,400. COMB staff provided the materials (gravel, perforated pipe, and filter fabric) and assistance with the drain replacement to reduce cost (see Operations Report for photos). The new drains should better filter the water and protect the replacement pump from premature failure.

The Boy Scout Debris Basin had been filled with sediment in the 2023 and 2024 winter storms. Boy Scout Debris basin is in the eastern portion of Lauro Reservoir and was originally built as a Boy Scout project in the 1960s. FEMA requires maintenance records to document that the facilities were maintained and cleared prior to disaster events. COMB did not have good maintenance records or a reliable way to estimate how much debris was deposited in the Boy Scout Debris Basin to request public assistance funds to remove material from Boy Scout Debris Basin as part of the 2023 and 2024 disasters. COMB requested a quote from Peter Lapidus to clean out Boy Scout Debris Basin after the equipment was still on-site for the Lauro Main Debris Basin sediment removal project. The total cost of clearing the Boy Scout debris basin was \$44,900. After the basin was cleared, the clean basin was documented with transects and photos to allow a public assistance request for future disasters (Figure 6).





**Figure 6.** Boy Scout Debris Basin Sediment Removal

## 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 12 of 12 completed to date. Phase 3 (4 additional laterals) was approved in September and worked was completed by the end of October.	In order to facilitate shutdowns on the Lower Reach of the SCC, lateral valves need replacement. COMB is collaborating with CWWD on this project.	Completed October 2024
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 responding to an RFI from FEMA regarding the grant application.	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 and selected an engineering contractor to assist with the inspection. Following the inspection results COMB plans to take the next phase for design support to the COMB board for approval in January. Reclamation is planning to conduct the inspection in December 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.	Tunnel inspection is planned for mid-December with followup engineering analysis into Spring 2025.
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. Log boom has been delivered to the lake.	Existing log boom broke ~10 times in FY 2023-2024 and it helps protect the tower from floating debris as well as boaters.	Log boom was delivered to the lake in mid-November and should be installed by the end of November.
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). Sediment removal at Lauro Debris basin was completed in October 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.

## CACHUMA OPERATION AND MAINTENANCE BOARD

**DATE:** November 18, 2024  
**TO:** Janet Gingras, General Manager  
**FROM:** Shane King, Operations Supervisor  
**RE:** **MONTHLY REPORT OF OPERATIONS – September/October 2024**

The total flow from Lake Cachuma into the Tecolote Tunnel for September was 1,681.48 acre-feet, for an average daily flow of 56.05 acre-feet. Lake elevation was 750.32 feet at the beginning of September and 748.95 feet at the end of September. Lake storage decreased by 4,313.22 acre-feet. There was 100.00 acre-feet of inflow from CCWA into Cachuma Project facilities this month. The City of Santa Barbara wheeled 813.55 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized and delivered 411.95 acre-feet of water to Hilton Creek for the month of September.

The total flow from Lake Cachuma into the Tecolote Tunnel for October was 1,601.63 acre-feet, for an average daily flow of 51.66 acre-feet. Lake elevation was 748.91 feet at the beginning of October and 747.58 feet at the end of October. Lake storage decreased by 4,056.71 acre-feet. There was 0.00 acre-feet of inflow from CCWA into Cachuma Project facilities this month. The City of Santa Barbara wheeled 795.13 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized and delivered 419.82 acre-feet of water to Hilton Creek for the month of October.

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)
Upper	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
Lower	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 September/October 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 164 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:**

- COMB hired Peter Lapidus Construction to remove the silt and debris from Boy Scout debris basin. This basin collects runoff and debris entering from the eastern portion of Lauro reservoir. (see photos)
- COMB hired Peter Lapidus Construction to remove the silt and debris from Lauro reservoir's main debris basin. This basin collects runoff and debris entering from the northern portion of Lauro reservoir. COMB clears this basin on an annual basis. COMB staff provided the debris loading and disposal monitoring (see photos)
- Staff repaired a small slide and washout at the North Portal site at Cachuma lake. The slide occurred on COMB's alternate access road to the North Portal building and intake tower. It is important to keep these roads functional to maintain immediate access in the event of an emergency. (see photos)
- COMB hired Farwest corrosion control to conduct the annual assessment of its cathodic protection systems. There are four sites that need to be analyzed which include Lauro yard influent line, the "cornfield" meter and isolation valves in the Carpinteria section of the SCC, The isolation valves in front of Carpinteria high school, and the isolation valves in front of the Girls Inc. location in Carpinteria.
- Operations staff repaired a portion of the underdrain system in the Lauro debris basin with excavation assistance from Peter Lapidus Construction. The pipe was broken in several spots which filled the drain pipe with mud and rocks. In turn, the underdrain system was not functioning properly and caused the dewatering pump to break. (see photos)
- Operations staff assisted the fisheries department with planting small willow trees and installing erosion control on the creek embankment stabilization project near the El Jaro creek fish passage.
- After consulting with USFWS and Storrer Environmental, COMB staff removed an inactive osprey nest that was constructed during the summer from the intake tower hoist railing. Staff built a new nesting platform 1000 feet away from the tower and rebuilt a nest in an alternate location based on recommendations from USFWS and Storrer Environmental. (see Photos)

- 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 and CVWD staff to ensure work goes smoothly and to specification. The last phase of this work is now complete and all of the original lateral piping and valves have been replaced in the Carpinteria section of the SCC.
- Papich Construction performed grinding and repaving on Highway 192 near Toro Canyon Road to Nidever Rd. COMB has four manhole structures located in the highway. Papich was going to lower and raise the manhole structures as part of the paving contract. They were able to grind closely with smaller equipment around the manholes and did not need to modify them.
- Quinn performed annual maintenance and load bank testing for the emergency backup generators at the North Portal and at Lauro Yard in early October.



**Boyscout debris basin soil removal**



**Lauro reservoir main debris basin**





***North Portal Secondary Access Road Repair***





***Lauro debris basin underdrain repair***



*Osprey nest construction*



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

**DATE:** November 18, 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 6.25 cfs) plus upper basin flows (approximately 0.1 cfs since September and into mid-November) 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 5 cfs as of 10/1/24 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.
  - USBR declared the end of the 2024 Spill on 6/21/24 and started debiting fish releases on 6/22/24. Since then, ramp-down has been conducted through the Outlet Works to meet Table 2 flows.
- Stranding surveys during spill ramp-downs and throughout the dry season have been continued as USBR adjusts dam releases in compliance with Table 2 flows. Multiple small reductions in dam releases have been made by USBR over the last couple months to be at or above 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 (and beyond) in compliance with WRO 2019-0148 Table 2 flow requirements at Highway

154 Bridge and Alisal 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. From the beginning of September to the end of October, Outlet Works releases went from 54 af to 25 af. Flow cuts since 10/1/24 occurred on 10/9/24 (2 cfs), 10/10/24 (1 cfs), 10/16/24 (2 cfs), 10/17/24 (1 cfs), 11/1/24 (1 cfs), and 11/8/24 (2 cfs). USGS recorded discharge at the Highway 154 Bridge and Alisal Bridge were at or above 18 cfs and 12 cfs, respectively. The objective of USBR is to keep the flow at the compliance points at or above approximately double the target flow amount for a margin of safety given many uncertainties in river flow.

**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 (and final) snorkel survey started in October and will be finished as soon as possible. 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 for the LSYR at the Highway 154 Bridge and Alisal Bridge. COMB-FD conducts spot flow measurements when requested.

Multiple moderate rainfall events in late March and April were sufficient to continue elevated baseflow conditions through the summer and into the fall in both Hilton Creek and the LSYR.

The minimum target flow of 2 cfs to Hilton Creek was met throughout September and October with HCWS gravity flow to the URP and a small amount to the LRP (approximately 6.25 cfs) and upper basin flows (approximately 0.1 cfs since the end of September) for a total of approximately 6.3 cfs throughout October 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 (5 cfs as of 10/1/24). 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 28-21 cfs and 24-16 cfs throughout October, respectively, and down to 12 cfs at Alisal Bridge on 11/13/24. The USGS stream gage at the Highway 154 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:**

The two fish passage and habitat enhancement projects (4 on Quiota Creek and 1 on El Jaro Creek) were successfully completed on 10/30/24 and are reported separately to the Board. All permit compliance measures were followed throughout the projects.

**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 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 that was reviewed by the collective group and then submitted to USBR on 11/12/24.

**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 (VPS) 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. The final report from the VPS effort is under review by the group of participants.

**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 10/31/24, 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	5,527	0
<b>Unallocated Project Water</b>		3,011	-3,011
<b>Total:</b>	9,227	8,538	689
* 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 10/31/24.			
*** 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 is working 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 Garelo and Shaun Bevan) – HDR has been conducting engineering oversight for the two tributary enhancement projects and performance evaluations for the existing tributary projects as required by the project permits.

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

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	November 18, 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 (11/1/23 – 11/18/24, 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.

	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	Oct 2024	Nov 2024
<b>Year 13 Oaks (2021-2022)</b>	Irrigated Weeded	Irrigated Weeded			Weeded	Weeded	Weeded	Weeded	Weeded	Weeded	Weeded	Weeded	Weeded
											Repair		
<b>Year 12 Oaks (2020-2021)</b>		Irrigated Weeded						Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded		Irrigated Weeded
<b>Year 11 Oaks (2019-2020)</b>	Irrigated Weeded										Irrigated Weeded	Irrigated Weeded	
<b>Year 10 Oaks (2018-2019)</b>												Irrigated Weeded	
<b>Year 9 Oaks (2016-2017)</b>													
<b>Year 8 Oaks (2015-2016)</b>													
<b>Year 7 Oaks (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



past two months. Dry season irrigation is continuing well into the fall since no appreciable rain has fallen this wet season in the Santa Ynez Valley.

**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

**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**METERED USE REPORT FOR SEPTEMBER 2024**

LATERAL/ STATION	NAME	ACRE FEET METERED	LATERAL/ STATION	NAME	ACRE FEET METERED
<b>CARPINTERIA WATER DISTRICT</b>			<b>GOLETA WATER DISTRICT</b>		
Boundary Meter - East		192.35	18+62	G. WEST	117.16
Boundary Meter - West		(3.67)	78+00	Corona Del Mar FILTER Plant	1022.40
				SWP CREDIT (Warren Act Contract)	0.00
				Raytheon (SWP) (Warren Act Contract)	0.00
				Morehart (SWP) (Warren Act Contract)	0.00
			<b>TOTAL</b>		<b>1,139.57</b>
			<b>MONTECITO WATER DISTRICT</b>		
			260+79	BARKER PASS	60.18
			386+65	MWD YARD	7.94
			487+07	VALLEY CLUB	5.20
			499+65	E. VALLEY-ROMERO PUMP	152.72
			510+95	MWD PUMP (SWD)	9.59
			510+95	ORTEGA CONTROL	11.48
			526+43	ASEGRA RD	5.03
			555+80	CO. YARD	0.00
			583+00	LAMBERT RD	3.94
			599+27	TORO CANYON	12.14
				SWP CREDIT (Warren Act Contract)	0.00
				City of SB / MWD WSA ("Desal")	(117.38)
			<b>TOTAL</b>		<b>150.84</b>
			<b>CITY OF SANTA BARBARA</b>		
			CATER	INFLOW	1,470.46
			Gibraltar	PENSTOCK	(813.55)
			CATER	SO. FLOW	(681.18)
			Sheffield	SHEF.LIFT	170.61
				SWP CREDIT (Warren Act Contract)	0.00
				La Cumbre (SWP) (Warren Act Contract)	(65.77)
				City of SB / MWD WSA ("Desal")	117.38
			<b>TOTAL</b>		<b>197.94</b>
			<b>SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, ID#1</b>		
				COUNTY PARK, ETC	2.23
			<b>TOTAL</b>		<b>2.23</b>
			<b>BREAKDOWN OF DELIVERIES BY TYPE:</b>		
				STATE WATER DELIVERED TO LAKE	101.00
				STATE WATER TO SOUTH COAST including from stored	65.77
			<b>METERED DIVERSION</b>		<b>1,679.26</b>
<b>SWP CREDIT (Warren Act Contract)</b>		<b>0.00</b>			
<b>TOTAL</b>		<b>188.68</b>			
Note:	Meter reads were taken on: 9/30/2024				

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

**CACHUMA OPERATION AND MAINTENANCE BOARD  
WATER PRODUCTION AND WATER USE REPORT  
FOR THE MONTH OF SEPTEMBER 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)	1,745.0	15,993.9
Tecolote Tunnel Infiltration	95.3	1,161.8
Cachuma Lake (County Park)	2.2	20.3
<b>Subtotal - Water Production</b>	<b>1,842.5</b>	<b>17,176.1</b>
<b>WATER DELIVERIES:</b>		
State Water Diversion	65.8	379.8
Cachuma Diversion	1,679.3	16,312.4
Storage gain/(loss) <sup>(2)</sup>	(27.0)	(1.5)
<b>Subtotal - Water Deliveries</b>	<b>1,718.0</b>	<b>16,690.7</b>
<b>Total Water Production</b>	<b>1,842.5</b>	<b>17,176.1</b>
<b>Total Water Deliveries</b>	<b>1,718.0</b>	<b>16,690.7</b>
<b>Difference = Apparent Water Loss</b>	<b>124.5</b>	<b>485.3</b>
% Apparent Water Loss	6.76%	2.83%

**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>485.3</b>
<b>Total AWL Incurred (WYTD)</b>					<b>485.3</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	839.2	197.9	139.1	81.8	2.2	1,260.2
Agricultural	300.4	0.0	11.8	106.9	N/A	419.0
<b>Subtotal Project Water Use</b>	<b>1,139.6</b>	<b>197.9</b>	<b>150.8</b>	<b>188.7</b>	<b>2.2</b>	<b>1,679.3</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>1,139.6</b>	<b>197.9</b>	<b>150.8</b>	<b>188.7</b>	<b>2.2</b>	<b>1,679.3</b>
<b>WATER YEAR-TO-DATE</b>						
Water Usage						
M&I	8,619.4	2,252.8	988.6	1,257.4	20.3	13,138.5
Agricultural	1,871.1	0.0	82.6	1,230.5	N/A	3,184.1
<b>Subtotal Project Water Use</b>	<b>10,490.5</b>	<b>2,252.8</b>	<b>1,071.2</b>	<b>2,487.8</b>	<b>20.3</b>	<b>16,322.6</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>10,573.5</b>	<b>2,381.6</b>	<b>1,104.1</b>	<b>2,514.8</b>	<b>57.0</b>	<b>16,631.0</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 SEPTEMBER 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>	6,853.0	1,026.0	827.8	1,407.1	14.2	10,128.1
Allocation Available Before Adjustments	2,469.0	7,251.0	1,823.2	1,405.9	2,636.8	15,585.9
<b>Adjustments to Allocation (WYTD)</b>						
State Water Exchange <sup>(5)</sup>	630.0	422.0	422.0	279.0	(1,753.0)	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 <sup>(10)</sup>	0.0	297.97	(297.97)	0.0	0.0	0.0
Transfers/Adjustment - GWD/SB Overlap <sup>(11)</sup>	(181.05)	181.05	0.0	0.0	0.0	0.0
<b>Balance Current Year Allocation</b>	<b>6,143.3</b>	<b>8,674.4</b>	<b>2,169.9</b>	<b>2,447.2</b>	<b>1,445.9</b>	<b>20,880.6</b>
<b>Total Cachuma Project Water Available</b>	<b>6,143.3</b>	<b>8,674.4</b>	<b>2,169.9</b>	<b>2,447.2</b>	<b>1,445.9</b>	<b>20,880.6</b>

**ACCUMULATED DROUGHT WATER CREDIT (ADWC) BALANCE <sup>(11)</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>6,143.3</b>	<b>8,674.4</b>	<b>2,169.9</b>	<b>2,447.2</b>	<b>1,445.9</b>	<b>20,880.6</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 99 AF; City of SB received 66 AF; MWD received 66 AF; and CVWD received 44 AF from ID#1 in September 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) Transfer per Juncal agreement between SB & MWD (297.97AF)
- (11) Transfer per Overlap agreement between GWD & SB (181.05 AF)
- (12) ADWC accrual for WY 2023 and WY 2024 is pending Reclamation determination
- (13) Memo only - State Water Deliveries to Lake Cachuma for September 2024 was 101 AF
- (14) Memo only - MWD has received 352.14 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: **SEPTEMBER 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>543.8</b>	Feet
Water in Storage	405.83	AF

**ORTEGA RESERVOIR**

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	<b>447.5</b>	Feet
Water in Storage	21.10	AF

**CARPINTERIA RESERVOIR**

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	<b>375.5</b>	Feet
Water in Storage	24.59	AF

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

Change in Storage	-28.80	AF
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**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>748.95</b>	Feet
Water in Storage	<b>180,594</b>	AF
Surface Area	<b>2,988</b>	Acres
Evaporation	<b>1,207.4</b>	AF
Inflow	<b>435.4</b>	AF
Downstream Release WR8918	<b>0.0</b>	AF
Fish Release (Hilton Creek)	<b>412.0</b>	AF
Outlet	<b>1553.0</b>	AF
Spill/Seismic Release	<b>0</b>	AF
State Water Project Water	<b>100.0</b>	AF
Change in Storage	<b>-4,313</b>	AF
Tecolote Diversion	<b>1,681.5</b>	AF

**Rainfall:                      Month: 0.03                                      Year: 0.03                                      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: **Goleta Water District**  
 Update by COMB 9/30/2024

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	6,514.3	9,322.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	6,514.3	9,322.0

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
756.2	244.7	1,000.9	36.9	1,000.9	1,037.9	778.1	259.8	-	-	-
642.3	185.0	827.3	21.3	827.3	848.6	654.3	194.3	-	-	-
549.0	136.8	685.8	9.8	685.8	695.6	554.1	141.5	-	-	-
586.8	27.6	614.4	7.6	614.4	622.0	590.4	31.6	-	-	-
478.1	31.0	509.1	7.4	509.1	516.5	480.9	35.5	-	-	-
660.5	22.3	682.8	-	-	-	-	-	660.5	22.3	682.8
643.8	35.6	679.4	-	-	-	-	-	643.8	35.6	679.4
821.3	155.9	977.1	-	-	-	-	-	821.3	155.9	977.1
887.0	235.8	1,122.8	-	-	-	-	-	887.0	235.8	1,122.8
906.6	210.5	1,117.1	-	-	-	-	-	906.6	210.5	1,117.1
848.7	285.5	1,134.2	-	-	-	-	-	848.7	285.5	1,134.2
839.2	300.4	1,139.6	-	-	-	-	-	839.2	300.4	1,139.6
8,619.4	1,871.1	10,490.5	83.0	3,637.5	3,720.5	3,057.8	662.7	5,607.1	1,245.9	6,853.0

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	6,514.3	3,860.8	2,653.5	6,644.0	2,678.0	9,322.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	Surplus, Spill <sup>(1)</sup>	(2,793.8)	(803.0)	(1,990.8)	-	-
Mar	Surplus (+682.8AF)	-	-	660.5	22.3	682.8
Apr	Surplus, ID#1 Exch, Bishop Ranch <sup>(2)</sup>	-	-	754.1	38.3	792.4
May	Surplus (+977.1AF) + ID#1 Exch (+85AF)	-	-	876.5	185.6	1,062.1
Jun	Surplus (+785.9AF) + ID#1 Exch (+145AF)	-	-	702.1	228.8	930.9
Jul	ID#1 Exch (+170AF)	-	-	93.5	76.5	170.0
Aug	ID#1 Exch (+118AF)	-	-	24.8	93.2	118.0
Sep	GWD/SB Ovp + ID#1 Exch <sup>(3)</sup>	-	-	(126.6)	44.6	(82.1)

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	5,476.4	3,082.7	2,393.7	6,644.0	2,678.0	9,322.0
Nov	4,627.8	2,428.4	2,199.4	6,644.0	2,678.0	9,322.0
Dec	3,932.2	1,874.3	2,057.9	6,644.0	2,678.0	9,322.0
Jan	3,310.3	1,283.9	2,026.3	6,644.0	2,678.0	9,322.0
Feb	-	-	-	6,644.0	2,678.0	9,322.0
Mar	-	-	-	6,644.0	2,678.0	9,322.0
Apr	-	-	-	6,754.3	2,680.7	9,435.0
May	-	-	-	6,809.5	2,710.5	9,520.0
Jun	-	-	-	6,624.6	2,703.5	9,328.2
Jul	-	-	-	5,811.5	2,569.6	8,381.1
Aug	-	-	-	4,987.6	2,377.3	7,364.9
Sep	-	-	-	4,021.8	2,121.5	6,143.3

**Footnotes** **TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION)** **6,143.3**

- (1) Schedule and Revisions (February 2024) - Includes Surplus Water (+516.5AF) and Carryover Water Spilled (-3,310.3AF)
- (2) Schedule and Revisions (April 2024) - Includes Surplus Water (+679.4AF), ID#1 Exchange (+13AF), and Bishop Ranch Exchange (+100AF)
- (3) Schedule and Revisions (September 2024) - Includes GWD & SB Overlap agreement (-181.05AF) and ID#1 Exchange (+99AF)

**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 9/30/2024

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
197.9	-	197.9	-	-	-	-	-	197.9	-	197.9
2,252.8	-	2,252.8	128.8	1,226.8	1,355.6	1,355.6	-	1,026.0	-	1,026.0

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	-----	
Begin Bal	7,932.7	7,932.7	-	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
Apr	Surplus (+144.4AF) + ID#1 Exch (+9AF)	-	-	153.4
May	Surplus (+157.0AF) + ID#1 Exch (+57AF)	-	-	214.0
Jun	Surplus (+43.5AF) + ID#1 Exch (+97AF)	-	-	140.5
Jul	ID#1 Exch (+114AF)	-	-	114.0
Aug	ID#1 Exch (+79AF)	-	-	79.0
Sep	Juncal Trsrfr, GWD/SB Ovlp, ID#1 Exch <sup>(2)</sup>	-	-	545.0

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	-	-	-	8,674.4	-	8,674.4

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION)** 8,674.4

**Footnotes**

- (1) Schedule and Revisions (February 2024) - Includes Surplus Water (+321.9AF) and Carryover Water Spilled (-6,899.0AF)
- (2) Schedule and Revisions (September 2024) - Includes SB & MWD Juncal agreement (+297.97AF), GWD & SB Overlap agreement (+181.05AF), and ID#1 Exchange (+66AF)

**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 9/30/2024

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	-	-	-	-	-	36.8
-	-	-	-	-	-	-	-	0.8
90.7	4.9	95.6	-	-	-	-	-	90.7
119.6	8.1	127.7	-	-	-	-	-	4.9
191.5	16.5	208.0	-	-	-	-	-	95.6
190.7	17.3	208.0	-	-	-	-	-	119.6
139.1	11.8	150.8	-	-	-	-	-	8.1
988.6	82.6	1,071.2	32.9	243.4	276.3	247.6	28.6	127.7
								191.5
								16.5
								17.3
								11.8
								150.8
								59.4
								827.8

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

SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
Month	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	2,076.1	1,690.3	385.8	2,244.0	407.0	2,651.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	Surplus, Spill <sup>(1)</sup>	(1,799.8)	(357.2)	-	-	-
Mar	Surplus (+37.6AF)	-	-	36.8	0.8	37.6
Apr	ID#1 Exch (+9AF)	-	-	7.1	1.9	9.0
May	Surplus (+95.6AF) + ID#1 Exch (+57AF)	-	-	127.8	24.8	152.6
Jun	Surplus (+89.4AF) + ID#1 Exch (+97AF)	-	-	138.0	48.4	186.4
Jul	ID#1 Exch (+114AF)	-	-	62.7	51.3	114.0
Aug	ID#1 Exch (+79AF)	-	-	16.6	62.4	79.0
Sep	Juncal Trsfr (-297.97) + ID#1 Exch (+66AF)	-	-	(261.7)	29.7	(232.0)

BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
Month	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	-	-	-	2,003.7	549.0	2,552.7
Sep	-	-	-	1,603.0	566.9	2,169.9

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION)** 2,169.9

**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 9/30/2024

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
81.8	106.9	188.7	-	-	-	-	-	81.8	106.9	188.7
1,257.4	1,230.5	2,487.8	27.0	1,080.7	1,107.7	557.7	550.1	714.2	692.9	1,407.1

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	ID#1 Exch (+44AF)	-	-	24.2	19.8	44.0

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	-	-	-	1,261.6	1,185.6	2,447.2

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION)** 2,447.2

**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 9/30/2024

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
2.2	-	2.2	-	-	-	-	-	2.2	-	2.2
20.3	-	20.3	36.7	6.1	42.8	24.9	17.9	14.2	-	14.2

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	ID#1 Exch (-275AF)	-	-	(151.3)	(123.8)	(275.0)

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	2.2	-	-	-	378.8	1,067.1	1,445.9

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION)** 1,445.9

**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 9/30/2024

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr	TOTAL WATER USED				WATER USE CHARGED					WATER USE CHARGED		
			Acre-feet				Allocation					Allocation		
			Use %	M & I	Agr	Total	Evap	Div	Total	M & I	Agr	M & I	Agr	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	1,313.6	435.9	1,749.5	-	-	-	-	-	1,313.6	435.9	1,749.5
Sep	-	-	0.0	1,260.2	419.0	1,679.3	-	-	-	-	-	1,260.2	419.0	1,679.3
Total	20,788.6	25,714.0	0.4	13,138.5	3,184.1	16,322.6	308.4	6,194.5	6,502.9	5,243.6	1,259.3	8,129.9	1,998.2	10,128.1

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	1,063.7
Apr	Surplus, Bishop Ranch <sup>(2)</sup>	-	-	1,021.4	99.5	1,120.9
May	Surplus (+1,728.2AF)	-	-	1,384.2	344.0	1,728.2
Jun	Surplus (+1,381.9AF)	-	-	1,036.4	345.5	1,381.9
Jul	-	-	-	51.3	(51.3)	-
Aug	-	-	-	62.4	(62.4)	-
Sep	-	-	-	29.7	(29.7)	-

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	-	-	-	17,170.1	5,389.8	22,559.9
Sep	2.2	-	-	-	15,939.5	4,941.1	20,880.6

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION)** 20,880.6

**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)



November 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	747.58	176,537														
1	747.53	176,391	(146.8)	2,937.8	-	-	0.090	15.86	-	-	59.68	13.44	-	26.00	-	(31.86)
2	747.49	176,273	(117.5)	2,936.4	0.01	2.4	0.130	22.90	-	-	61.74	13.45	-	24.00	-	2.17
3	747.44	176,126	(146.8)	2,934.7	0.05	12.2	(0.030)	(5.28)	-	-	33.46	14.02	-	25.00	-	(91.87)
4	747.43	176,097	(29.4)	2,934.4	-	-	0.220	38.73	-	-	32.55	13.47	-	24.00	-	79.38
5	747.39	175,979	(117.5)	2,933.0	-	-	0.130	22.88	-	-	46.73	13.40	-	24.00	-	(10.46)
6	747.35	175,862	(117.5)	2,931.6	-	-	0.110	19.35	-	-	47.21	13.40	-	23.00	-	(14.51)
7	747.31	175,744	(117.5)	2,930.3	-	-	0.110	19.34	-	-	47.17	13.46	-	24.00	-	(13.50)
8	747.28	175,656	(88.1)	2,929.2	-	-	0.170	29.88	-	-	48.32	13.46	-	24.00	-	27.55
9	747.23	175,509	(146.8)	2,927.5	-	-	0.130	22.83	-	-	46.78	13.44	-	20.00	-	(43.78)
10	747.20	175,421	(88.1)	2,926.5	-	-	0.040	7.02	-	-	46.44	13.46	-	20.00	-	(1.17)
11	747.16	175,304	(117.5)	2,925.1	-	-	0.240	42.12	-	-	41.70	13.50	-	20.00	-	(0.15)
12	747.13	175,216	(88.1)	2,924.1	-	-	0.100	17.54	-	-	49.37	13.53	-	20.00	-	12.34
13	747.08	175,069	(146.8)	2,922.4	-	-	0.120	21.04	-	-	40.50	13.46	-	20.00	-	(51.83)
14	747.07	175,040	(29.4)	2,922.0	-	-	0.110	19.29	-	-	51.00	13.45	-	20.00	-	74.37
<b>Total</b>			<b>(1,497.75)</b>		<b>0.06</b>	<b>14.67</b>	<b>1.670</b>	<b>293.51</b>	<b>-</b>	<b>-</b>	<b>652.65</b>	<b>188.94</b>	<b>-</b>	<b>314.00</b>	<b>-</b>	<b>(63.32)</b>
<b>Minimum</b>	747.07	175,040	(146.84)	2,922.05	-	-	(0.030)	(5.28)	-	-	32.55	13.40	-	20.00	-	(91.87)
<b>Average</b>	747.29	175,692	(106.98)	2,929.65	0.00	1.05	0.119	20.97	-	-	46.62	13.50	-	22.43	-	(4.52)
<b>Maximum</b>	747.53	176,391	(29.37)	2,937.79	0.05	12.23	0.240	42.12	-	-	61.74	14.02	-	26.00	-	79.38

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 November pan factor: 72%
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: September 2024**



<b>Cachuma Lake Recreation Area Launch Data – September 2024</b>		
<b>Inspection Data</b>		
Total Vessels Entering Park	491	
Total Vessels Launched	480	
Total Vessels Quarantined	11	
Returning (Tagged) Boats Launched	392	82%
Kayak/Canoe: Inspected, launched	88	18%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
<b>Quarantine Data</b>		
Total Vessels Quarantined	11	
Quarantined 14 days	*	
Quarantined 30 days	11	
<b>Quarantine Cause</b>		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	2	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	11	
<b>Demographic Data</b>		
Quarantined from infected county	2	
Quarantined from SB County	9	
Quarantined from uninfected co	0	

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: 2024.09.15, 2024.09.24

Artificial Substrate & Surface Survey Date: 2024.09.24, 2024.09.24

Method: 5 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 748.96; Max acre-feet: 192,978, current: 180,624;

Capacity: 94% At of the end of the survey month.



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



<b>Cachuma Lake Recreation Area Launch Data – October 2024</b>		
<b>Inspection Data</b>		
Total Vessels Entering Park	458	
Total Vessels Launched	428	
Total Vessels Quarantined	30	
Returning (Tagged) Boats Launched	334	78%
Kayak/Canoe: Inspected, launched	94	22%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
<b>Quarantine Data</b>		
Total Vessels Quarantined	30	
Quarantined 14 days	*	
Quarantined 30 days	30	
<b>Quarantine Cause</b>		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	8	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	30	
<b>Demographic Data</b>		
Quarantined from infected county	8	
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: 2024.10.07, 2024.10.31

Artificial Substrate & Surface Survey Date: 2024.10.31, 2024.10.31

Method: 5 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 747.58; Max acre-feet: 192,978, current: 176,537;

Capacity: 91% At of the end of the survey month.