



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

**Monday, April 22, 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/82331714161?pwd=cFVJOXVrYXJlN2lTV2I3RUlsWk14UT09>

Passcode: 859715

**Join via Teleconference**

US 1 669 900 6833    Webinar ID: 823 3171 4161    Passcode: 859715

**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 key pad 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, April 22, 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 March 25, 2024 Regular Board Meeting
  - b. Investment of Funds
    - Financial Reports
    - Investment Reports
  - c. Review of Paid Claims
- 4. RESOLUTION NO. 797 – PRESIDENTIAL DISASTER DECLARATION (2024 WINTER STORMS)**  
Action: Recommend adoption by motion and roll call vote of the Board
- 5. FINANCIAL REVIEW – 3<sup>rd</sup> QUARTER FISCAL YEAR 2023-24**  
Action: Board receive and file information on the 3<sup>rd</sup> Quarter Fiscal Year 2023-24 Financial Review
- 6. PRESENTATION ON PHASE II WATER QUALITY AND SEDIMENT MANAGEMENT STUDY**  
Action: Board receive and file a presentation on the Phase II Water Quality and Sediment Management Study
- 7. VEHICLE REPLACEMENT PURCHASE – OPERATIONS DIVISION**  
Action: Recommend approval by motion and roll call vote of the Board
- 8. GENERAL MANAGER REPORT**  
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
  - Administration
  - FY 2023-24 Accomplishments / FY 2024-25 Internal Goals

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**9. ENGINEER'S REPORT**

Receive information from the COMB Engineer, including but not limited to the following:

- Climate Conditions
- Lake Elevation Projection
- Meter Accuracy Improvements
- Winter Storm Damage Repairs/Reimbursement
- Infrastructure Improvement Projects Update

**10. OPERATIONS DIVISION REPORT**

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

- Lake Cachuma Operations
- Operation and Maintenance Activities

**11. 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

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

Receive information regarding the Lake Cachuma Oak Tree Program including but not limited to the following:

- Maintenance and Monitoring

**13. 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

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

**15. [CLOSED SESSION]: ANNUAL PERFORMANCE REVIEW**

- a. [Government Code Section 54957(b)(1)] Title: General Manager

**16. [CLOSED SESSION]: CONFERENCE WITH LABOR NEGOTIATORS**

- a. [Government Code Section 54957.6(a)]

Agency designated representatives: Board President  
Unrepresented Employee: General Manager

**17. RECONVENE INTO OPEN SESSION**

[Government Code Section 54957.7]  
Disclosure of actions taken in closed session, as applicable  
[Government Code Section 54957.1]

- 15a. Annual Performance Review – General Manager
- 16a. Conference with Labor Negotiators

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**18. MODIFICATION OF GENERAL MANAGER'S COMPENSATION**

Action: At Board discretion, consideration and approval of modification to General Manager compensation

**19. MEETING SCHEDULE**

- **Regular Board Meeting – May 20, 2024 at 1:00 PM (Third Monday)**
- **Board Packages available on COMB website [www.cachuma-board.org](http://www.cachuma-board.org)**

**20. 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.

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**MINUTES OF REGULAR MEETING  
OF THE CACHUMA OPERATION AND MAINTENANCE BOARD**  
*held at*  
**3301 Laurel Canyon Road  
Santa Barbara, CA 93105  
Monday, March 25, 2024  
1:00 PM**

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**MINUTES**

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

The regular meeting of the Board of Directors was called to order by President Holcombe at 1:00 PM.

**Directors Present:**

Polly Holcombe, Carpinteria Valley Water District  
Lauren Hanson, Goleta Water District  
Cori Hayman, Montecito Water District \*  
Kristen Sneddon, City of Santa Barbara  
*(\*) Director Hayman arrived shortly after the start of the meeting.*

**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
Timothy Robinson, Fisheries Division Manager	Dorothy Turner, Administrative Assistant II
Shane King, Ops Supervisor/Chief Distribution Operator	

**Others Present:**

Dana Hoffenberg, City of Santa Barbara

**2. PUBLIC COMMENT**

There was no public comment.

**3. CONSENT AGENDA**

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

Ms. Gingras presented the Consent Agenda and asked Mr. Lyons to comment on the financial reports. Mr. Lyons reviewed revenues and expenditures of note, including remittances to E.H. Wachs, Manhole Covers Direct, Bartlett Pringle Wolf LLP and Geosyntec.

Director Hanson motioned to approve the Consent Agenda items, followed by a second from Director Sneddon. The motion carried with a vote of five in favor.

**Ayes:** Sneddon, Hanson, Holcombe

**Nays:**

**Absent:** Hayman

**Abstain:**

**4. VERBAL REPORTS FROM BOARD COMMITTEES**

- Fisheries Committee Meeting – March 19, 2024

Director Hanson reported out for the Fisheries Committee and noted that the Committee forwarded the items discussed to the Board for possible approval.

**5. PROPOSED COMMENT LETTER TO THE CALIFORNIA FISH AND GAME COMMISSION**

Mr. Robinson presented a review of the California Fish and Wildlife Commission report and explained how COMB's data had been incorporated into the report. Board members requested a number of edits to COMB's comment letter. Following discussion, President Holcombe solicited a motion.

Director Sneddon motioned to approve the letter with the edits requested. Director Hayman seconded the motion which carried unanimously with a vote of six in favor.

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

**Nays:**

**Absent:**

**Abstain:**

**6. PROPOSED FISH PASSAGE AND HABITAT ENHANCEMENT PROJECTS – FISCAL YEAR 2024-25 OPERATING BUDGET**

Mr. Robinson presented a series of slides illustrating various fish passage crossings. The slides compared as-built photos of the appearances of the crossings as compared with their current appearance following the recent storms. He recommended various repairs and itemized the costs for each crossing. Mr. Robinson outlined funding plans to cover the repairs. He fielded questions from the Board.

Director Hanson provided the motion to include the projects in the upcoming budget. Director Hayman seconded the motion which carried unanimously with a vote of six in favor.

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

**Nays:**

**Absent:**

**Abstain:**

**7. GENERAL MANAGER REPORT**

- Administration
- U.S. Bureau of Reclamation

Ms. Gingras presented the General Manager report and commented on COMB's application to change its drinking water discharge permit to one better suited to COMB operations. She provided an update on FEMA funding and reported that the IRWMP grant closeout is underway and that reimbursements should be released soon. Finally, she mentioned that surplus water remains available and fielded questions from the Board.

**8. ENGINEER'S REPORT**

- Climate Conditions
- Lake Elevation Projection
- Winter Storm Damage Repairs and Reimbursement
- Infrastructure Improvement Projects Update

Mr. Papen presented the Engineer's Report, first commenting on climate and reservoir conditions. No triggers currently exist for deployment of the Emergency Pumping Facility. He reported briefly on Infrastructure Improvement Projects and advised that rehabilitation of the remaining laterals and structures in the South Reach would begin soon. Finally, Mr. Papen noted that the final Cachuma water quality report is expected next month from Geosyntec.

**9. OPERATIONS DIVISION REPORT**

- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. King presented the Operations Division report and noted that staff anticipates the start of the final phase of the South Coast Conduit rehabilitation. Valve exercising is nearly complete and weed abatement is ongoing. Mr. King reported that GPS coordinates for structures are being updated as each structure is visited, using the accurate new GPS unit.

**10. FISHERIES DIVISION REPORT**

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

Mr. Robinson presented the Fisheries Division report, first providing an update on target flows and lake elevation. Mandatory monitoring efforts continue or are complete. As well, he noted that all fish accounts are full until the spill is over. Finally, Mr. Robinson advised that the annual reports are well underway. He fielded questions from the Board.

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

- Maintenance and Monitoring

Mr. Robinson reported that Oak tree inventory efforts are now more than 50% complete. Weather conditions continue to negate any need for irrigation. He also mentioned the recent repair to the water truck.

**12. MONTHLY CACHUMA PROJECT REPORTS**

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

Ms. Gingras presented the Cachuma Project Reports advising that they were routine. She reported that state water is now at 30% and reiterated that surplus water remains available due to the spill event.

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

There were no requests from directors for agenda items.

**14. MEETING SCHEDULE**

- **Regular Board Meeting – April 22, 2024 at 1:00 PM**
- **Board Packages available on COMB website [www.cachuma-board.org](http://www.cachuma-board.org)**

**16. COMB ADJOURNMENT**

There being no further business, the meeting was adjourned at 2:35 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 March 31, 2024  
**UNAUDITED FINANCIALS**

	March 31, 2024
<b>ASSETS</b>	
<b>Current Assets</b>	
<b>Checking/Savings</b>	
<b>Trust Funds</b>	
1210 · Warren Act Trust Fund	\$ 113,837.54
1220 · Renewal Fund	126,162.26
<b>Total Trust Funds</b>	<b>\$ 239,999.80</b>
1050 · General Fund	327,789.71
1100 · Revolving Fund	116,962.12
<b>Total Checking/Savings</b>	<b>684,751.63</b>
<b>Accounts Receivable</b>	
1301 · Accounts Receivable	1,570.00
<b>Total Accounts Receivable</b>	<b>1,570.00</b>
<b>Other Current Assets</b>	
1200 · LAIF	1,037,421.95
1010 · Petty Cash	500.00
1303 · Bradbury SOD Act Assessments Receivable	228,082.99
1304 · Lauro Dam SOD Assessments Receivable	34,757.91
1400 · Prepaid Insurance	12,155.72
<b>Total Other Current Assets</b>	<b>1,312,918.57</b>
<b>Total Current Assets</b>	<b>1,999,240.20</b>
<b>Fixed Assets</b>	
1500 · Vehicles	726,893.50
1505 · Office Furniture & Equipment	248,483.73
1510 · Mobile Offices	424,910.38
1515 · Field Equipment	552,543.06
1520 · Building Improvements	62,263.00
1524 · Infrastructure	4,751,941.69
1550 · Accumulated Depreciation	(1,143,966.94)
<b>Total Fixed Assets</b>	<b>5,623,068.42</b>
<b>Other Assets</b>	
1910 · Long Term Bradbury SOD Act Assessments Receivable	3,608,470.07
1920 · Long Term Lauro SOD Act Assessments Receivable	670,778.85
1922 · Deferred Outflow of Resources (GASB 68)	1,136,753.00
1923 · Deferred Outflow (GASB 75)	652,844.00
<b>Total Other Assets</b>	<b>6,068,845.92</b>
<b>TOTAL ASSETS</b>	<b>\$ 13,691,154.54</b>

**Cachuma Operation & Maintenance Board**  
**Statement of Net Position**  
As of March 31, 2024  
**UNAUDITED FINANCIALS**

March 31, 2024

**LIABILITIES & NET POSITION**

**Liabilities**

**Current Liabilities**

**Accounts Payable**

2200 · Accounts Payable \$ 32,347.39

**Total Accounts Payable** 32,347.39

**Other Current Liabilities**

2505 · Accrued Wages 35,286.11

2550 · Vacation/Sick 254,076.70

2561 · Bradbury Dam SOD Act 228,082.99

2563 · Lauro Dam SOD Act 34,757.91

2565 · Accrued Interest SOD Act 34,659.00

2590 · Deferred Revenue 239,999.80

**Total Other Current Liabilities** 826,862.51

**Total Current Liabilities** 859,209.90

**Long Term Liabilities**

2602 · LT SOD Act Liability-Bradbury 3,608,460.07

2603 · LT SOD Act Liability - Lauro 670,778.85

2604 · OPEB LT Liability 3,378,115.00

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

2611 · Deferred I/F of Res (GASB 68) 129,899.00

2612 · Deferred I/F of Res (GASB 75) 1,035,632.00

**Total Long Term Liabilities** 11,323,243.92

**Total Liabilities** 12,182,453.82

**Net Position**

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

3901 · Retained Net Assets 6,247,122.43

**Net Surplus / Deficit** 558,158.34

**Total Net Position** 1,508,700.72

**TOTAL LIABILITIES & NET POSITION** \$ **13,691,154.54**

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures (Unaudited)**  
 Budget vs. Actuals July 2023 - June 2024

	Fisheries				Operations				TOTAL			
	Jul '23 - Mar 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul '23 - Mar 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul '23 - Mar 24	Budget	\$ Over / (Under) Budget	% of Budget
	<b>Revenue</b>											
<b>3000 REVENUE</b>												
3001 · O&M Budget (Qtrly Assessments)	\$ 767,156.00	\$ 1,146,671.00	\$ (379,515.00)	66.9%	\$ 2,973,943.00	\$ 3,782,312.00	\$ (808,369.00)	78.63%	\$ 3,741,099.00	\$ 4,928,983.00	\$ (1,187,884.00)	75.9%
3006 · Warren Act	186,003.05	210,786.00	-24,782.95	88.24%	0.00				186,003.05	210,786.00	-24,782.95	88.24%
3007 · Renewal Fund	132,179.00	76,456.00	55,723.00	172.88%	0.00				132,179.00	76,456.00	55,723.00	172.88%
3010 · Interest Income	0.00				29,106.98	0.00	29,106.98	100.0%	29,106.98	0.00	29,106.98	100.0%
3014 · Non-Member Agency Revenue	22,117.00	0.00	22,117.00	100.0%	0.00				22,117.00	0.00	22,117.00	100.0%
3020 · Misc Income	0.00				16,817.80	20,000.00	-3,182.20	84.09%	16,817.80	20,000.00	-3,182.20	84.09%
3021 · Grant Income	0.00				480.00	0.00	480.00	100.0%	480.00	0.00	480.00	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%
3046 · CVWD Cooperative Agrmnt Funding	0.00				0.00	550,000.00	-550,000.00	0.0%	0.00	550,000.00	-550,000.00	0.0%
3047 · 2023 Winter Storms	0.00				44,250.94	1,101,563.00	-1,057,312.06	4.02%	44,250.94	1,101,563.00	-1,057,312.06	4.02%
<b>Total 3000 REVENUE</b>	<b>\$ 1,207,455.05</b>	<b>\$ 1,533,913.00</b>	<b>\$ (326,457.95)</b>	<b>78.72%</b>	<b>\$ 3,064,598.72</b>	<b>\$ 5,453,875.00</b>	<b>\$ (2,389,276.28)</b>	<b>56.19%</b>	<b>\$ 4,272,053.77</b>	<b>\$ 6,987,788.00</b>	<b>\$ (2,715,734.23)</b>	<b>61.14%</b>
<b>Expense</b>												
3100 · LABOR - OPERATIONS	\$ -	\$ -	\$ -	0.0%	\$ 787,277.78	\$ 1,220,348.00	\$ (433,070.22)	64.51%	\$ 787,277.78	\$ 1,220,348.00	\$ (433,070.22)	64.51%
<b>3200 VEH &amp; EQUIPMENT</b>												
3201 · Vehicle/Equip Mtce	0.00				25,273.65	40,000.00	-14,726.35	63.18%	25,273.65	40,000.00	-14,726.35	63.18%
3202 · Fixed Capital	0.00				17,138.53	200,000.00	-182,861.47	8.57%	17,138.53	200,000.00	-182,861.47	8.57%
3203 · Equipment Rental	0.00				512.96	40,000.00	-39,487.04	1.28%	512.96	40,000.00	-39,487.04	1.28%
3204 · Miscellaneous	0.00				598.93	10,000.00	-9,401.07	5.99%	598.93	10,000.00	-9,401.07	5.99%
<b>Total 3200 VEH &amp; EQUIPMENT</b>	<b>0.00</b>				<b>43,524.07</b>	<b>290,000.00</b>	<b>-246,475.93</b>	<b>15.01%</b>	<b>43,524.07</b>	<b>290,000.00</b>	<b>-246,475.93</b>	<b>15.01%</b>
<b>3300 · CONTRACT LABOR</b>												
3301 · Conduit, Meter, Valve & Misc	0.00				15,334.18	35,000.00	-19,665.82	43.81%	15,334.18	35,000.00	-19,665.82	43.81%
3302 · Buildings & Roads	0.00				28,516.98	25,000.00	3,516.98	114.07%	28,516.98	25,000.00	3,516.98	114.07%
3303 · Reservoirs	0.00				46,992.27	60,000.00	-13,007.73	78.32%	46,992.27	60,000.00	-13,007.73	78.32%
3304 · Engineering, Misc Services	0.00				3,851.50	40,000.00	-36,148.50	9.63%	3,851.50	40,000.00	-36,148.50	9.63%
<b>Total 3300 · CONTRACT LABOR</b>	<b>0.00</b>				<b>94,694.93</b>	<b>160,000.00</b>	<b>-65,305.07</b>	<b>59.18%</b>	<b>94,694.93</b>	<b>160,000.00</b>	<b>-65,305.07</b>	<b>59.18%</b>
<b>3400 · MATERIALS &amp; SUPPLIES</b>												
3401 · Conduit, Meter, Valve & Misc	0.00				25,423.75	70,000.00	-44,576.25	36.32%	25,423.75	70,000.00	-44,576.25	36.32%
3402 · Buildings & Roads	0.00				1,849.04	20,000.00	-18,150.96	9.25%	1,849.04	20,000.00	-18,150.96	9.25%
3403 · Reservoirs	0.00				4,887.01	10,000.00	-5,112.99	48.87%	4,887.01	10,000.00	-5,112.99	48.87%
<b>Total 3400 · MATERIALS &amp; SUPPLIES</b>	<b>0.00</b>				<b>32,159.80</b>	<b>100,000.00</b>	<b>-67,840.20</b>	<b>32.16%</b>	<b>32,159.80</b>	<b>100,000.00</b>	<b>-67,840.20</b>	<b>32.16%</b>
<b>3500 · OTHER EXPENSES</b>												
3501 · Utilities	0.00				5,097.77	7,000.00	-1,902.23	72.83%	5,097.77	7,000.00	-1,902.23	72.83%
3502 · Uniforms	0.00				3,575.32	5,750.00	-2,174.68	62.18%	3,575.32	5,750.00	-2,174.68	62.18%
3503 · Communications	0.00				8,162.80	15,800.00	-7,637.20	51.66%	8,162.80	15,800.00	-7,637.20	51.66%
3504 · USA & Other Services	0.00				4,080.64	7,250.00	-3,169.36	56.29%	4,080.64	7,250.00	-3,169.36	56.29%
3505 · Miscellaneous	0.00				9,731.32	12,000.00	-2,268.68	81.09%	9,731.32	12,000.00	-2,268.68	81.09%
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				25,233.80	25,000.00	233.80	100.94%	25,233.80	25,000.00	233.80	100.94%
<b>Total 3500 · OTHER EXPENSES</b>	<b>0.00</b>				<b>55,881.65</b>	<b>75,800.00</b>	<b>-19,918.35</b>	<b>73.72%</b>	<b>55,881.65</b>	<b>75,800.00</b>	<b>-19,918.35</b>	<b>73.72%</b>

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures (Unaudited)**  
 Budget vs. Actuals July 2023 - June 2024

	Fisheries				Operations				TOTAL			
	Jul '23 - Mar 24	Budget	\$ Over / (Under)		Jul '23 - Mar 24	Budget	\$ Over / (Under)		Jul '23 - Mar 24	Budget	\$ Over / (Under)	
			Budget	% of Budget			Budget	% of Budget			Budget	% of Budget
4100 · LABOR - FISHERIES	604,421.68	824,382.00	-219,960.32	73.32%	0.00				604,421.68	824,382.00	-219,960.32	73.32%
4200 · VEHICLES & EQUIP - FISHERIES												
4270 · Vehicle/Equip Mtce	22,275.81	30,000.00	-7,724.19	74.25%	0.00				22,275.81	30,000.00	-7,724.19	74.25%
4280 · Fixed Capital	6,850.00	20,000.00	-13,150.00	34.25%	0.00				6,850.00	20,000.00	-13,150.00	34.25%
4290 · Miscellaneous	497.13	2,500.00	-2,002.87	19.89%	0.00				497.13	2,500.00	-2,002.87	19.89%
<b>Total 4200 · VEHICLES &amp; EQUIP - FISHERIES</b>	<b>29,622.94</b>	<b>52,500.00</b>	<b>-22,877.06</b>	<b>56.43%</b>	<b>0.00</b>				<b>29,622.94</b>	<b>52,500.00</b>	<b>-22,877.06</b>	<b>56.43%</b>
4220 · CONTRACT LABOR - FISHERIES												
4221 · Meters & Valves	321.43	3,000.00	-2,678.57	10.71%	0.00				321.43	3,000.00	-2,678.57	10.71%
4222 · Fish Projects Maintenance	4,449.75	11,100.00	-6,650.25	40.09%	0.00				4,449.75	11,100.00	-6,650.25	40.09%
<b>Total 4220 · CONTRACT LABOR - FISHERIES</b>	<b>4,771.18</b>	<b>14,100.00</b>	<b>-9,328.82</b>	<b>33.84%</b>	<b>0.00</b>				<b>4,771.18</b>	<b>14,100.00</b>	<b>-9,328.82</b>	<b>33.84%</b>
4300 · MATERIALS/SUPPLIES - FISHERIES												
4390 · Miscellaneous	4,776.20	8,000.00	-3,223.80	59.7%	0.00				4,776.20	8,000.00	-3,223.80	59.7%
<b>Total 4300 · MATERIALS/SUPPLIES - FISHERIES</b>	<b>4,776.20</b>	<b>8,000.00</b>	<b>-3,223.80</b>	<b>59.7%</b>	<b>0.00</b>				<b>4,776.20</b>	<b>8,000.00</b>	<b>-3,223.80</b>	<b>59.7%</b>
4500 · OTHER EXPENSES - FISHERIES												
4502 · Uniforms	1,527.49	5,000.00	-3,472.51	30.55%	0.00				1,527.49	5,000.00	-3,472.51	30.55%
4503 · Permits	462.91	5,000.00	-4,537.09	9.26%	0.00				462.91	5,000.00	-4,537.09	9.26%
<b>Total 4500 · OTHER EXPENSES - FISHERIES</b>	<b>1,990.40</b>	<b>10,000.00</b>	<b>-8,009.60</b>	<b>19.9%</b>	<b>0.00</b>				<b>1,990.40</b>	<b>10,000.00</b>	<b>-8,009.60</b>	<b>19.9%</b>
4999 · GENERAL & ADMINISTRATIVE												
5000 · Director Fees	0.00				6,717.75	12,400.00	-5,682.25	54.18%	6,717.75	12,400.00	-5,682.25	54.18%
5001 · Director Mileage	0.00				388.52	600.00	-211.48	64.75%	388.52	600.00	-211.48	64.75%
5100 · Legal	0.00				21,324.80	75,000.00	-53,675.20	28.43%	21,324.80	75,000.00	-53,675.20	28.43%
5101 · Audit	0.00				15,022.01	22,750.00	-7,727.99	66.03%	15,022.01	22,750.00	-7,727.99	66.03%
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				46,932.74	39,400.00	7,532.74	119.12%	46,932.74	39,400.00	7,532.74	119.12%
5310 · Postage/Office Exp	0.00				3,814.72	6,000.00	-2,185.28	63.58%	3,814.72	6,000.00	-2,185.28	63.58%
5311 · Office Equip/Leases	0.00				6,015.68	13,440.00	-7,424.32	44.76%	6,015.68	13,440.00	-7,424.32	44.76%
5312 · Misc Admin Expenses	0.00				10,592.20	11,000.00	-407.80	96.29%	10,592.20	11,000.00	-407.80	96.29%
5313 · Communications	0.00				5,986.05	9,500.00	-3,513.95	63.01%	5,986.05	9,500.00	-3,513.95	63.01%
5314 · Utilities	0.00				8,146.43	9,735.00	-1,588.57	83.68%	8,146.43	9,735.00	-1,588.57	83.68%
5315 · Membership Dues	0.00				11,478.85	11,700.00	-221.15	98.11%	11,478.85	11,700.00	-221.15	98.11%
5316 · Admin Fixed Assets	0.00				2,060.64	12,000.00	-9,939.36	17.17%	2,060.64	12,000.00	-9,939.36	17.17%
5318 · Computer Consultant	0.00				25,900.32	25,000.00	900.32	103.6%	25,900.32	25,000.00	900.32	103.6%
5325 · Emp Training/Subscriptions	0.00				126.75	2,000.00	-1,873.25	6.34%	126.75	2,000.00	-1,873.25	6.34%
5330 · Admin Travel	0.00				178.39	3,500.00	-3,321.61	5.1%	178.39	3,500.00	-3,321.61	5.1%
5331 · Public Information	0.00				2,131.29	3,500.00	-1,368.71	60.89%	2,131.29	3,500.00	-1,368.71	60.89%
<b>Total 4999 · GENERAL &amp; ADMINISTRATIVE</b>	<b>0.00</b>				<b>166,817.14</b>	<b>262,525.00</b>	<b>-95,707.86</b>	<b>63.54%</b>	<b>166,817.14</b>	<b>262,525.00</b>	<b>-95,707.86</b>	<b>63.54%</b>
5299 · ADMIN LABOR	0.00				500,703.60	670,202.00	-169,498.40	74.71%	500,703.60	670,202.00	-169,498.40	74.71%
5400 · GENERAL & ADMIN - FISHERIES												
5407 · Legal - FD	11,040.20	25,000.00	-13,959.80	44.16%	0.00				11,040.20	25,000.00	-13,959.80	44.16%
5410 · Postage / Office Supplies	1,883.23	4,000.00	-2,116.77	47.08%	0.00				1,883.23	4,000.00	-2,116.77	47.08%
5411 · Office Equipment / Leases	3,239.07	8,533.00	-5,293.93	37.96%	0.00				3,239.07	8,533.00	-5,293.93	37.96%
5412 · Misc. Admin Expense	5,888.41	7,500.00	-1,611.59	78.51%	0.00				5,888.41	7,500.00	-1,611.59	78.51%
5413 · Communications	3,223.20	4,455.00	-1,231.80	72.35%	0.00				3,223.20	4,455.00	-1,231.80	72.35%
5414 · Utilities	4,386.54	5,243.00	-856.46	83.67%	0.00				4,386.54	5,243.00	-856.46	83.67%



**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures (Unaudited)**  
 Budget vs. Actuals July 2023 - June 2024

	Fisheries				Operations				TOTAL			
	Jul '23 - Mar 24	Budget	\$ Over / (Under)		Jul '23 - Mar 24	Budget	\$ Over / (Under)		Jul '23 - Mar 24	Budget	\$ Over / (Under)	
			Budget	% of Budget			Budget	% of Budget			Budget	% of Budget
5415 · Membership Dues	7,036.15	7,200.00	-163.85	97.72%	0.00				7,036.15	7,200.00	-163.85	97.72%
5416 · Admin Fixed Assets	2,055.76	5,000.00	-2,944.24	41.12%	0.00				2,055.76	5,000.00	-2,944.24	41.12%
5418 · Computer Consultant	13,946.31	15,000.00	-1,053.69	92.98%	0.00				13,946.31	15,000.00	-1,053.69	92.98%
5425 · Employee Education/Subscription	68.25	2,500.00	-2,431.75	2.73%	0.00				68.25	2,500.00	-2,431.75	2.73%
5426 · Director Fees	3,617.25	6,700.00	-3,082.75	53.99%	0.00				3,617.25	6,700.00	-3,082.75	53.99%
5427 · Director Mileage	209.19	300.00	-90.81	69.73%	0.00				209.19	300.00	-90.81	69.73%
5430 · Travel	511.06	4,000.00	-3,488.94	12.78%	0.00				511.06	4,000.00	-3,488.94	12.78%
5431 · Public Information	1,147.62	1,500.00	-352.38	76.51%	0.00				1,147.62	1,500.00	-352.38	76.51%
5441 · Audit	8,247.99	12,250.00	-4,002.01	67.33%	0.00				8,247.99	12,250.00	-4,002.01	67.33%
5443 · Liab & Property Ins	25,271.47	22,000.00	3,271.47	114.87%	0.00				25,271.47	22,000.00	3,271.47	114.87%
<b>Total 5400 · GENERAL &amp; ADMIN - FISHERIES</b>	<b>91,771.70</b>	<b>131,181.00</b>	<b>-39,409.30</b>	<b>69.96%</b>	<b>0.00</b>				<b>91,771.70</b>	<b>131,181.00</b>	<b>-39,409.30</b>	<b>69.96%</b>
5499 · ADMIN LABOR-FISHERIES	184,804.36	296,750.00	-111,945.64	62.28%	0.00				184,804.36	296,750.00	-111,945.64	62.28%
5510 · Integrated Reg. Water Mgt Plan	0.00				1,121.73	5,000.00	-3,878.27	22.44%	1,121.73	5,000.00	-3,878.27	22.44%
<b>6199 · SPECIAL PROJECTS</b>												
6097 · GIS and Mapping	0.00				9,411.55	10,000.00	-588.45	94.12%	9,411.55	10,000.00	-588.45	94.12%
6105 · ROW Management Program	0.00				0.00	20,000.00	-20,000.00	0.0%	0.00	20,000.00	-20,000.00	0.0%
6110 · SCADA Improvements & Support	0.00				1,931.25	35,000.00	-33,068.75	5.52%	1,931.25	35,000.00	-33,068.75	5.52%
6115 · COMB Blding Improvemnts & Maint	0.00				7,488.04	80,000.00	-72,511.96	9.36%	7,488.04	80,000.00	-72,511.96	9.36%
6125 · 2023 Winter Storm Repairs	0.00				638,793.17	1,175,000.00	-536,206.83	54.37%	638,793.17	1,175,000.00	-536,206.83	54.37%
6126 · 2024 Winter Storm Repairs	0.00				1,160.00	0.00	1,160.00	100.0%	1,160.00	0.00	1,160.00	100.0%
6138 · Cachuma Watershed Mgmt Study	0.00				53,122.59	50,000.00	3,122.59	106.25%	53,122.59	50,000.00	3,122.59	106.25%
<b>Total 6199 · SPECIAL PROJECTS</b>	<b>0.00</b>				<b>711,906.60</b>	<b>1,370,000.00</b>	<b>-658,093.40</b>	<b>51.96%</b>	<b>711,906.60</b>	<b>1,370,000.00</b>	<b>-658,093.40</b>	<b>51.96%</b>
<b>6000 · INFRASTRUCTURE IMPROVEMENT PROJ</b>												
6055 · Bradbury Dam Outlet Works	0.00				117,929.64	117,930.00	-0.36	100.0%	117,929.64	117,930.00	-0.36	100.0%
6096 · Lower Reach BlowOff AVAR Valve	0.00				0.00	82,070.00	-82,070.00	0.0%	0.00	82,070.00	-82,070.00	0.0%
6136 · SCC Isolation Valve Evaluation	0.00				0.00	550,000.00	-550,000.00	0.0%	0.00	550,000.00	-550,000.00	0.0%
6137 · Rehab SCC Lateral Structures	0.00				0.00	550,000.00	-550,000.00	0.0%	0.00	550,000.00	-550,000.00	0.0%
<b>Total 6000 · INFRASTRUCTURE IMPROVEMENT PROJ</b>	<b>0.00</b>				<b>117,929.64</b>	<b>1,300,000.00</b>	<b>-1,182,070.36</b>	<b>9.07%</b>	<b>117,929.64</b>	<b>1,300,000.00</b>	<b>-1,182,070.36</b>	<b>9.07%</b>
<b>6200 · PROGRAM SUPPORT SERVICES</b>												
6201 · FMP Implementation	2,302.59	42,000.00	-39,697.41	5.48%	0.00				2,302.59	42,000.00	-39,697.41	5.48%
6202 · GIS and Mapping	5,020.45	10,000.00	-4,979.55	50.21%	0.00				5,020.45	10,000.00	-4,979.55	50.21%
6205 · USGS Stream Gauge Program	54,955.00	120,000.00	-65,045.00	45.8%	0.00				54,955.00	120,000.00	-65,045.00	45.8%
<b>Total 6200 · PROGRAM SUPPORT SERVICES</b>	<b>62,278.04</b>	<b>172,000.00</b>	<b>-109,721.93</b>	<b>36.2%</b>	<b>0.00</b>				<b>62,278.04</b>	<b>172,000.00</b>	<b>-109,721.93</b>	<b>36.2%</b>
<b>6300 · HABITAT IMPROVEMENT PROJECTS</b>												
6207 · Oak Tree Restoration Program	916.87	15,000.00	-14,083.13	6.11%	0.00				916.87	15,000.00	-14,083.13	6.11%
6303 · Tributary Projects Support	855.00	10,000.00	-9,145.00	8.55%	0.00				855.00	10,000.00	-9,145.00	8.55%
6304 · Tributary Projects Improvements	215,670.12	0.00	215,670.12	100.0%	0.00				215,670.12	0.00	215,670.12	100.0%
<b>Total 6300 · HABITAT IMPROVEMENT PROJECTS</b>	<b>217,441.99</b>	<b>25,000.00</b>	<b>192,441.99</b>	<b>869.8%</b>	<b>0.00</b>				<b>217,441.99</b>	<b>25,000.00</b>	<b>192,441.99</b>	<b>869.8%</b>
<b>Total Expense</b>	<b>\$ 1,201,878.49</b>	<b>\$ 1,533,913.00</b>	<b>\$ (332,034.51)</b>	<b>78.35%</b>	<b>\$ 2,512,016.94</b>	<b>\$ 5,453,875.00</b>	<b>\$ (2,941,858.06)</b>	<b>46.06%</b>	<b>\$ 3,713,895.43</b>	<b>\$ 6,987,788.00</b>	<b>\$ (3,273,892.57)</b>	<b>53.15%</b>
<b>Net Surplus / Deficit</b>	<b>\$ 5,576.56</b>	<b>\$ -</b>	<b>\$ 5,576.56</b>	<b>100.0%</b>	<b>\$ 552,581.78</b>	<b>\$ -</b>	<b>\$ 552,581.78</b>	<b>100.0%</b>	<b>\$ 558,158.34</b>	<b>\$ -</b>	<b>\$ 558,158.34</b>	<b>100.0%</b>

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	April 22, 2024
Submitted by:	Janet Gingras

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

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### **RECOMMENDATION**

The Board of Directors receive and file the Cachuma Operation & Maintenance Board Investment Report as of March 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 March 2024, is reported at 4.23%.

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

Table 1			
Unrestricted Reserve Funds			
Local Agency Investment Fund (LAIF)			
	2/29/2024	\$	1,060,043.55
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	3/31/2024	\$	1,060,043.55

#### 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	2/29/2024	\$	126,162.26
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	3/31/2024	\$	126,162.26
American Riviera Bank Warren Act Trust Fund			
Previous Balance	2/29/2024	\$	113,837.54
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	3/31/2024	\$	113,837.54

**STATEMENT**

The above statement of investment activity for the month of March 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

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

Date	Num	Name	Memo	Amount
<b>1050 - General Fund</b>				
03/04/2024	30914	CA Surveying & Drafting Supply Inc.	GPS Device with 3-Year Subscription (Ops & Fish)	-5,387.00
03/04/2024	30915	City of Santa-Barbara	Trash & Recycling February 2024	-381.78
03/04/2024	30916	City of Santa Barbara-Central Stores	Personal Protective Equipment (Ops)	-197.62
03/04/2024	30917	Cori Hayman	Director Meeting Fees February 2024	-208.40
03/04/2024	30918	County of SB-Public Works Water Agency	IRWM Program MOU Cost Share 07/1/23 - 12/31/23	-1,121.73
03/04/2024	30919	Don's Heating & Air Conditioning, Inc.	COMB Building Maintenance - HVAC Maintenance (Ops)	-450.00
03/04/2024	30920	ECHO Communications	Message Service March 2024	-98.30
03/04/2024	30921	Federal Express	Shipping (Ops)	-208.48
03/04/2024	30922	Frontier Communications	Phone Service - North Portal	-67.25
03/04/2024	30923	Kristen Sneddon	Director Meeting Fees February 2024	-401.11
03/04/2024	30924	Lauren W. Hanson	Director Meeting Fees February 2024	-403.40
03/04/2024	30925	Marborg Industries	Portable Facilities - Outlying Stations (Ops)	-423.96
03/04/2024	30926	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 2/16 & 3/1	-240.60
03/04/2024	30927	Polly Holcombe	Director Meeting Fees February 2024	-232.91
03/04/2024	30928	Southern California Edison	Electricity - Main Office & Outlying Stations	-1,816.90
03/04/2024	30929	Spatial Wave	GIS & Mapping - Field Mapplet Software Maintenance April-June 2024 (Ops)	-925.00
03/04/2024	30930	Specialty Tool, LTD	Supplies (Ops)	-210.21
03/04/2024	30931	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee	-113.25
03/04/2024	30932	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalpas 6054ci	-303.41
03/04/2024	30933	WEX Fleet Universal	Fleet Fuel - February 2024	-3,524.66
03/04/2024	30934	Winema Industrial & Safety Supply	Equipment Repair - Ventis MX4 Gas Detectors	-401.31
03/04/2024	30935	Zac Gonzalez Landscaping & Tree Care	Landscape Maintenance February 2024	-480.00
03/11/2024	30936	Aspect Engineering Group	SCADA Improvements & Support - Server Maintenance	-1,931.25
03/11/2024	30937	Association of Ca Water Agencies/JPIA	April 2024 Health Benefits Premium	-35,761.74
03/11/2024	30938	AT&T	Long Distance Service February 2024	-39.41
03/11/2024	30939	Coastal Copy, Inc.	Copier Maintenance - Kyocera Taskalpas 3253ci & 6054ci	-182.33
03/11/2024	30940	Cox Communications Santa Barbara	Business Internet March 2024	-195.44
03/11/2024	30941	Frontier Communications	Phone Service - Main Office Land Lines	-131.34
03/11/2024	30942	Ian's Tire & Auto Repair	2012 Chev 2500 - Tires (Fisheries)	-666.89
03/11/2024	30943	Milpas Rental	Equipment Rental (Ops)	-222.48
03/11/2024	30944	Powell Garage	2022 Ford - F550 Super Duty - Oil Change & Brake Inspection (Ops)	-291.51
03/11/2024	30945	Powell Garage	2019 Ford Ranger - Routine Service (Fisheries)	-131.64
03/11/2024	30946	Powell Garage	2015 Ford - F150 Lariat - Routine Service, Cooling Service, Brake Check (Fisheries)	-1,579.05
03/11/2024	30947	Southern California Edison	Electricity - Outlying Stations (Ops)	-16.02
03/11/2024	30948	Trenchalk Network Services, Inc.	Network Support (Ops & Fisheries)	-3,377.20
03/11/2024	30949	White Cap, L.P.	Supplies (Ops)	-547.00
03/18/2024	30950	Bedrock Building Supplies	Materials (Ops)	-911.60
03/18/2024	30951	Bureau of Reclamation	USBR 2023-24 Water Rates 2nd Period Obligation 4/1/24-10/1/24	-1,270,926.65
03/18/2024	30952	Core and Main, LP	Flange Adapter and Backing Ring (Ops)	-1,785.82
03/18/2024	30953	Federal Express	Shipping (Ops)	-182.06
03/18/2024	30954	Flowers & Associates, Inc.	COMB On-Call Engineering Services	-3,851.50
03/18/2024	30955	Gibbs Truck Centers	Water Truck Repair (Fisheries)	-2,703.99
03/18/2024	30956	LoopUp, LLC	Conference Calls February 2024	-26.62
03/18/2024	30957	Owl Towing and Storage, Inc.	Towing Service from Santa Ynez to Oxnard - Water Truck (Fisheries)	-700.00
03/18/2024	30958	Rayne of Santa Barbara Inc	March RO Rental	-35.00
03/18/2024	30959	Rosemount Inc.	Supplies (Ops)	-9,438.74
03/18/2024	30960	Southern California Edison	Electricity - Outlying Stations (Ops)	-14.04
03/18/2024	30961	Sparkletts	Operations Safety	-136.83
03/18/2024	30962	Verizon Wireless	Cellular Service - Wireless Modems, Cell Phones & iPads (Ops)	-652.65
03/18/2024	30963	O'Reilly Automotive, Inc.	Supplies (Ops)	-124.03
03/18/2024	30964	Pinky's Tire Service Inc	Equipment Maintenance - Repairs to the Backhoe (Ops)	-521.16
03/18/2024	30965	Port Hueneme Marine Supply Co., Inc.	Supplies (Ops)	-323.09
03/25/2024	30966	Cabela's LLC/Bass Pro LLC	Personal Protective Equipment (Fisheries)	-193.94
03/25/2024	30967	Earth Systems	Gato Canyon Rd Slide Evaluation Consultation (Ops)	-1,160.00
03/25/2024	30968	FP Mailing Solutions	Postage Meter Rental (Ops & Fisheries)	-153.77
03/25/2024	30969	Home Depot Credit Services	Supplies (Ops)	-327.94

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

<b>Date</b>	<b>Num</b>	<b>Name</b>	<b>Memo</b>	<b>Amount</b>
03/25/2024	30970	Musick, Peeler & Garrett LLP	General Counsel February 2024 (Ops & Fisheries)	-3,465.00
03/25/2024	30971	PG&E	Electricity - Tecolote Tunnel	-511.45
03/25/2024	30972	The Gas Company	Natural Gas - Main Office	-61.88
03/25/2024	30973	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 3253ci	-123.98
Total 1050 · General Fund				<u>-1,361,002.32</u>
<b>TOTAL</b>				<b><u>-1,361,002.32</u></b>

**APPROVALS**

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	April 22,2024
Submitted by:	Janet Gingras

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**SUBJECT: Resolution No. 797 – Presidential Disaster Declaration (2024 Winter Storms)**

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**RECOMMENDATION:**

The Board of Directors adopt Resolution No. 797 acknowledging the Presidents disaster declaration for certain California Counties, including Santa Barbara County, made on April 13, 2024 related to the 2024 winter storms. The adoption of Resolution No. 797 is for the purpose of applying for federal financial assistance from the Federal Emergency Management Agency (FEMA).

**SUMMARY:**

On April 13, 2024, President Joseph R. Biden, Jr. declared a major disaster making federal disaster aid available to some California counties, including Santa Barbara County, impacted from severe winter storms, flooding, landslides, and mudslides beginning on January 31, 2024, and continuing through February 9, 2024. This declaration (DR-4769-CA) ensures that federal funds are available for emergency response and eligible disaster recovery costs. FEMA coordinates with Cal OES to implement the Public Assistance (PA) Grant Program.

Staff will apply for federal disaster relief funding through the FEMA / CalOES Disaster Recovery process for damages caused to COMB operated Cachuma Project facilities. The primary damage to facilities were debris deposits, minor road slides and toppled trees in the Lauro and Glen Annie areas. Part of the CalOES application process requires the Board to designate an agent for the applicant for payments to be processed. That process was completed for the 2023 winter storms and is valid for a period of three (3) years.

Recommended for Board approval is the attached Resolution No. 797 which acknowledges the Presidents disaster declaration for Santa Barbara County and will assist COMB in obtaining federal financial assistance.

**LIST OF EXHIBITS:**

- 1) Resolution No. 797

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**RESOLUTION NO. 797**

**A RESOLUTION OF THE GOVERNING BOARD OF  
THE CACHUMA OPERATION AND MAINTENANCE BOARD  
ACKNOWLEDGING THE PRESIDENT’S DISASTER DECLARATION  
APPROVED ON APRIL 13, 2024 FOR CALIFORNIA, INCLUDING SANTA BARBARA  
COUNTY, RELATED TO THE FEBRUARY 2024 WINTER STORMS WHICH WILL  
PROVIDE FEDERAL ASSISTANCE THROUGH THE FEDERAL EMERGENCY  
MANAGEMENT AGENCY (FEMA)**

**RECITALS**

**WHEREAS**, the Cachuma Operation & Maintenance Board (“COMB”) is a joint powers authority and public entity, organized and existing in the County of Santa Barbara in accordance with Government Code Section 6500 *et seq.*, and operating pursuant to the 1996 Amended and Restated Agreement for the Establishment of a Board of Control to Operate and Maintain the Cachuma Project - Cachuma Operation And Maintenance Board, dated May 23, 1996 (“Amended and Restated Agreement”), as amended by an Amendment to the Amended and Restated Agreement made effective September 16, 2003, and a Second Amendment to the Amended and Restated Agreement made effective November 20, 2018 (collectively the “Joint Powers Agreement”); and

**WHEREAS**, the Member Agencies of COMB are the City of Santa Barbara, the Goleta Water District, the Montecito Water District, and the Carpinteria Valley Water District; and

**WHEREAS**, COMB operates and maintains Cachuma Project facilities, including the South Coast Conduit (“SCC”), pursuant to a Transfer of Operation and Maintenance Contract with the United States Bureau of Reclamation (“Reclamation”); and

**WHEREAS**, COMB has the power to perform all acts necessary to carry out fully the provisions of the Transfer of Operation and Maintenance Contract; and

**WHEREAS**, several heavy rainstorms occurred countywide, starting on or about January 31, 2024, and resuming again on February 4, 5 and 6, 2024, which produced mud and debris flows and resulting damage to Cachuma Project facilities; and

**WHEREAS**, on February 6, 2024, the Santa Barbara County (“County”) Board of Supervisors ratified a proclamation of the existence of an emergency, as proclaimed by the County’s Director of Emergency Services; and

**WHEREAS**, on April 13, 2024, President Joseph R. Biden, Jr. declared that an emergency exists in the State of California, ordering Federal assistance to supplement State, tribal and local response efforts due to the emergency conditions resulting from successive and severe winter storms, flooding and mudslides beginning on January 31, 2024, and continuing through February 9, 2024; and

**WHEREAS**, on February 26, 2024, the COMB Board previously declared an emergency and authorized that the remedial work necessary to respond to the extensive damage caused by the severe 2024 storms (“Work”) be performed without competitive bidding through the adoption of Resolution No. 795.

**NOW, THEREFORE, BE IT RESOLVED** by the Governing Board of Directors of the Cachuma Operation and Maintenance Board as follows:

1. The Governing Board finds and determines that the facts set forth in the above recitals and in the documents referenced herein are true and correct.

2. The Governing Board further finds, pursuant to Public Contract Code section 22050(a)(2), that the emergency will not allow a delay resulting from a competitive solicitation for bids, and that immediate commencement of the Work is necessary to respond to the emergency.

3. Pursuant to Public Contract Code section 22050(b)(1), the Board directs the General Manager to immediately proceed with and expend funds for the Work, without giving notice for competitive bids.

4. The Governing Board further finds that the Work is statutorily exempt from environmental review under the California Environmental Quality Act pursuant to Public Resources Code sections 21080(b)(2) and 21080(b)(4), and 14 Cal. Code of Regs. sections 15269(b) and 15269(c). Staff has filed a Notice of Exemption with the Clerk of the Board of Supervisors for the County of Santa Barbara.

5. The above recitals are incorporated herein by reference and adopted as findings.

**PASSED, APPROVED AND ADOPTED** by the Governing Board of the Cachuma Operation and Maintenance Board, this 22<sup>nd</sup> day of April 2024, by the following roll call vote:

**AYES:**

**NAYES:**

**ABSENT/ABSTAIN:**

APPROVED:

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President of the Board

ATTEST:

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Secretary of the Board

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	April 22, 2024
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

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**SUBJECT:** Financial Review – 3rd Quarter Fiscal Year 2023-24

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**RECOMMENDATION:**

The Board of Directors receive a presentation on the 3<sup>rd</sup> Quarter Fiscal Year (FY) 2023-24 Financial Review 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 2023-24, COMB adjusted the collection of quarterly assessments based on project implementation and projected cash outflows, as follows:

**Table 1**  
**COMB Quarterly Budget Assessments FY 2023-24**

Q1	Q2	Q3	Q4	Total
\$ 1,164,753	\$ 869,711	\$ 1,706,634	\$ 1,187,884	\$ 4,928,983
24%	18%	35%	24%	100%

**FISCAL ANALYSIS:**

**Revenues Collected**

- COMB assessed and collected \$1.7M in quarterly O&M Budget Assessments for the period January – March 2024.
- COMB assessed and collected \$1.3M in pass-through charges on behalf of the US Bureau of Reclamation for the 2<sup>nd</sup> period USBR Entitlement obligation for the period April through September 2024.
- COMB collected \$100K from the County of Santa Barbara for its annual contribution to the Cachuma Project Betterment Fund.
- COMB assessed and collected \$77.7K in pass-through charges from the Cachuma Project Member Units for State Water Resource Control Board fees.
- COMB assessed and collected \$16.1K in pass-through charges from three COMB Member Agencies for State of California Drinking Water Program permit fees.
- COMB earned \$14.7K in interest income for funds held with LAIF.

## **Expenditures To Date (% of Budget Apportioned thru March – 77%)**

### **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 thru March totaled \$258.6K (65.7%). Costs in this category are on trend and generally occur evenly throughout the year.
- 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 \$685.5K (70.9%). 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 thru December totaled \$787.3K (64.5%) are within budget.
- Vehicles & Equipment includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Actual costs of \$43.5K (15.0%) are lower than budget due to lower than projected vehicle maintenance costs and fixed capital purchases. In December, the COMB Board approved staff to purchase a John Deere 320P backhoe in the net amount of \$126K. The remaining budget (\$70K) for FY 2023-24 will be allocated towards the purchase of a fleet vehicle.
- 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 \$94.7K (59.2%) are within budget. Notable costs during the third quarter included Otis Elevator (\$10.2K) to perform repairs to the Lake Cachuma North Portal elevator. Upcoming 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 \$32.1K (32.2%) are within budget. Timing of expenditures in this category can vary based on project needs.
- Other Expenses include 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 \$55.9K (73.7%) are within budget.
- Special Projects includes costs related to 2023 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 \$713.0K (51.9%) are within the apportioned budget. The timing of expenditures in this category can vary based on project needs. Year to date, COMB has incurred \$638.8K related to the 2023 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 Committee and by the Board prior to commencement. The timing and ranking of other 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. Year to date actual costs total \$117.2K. This amount is attributed to the Bradbury Dam Stilling Basin De-Watering project. COMB plans on completing the SCC Lower Reach Lateral Structure Rehabilitation project during the fourth quarter (\$550k).

- **The total Operations Division expenses through March of \$2.5M (46.1%) for FY 2023-24 are within budget.**
- **The projected annualized Operations Division expenses of \$3.9M (71.0%) for FY 2023-24 are within budget as reflected in Table 2:**

**Table 2**  
Operations Division

	Actual Jul-Sep	Actual Oct-Dec	Actual Jan-Mar	Projected Apr-Jun	Annual Projected	Annual Budget	Over / (Under) Budget (\$)	% of Budget
Revenue								
Revenue	\$ 765,468	\$ 836,276	\$ 1,462,855	\$ 1,331,601	\$ 4,396,199	\$ 5,453,875	\$ (1,057,676)	80.6%
Total Income	765,468	836,276	1,462,855	1,331,601	4,396,199	5,453,875	(1,057,676)	80.6%
Revenue	\$ 765,468	\$ 836,276	\$ 1,462,855	\$ 1,331,601	\$ 4,396,199	\$ 5,453,875	\$ (1,057,676)	80.6%
Expense								
General and Admin Expenses	44,534	73,437	48,846	50,094	216,911	262,525	(45,614)	82.6%
General and Admin Labor	224,840	123,135	152,728	167,550	668,254	670,202	(1,948)	99.7%
O&M Labor	294,494	226,333	266,452	305,087	1,092,364	1,220,348	(127,984)	89.5%
O&M Vehicle & Equip	6,533	17,151	19,841	157,500	201,024	290,000	(88,976)	69.3%
O&M Contract Labor	24,921	29,154	40,620	40,000	134,695	160,000	(25,305)	84.2%
O&M Material and Supplies	5,642	7,158	19,359	25,000	57,160	100,000	(42,840)	57.2%
O&M Other Expenses	10,714	34,335	10,833	14,388	70,269	75,800	(5,531)	92.7%
Special Projects	402,920	234,859	75,249	48,750	761,778	1,375,000	(613,222)	51.4%
Infrastructure Improvement Proj	-	117,160	770	550,000	667,930	1,300,000	(632,070)	51.4%
Total Expense	1,014,598	\$ 862,721	\$ 634,698	\$ 1,358,369	\$ 3,870,386	\$ 5,453,875	\$ (1,583,489)	71.0%
Net Surplus / (Deficit)	(249,130)	\$ (26,446)	\$ 828,157	\$ (26,768)	\$ 525,814	\$ -	\$ 525,814	

Note:

- (1) Results are unaudited and subject to change.
- (2) Fourth quarter revenue includes projected FEMA/CalOES reimbursement (\$523K) related to the 2023 Winter Storm Repairs.
- (3) Expenditures for the fourth quarter are currently being reviewed for potential use/implementation and may have an impact on the annual projected surplus.

### **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 \$604.4K (73.3%) are within budget.
- **Vehicles & Equipment** includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Actual costs of \$29.6K (56.4%) 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 \$4.8K (33.8%) are within budget.
- **Materials and Supplies** includes 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 \$4.8K (59.7%) are within budget.
- **Other Expenses** includes funds to pay for uniforms and gear for the fisheries division employees. Actual costs of \$2.0K (19.9%) are within budget.
- **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 \$62.3K (36.2%) are lower than budget due to timing of the third quarter billing from USGS (\$25k) which is expected to be received and paid in the fourth quarter.

- **Fisheries Habitat Improvement** – includes funds for the Oak Tree Restoration Program and Tributary Project Improvements. Actual costs of \$217.4K (869.8%) are higher than budget due to non-budgeted repairs performed to Quiota Creek Crossings 5 and 9. These costs were offset with funds from the Warren Act Trust Fund and Renewal Fund.
- **The total Fisheries Division expenses through March of \$1.2M (78.4%) for FY 2023-24 are slightly over budget.**
- **The projected annualized Fisheries Division expenses of \$1.6M (104.7%) for FY 2023-24 are reflected in Table 3 below:**

**Table 3**  
Fisheries Division

	Actual	Actual	Actual	Projected	Annual	Annual	Over/(Under)	% of
	Jul-Sep	Oct-Dec	Jan-Mar (*)	Apr-Jun	Projected	Budget	Budget (\$)	Budget
Revenue								
Revenue	\$ 418,834	\$ 413,855	\$ 374,766	\$ 454,516	\$ 1,661,971	\$ 1,533,913	\$ 128,058	108.3%
Expense								
General and Admin Expenses	24,174	41,432	26,165	24,233	116,004	131,181	(15,177)	88.4%
General and Admin Labor	68,771	50,561	65,473	74,188	258,992	296,750	(37,758)	87.3%
Fisheries Labor	228,138	171,168	205,116	206,096	810,517	824,382	(13,865)	98.3%
Fisheries Vehicle & Equip	6,505	10,279	12,840	13,125	42,748	52,500	(9,752)	81.4%
Fisheries Contract Labor	321	4,450	-	2,000	6,771	14,100	(7,329)	48.0%
Fisheries Material and Supplies	314	1,015	3,447	2,000	6,776	8,000	(1,224)	84.7%
Fisheries Other Expenses	222	1,020	748	2,375	4,365	10,000	(5,635)	43.7%
Fisheries Activities	38,302	5,060	27,013	75,250	145,625	172,000	(26,375)	84.7%
Fisheries Habitat Enhancement	137	207,287	1,920	5,000	214,345	25,000	189,345	857.4%
Total Expense	\$ 366,884	\$ 492,273	\$ 342,722	\$ 404,266	\$ 1,606,144	\$ 1,533,913	\$ 72,231	104.7%
Net Surplus / (Deficit)	\$ 51,951	\$ (78,418)	\$ 32,044	\$ 50,250	\$ 55,827	\$ -	\$ 55,827	

Note:

- (1) Results are unaudited and subject to change.
- (2) 4th Quarter projected revenue includes Warren Act Trust Fund/Renewal Funds (\$45k) and 2000 BiOp Expense Reimbursement (\$30k) to be collected.
- (3) 4th Quarter projected expense includes two quarterly billins for the USGS Stream Gauge Program (\$50k).
- (4) Expenditures for the fourth quarter are currently being reviewed for potential use/implementation and may have an impact on the annual projected surplus.

### **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 \$210.8K of Warren Act Trust Fund payments from CCWA for SWP deliveries that occurred in calendar year 2022. These funds were reviewed at the annual Cachuma Project Warren Act Trust Fund and Renewal Fund (Funds Committee) meeting for use in FY 2023-24.

In calendar year 2023, COMB collected \$17.3K of Warren Act Trust Fund payments from CCWA for SWP water deliveries to the lake. These funds will be reviewed at the upcoming Funds Committee 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 the 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 2023, 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 2023-24. As a result, the aggregate amount collected from the Cachuma Project Member Units pursuant to Sub Article 27 (e)(3) of the Renewal Master Contract, was based on the following calculation:

<b>Given:</b>	WATF = \$210,786
	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 = $[1 - (\$210,786 / \$300,000)] \times \$257,100$
	RFC = \$76,456

For FY 2024-25, the projected amount to be collected for the Renewal Fund is \$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 2023-24 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 2023-24 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 2023-24 Statement of Revenue and Expenditures
- 2) Quarterly Financial Review Presentation



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

	Fisheries				Operations				TOTAL			
	Jul-Mar 24	Annual Budget	\$ Over / (Under) Budget	% of Budget	Jul-Mar 24	Annual Budget	\$ Over / (Under) Budget	% of Budget	Jul-Mar 24	Budget	\$ Over / (Under) Budget	% of Budget
<b>Revenue</b>												
Revenue	\$ 1,207,455.05	\$ 1,533,913.00	\$ (326,457.95)	78.7%	\$ 3,064,598.72	\$ 5,453,875.00	\$ (2,389,276.28)	56.2%	\$ 4,272,053.77	\$ 6,987,788.00	\$ (2,715,734.23)	61.1%
<b>Total Revenue</b>	<b>1,207,455.05</b>	<b>1,533,913.00</b>	<b>(326,457.95)</b>	<b>78.7%</b>	<b>3,064,598.72</b>	<b>5,453,875.00</b>	<b>(2,389,276.28)</b>	<b>56.2%</b>	<b>4,272,053.77</b>	<b>6,987,788.00</b>	<b>(2,715,734.23)</b>	<b>61.1%</b>
<b>Expense</b>												
General and Admin Expenses	91,771.70	131,181.00	(39,409.30)	70.0%	166,817.14	262,525.00	(95,707.86)	63.5%	258,588.84	393,706.00	(135,117.16)	65.7%
General and Admin Labor	184,804.36	296,750.00	(111,945.64)	62.3%	500,703.60	670,202.00	(169,498.40)	74.7%	685,507.96	966,952.00	(281,444.04)	70.9%
O&M Labor	-	-	-	-	787,277.78	1,220,348.00	(433,070.22)	64.5%	787,277.78	1,220,348.00	(433,070.22)	64.5%
O&M Vehicle & Equip	-	-	-	-	43,524.07	290,000.00	(246,475.93)	15.0%	43,524.07	290,000.00	(246,475.93)	15.0%
O&M Contract Labor	-	-	-	-	94,694.93	160,000.00	(65,305.07)	59.2%	94,694.93	160,000.00	(65,305.07)	59.2%
O&M Material and Supplies	-	-	-	-	32,159.80	100,000.00	(67,840.20)	32.2%	32,159.80	100,000.00	(67,840.20)	32.2%
O&M Other Expenses	-	-	-	-	55,881.65	75,800.00	(19,918.35)	73.7%	55,881.65	75,800.00	(19,918.35)	73.7%
Special Projects	-	-	-	-	713,028.33	1,375,000.00	(661,971.67)	51.9%	713,028.33	1,375,000.00	(661,971.67)	51.9%
Infrastructure Improvement Projects	-	-	-	-	117,929.64	1,300,000.00	(1,182,070.36)	9.1%	117,929.64	1,300,000.00	(1,182,070.36)	9.1%
Fisheries Labor	604,421.68	824,382.00	(219,960.32)	73.3%	-	-	-	-	604,421.68	824,382.00	(219,960.32)	73.3%
Fisheries Vehicle & Equip	29,622.94	52,500.00	(22,877.06)	56.4%	-	-	-	-	29,622.94	52,500.00	(22,877.06)	56.4%
Fisheries Contract Labor	4,771.18	14,100.00	(9,328.82)	33.8%	-	-	-	-	4,771.18	14,100.00	(9,328.82)	33.8%
Fisheries Material and Supplies	4,776.20	8,000.00	(3,223.80)	59.7%	-	-	-	-	4,776.20	8,000.00	(3,223.80)	59.7%
Fisheries Other Expenses	1,990.40	10,000.00	(8,009.60)	19.9%	-	-	-	-	1,990.40	10,000.00	(8,009.60)	19.9%
Fisheries Activities	62,278.04	172,000.00	(109,721.96)	36.2%	-	-	-	-	62,278.04	172,000.00	(109,721.96)	36.2%
Fisheries Habitat Enhancement	217,441.99	25,000.00	192,441.99	869.8%	-	-	-	-	217,441.99	25,000.00	192,441.99	869.8%
Other Interest Expense - EPPF	-	-	-	0.0%	-	-	-	-	-	-	-	0.0%
<b>Total Expense</b>	<b>1,201,878.49</b>	<b>1,533,913.00</b>	<b>(332,034.51)</b>	<b>78.4%</b>	<b>2,512,016.94</b>	<b>5,453,875.00</b>	<b>(2,941,858.06)</b>	<b>46.1%</b>	<b>3,713,895.43</b>	<b>6,987,788.00</b>	<b>(3,273,892.57)</b>	<b>53.1%</b>
<b>Surplus / (Deficit) - O&amp;M</b>	<b>\$ 5,576.56</b>	<b>\$ -</b>	<b>\$ 5,576.56</b>		<b>\$ 552,581.78</b>	<b>\$ -</b>	<b>\$ 552,581.78</b>		<b>\$ 558,158.34</b>	<b>\$ -</b>	<b>\$ 558,158.34</b>	

Note: Results are unaudited and subject to change.

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# Cachuma Operation & Maintenance Board

Financial Review – 3rd Quarter  
Fiscal Year 2023-24



# Financial Review

## Revenues Collected – 3rd Quarter

<b>COMB O&amp;M Budget Assessment (January - March 2024)</b>	<b>\$ 1,706,634</b>
<b>USBR 2nd Period Entitlement (April - September 2024)</b>	<b>1,270,927</b>
<b>County of Santa Barbara Betterment Fund Contribution</b>	<b>100,000</b>
<b>SWRCB Annual Water Rights Fees (Bradbury/Lauro)</b>	<b>77,706</b>
<b>SWRCB Water System Annual D3 Fees</b>	<b>16,067</b>
<b>Interest Income</b>	<b>14,669</b>
<b>Total Revenues Collected</b>	<b>\$ 3,186,003</b>

# Financial Review

	Operations Division			
	Jul - Mar (YTD)	Annual Budget	Over / (Under) Budget (\$)	% of Budget
<b>Revenue</b>				
Revenue	\$ 3,064,599	\$ 5,453,875	\$ (2,389,276)	56.2%
<b>Expense</b>				
General and Admin Expenses	166,817	262,525	(95,708)	63.5%
General and Admin Labor	500,704	670,202	(169,498)	74.7%
O&M Labor	787,278	1,220,348	(433,070)	64.5%
O&M Vehicle & Equip	43,524	290,000	(246,476)	15.0%
O&M Contract Labor	94,695	160,000	(65,305)	59.2%
O&M Material and Supplies	32,160	100,000	(67,840)	32.2%
O&M Other Expenses	55,882	75,800	(19,918)	73.7%
Special Projects	713,028	1,375,000	(661,972)	51.9%
Infrastructure Improvement Projects	117,930	1,300,000	(1,182,070)	9.1%
<b>Total Expense</b>	<b>\$ 2,512,017</b>	<b>\$ 5,453,875</b>	<b>\$ (2,941,858)</b>	<b>46.1%</b>
<b>Net Surplus / (Deficit)</b>	<b>\$ 552,582</b>	<b>\$ -</b>	<b>\$ 552,582</b>	<b>100.0%</b>

Note: Results are unaudited and subject to change.

# Financial Review

## Operations Division

	Actual Jul-Sep	Actual Oct-Dec	Actual Jan-Mar	Projected Apr-Jun	Annual Projected	Annual Budget	Over / (Under) Budget (\$)	% of Budget
<b>Revenue</b>								
Revenue	\$ 765,468	\$ 836,276	\$ 1,462,855	\$ 1,331,601	\$ 4,396,199	\$ 5,453,875	\$ (1,057,676)	80.6%
<b>Total Income</b>	<b>765,468</b>	<b>836,276</b>	<b>1,462,855</b>	<b>1,331,601</b>	<b>4,396,199</b>	<b>5,453,875</b>	<b>(1,057,676)</b>	<b>80.6%</b>
<b>Revenue</b>	<b>\$ 765,468</b>	<b>\$ 836,276</b>	<b>\$ 1,462,855</b>	<b>\$ 1,331,601</b>	<b>\$ 4,396,199</b>	<b>\$ 5,453,875</b>	<b>\$ (1,057,676)</b>	<b>80.6%</b>
<b>Expense</b>								
General and Admin Expenses	44,534	73,437	48,846	50,094	216,911	262,525	(45,614)	82.6%
General and Admin Labor	224,840	123,135	152,728	167,550	668,254	670,202	(1,948)	99.7%
O&M Labor	294,494	226,333	266,452	305,087	1,092,364	1,220,348	(127,984)	89.5%
O&M Vehicle & Equip	6,533	17,151	19,841	157,500	201,024	290,000	(88,976)	69.3%
O&M Contract Labor	24,921	29,154	40,620	40,000	134,695	160,000	(25,305)	84.2%
O&M Material and Supplies	5,642	7,158	19,359	25,000	57,160	100,000	(42,840)	57.2%
O&M Other Expenses	10,714	34,335	10,833	14,388	70,269	75,800	(5,531)	92.7%
Special Projects	402,920	234,859	75,249	48,750	761,778	1,375,000	(613,222)	51.4%
Infrastructure Improvement Proj	-	117,160	770	550,000	667,930	1,300,000	(632,070)	51.4%
<b>Total Expense</b>	<b>1,014,598</b>	<b>\$ 862,721</b>	<b>\$ 634,698</b>	<b>\$ 1,358,369</b>	<b>\$ 3,870,386</b>	<b>\$ 5,453,875</b>	<b>\$ (1,583,489)</b>	<b>71.0%</b>
<b>Net Surplus / (Deficit)</b>	<b>(249,130)</b>	<b>\$ (26,446)</b>	<b>\$ 828,157</b>	<b>\$ (26,768)</b>	<b>\$ 525,814</b>	<b>\$ -</b>	<b>\$ 525,814</b>	

**Note:**

- (1) Results are unaudited and subject to change.
- (2) Fourth quarter revenue includes projected FEMA/CalOES reimbursement (\$523K) related to the 2023 Winter Storm Repairs.
- (3) Expenditures for the fourth quarter are currently being reviewed for potential use/implementation and may have an impact on the annual projected surplus.

# Financial Review

	Fisheries Division			
	Jul-Mar (YTD)	Annual Budget	Over / (Under) Budget (\$)	% of Budget
<b>Revenue</b>				
Revenue	\$ 1,207,455	\$ 1,533,913	\$ (326,458)	78.7%
<b>Expense</b>				
General and Admin Expenses	91,772	131,181	(39,409)	70.0%
General and Admin Labor	184,804	296,750	(111,946)	62.3%
Fisheries Labor	604,422	824,382	(219,960)	73.3%
Fisheries Vehicle & Equip	29,623	52,500	(22,877)	56.4%
Fisheries Contract Labor	4,771	14,100	(9,329)	33.8%
Fisheries Material and Supplies	4,776	8,000	(3,224)	59.7%
Fisheries Other Expenses	1,990	10,000	(8,010)	19.9%
Fisheries Activities	62,278	172,000	(109,722)	36.2%
Fisheries Habitat Enhancement	217,442	25,000	192,442	869.8%
<b>Total Expense</b>	<b>\$ 1,201,878</b>	<b>\$ 1,533,913</b>	<b>\$ (332,035)</b>	<b>78.4%</b>
<b>Net Surplus / (Deficit)</b>	<b>\$ 5,577</b>	<b>\$ -</b>	<b>\$ 5,577</b>	<b>100.0%</b>

Note: Results are unaudited and subject to change.



# Financial Review

## Fisheries Division

	Actual Jul-Sep	Actual Oct-Dec	Actual Jan-Mar (*)	Projected Apr-Jun	Annual Projected	Annual Budget	Over/(Under) Budget (\$)	% of Budget
<b>Revenue</b>								
Revenue	\$ 418,834	\$ 413,855	\$ 374,766	\$ 454,516	\$ 1,661,971	\$ 1,533,913	\$ 128,058	108.3%
<b>Expense</b>								
General and Admin Expenses	24,174	41,432	26,165	24,233	116,004	131,181	(15,177)	88.4%
General and Admin Labor	68,771	50,561	65,473	74,188	258,992	296,750	(37,758)	87.3%
Fisheries Labor	228,138	171,168	205,116	206,096	810,517	824,382	(13,865)	98.3%
Fisheries Vehicle & Equip	6,505	10,279	12,840	13,125	42,748	52,500	(9,752)	81.4%
Fisheries Contract Labor	321	4,450	-	2,000	6,771	14,100	(7,329)	48.0%
Fisheries Material and Supplies	314	1,015	3,447	2,000	6,776	8,000	(1,224)	84.7%
Fisheries Other Expenses	222	1,020	748	2,375	4,365	10,000	(5,635)	43.7%
Fisheries Activities	38,302	5,060	27,013	75,250	145,625	172,000	(26,375)	84.7%
Fisheries Habitat Enhancement	137	207,287	1,920	5,000	214,345	25,000	189,345	857.4%
<b>Total Expense</b>	<b>\$ 366,884</b>	<b>\$ 492,273</b>	<b>\$ 342,722</b>	<b>\$ 404,266</b>	<b>\$ 1,606,144</b>	<b>\$ 1,533,913</b>	<b>\$ 72,231</b>	<b>104.7%</b>
<b>Net Surplus / (Deficit)</b>	<b>\$ 51,951</b>	<b>\$ (78,418)</b>	<b>\$ 32,044</b>	<b>\$ 50,250</b>	<b>\$ 55,827</b>	<b>\$ -</b>	<b>\$ 55,827</b>	

**Note:**

- (1) Results are unaudited and subject to change.
- (2) 4th Quarter projected revenue includes Warren Act Trust Fund/Renewal Funds (\$45k) and 2000 BiOp Expense Reimbursement (\$30k) to be collected
- (3) 4th Quarter projected expense includes two quarterly billins for the USGS Stream Gauge Program (\$50k).
- (4) Expenditures for the fourth quarter are currently being reviewed for potential use/implementation and may have an impact on the annual projected surplus.



# Financial Review

## Upcoming Deliverables – Administrative Division

- **Finalize O&M Budget for FY 2024-25.**
- **Pursue FEMA reimbursement for 2023 and 2024 storm events.**
- **Implement Workplace Violence Prevention Program (SB 848).**
- **Pursue grant opportunities for upcoming projects.**
- **Complete GASB 74/75 OPEB valuation.**
- **Prepare for year-end close and annual audit preliminary fieldwork.**

# Financial Review

**QUESTIONS?**

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	April 22, 2024
Submitted by:	Elijah Papen
Approved by:	Janet Gingras

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**SUBJECT:** Lake Cachuma Organic Carbon / Phosphorus Sampling and Source Investigation Study Final Report

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**RECOMMENDATION:**

The Board of Directors receive a presentation on the Lake Cachuma Organic Carbon / Phosphorus Sampling and Source Investigation Study Final Report and file.

**SUMMARY:**

The Board approved a PSA with Geosyntec Consultants (Geosyntec) on October 24, 2022, through Resolution No. 768, to complete the Lake Cachuma Organic Carbon / Phosphorus Sampling and Source Investigation Study (Study). The Study was initiated to address critical questions regarding the environmental behavior of total organic carbon (TOC), phosphorus (P), and hydrogen sulfide (H<sub>2</sub>S) in lake sediment-water systems. These chemical forms drive disinfection byproducts in finished water, algal blooms, and overall source water quality. The goals of the Study were to determine the primary source of total organic carbon, the form and mass of P present in the lake water column and sediments, and P flux from sediment to water column under varying redox conditions. The final report provides a foundation for considering management options should water quality issues arise in the future.

**BACKGROUND:**

The Study involved sampling of lake-bottom sediment cores which were collected using a NLA Gravity Corer system in the spring and summer of 2023. The cores were collected in clear barrels and shipped to the consultant's chosen labs to perform months-long incubations. During the incubation process, overlying water was systematically withdrawn from the core containers to assess changes in P form and concentration under oxic and anoxic conditions. The two different treatments simulated annual stratification at Lake Cachuma in which the lake bottom becomes a key source of P and H<sub>2</sub>S accumulation during summer anoxia. The incubations were duplicated for newly deposited sediments versus older sediments deposited prior to early 2023 winter storms to compare the two sample sets. Additional sediment and water samples were collected in the field to assess other Study questions related to TOC, P, and H<sub>2</sub>S.

**RESULTS:**

In Lake Cachuma, P exists in various bound forms within the lake sediments. Binding sites affect the availability under variable redox conditions. One key finding was that Iron-Bound P was the predominant inorganic form in most sediment samples of Lake Cachuma. Iron-Bound P is readily released and has the potential to significantly contribute to internal P loading in the lake water column. This means a bulk fraction of phosphorus is likely accumulating in deep anoxic water in the summer, activating algal blooms in spring when the temperatures increase.

Another key finding was the quantification of P release rates for the various treatments. This allows a comparison between internal lake sources versus external tributary sources of P. The results confirmed that oxic sediments at Lake Cachuma have very little impact on P loading compared to anoxic sediments. Not surprisingly, the findings indicated that P loads to Lake Cachuma are likely dominated by internal lake sediment release during dry years, while tributary inflow is the primary source during wet years. For example, in the critically dry 2021 water year, Geosyntec estimated 170kg of Total P contribution from tributary sources and 15,000kg of internal contributions released from the lake sediments. In water year 2023, which was marked by significant precipitation, tributary contributions were estimated to be much greater than internal processes by an order of magnitude. It was also reported that the older sediments (impacted by wildfires, reprocessing, etc.) were releasing P at a rate four times greater than newly deposited sediments. This quantitative information will be helpful in developing a water quality model.

The outcome of the carbon analysis revealed a dominance of short carbon chains, suggesting microbial reprocessing, resynthesis, or charred biomass. Unfortunately, the results give us little insight into the predominant source of carbon being algal or terrestrial, as the identity of the longer parent carbon chains is extremely difficult to recreate after reprocessing occurs. The degradation and transformation processes alter the length of the chain with respect to the original source.

Hydrogen Sulfide formation in the sediment cores under anoxic conditions revealed significant production. The Study suggests the production of H<sub>2</sub>S occurring at the sediment-water interface near the lake bottom is a significant concern if downstream discharges are being drafted adjacent to anoxic sediment without prior aeration.

Overall, the Study results make it clear that the production of P (causing algal blooms and contributing to eutrophication) and H<sub>2</sub>S (a concern when bottom-drafted water is released) is driven by anoxia. In this case, management options such as hypolimnetic oxygenation or aeration would likely be effective in reducing release rates. Also promising is the “capping” effect, where freshly mobilized sediments replace older (sometimes wildfire-derived) sediments characterized by having higher P release rates. The timing of the Study highlighted some of the differences between extreme dry and extreme wet years, with current TOC concentrations returning to very favorable levels after two years of reservoir water flushing and exchange.

**FINANCIAL IMPACT:**

The Board approved a budget of \$123,128 for the Lake Cachuma Organic Carbon / Phosphorus Sampling and Source Investigation.

**LIST OF EXHIBITS:**

N/A

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	April 22, 2024
Submitted by:	Joel Degner
Approved by:	Janet Gingras

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**SUBJECT:** Purchase of Replacement Fleet Vehicle – Operations Division

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**RECOMMENDATION:**

The Board of Directors receive information on the purchase of a replacement fleet vehicle, specifically an electric truck for the Operations Division in an amount not-to-exceed \$75,000; and authorize the General Manager to execute a purchase order to acquire the fleet vehicle.

**SUMMARY:**

COMB plans to purchase a replacement fleet vehicle as considered in the capital planning matrix developed for COMB vehicle replacement purchases. The Fiscal Year 2023-24 Operating Budget contains funding for the purchase of an electric truck for the Operations Division, which conforms to our Sustainability Plan and will be compliant with the new California Air Resources Board (CARB) State and Local Government Agency Fleet regulations. The new regulations require any state or local government entity that operates one or more vehicles (over 8,500 GVWR) to ensure that fifty percent of their annual vehicle purchases per calendar year are zero-emissions. COMB plans to purchase a new crane truck in Fiscal Year 2024-25 and this purchase of the electric truck would allow COMB to comply with the new fleet regulations.

In addition, the purchase of this electric vehicle will enable the operations crew to charge battery powered tools in the field such as weed-whippers and other landscaping equipment. As of January 1, 2024, California has banned the sale of small off-road engines which includes all gas-powered lawn and landscape equipment, generators, pressure washers, and chain saws. COMB can continue to utilize its existing gas-powered equipment until it becomes obsolete and will need to replace with battery-powered equipment in the future.

Per COMB's procurement policy, staff obtained two separate quotes for this model of the Ford Lightning Truck and identified a dealership in Southern California that offered the best price and amenities. The current COMB vehicle to be replaced (2008 Ford Explorer) will be sold at auction.

**FISCAL IMPACTS:**

The current fiscal year operating budget contains funding for the purchase of the replacement fleet vehicle.

**LIST OF EXHIBITS:**

N/A

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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.”*

April 22, 2024

**General Manager Report**

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

Administration

- **Fiscal Year 2024-25 Annual Operating Budget**

Staff has developed and submitted the Draft Fiscal Year 2024-25 Annual Operating Budget to Member Agency staff for review and comments. Once comments are received and incorporated, staff will present the draft document to the Administrative Committee in late April with a Board Budget workshop scheduled for early May and anticipated Board approval at the regular COMB Board meeting in May.

- **Contracts Executed by the General Manager – 3<sup>rd</sup> Quarter Fiscal Year 2023-24**

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 January 1, 2024 through March 31, 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 January 1, 2024 through March 31, 2024, sorted by execution date.

Table 1					
Contracts Executed by General Manager					
January 1, 2024 through March 31, 2024					
Vendor Name	Contract Description	Board Approved	Date Executed	Date Expires	Contract Amount
Flowers & Associates, Inc.	On-Call Engineering Services		02/01/2024	06/30/2024	\$15,000

- **Letter to California Fish and Game Commission**

Staff submitted the Board approved letter to the California Fish and Game Commission which was included in the Commission's Board packet (Exhibit 8) for the agenda at their April 17-18, 2024 Board meeting in San Jose.

## COMB FY 2023-24 Accomplishments and FY 2024-25 Goals by Division

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### **Administrative Division Activities / Accomplishments**

- Awarded the Certificate of Achievement for Excellence in Financial Reporting from the Government Finance Officers Association (GFOA) for the Fiscal Year 2021-22 Annual Comprehensive Financial Report.
- Fiscal Year 2022-23 Audited Financial Statements received an unmodified (“clean”) opinion.
- Awarded the Distinguished Budget Presentation Award from the GFOA for the FY 2023-24 COMB Operating Budget document.
- Initiated renewal discussions with United States Bureau of Reclamation (Reclamation) for the Cachuma Transferred Project Works Contract. Executed a three-year amendatory contract to allow for the completion of a long-term agreement.
- Initiated discussions with Reclamation related to capitalizing certain key assets that COMB paid and installed within federal easements. Executed a twenty-five year license agreement with Reclamation for both the Modified Upper Reach Reliability Project and the Lake Cachuma Secured Pipeline. The license agreement provided COMB’s auditors with the documentation necessary to capitalize both assets which will significantly improve COMB’s financial position.
- Participated in a technical session with Reclamation to discuss the process of finalizing the Bradbury Dam Safety of Dams contract including any amendments that may be needed. The contract is expected to be finalized in the spring of 2024.
- Participated in the County of Santa Barbara Office of Emergency Management update to the Multi-Jurisdictional Hazard Mitigation Plan (MJHMP). COMB as a member of the Mitigation Advisory committee provided input on local hazard management activities and reviewed draft MJHMP components as part of a regional effort to update the MJHMP and annexes. the Plan was adopted in the spring of 2023.
- Participated in the Santa Barbara County Integrated Regional Water Management Program (IRWMP). The Cooperating Partners of IRWMP meet regularly to promote and practice integrated regional water management strategies; to ensure sustainable water uses, reliable water supplies and water quality, environmental stewardship, efficient urban development; and protection of agricultural and watershed awareness.
- Executed a subgrant agreement with the Santa Barbara County Water Agency under the Integrated Regional Water Management (IRWM) Implementation Grant Solicitation. COMB was awarded \$1M in grant funding to be used for the Lake Cachuma Secured Pipeline Agreement. Submitted invoicing materials and other deliverables necessary for reimbursement under the agreement.
- Initiated the application process and worked closely with FEMA/CalOES for federal disaster relief funding for damages that resulted from the 2023 storm events.
- Administrative Manager/CFO attended the 2023 GFOA Annual Conference and participated in several educational sessions including: Accounting and Auditing Updates for 2023, GASB Statement No. 96 – Accounting for Subscription Based Information Technology Arrangements (SBITA), Financial Forecasting, Capital Planning and Asset Management, Federal Funding Opportunities, and Cybersecurity Best Practices.
- Administrative Manager / CFO appointed to the Finance and Audit Committee of ACWA JPIA. The primary responsibility of the Committee is to put forward recommendations for approval to the Executive Committee with respect to audit, budget and investment policy.
- Completed the annual ACWA JPIA Worker’s Compensation, Liability, and Property Risk Assessment. ACWA JPIA reviewed COMB’s Employment Practices, Heat Illness Prevention Program, ACWA’s Risk Control and Risk Transfer Manual, and COMB’s Workers Compensation and Liability Program experience history.



- Received the President's Special Recognition Award from the Association of California Water Agencies. The JPIA recognizes its members that have a loss ratio of 20% or less in the Liability, Property and Worker's Compensation programs.
- Conducted the annual Information Technology (IT) review with COMB's outsourced IT consultant. The purpose of the meeting was to review COMB's server and network systems, identify updates to system requirements, assess current IT protocols, review data disaster recovery practices, as well as, identify potential new risks against cybersecurity threats.
- Updated various internal operational safety procedures/protocols to maintain a safe and healthy working environment, free from hazards, for all employees including COMB's Injury and Illness Prevention Plan, Safe Operating Procedures Manual and Heat Illness Prevention Plan.
- Updated COMB's Personnel Policy and Employee Handbook for labor law updates and changes.
- COMB field and administrative staff completed their biennial First Aid/CPR certification training.
- Hired and trained an Administrative Assistant II position.

### **Administrative Division Goals**

- Continue discussion with Reclamation to execute a long-term Cachuma Transferred Project Works Contract.
- Enhance Annual Comprehensive Financial Report (ACFR) audit/budget documents.
- Advancement of ACWA JPIA Commitment to Excellence Program
- Update COMB Risk and Resilience Assessment and Emergency Response Plan
- Update COMB Personnel Policy and Employee Handbook / Injury Illness Prevention Plan (IIPP) and Safe Operating Procedures.
- Explore alternative sources of renewable energy.
- Advancement of IT network and infrastructure and security protocols.
- Advancement of Board Policies and Internal Procedures.
- Pursue and Coordinate Grant Reimbursement (FEMA, USBR, DWR, IRWMP)
- Staff professional development and training

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### **Engineer - Operations Division Activities / Accomplishments**

- Completed debris removal from 2023 Winter Storms that was deposited in debris basins around Lauro Reservoir to prepare for the 2024 Winter season with contractor. Replaced the Lauro Debris Basin pump which burned out from extensive use during the 2023 storm season.
- Completed repair of washout on Lauro Reservoir Bypass Channel with contract which included mitigation to extend the concrete channel by 80 feet to prevent damage in future events. New concrete channel functioned well in 2024 storms. Performed repairs on unimproved sections of the bypass channel which failed in three spots during the 2024 storm events.
- Removed sediment from Lauro Reservoir Spillway Stilling Well utilizing large vacuum truck contractor to prevent impacts to San Roque Creek. Spillway was flowing at capacity during 2024 storms following the cleanout and the timely cleanout was important to prevent damage during the 2024 rainy season.
- Repaired damage to two blowoff structures from the 2023 Winter Storms.
- Cleaned Ortega Reservoir following a two-month shutdown of the reservoir for extensive joint sealing and repair by MWD/CVWD contractor and returned the reservoir to normal service in collaboration with MWD.

- Set up and operated emergency bypass pumping system from the stilling basin below Bradbury Dam to the lower Santa Ynez River under Reclamation direction and in collaboration with COMB Fisheries to allow Reclamation to install refurbished fixed cone valve and test new spillway gate motors at Bradbury Dam. The pump-bypass system allowed the critical maintenance work to be performed without impacting flows downstream. Both the spillway motors and outlet works valve were used extensively in the winter of 2024 by Reclamation in managing flows.
- Replaced the pressure transducers in Carpinteria Reservoir to improve accuracy of reservoir elevation reading in collaboration with the City of Santa Barbara and CVWD.
- Assisted GWD and MWD with turnout shutdowns from the South Coast Conduit system to facilitate repairs in their portion of the system.
- Removed the Stow Ranch meter and re-piped structure back into a blowoff-only configuration in collaboration with Stow Ranch and GWD.
- Obtained coverage under the state drinking water discharge permit for maintenance and emergency discharges which is a better fit for the Cachuma Project system than the limited threat discharge permit COMB previously had coverage under.
- Completed TOC/Phosphorous Source Study which had added challenges to the large influx of sediment and water that occurred during the 2023 Winter Storms.
- Operated and maintained the South Coast Conduit, which consists of 26.5 miles of pipeline with a combined 124 blow off and air vent structures, 43 turnout structures, 20 meters and 4 regulating reservoirs.
- Imported COMB GIS system to ESRI Field Maps program and began a systematic update of GPS-locations of structures with centimeter-grade accuracy to more accurately map the location of the South Coast Conduit and allow Operations staff to better utilize GIS in the field.
- Participated in the Annual Site inspections and five-year Hazardous Waste Audit with US Bureau of Reclamation staff.
- Received and reviewed 1129 Underground Service Alerts (Dig Alerts) tickets and took appropriate action, as necessary.
- Prepared an extensive update to the Infrastructure Improvement Plan for the five-year period from 2025-2029.
- Performed repairs of the Operations Building to prevent ponding of water outside of the building from entering the buildings during storm events.
- Monitored numerous construction projects adjacent to and within the United States Bureau of Reclamation right-of-way to ensure the protection of the South Coast Conduit.
- Removed vegetation at all structure sites to ensure defensible space as required by the Santa Barbara County Fire Marshal.
- Performed weekly inspections of major facilities.
- Performed routine dam inspections and instrumentation reports (all reservoirs).
- Performed North reach structure maintenance and control station valve exercising as part of the annual Operating Division work plan.
- Enhanced the Lake Cachuma elevation projection model for water supply and conveyance planning purposes.
- Maintained the logboom around the intake tower which has been breaking more frequently requiring repairs on approximately 10 occasions during the course of the year.
- Repaired, cracked sealed, and seal coated the asphalt around Lauro Office and Yard with asphalt contractor.
- Maintained certified D3 operators for the D3 classified system. COMB staff currently has five (5) D3 certified operators on staff for the D3 classified system.
- Continued advancement of COMB's internal water accounting model to automate and improve monthly water accounting reports.
- Conducted safety-training meetings include Confined Space Rescue training.

### **Operations Division Goals**

- Continue structure rehabilitation on the lower reach of the South Coast Conduit.
  - Make improvements to the South Coast Conduit in collaboration with CVWD to allow for improved future maintenance of the South Coast Conduit in that area.
  - Implement Phase 2 actions for the Lake Cachuma Water Quality and Sediment Management Study related to additional sampling and water quality model development.
  - Make necessary improvements to complete Reclamation recommendations from 2022 Comprehensive Facility Review and past reviews.
  - Complete repairs and debris removal related to the 2024 storms.
  - Continue to organize and digitize historical records with focus on historical photos of the construction of the South Coast Conduit and obtaining available drawings from Reclamation.
  - Perform a comprehensive update of the GIS information in COMB system into ESRI Field Maps and update field maplet system for USAs.
  - Continue to improve system records for maintenance and right-of-way program.
  - Continue to encourage staff development and certification as water system distribution operators, qualified applicators, and appropriate safety training.
  - Continue to seek grant funding for upcoming projects, especially for projects listed within the Infrastructure Improvement Plan's five year planning horizon.
  - Update COMB's Risk and Resilience Assessment and perform studies and modifications on key infrastructure to improve resiliency and safety.
- 

### **Fisheries Division Activities / Accomplishments**

- Conducted all 2000 BiOp compliance monitoring in the Lower Santa Ynez River (LYSR) basin and its tributaries including Lake Cachuma water quality monitoring pursuant to associated guidance documents.
- Conducted all monitoring, analyses, and reporting as requested by U.S. Bureau of Reclamation (Reclamation) in compliance with the State Water Board Order WR 2019-0148.
- Completed the Water Year (WY) 2022 Annual Monitoring Report (AMR) and Annual Monitoring Summary (AMS).
- Transferred all field monitoring data files to Reclamation via the established data portal for WY2022 and files from previous years if there were modifications after a QA/QC process with Reclamation.
- Provided comments on draft sections of the Biological Assessment as requested by Reclamation for their reconsultation efforts with the National Marine Fisheries Service (NMFS).
- Worked closely with Reclamation upon their request to monitor Hilton Creek and the LSYR mainstem during all required testing, modifications, or operations of Bradbury Dam, the Hilton Creek Watering System, and the Hilton Creek Emergency Backup System to safeguard the fishery downstream of the dam and assisted Reclamation operations staff.
- Worked with Reclamation to draft a 2-year gravel augmentation plan for Hilton Creek and the LSYR mainstem on Reclamation property that is scheduled to start next fall.
- Continued to work closely and collaboratively with California Department of Fish and Wildlife, Reclamation, and NMFS on fish rescue in the LSYR mainstem and its tributaries as needed and requested due to dam operations, specifically spill ramp down, or tributary habitat enhancement efforts.
- Conducted WY2023 spill ramp down surveys looking for stranded fish or mortalities. This effort continued throughout the dry season.
- Wrote and submitted to Reclamation the Mudflow Report (1/9/23) and the WY2023 Spill Ramp-Down Report (3/9/23 and 1/30/24), each incident had *O. mykiss* mortalities and the need for fish rescue/relocation efforts.

- Assisted CDFW in fish rescue and relocation efforts at Quiota Creek Crossing 9 just prior to instream elements being improved in the fall.
- Successfully completed the Fish Passage Enhancement Project at Quiota Creek Crossing 5 and Crossing 9 during the fall of 2023.
- Completed fish scale mounting, photographing, reading, and reporting for WY2023 and WY2014 as part of the WY2023 AMS.
- Worked with the COMB Operations Division on monitoring algae, nutrients, and water quality in Lake Cachuma throughout the year and participated in the TOC/P Study of Lake Cachuma, specifically the sediment study and reviewing draft reports.
- Monitored and maintained all mitigation oak trees near Lake Cachuma as part of the surcharge operation at the Dam. COMB has planted approximately 5,740 oak trees under this program since its inception in 2005.
- Completed the 2022 Annual Oak Tree Survey and reported the status of the Lake Cachuma Oak Tree Restoration Program with FY23 financials to the Oak Tree Committee and COMB Board.
- Drafted a WCB grant proposal for multiple fish passage enhancement projects.
- Updated the Fisheries Division Habitat Improvement Plan with all potential fish passage projects over the next 5 fiscal years.
- Maintained a rigorous watering/weeding effort of the mitigation trees in the Lake Cachuma Oak Tree Restoration Program throughout the dry season that has shown positive results in sustaining those trees.
- Obtained a CDFW 2081(A) MOU and a CDFW Scientific Collection Permit for CESA take coverage for all components of our monitoring program.
- Presented a poster at the 2023 SRF annual fisheries conference in Fortuna on Sulfur and Salmonids and gave an oral presentation at the 2024 SRF conference in Santa Rosa on fish and high flow releases.
- In the process of completing the WY2023 Annual Monitoring Report (AMR) and Annual Monitoring Summary (AMS).

### **Fisheries Division Goals**

- Continue to conduct all Federal (BiOp) and State (WRO) required monitoring and reporting.
- Continue to assist Reclamation on all requested tasks for fisheries monitoring during dam operations and review documents for their reconsultation efforts with the National Marine Fisheries Service (NMFS).
- Continue maintaining and monitoring all oak trees in the Lake Cachuma Oak Tree Restoration Program.
- Implement the Gravel Augmentation Program in Hilton Creek and the LYSR mainstem on Reclamation property during this year and the following.
- Implement fish passage and habitat enhancement projects within the LYSR basin as funds and permits become available, specifically in the Quiota Creek and El Jaro Creek drainages.
- Complete the WY2024 Annual Monitoring Report and Annual Monitoring Summary.
- Operate a PIT tag monitoring station during the migration season.
- Work with COMB Administration and Operations to construct a solar panel generating system on campus.

Respectfully submitted,

*Janet Gingras*

General Manager

# CACHUMA OPERATION AND MAINTENANCE BOARD

## MEMORANDUM

**DATE:** April 22, 2024  
**TO:** Janet Gingras, General Manager  
**FROM:** Joel Degner, Engineer/Operations Division Manager  
**RE: MONTHLY ENGINEERING REPORT**

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

### **CLIMATE CONDITIONS**

The Water Year 2023-2024 rainfall totals are 149% of normal to date as of 4/15/24 for the County of Santa Barbara. Reclamation began precautionary spillway releases on February 1<sup>st</sup> to prepare for the storms and declared surplus water available starting February 1<sup>st</sup> which has continued into April 2024. Over 160,000 acre-feet has spilled from the reservoir through 4/17/24 which has resulted in the spill of carryover water from the reservoir. The Cachuma computed inflow to date (4/17/24) is 204,650 acre-feet. The recession inflow in Lake Cachuma (baseflow following storm events) has been trending higher similar to 2023 which has extended the availability of surplus into April which will likely continue into May. Surplus water is available when the reservoir is in a spill condition. The National Weather Service Climate Prediction Center expects El Niño conditions to transition to neutral by April-June 2024 (85%) with increasing odds of La Niña is expected in June-August 2024 (60%).

### **LAKE ELEVATION PROJECTION**

The Cachuma Reservoir elevation was 753.21' (100.6%, 193,678 acre-feet) as of April 17th, 2024. The following assumptions are utilized in the modeling of the lake elevation:

- Hydrologic conditions for WY 2024 similar to 2005 and 2025 similar to WY 2013
- No downstream release in 2024 or 2025 (except for the conservative scenario in 2025)
- Member agency imports and exports based on forecasts for 2025 similar to 2024.
- Fish releases are based on Reclamation's Term 15/16 compliance tables in the optimistic and realistic scenario. The conservative scenario continues the releases with a buffer beyond Reclamation's Term 15/16 compliance tables which was increased by 20 percent from the compliance tables.

If water year 2025 was dry the lake elevation would drop between 740' and 730' (Figure 1) by September 2025. The Emergency Pumping Facility would not need to be activated. The Hilton Creek Watering System likely can remain on gravity flow through into the winter of 2025-26.

Spring storms in March and April 2024 resulted in cooler conditions reducing outdoor irrigation demands. The trend of lower evaporation rates due to wet conditions in 2024 continues the trend from 2023 (Figure 2).

### **METER ACCURACY IMPROVEMENTS**

COMB purchased two new pressure transmitters for the Lauro Inflow and North Portal venturi meters. Existing transmitters are 20 years old and at the limit of their service life. Lauro inflow meter is an operational meter and not used for accounting purposes but is key to the management of Lauro Reservoir elevation. The North Portal Venturi meter is key meter to measuring the diversion from the lake. The new transmitters are designed to be more accurate at lower flow rates. In addition, COMB plans to replace the existing propeller meter at the Valley Club in Montecito meter with an electronic magnetic meter that will more accurately measure low flows and also has the capability for MWD to connect the meter into their AMI infrastructure. Purchase of the three meters combined is approximately \$15,000 and was funded through the material/supplies budget item (3401) for Fiscal Year 2023-24.

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

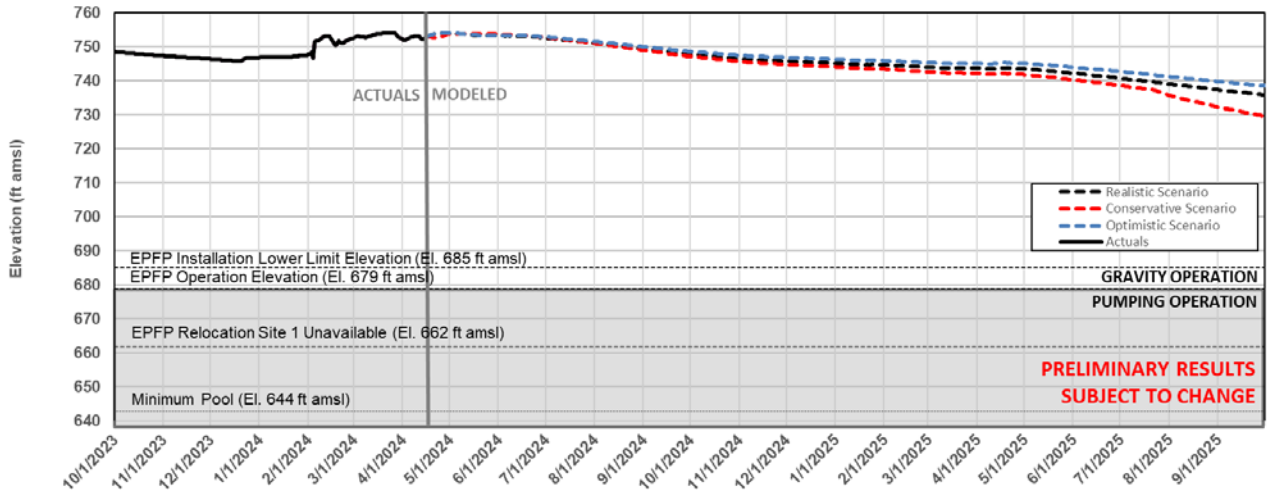


Figure 1. Lake Cachuma Elevation Projection Assuming Dry Conditions (as of April 15th, 2024)

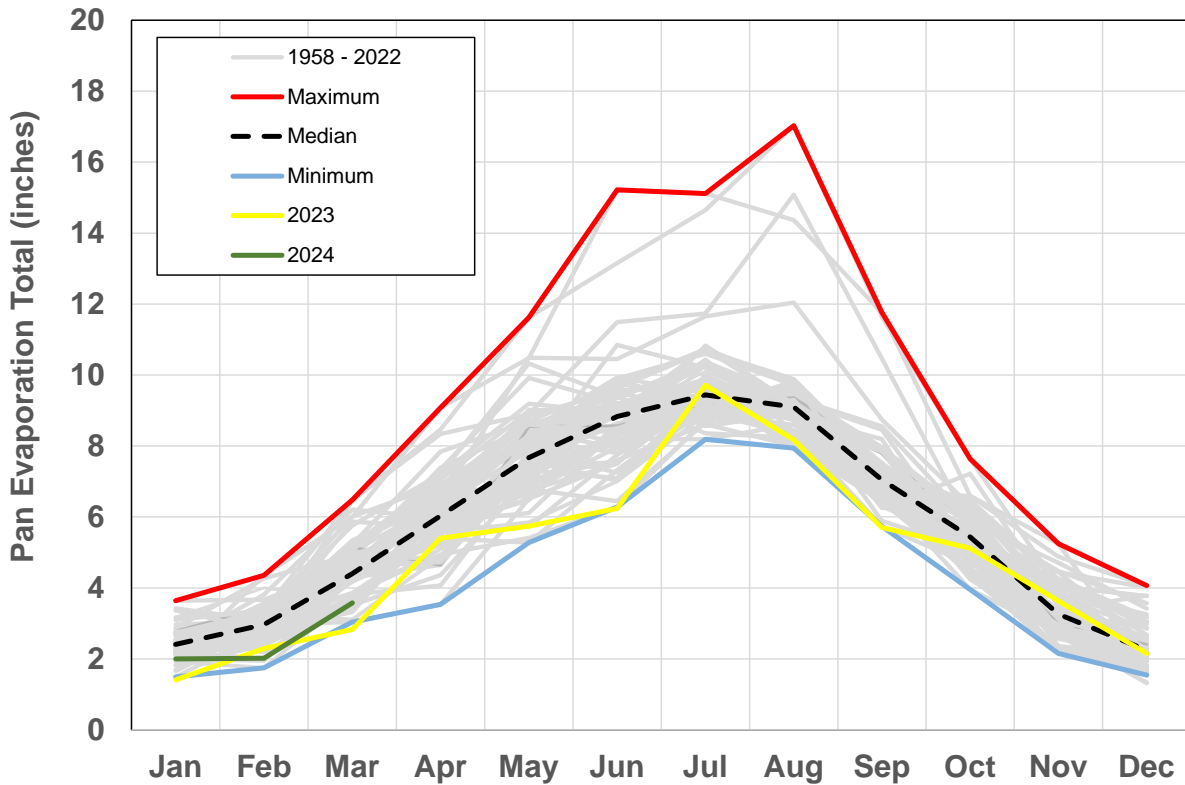


Figure 2. Lake Cachuma Pan Evaporation (as of April 15th, 2024)

**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 FEMA program manager for further review and funding. FEMA has indicated that they would provide mitigation for the construction costs for the Lauro Reservoir bypass channel/road, however, engineering costs may not be covered. COMB staff has requested the engineering costs to be included as well. All repair work for damages has been completed. COMB has received the steel lid for installation at Toro Canyon blowoff for mitigation, which will be installed once conditions further dry out. COMB budgeted approximately \$73,000 in net 2023 Winter Storm repair costs for Fiscal Year 2023-2024 factoring in FEMA/CalOES reimbursements. The overall current expected difference between costs and reimbursement is \$154,000. However, the reimbursement from County-wide Debris Removal – Category A (\$44,251) was for costs that occurred in Fiscal Year 2022-23 which can be used to cover some the difference in budgeted and actual costs and reimbursement for Fiscal Year 2023-24.

A federal disaster was declared in California for the January 31 to February 9<sup>th</sup>, 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 plans to request public assistance funding for the damage that occurred in 2024.

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. The notification is not a guarantee of funding but is significant step in the process of potentially obtaining funding.

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

Site	Cat	Location	Work Type	Estimated Cost	% Complete	Estimated Reimbursible	Received as 2/20/24	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 potentially denying application.
Sediment Removal From Water Control Facilities	D	Lauro Main Debris Basin	Contract	\$ 303,000	100%	\$284,063	\$0	Obligated
		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	\$ 211,270	100%	\$155,128	\$0	Pending EHP Review
Blowoff Repairs	G	Montecito Blowoff Repair	Force Account	\$ 4,290	100%	\$4,022	\$0	EHP Request for Information received and responded to
		Toro Canyon Blowoff Repair	Contract	\$ 70,354	80%	\$65,957	\$0	
Administration	Z	COMB Administrative Costs	Force Account	\$ 15,000	80%	\$14,063	\$0	Pending Initial Project Development
<b>Total</b>				<b>\$ 721,462</b>	<b>97%</b>	<b>\$ 567,483</b>	<b>\$0</b>	

**INFRASTRUCTURE IMPROVEMENT PROJECTS**

Table 2 provides the status of Fiscal Year 2023-24 infrastructure improvement and special projects. COMB staff has prepared a five-year update to the Infrastructure Improvement plan to assist with the Fiscal Year 2024-2025 budget preparation and future project planning.

**Table 2. Fiscal Year 2023-2024 Infrastructure Improvement Projects**

Infrastructure Improvement Projects	Status / Phase	Complexity / Challenges	Estimated Completion Date
<b>Infrastructure Improvement Projects</b>			
SCC Line Valves for Shutdown	Contractor was engaged to perform design on Lillingston Line valve. However, a suitable location was unable to be identified which avoided conflicts with other utilities.	A Cooperative Agreement between CWWD and COMB has been approved by COMB and CVWD to facilitate the work.	An additional SCC Line Valve has been postponed as it is more advantageous to combine the cooperative agreement resources for lateral rehabilitation.
SCC Structure Rehabilitation : Lower Reach Laterals	CVWD and COMB boards have approved Phase 2. A portion of Phase 2 requires a permit from Caltrans which was received on 12/31/23. Reclamation completed the additional cultural/NEPA review at the end of January and the work is cleared to proceed.	In order to facilitate shutdowns on the Lower Reach of the SCC, lateral valves need replacement. COMB is collaborating with CVWD on this project.	Phase 2 is planned to be initiated in May 2024. Work has been delayed by permit requirements and winter storms.
SCC Structure Rehabilitation	Several remaining blowoffs need preventative rehabilitation to prevent unplanned outages. All AVARs on the SCC have been raised above grade. Shutdowns will not be feasible this year and the work has been postponed. A portion of the budget was reallocated to the Bradbury Dam Stilling Basin Pump Project	The shutdown needed require coordination with CVWD and completion of the lateral rehabilitation prior to shutdown.	SCC Structure Rehabilitation is postponed until FY 2024-25, as shutdowns are dependent on CVWD coordination and completion of lateral rehabilitation.
<b>Special Projects</b>			
Lake Cachuma Water Quality and Sediment Management Study	COMB awarded the contract for the Phase 2 phosphorous/TOC source study in October 2022. A kickoff meeting was conducted in December and a work plan was provided in March with sediment sampling occurring in early June 2023. Sediment and water samples were analyzed by specialized laboratories. Consultant has received the lab results and provided a draft report and presentation. COMB and member agency staff provided comments on the draft report. The final report was provided to COMB.	COMB staff has taken additional tributary samples through winter months to supplement the study. The rise in lake level complicates sediment sampling procedures at the deepest part of the lake. In addition, with the high amounts of inflow and sedimentation - the entire volume of the lake has been exchanged with new water and the bottom is likely covered with an extensive layer of new sediment. Additional scope was added to analyze sediment from 2023 and previous years based on dating the cores. Cores could not be taken from the deepest part of the lake due to the softness of the bottom sediment.	A focused phosphorous and TOC sourcing study by COMB was initiated in 2022/2023 and completed in April 2024.
COMB Bldg/Ground Repair	COMB is investigating options for the installation of a solar energy system to offset COMB's energy usage as part of the Sustainability Plan. COMB met with SCE regarding vehicle charging infrastructure and metering options. COMB staff has been updating utility information on COMB's system to provide the data need to determine the most beneficial system to work with the existing facilities.	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. It may be possible to offset all of COMB's electrical usage with a modestly sized solar power system to achieve net zero in electrical usage for water delivery. COMB will also evaluate the possibility solar energy for vehicle energy use as well.	COMB plans to evaluate options for solar this summer/fall Installation of a solar system may require Reclamation engineering and environmental review.
2023 Winter Storm Repairs	Debris removal completed in early September. Lauro Reservoir Bypass Channel Repair construction completed at end of November. In addition COMB staff completed working on several smaller cleanup projects related to blowoff structures and access roads. Remaining work planned is to replace the Toro Canyon blowoff lid with a steel lid bolted to the structure to better resist flooding impacts. COMB is working with FEMA on a weekly basis to obtain reimbursement for the completed work related to the disaster.	The winter storms of 2023 resulted in debris deposition and damage throughout the Cachuma Project system. The current forecast is for El Nino to continue. El Nino has been associated with wetter rainfall years, so it is important to repair infrastructure to prepare for the next winter.	All repairs were completed prior to the winter 2023-24 rainy season. Improvements are planned for the Toro Canyon Blowoff to prevent future damage.



## CACHUMA OPERATION AND MAINTENANCE BOARD

**DATE:** April 22, 2024  
**TO:** Janet Gingras, General Manager  
**FROM:** Shane King, Operations Supervisor  
**RE:** **MONTHLY REPORT OF OPERATIONS – March 2024**

The total flow from Lake Cachuma into the Tecolote Tunnel for March was 1,030.08 acre-feet, for an average daily flow of 33.23 acre-feet. Lake elevation was 752.65 feet at the beginning of March and 752.53 feet at the end of March. Lake storage decreased by 31.08 acre-feet. There was 0.0 acre-feet of inflow from CCWA into Cachuma Project facilities this month. The City of Santa Barbara wheeled 316.21 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized and delivered 435.82 acre-feet of water to Hilton Creek for the month of March.

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 consist 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 March 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 111 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 staff has continued with performing post storm clean-up activities for the large storms in January and February.
- Operations staff repaired the log boom around the north portal intake tower at Cachuma lake. Heavy wind and rain during rainstorms in late March, early April caused the log boom to separate at several sections and staff gathered sections from around the lake and repaired as needed.
- COMB staff participated in additional confined space rescue training with CMC Pro performing six additional rescues and reviewing rescue options at the North Portal Elevator shaft. Based on consultation with CMC Pro COMB staff plans to purchase additional safety equipment to be prepared for rescues and scenarios if needed and to replace aging equipment. (see photos)
- COMB staff monitored Caltrans contractor removing boulders and sediment underneath Arroyo Paredon bridge to ensure the pipeline was protected while they performed emergency maintenance to restore the flow capacity of the bridge. (see photos)
- COMB exercised valves and slide gates at the South Portal and Glen Anne Turnout coordinating with GWD. The valve exercising was planned for when Corona del Mar Water Treatment Plant had a planned shutdown so it would not impact treatment plant operations.
- COMB staff worked with Otis to repair damaged sensors in the North Portal Elevator shaft. The elevator has not been functional due to increased seepage from the lake being at the maximum elevation.
- Smith Electric repaired an inoperable electric valve actuator at Lauro Control Station. The open/close motor starter contactors burned up due to power wiring shorting to ground inside the conduit run from the breaker panel. The contactors were replaced and tested.
- Hoist Inspection and load test of the 2-ton fish screen hoist at the North Portal was performed by Aerial & Crane Experts, Inc. (see photos)
- Operations staff assisted with additional tributary sampling taken during rain runoff flow events to better characterize the water quality entering the lake.
- Staff conducted weed abatement around the North Portal buildings and site. This work is conducted annually in accordance with COMB's SCC and building/grounds Right-of-way and brush clearing program.
- Operations division continues working through its annual structure maintenance program on the south reach sections of the SCC (Lauro reservoir to Carpinteria reservoir). This work includes visiting each air vent, blow off, lateral, and meter structures and performing annual maintenance. In addition, staff is gathering new GPS locations of each structure to improve COMB's alignment of the SCC. Staff visited ~10 structures this month. Work completed at these structures include:
  - Pump out any water that may have accumulated since last visit
  - Remove any debris/dirt
  - Re-paint confined space signage as needed
  - Re-paint station number as needed
  - Exercise valves and AVAR's
  - Clear any vegetation from around structure
  - Document any assets that may need replacement/repairs

Confined space rescue training with CMC



Aerial crane inspection





Rock and sediment removal at Arroyo Paredon



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

**DATE:** April 22, 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 7.0 cfs) plus upper basin flows (> 7 cfs since the early March storms) 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 48 cfs as of 2/15/24 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.
  - Bradbury Dam started spilling on 2/1/24, USBR declared Surplus Water effective that day, and the trigger for Table 2 flows was reached on 2/6/24.
  - The dam radial gates were closed on 3/10/24 and reopened on 3/28/24 due to stormflow conditions.
- Stranding surveys during spill ramp-downs have been reinitiated and will continue as USBR adjusts dam releases in compliance with Table 2 flows.

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

**LSYR Steelhead Monitoring Elements:**

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

**Stranding Surveys:** As USBR adjusts dam releases from the WY2024 spill in compliance with WRO 2019-0148 Table 2 flow requirements at Alisal Bridge and Highway 154 Bridge, surveys have been conducted by COMB-FD staff to look for stranded fish or mortalities

during spill ramp-down as the river flows recede into the lower flow channels. Observations are immediately provided to USBR.

**Redd Surveys:** Redd surveys are conducted approximately every two weeks from mid-December through May (depending on streamflow conditions). Surveys are conducted within the LSYR mainstem in the Highway 154, Refugio, and Alisal reaches where access is permitted, and certain sections of Hilton, Quiota, and Salsipuedes/El Jaro creeks. The number of redds is reported in the Annual Monitoring Report/Summary.

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

Multiple moderate rainfall events in March were sufficient to continue the spill specifically on 3/2/24, 3/7/24, 3/23/24, and 3/30/24. Dam releases varied from approximately 250 cfs to over 3,000 cfs at the end of the month.

The minimum target flow of 2 cfs to Hilton Creek was met throughout March with HCWS gravity flow to the URP and a small amount to the LRP (approximately 7 cfs) and upper basin flows (> 7 cfs since the early March storms) for a total of over 14 cfs throughout March 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 (48 cfs as of 2/15/24) in February and into April. Target flows at the Alisal Bridge and Highway 154 Bridge were being met as recorded by the USGS at each site with Bradbury Dam spilling since 2/1/24. The new USGS stream gage at the Highway154 Bridge is operating as designed and contracted. This is a low flow gage that continually records stage but only records river discharges up to 65 cfs. USBR continues to work with the State Board to modify Term 18 and Term 25 to officially move the target flow compliance point to the new USGS gage site.

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

Staff is working on 6 focused fish passage and habitat enhancement projects as described in a memo presented to the Board during the March meeting.

### **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.

**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 end date for the WY2024 spill has not been determined). With the magnitude of the WY2024 spill, all Surcharge Water Accounts were once again full and are 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 1/31/24, 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	0	5,527
<b>Unallocated Project Water</b>		0	-
<b>Total:</b>	9,227	0	9,227
* 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 3/31/24.			
*** 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 continues to work on the WY2023 Annual Monitoring Summary and Annual Monitoring Report, with a draft expected soon.

**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) – No work was performed during this period on the established SOW tasks.

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



# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	April 22, 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 January 2023 to the present (3/1/23 – 4/22/24, Table 1). Labor and expenses as well as water usage for the entire fiscal year (July 2023 - June 2024) 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 2022 Annual Report with the annual inventory and Fiscal Year 2022-23 financials was completed and reviewed by the Lake Cachuma Oak Tree Committee on 9/14/23 and provided to the COMB Board on 9/25/23 that recommended going forward with only maintaining the currently planted oak trees. The COMB Board agreed with that directive.

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

	April 2023 <sup>1</sup>	May 2023 <sup>1</sup>	June 2023 <sup>1</sup>	July 2023	Aug 2023	Sept 2023	Oct 2023	Nov 2023	Dec 2023 <sup>1</sup>	Jan 2024 <sup>1</sup>	Feb 2024 <sup>1</sup>	Mar 2024 <sup>1</sup>	April 2024 <sup>1</sup>
<b>Year 13 Oaks (2021-2022)</b>	Replanting Gopher Baskets	Irrigated Mulched	Irrigation Weeded	Irrigation	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Watered				
	Fert/Comp	Weeded				Repair							
	Deer Cages	Tree tags											
	Mulch/Irrigated	GPS/GIS											
<b>Year 12 Oaks (2020-2021)</b>				Irrigation	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded		Irrigated Watered				
<b>Year 11 Oaks (2019-2020)</b>				Irrigation	Irrigated Weeded	Irrigated	Irrigated Weeded	Irrigated Weeded					
<b>Year 10 Oaks (2018-2019)</b>													
<b>Year 9 Oaks (2016-2017)</b>													
<b>Year 8 Oaks (2015-2016)</b>													
<b>Year 7 Oaks (2014-2015)</b>													
<b>Year 6 Oaks (2005-2011)</b>													
<b>Year 5 Oaks (2009-2010)</b>													
<b>Year 1-4 Oaks (2005-2009)</b>													
<b>Year 1-3 Oaks (2005-2008)</b>													
<b>Year 2 Oaks (2006-2007)</b>													
<b>Year 1 Oaks (2005-2006)</b>													

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

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

**SPECIFIC TASKS**

**Tree Irrigating/Weeding**

Significant storms continued to impact our region in March and April with 5.9 inches and 2.8 inches of rainfall recorded at Bradbury Dam, respectively. Antecedent soil moisture continues to be high so no irrigation is needed until later this spring.

**Tree Planting**

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

**Annual Inventory**

The 2023 Annual Inventory of all year classes is near completion and will be 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 9/14/23 and reviewed the 2022 Lake Cachuma Oak Tree Restoration Program Annual Report with the recommendation to forward to the Board.

**LIST OF EXHIBITS:**

n/a

**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**METERED USE REPORT FOR MARCH 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		164.42	18+62	G. WEST	5.05
Boundary Meter - West		(0.07)	78+00	Corona Del Mar FILTER Plant	677.76
				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>682.81</b>
<b>MONTECITO WATER DISTRICT</b>			<b>MONTECITO WATER DISTRICT</b>		
			260+79	BARKER PASS	32.24
			386+65	MWD YARD	5.68
			487+07	VALLEY CLUB	0.71
			499+65	E. VALLEY-ROMERO PUMP	106.57
			510+95	MWD PUMP (SWD)	2.36
			510+95	ORTEGA CONTROL	2.96
			526+43	ASEGRA RD	0.52
			555+80	CO. YARD	0.00
			583+00	LAMBERT RD	0.38
			599+27	TORO CANYON	3.55
				SWP CREDIT (Warren Act Contract)	0.00
				City of SB / MWD WSA ("Desal")	(117.38)
			<b>TOTAL</b>		<b>37.60</b>
<b>CITY OF SANTA BARBARA</b>			<b>CITY OF SANTA BARBARA</b>		
			CATER	INFLOW	713.27
			Gibraltar	PENSTOCK	(316.21)
			CATER	SO. FLOW	(415.30)
			Sheffield	SHEF.LIFT	78.37
				SWP CREDIT (Warren Act Contract)	0.00
				La Cumbre (SWP) (Warren Act Contract)	0.00
				City of SB / MWD WSA ("Desal")	117.38
			<b>TOTAL</b>		<b>177.52</b>
<b>SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, ID#1</b>			<b>SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, ID#1</b>		
			COUNTY PARK, ETC		1.43
			<b>TOTAL</b>		<b>1.43</b>
<b>BREAKDOWN OF DELIVERIES BY TYPE:</b>			<b>BREAKDOWN OF DELIVERIES BY TYPE:</b>		
			STATE WATER DELIVERED TO LAKE		0.00
			STATE WATER TO SOUTH COAST including from stored		0.00
			<b>METERED DIVERSION</b>		<b>1,063.71</b>
SWP CREDIT (Warren Act Contract) 0.00 <b>TOTAL 164.35</b> Note: Meter reads were taken on: 4/1/2024					

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

**CACHUMA OPERATION AND MAINTENANCE BOARD  
WATER PRODUCTION AND WATER USE REPORT  
FOR THE MONTH OF MARCH 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)	1,059.7	6,919.9
Tecolote Tunnel Infiltration	128.2	605.6
Cachuma Lake (County Park)	1.4	7.5
<b>Subtotal - Water Production</b>	<b>1,189.4</b>	<b>7,533.0</b>
<b>WATER DELIVERIES:</b>		
State Water Diversion	0.0	201.6
Cachuma Diversion	1,063.7	7,258.2
Storage gain/(loss) <sup>(2)</sup>	109.8	49.6
<b>Subtotal - Water Deliveries</b>	<b>1,173.5</b>	<b>7,509.5</b>
<b>Total Water Production</b>	<b>1,189.4</b>	<b>7,533.0</b>
<b>Total Water Deliveries</b>	<b>1,173.5</b>	<b>7,509.5</b>
<b>Difference = Apparent Water Loss</b>	<b>15.8</b>	<b>23.6</b>
% Apparent Water Loss	1.33%	0.31%

**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>23.6</b>
<b>Total AWL Incurred (WYTD)</b>					<b>23.6</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	660.5	177.5	36.8	101.3	1.4	977.6
Agricultural	22.3	0.0	0.8	63.0	N/A	86.1
<b>Subtotal Project Water Use</b>	<b>682.8</b>	<b>177.5</b>	<b>37.6</b>	<b>164.3</b>	<b>1.4</b>	<b>1,063.7</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>682.8</b>	<b>177.5</b>	<b>37.6</b>	<b>164.3</b>	<b>1.4</b>	<b>1,063.7</b>
<b>WATER YEAR-TO-DATE</b>						
Water Usage						
M&I	3,672.8	1,404.4	257.0	644.5	7.5	5,986.1
Agricultural	647.5	0.0	24.0	600.6	N/A	1,272.1
<b>Subtotal Project Water Use</b>	<b>4,320.3</b>	<b>1,404.4</b>	<b>281.0</b>	<b>1,245.1</b>	<b>7.5</b>	<b>7,258.2</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>4,403.3</b>	<b>1,533.2</b>	<b>313.9</b>	<b>1,272.1</b>	<b>44.2</b>	<b>7,566.6</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 MARCH 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>	682.8	177.5	37.6	164.3	1.4	1,063.7
Allocation Available Before Adjustments	8,639.2	8,099.5	2,613.4	2,648.7	2,649.6	24,650.3
<b>Adjustments to Allocation (WYTD)</b>						
State Water Exchange <sup>(5)</sup>	0.0	0.0	0.0	0.0	0.0	0.0
Surplus	682.8	177.5	37.6	164.3	1.4	1,063.7
Transfers/Adjustment - SB/La Cumbre	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - Bishop Ranch	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - Juncal Transfer	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - GWD/SB Overlap	0.0	0.0	0.0	0.0	0.0	0.0
<b>Balance Current Year Allocation</b>	<b>9,322.0</b>	<b>8,277.0</b>	<b>2,651.0</b>	<b>2,813.0</b>	<b>2,651.0</b>	<b>25,714.0</b>
<b>Total Cachuma Project Water Available</b>	<b>9,322.0</b>	<b>8,277.0</b>	<b>2,651.0</b>	<b>2,813.0</b>	<b>2,651.0</b>	<b>25,714.0</b>

**ACCUMULATED DROUGHT WATER CREDIT (ADWC) BALANCE <sup>(9)</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>9,322.0</b>	<b>8,277.0</b>	<b>2,651.0</b>	<b>2,813.0</b>	<b>2,651.0</b>	<b>25,714.0</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 0 AF; City of SB received 0 AF; MWD received 0 AF; and CVWD received 0 AF from ID#1 in March 2024
- (6) Per USBR, surplus water became available to Member Units beginning 2/1/24 and continues through March 2024
- (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) ADWC accrual for WY 2023 and WY 2024 is pending Reclamation determination
- (10) Memo only - State Water Deliveries to Lake Cachuma for March 2024 was 0 AF
- (11) Memo only - MWD has received 1,047.13 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: **MARCH 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>355.8</b>	Feet
Water in Storage	155.73	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>546.5</b>	Feet
Water in Storage	454.71	AF

**ORTEGA RESERVOIR**

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	<b>448.2</b>	Feet
Water in Storage	23.35	AF

**CARPINTERIA RESERVOIR**

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	<b>375.7</b>	Feet
Water in Storage	25.03	AF

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

Change in Storage	503.09	AF
	113.50	AF

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

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

Stage of Reservoir Elevation	<b>752.53</b>	Feet
Water in Storage	<b>191,517</b>	AF
Surface Area	<b>3,109</b>	Acres
Evaporation	<b>713.0</b>	AF
Inflow	<b>37,685.9</b>	AF
Downstream Release WR8918	<b>0.0</b>	AF
Fish Release (Hilton Creek)	<b>435.8</b>	AF
Outlet	<b>12272.0</b>	AF
Spill/Seismic Release	<b>24,799</b>	AF
State Water Project Water	<b>0.0</b>	AF
Change in Storage	<b>-31</b>	AF
Tecolote Diversion	<b>1,030.1</b>	AF

**Rainfall:            Month: 5.90                            Year: 29.85                            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 3/31/2024

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	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
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
3,672.8	647.5	4,320.3	83.0	3,637.5	3,720.5	3,057.8	662.7	660.5 22.3 682.8

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	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	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

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	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION)** 9,322.0

**Footnotes**  
 (1) Schedule and Revisions (February 2024) - Includes Surplus Water (+516.5 AF) and Carryover Water Spilled (-3,310.3 AF)



**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 3/31/2024

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

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
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
<b>1,404.4</b>	<b>-</b>	<b>1,404.4</b>	<b>128.8</b>	<b>1,226.8</b>	<b>1,355.6</b>	<b>1,355.6</b>	<b>-</b>	<b>177.5</b>	<b>-</b>	<b>177.5</b>

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	-	-	-	-

SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation	
		M & I	-----	M & I	-----
Begin Bal	7,932.7	7,932.7	-	8,277.0	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
Surplus, Spill <sup>(1)</sup>	(6,577.1)	(6,577.1)	-	-	-
Surplus (+177.5AF)	-	-	-	177.5	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-

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

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION)** 8,277.0

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

**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 3/31/2024

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

TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED			
Acre-feet			Allocation			Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	Total	
97.7	15.9	113.7	12.4	113.7	126.1	107.8	18.2	-	
66.9	4.7	71.6	8.1	71.6	79.7	73.4	6.3	-	
22.5	1.8	24.3	4.3	24.3	28.6	26.0	2.6	-	
33.0	0.7	33.7	3.8	33.7	37.6	36.1	1.5	-	
-	-	-	4.4	-	4.4	4.3	0.1	-	
36.8	0.8	37.6	-	-	-	-	-	36.8	
-	-	-	-	-	-	-	-	0.8	
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
257.0	24.0	281.0	32.9	243.4	276.3	247.6	28.6	36.8	
								0.8	37.6

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	2,076.1	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	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	1,950.0	1,582.5	367.6	2,244.0	407.0	2,651.0
Nov	1,870.3	1,509.0	361.3	2,244.0	407.0	2,651.0
Dec	1,841.8	1,483.1	358.7	2,244.0	407.0	2,651.0
Jan	1,804.2	1,447.0	357.2	2,244.0	407.0	2,651.0
Feb	-	-	-	2,244.0	407.0	2,651.0
Mar	-	-	-	2,244.0	407.0	2,651.0
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION)** 2,651.0

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

**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 3/31/2024

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr	TOTAL WATER USED		WATER USE CHARGED			WATER USE CHARGED					
			Acre-feet			Evap	Used	Total	Allocation		Allocation		
			M & I	Agr	Total				M & I	Agr	M & I	Agr	Total
			Oct	2,110.2	2,813.0	140.9	181.6	322.5	12.0	322.5	334.4	147.1	187.3
Nov	-	-	130.2	158.7	288.9	6.9	288.9	295.8	133.9	161.8	-	-	-
Dec	-	-	112.0	111.9	224.0	3.1	224.0	227.1	113.8	113.3	-	-	-
Jan	-	-	93.6	51.6	145.2	2.5	145.2	147.7	95.0	52.7	-	-	-
Feb	-	-	66.5	33.7	100.2	2.6	100.2	102.8	67.9	34.9	-	-	-
Mar	-	-	101.3	63.0	164.3	-	-	-	-	-	101.3	63.0	164.3
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	2,110.2	2,813.0	644.5	600.6	1,245.1	27.0	1,080.7	1,107.7	557.7	550.1	101.3	63.0	164.3

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		
		M & I	Agr	M & I	Agr	Total
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)	-	-	-
Surplus (+164.3AF)	-	-	-	101.3	63.0	164.3
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER		BALANCE - CURR YR ALLOC			
	Total	Allocation		Allocation		
		M & I	Agr	M & I	Agr	Total
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	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 2,813.0

Footnotes

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

**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 3/31/2024

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

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation				Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
1.3	-	1.3	13.2	1.3	14.5	8.1	6.4	-	-	-
1.3	-	1.3	9.0	1.3	10.3	5.9	4.4	-	-	-
0.9	-	0.9	4.9	0.9	5.8	3.4	2.4	-	-	-
1.0	-	1.0	4.4	1.0	5.5	3.3	2.2	-	-	-
1.5	-	1.5	5.1	1.5	6.7	4.2	2.5	-	-	-
1.4	-	1.4	-	-	-	-	-	1.4	-	1.4
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
7.5	-	7.5	36.7	6.1	42.8	24.9	17.9	1.4	-	1.4

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

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	-	-	-	-	-	-
Surplus, Spill <sup>(1)</sup>	(2,112.5)	(1,080.7)	(1,031.8)	-	-	-
Surplus (+1.4AF)	-	-	-	1.4	-	1.4
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
County Parks Usage (AF)	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
1.3	2,140.8	1,097.5	1,043.3	935.0	1,716.0	2,651.0
1.3	2,130.4	1,091.6	1,038.9	935.0	1,716.0	2,651.0
0.9	2,124.7	1,088.2	1,036.5	935.0	1,716.0	2,651.0
1.0	2,119.2	1,084.9	1,034.3	935.0	1,716.0	2,651.0
1.5	-	-	-	935.0	1,716.0	2,651.0
1.4	-	-	-	935.0	1,716.0	2,651.0
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION)** 2,651.0

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

**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 3/31/2024

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr	TOTAL WATER USED				CARRYOVER WATER			CURRENT YEAR ALLOCATION				
			Acre-feet				WATER USE CHARGED			WATER USE CHARGED				
			Use %	M & I	Agr	Total	Evap	Div	Total	Allocation		Allocation		
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	20,788.6	25,714.0	0.2	5,986.1	1,272.1	7,258.2	308.4	6,194.5	6,502.9	5,243.6	1,259.3	977.6	86.1	1,063.7

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)	(3,836.5)	-	-	-
Mar	Surplus (+1,063.7AF)	(10,449.2)	(3,836.5)	977.6	86.1	1,063.7
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	County Parks Usage (AF)	Total	Allocation		Allocation		Total
			M & I	Agr	M & I	Agr	
Oct	1.3	19,181.7	14,557.6	4,624.1	19,506.5	6,207.5	25,714.0
Nov	1.3	17,641.2	13,384.0	4,257.2	19,506.5	6,207.5	25,714.0
Dec	0.9	16,266.2	12,268.8	3,997.4	19,506.5	6,207.5	25,714.0
Jan	1.0	15,237.8	11,328.4	3,909.5	19,506.5	6,207.5	25,714.0
Feb	1.5	-	-	-	19,506.5	6,207.5	25,714.0
Mar	1.4	-	-	-	19,506.5	6,207.5	25,714.0
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION)** 25,714.0

**Footnotes**  
 (1) Schedule and Revisions (February 2024) - Includes Surplus Water (+952.2 AF) and Carryover Water Spilled (-15,237.8 AF)



April 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	752.53	191,517														
1	752.10	190,181	(1,336.6)	3,095.0	0.21	54.2	-	-	-	-	29.67	14.01	-	499.00	6,160.00	5,311.92
2	752.01	189,901	(279.8)	3,092.0	-	-	0.170	35.04	-	-	30.82	14.00	-	501.00	3,080.00	3,381.11
3	752.14	190,305	404.1	3,096.3	-	-	0.170	35.09	-	-	30.77	13.98	-	318.00	1,642.00	2,443.93
4	752.36	190,989	683.8	3,103.7	0.02	5.2	0.150	31.04	-	-	25.79	14.02	-	116.00	1,247.00	2,112.52
5	752.64	191,859	870.3	3,113.1	0.57	147.9	0.060	12.45	-	-	25.07	14.04	-	28.00	943.00	1,745.03
6	752.85	192,512	652.8	3,120.1	0.10	26.0	0.130	27.04	-	-	25.65	14.07	-	3.00	947.00	1,643.52
7	753.00	192,978	466.3	3,125.1	-	-	0.130	27.08	-	-	25.93	14.08	-	3.00	950.00	1,486.35
8	753.12	193,355	377.0	3,129.1	-	-	0.170	35.46	-	-	27.13	14.11	-	3.00	952.00	1,408.69
9	753.21	193,638	282.7	3,132.0	-	-	0.150	31.32	-	-	23.63	14.10	-	2.00	953.00	1,306.79
10	753.25	193,764	125.7	3,133.4	-	-	0.210	43.87	-	-	24.20	14.12	-	3.00	954.00	1,164.85
11	753.16	193,481	(282.7)	3,130.4	-	-	0.180	37.56	-	-	26.60	14.13	-	436.00	1,001.00	1,232.56
12	752.72	192,108	(1,373.0)	3,115.8	-	-	0.230	47.77	-	-	26.51	14.08	-	435.00	2,160.00	1,310.37
13	752.22	190,554	(1,554.2)	3,099.0	-	-	0.200	41.32	-	-	27.47	14.04	-	436.00	2,464.00	1,428.63
14	752.15	190,336	(217.6)	3,096.6	1.44	371.6	0.020	4.13	-	-	26.27	14.03	-	184.00	1,932.00	1,571.24
15	752.79	192,326	1,989.4	3,118.1	0.53	137.7	0.120	24.94	-	-	28.13	14.05	-	284.00	1,093.00	3,295.78
16	753.07	193,198	872.7	3,127.4	-	-	0.140	29.19	-	-	27.61	14.11	-	238.00	1,101.00	2,282.58
17	753.21	193,638	439.8	3,132.0	-	-	0.180	37.58	-	-	27.75	14.11	-	241.00	1,104.00	1,864.27
18	753.35	194,078	439.8	3,136.6	-	-	0.190	39.73	-	-	27.56	14.14	-	53.00	1,107.00	1,681.25
<b>Total</b>			<b>2,560.48</b>		<b>2.87</b>	<b>742.52</b>	<b>2.600</b>	<b>540.64</b>	<b>-</b>	<b>-</b>	<b>486.57</b>	<b>253.22</b>	<b>-</b>	<b>3,783.00</b>	<b>29,790.00</b>	<b>36,671.39</b>
<b>Minimum</b>	752.01	189,901	(1,554.19)	3,091.95	-	-	-	-	-	-	23.63	13.98	-	2.00	943.00	1,164.85
<b>Average</b>	752.74	192,178	142.25	3,116.43	0.16	41.25	0.144	30.04	-	-	27.03	14.07	-	210.17	1,655.00	2,037.30
<b>Maximum</b>	753.35	194,078	1,989.36	3,136.63	1.44	371.60	0.230	47.77	-	-	30.82	14.14	-	501.00	6,160.00	5,311.92

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 April pan factor: 80%
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: March 2024**



<b>Cachuma Lake Recreation Area Launch Data – March 2024</b>		
<b>Inspection Data</b>		
Total Vessels Entering Park	418	
Total Vessels Launched	393	
Total Vessels Quarantined	25	
Returning (Tagged) Boats Launched	356	91%
Kayak/Canoe: Inspected, launched	37	9%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
<b>Quarantine Data</b>		
Total Vessels Quarantined	28	
Quarantined 14 days	*	
Quarantined 30 days	28	
<b>Quarantine Cause</b>		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	3	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	28	
<b>Demographic Data</b>		
Quarantined from infected county	3	
Quarantined from SB County	23	
Quarantined from uninfected co	2	

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: 2024.03.17

Artificial Substrate & Surface Survey Date: 2024.03.17, 2024.03.17

Method: 5 Artificial Substrate Stations; 24 meters /78.74 linear feet of line as well as ramp, dock, anchor, etc.

Surveyors: COSB, Parks Division – P. Medel

Lake elevation: Max feet: 753.00, current 752.21; Max acre-feet: 192,978, current: 190,523;

Capacity: 99% At of the end of the survey month.