



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

**Monday, March 25, 2024
1:00 P.M.**

HOW TO OBSERVE THE MEETING

Join by Teleconference or Attend in Person

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

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

Join via Video Conference

<https://us02web.zoom.us/j/86987718785?pwd=MVI3cTh3d2poSkQ3cVowRDVvRU1XQT09>

Passcode: 715882

Join via Teleconference

US +1 669 900 6833 Webinar ID: 869 8771 8785 Passcode: 715882

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

Monday, March 25, 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 February 26, 2024 Regular Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Review of Paid Claims
- 4. VERBAL REPORTS FROM BOARD COMMITTEES**
Receive verbal information regarding the following committee meetings:
 - Fisheries Committee Meeting – March 19, 2024
- 5. PROPOSED COMMENT LETTER TO THE CALIFORNIA FISH AND GAME COMMISSION**
Action: Recommend approval by motion and roll call vote of the Board
- 6. PROPOSED FISH PASSAGE AND HABITAT ENHANCEMENT PROJECTS – FISCAL YEAR 2024-25 OPERATING BUDGET**
Action: Recommend approval by motion and roll call vote of the Board
- 7. GENERAL MANAGER REPORT**
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
 - Administration
 - U.S. Bureau of Reclamation
- 8. ENGINEER'S REPORT**
Receive information from the COMB Engineer, including but not limited to the following:
 - Climate Conditions
 - Lake Elevation Projection
 - Winter Storm Damage Repairs and Reimbursement
 - Infrastructure Improvement Projects Update

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9. OPERATIONS DIVISION REPORT

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

- Lake Cachuma Operations
- Operation and Maintenance Activities

10. FISHERIES DIVISION REPORT

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

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

11. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

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

- Maintenance and Monitoring

12. MONTHLY CACHUMA PROJECT REPORTS

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

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

13. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

14. MEETING SCHEDULE

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

15. COMB ADJOURNMENT

NOTICE TO PUBLIC

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

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

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

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

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

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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, February 26, 2024
1:00 PM**

MINUTES

1. CALL TO ORDER, ROLL CALL

The regular meeting of the Board of Directors was called to order by President Holcombe at 1:01 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

General Counsel Present:

William Carter - Musick, Peeler, Garrett, LLP

Staff Present:

Janet Gingras, General Manager
Edward Lyons, Administrative Manager/CFO
Joel Degner, Engineer/Operations Division Manager
Timothy Robinson, Fisheries Division Manager

Shane King, Ops Supervisor/Chief Distribution Operator

Elijah Papen, Senior Program Analyst

Rosey Bishop, Administrative Assistant II

Dorothy Turner, Administrative Assistant II

Others Present:

Alex Pappas, SYRWCD (Parent District)

Matthew Scrudato, COSB Water Agency

Dakota Corey, City of Santa Barbara

Matt Young, COSB Water Agency

Dana Hoffenberg, City of Santa Barbara

2. PUBLIC COMMENT

There was no public comment.

3. CONSENT AGENDA

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

Ms. Gingras presented the Consent Agenda Minutes and invited Mr. Lyons to comment on the Financial reports. Mr. Lyons reviewed revenues received and provided background for various expenditures of note, including Rain for Rent, the unexpended funds remittances to the COMB Member Agencies and the payment of the water rights fees for Bradbury and Lauro reservoirs.

President Holcombe asked for a motion to approve the Consent Agenda which was provided by Director Hayman, followed by a second from Director Hanson. The motion carried unanimously with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nays:

Absent:

Abstain:

4. VERBAL REPORTS FROM BOARD COMMITTEES

- Administrative Committee Meeting – February 6, 2024
- Operations Committee Meeting – February 15, 2024

President Holcombe advised that items discussed during the Administrative Committee are included in this agenda based on the committee recommendation to move them forward to the Board.

Director Sneddon recapped the Operations Committee meeting and noted that the committee supported moving the agenda item forward to the Board with some minor edits.

5. RESOLUTION NO. 795 – DECLARATION OF LOCAL EMERGENCY – FEBRUARY 2024 WINTER STORMS

Ms. Gingras introduced the resolution, noting that it would facilitate potential FEMA funding for repairs of damages sustained in the recent storms. Mr. Degner presented a series of slides documenting the damages sustained. He discussed the repairs needed or completed, in particular, the washouts at the unimproved areas of the Lauro Bypass Channel and debris basins. He fielded questions and comments from the Board.

Director Hanson moved to approve the declaration of emergency. Director Sneddon seconded the motions which passed unanimously with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nays:

Absent:

Abstain:

6. FINANCIAL REVIEW – 2ND QUARTER FISCAL YEAR 2023-24

Mr. Lyons shared his presentation of the second quarter financial review with the Board. He recapped revenues received during the quarter. He provided explanation for any variances as compared to the budgets for each division and noted that certain offsets to expenditures were included in the calculations. Noting that numbers for quarters one and two were actual results, he provided forecasted estimates of the expected budgetary position for the end of the current fiscal year. Mr. Lyons reviewed the status of the Administrative Division's deliverables and fielded questions from the Board.

7. PROFESSIONAL SERVICES AGREEMENT EXTENSION – BARTLETT, PRINGLE & WOLF, LLP

Ms. Gingras and Mr. Lyons discussed the recommendation that the Board extend the currently expiring contract with COMB's external auditor, Bartlett, Pringle, Wolf, LLP (BPW), advising that capitalization of certain COMB assets is under way but will not be completed until the next audit period. In order to

move that project forward seamlessly, it would be expedient to allow BPW to complete the project. The cost for the additional year is \$25,000.

Director Hayman provided the motion to approve the extension. Director Sneddon seconded the motion which carried unanimously with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nays:

Absent:

Abstain:

8. DIRECTOR COMPENSATION

Ms. Gingras presented Ordinance No. 5 to increase Director compensation as allowed by law. She supported the reasoning behind the proposed increase. President Holcombe commented briefly.

Director Hanson motioned to approve Ordinance No. 5, followed by a second from Director Hayman. The Ordinance was adopted by a unanimous vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nays:

Absent:

Abstain:

9. RESOLUTION NO. 796 – PROPOSED FISCAL YEAR(S) 2025-2029 INFRASTRUCTURE IMPROVEMENT PLAN

Mr. Degner presented the proposed 2025-2029 Infrastructure Improvement Plan (IIP). The Draft IIP was reviewed by both the General Managers, technical staff and the Operations Committee with recommendations incorporated therein. Using his slide show, Mr. Degner detailed what each proposed project entailed and the expected improvements to be realized, as well as the reasoning behind priority of projects. The Board requested some modifications to the resolution.

Director Sneddon motioned to approve the resolution with the modifications to the resolution as directed by the Board. Director Hanson seconded. The motion carried unanimously with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nays:

Absent:

Abstain:

10. GENERAL MANAGER REPORT

- Administration

Ms. Gingras recapped the General Manager report, highlighting the submissions of invoices to the Cachuma Project Member Units for the second period water rates, as well as the estimated Cachuma Project Projected Obligation for fiscal year 2024-25 to the COMB Member Agencies. Ms. Gingras commented on the availability of surplus water and reported staff attendance at an AWWA seminar. Finally, she advised that staff is preparing the update to the Risk and Resilience Assessment and Emergency Response Plan which is due in March 2025.

11. ENGINEER’S REPORT

- Climate Conditions
- Lake Elevation Projection
- Winter Storm Damage
- Infrastructure Improvement Projects

Mr. Degner presented the Engineer’s report. He reported that the last two years taken together are the wettest two years on record. Mr. Degner provided updates on the current projects and ongoing discussions with OEM regarding reimbursement for Winter 2023 storm damages. Finally, he anticipated that the Board will see the Cachuma Lake Water Quality and Sediment Management Study on next month’s agenda. Mr. Degner fielded questions from the Board.

12. OPERATIONS DIVISION REPORT

- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. King noted that much of the Operations activities had been addressed elsewhere. Staff accomplishments included assessment and repair, where possible, of recent storm damages. Normal maintenance activities included meter calibrations.

13. FISHERIES DIVISION REPORT

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

Mr. Robinson presented the Fisheries Division report, noting that target flows are well above minimums, largely due to precipitation and Bradbury releases. He reported that staff will continue stranding surveys and trapping efforts as weather permits. Staff has completed beaver dam and redd surveys. Mr. Robinson also mentioned that repairs to Quiota Creek Crossings 5 and 9 had held up beautifully during the recent storms. Finally, he reported that work continues on the Annual Monitoring Report and Summary.

14. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

- Maintenance and Monitoring

Mr. Robinson reported that staff is performing tree inventory during the rainy season while irrigation is not required.

15. MONTHLY CACHUMA PROJECT REPORTS

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

Ms. Gingras stated that the Cachuma Project reports were routine but noted that water loss was de minimus and carryover water was fully depleted due to the declaration of a spill event.

16. DIRECTORS’ REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

There were no requests from Board members.

18. MEETING SCHEDULE

- **Regular Board Meeting – March 25, 2024 at 1:00 PM**
- **Board Packages available on COMB website www.cachuma-board.org**

19. COMB ADJOURNMENT

There being no further business, the meeting was adjourned at 2:58 PM.

Respectfully submitted,

Janet Gingras, Secretary of the Board

	<i>Approved</i>
√	<i>Unapproved</i>

APPROVED:

Polly Holcombe, President of the Board

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Cachuma Operation & Maintenance Board
Statement of Net Position
As of February 29, 2024
UNAUDITED FINANCIALS

February 29, 2024

ASSETS

Current Assets

Checking/Savings

Trust Funds

1210 · Warren Act Trust Fund

\$ 113,837.54

1220 · Renewal Fund

126,162.26

Total Trust Funds

\$ 239,999.80

1050 · General Fund

416,066.38

1100 · Revolving Fund

365,562.41

Total Checking/Savings

1,021,628.59

Accounts Receivable

1301 · Accounts Receivable

1,570.00

Total Accounts Receivable

1,570.00

Other Current Assets

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

Total Other Current Assets

1,312,918.57

Total Current Assets

2,336,117.16

Fixed Assets

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)

Total Fixed Assets

5,623,068.42

Other Assets

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

Total Other Assets

6,068,845.92

TOTAL ASSETS

\$ 14,028,031.50

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

As of February 29, 2024
UNAUDITED FINANCIALS

February 29, 2024

LIABILITIES & EQUITY

Liabilities

Current Liabilities

Accounts Payable

2200 · Accounts Payable	\$	16,695.13
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Total Accounts Payable		16,695.13
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Other Current Liabilities

2505 · Accrued Wages		35,286.11
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2550 · Vacation/Sick		254,076.70
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2561 · Bradbury Dam SOD Act		228,082.99
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2563 · Lauro Dam SOD Act		34,757.91
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2565 · Accrued Interest SOD Act		34,659.00
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2590 · Deferred Revenue		239,999.80
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Total Other Current Liabilities		826,862.51
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Total Current Liabilities		843,557.64
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Long Term Liabilities

2602 · Long Term SOD Act Liability-Bradbury		3,608,460.07
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2603 · Long Term SOD Act Liability - Lauro		670,778.85
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2604 · OPEB Long Term Liability		3,378,115.00
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2610 · Net Pension Liability (GASB 68)		2,500,359.00
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2611 · Deferred Inflow of Resources (GASB 68)		129,899.00
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2612 · Deferred Inflow of Resources (GASB 75)		1,035,632.00
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Total Long Term Liabilities		11,323,243.92
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Total Liabilities		12,166,801.56
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Net Position

3000 · Opening Balance Net Position		(5,296,580.05)
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3901 · Retained Net Assets		6,247,122.43
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Net Surplus / Deficit		910,687.56
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Total Net Position		1,861,229.94
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TOTAL LIABILITIES & NET POSITION		\$ 14,028,031.50
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Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures (Unaudited)
 Budget vs. Actuals July 2023 - June 2024

	Fisheries				Operations				TOTAL			
	Jul '23 - Feb 24	Budget	\$ Over Budget	% of Budget	Jul '23 - Feb 24	Budget	\$ Over Budget	% of Budget	Jul '23 - Feb 24	Budget	\$ Over Budget	% of Budget
Revenue												
3000 REVENUE												
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%
Total 3000 REVENUE	1,207,455.05	1,533,913.00	-326,457.95	78.72%	3,064,598.72	5,453,875.00	-2,389,276.28	56.19%	4,272,053.77	6,987,788.00	-2,715,734.23	61.14%
Expense												
3100 · LABOR - OPERATIONS	0.00	0.00	0.00	0.0%	675,043.43	1,220,348.00	-545,304.57	55.32%	675,043.43	1,220,348.00	-545,304.57	55.32%
3200 VEH & EQUIPMENT												
3201 · Vehicle/Equip Mtce	0.00				22,759.26	40,000.00	-17,240.74	56.9%	22,759.26	40,000.00	-17,240.74	56.9%
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				290.48	40,000.00	-39,709.52	0.73%	290.48	40,000.00	-39,709.52	0.73%
3204 · Miscellaneous	0.00				598.93	10,000.00	-9,401.07	5.99%	598.93	10,000.00	-9,401.07	5.99%
Total 3200 VEH & EQUIPMENT	0.00				40,787.20	290,000.00	-249,212.80	14.07%	40,787.20	290,000.00	-249,212.80	14.07%
3300 · CONTRACT LABOR												
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				25,209.60	25,000.00	209.60	100.84%	25,209.60	25,000.00	209.60	100.84%
3303 · Reservoirs	0.00				41,690.21	60,000.00	-18,309.79	69.48%	41,690.21	60,000.00	-18,309.79	69.48%
3304 · Engineering, Misc Services	0.00				0.00	40,000.00	-40,000.00	0.0%	0.00	40,000.00	-40,000.00	0.0%
Total 3300 · CONTRACT LABOR	0.00				82,233.99	160,000.00	-77,766.01	51.4%	82,233.99	160,000.00	-77,766.01	51.4%
3400 · MATERIALS & SUPPLIES												
3401 · Conduit, Meter, Valve & Misc	0.00				12,808.30	70,000.00	-57,191.70	18.3%	12,808.30	70,000.00	-57,191.70	18.3%
3402 · Buildings & Roads	0.00				417.61	20,000.00	-19,582.39	2.09%	417.61	20,000.00	-19,582.39	2.09%
3403 · Reservoirs	0.00				2,614.15	10,000.00	-7,385.85	26.14%	2,614.15	10,000.00	-7,385.85	26.14%
Total 3400 · MATERIALS & SUPPLIES	0.00				15,840.06	100,000.00	-84,159.94	15.84%	15,840.06	100,000.00	-84,159.94	15.84%
3500 · OTHER EXPENSES												
3501 · Utilities	0.00				4,476.80	7,000.00	-2,523.20	63.95%	4,476.80	7,000.00	-2,523.20	63.95%
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				7,042.51	15,800.00	-8,757.49	44.57%	7,042.51	15,800.00	-8,757.49	44.57%
3504 · USA & Other Services	0.00				3,967.39	7,250.00	-3,282.61	54.72%	3,967.39	7,250.00	-3,282.61	54.72%
3505 · Miscellaneous	0.00				9,307.36	12,000.00	-2,692.64	77.56%	9,307.36	12,000.00	-2,692.64	77.56%
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%
Total 3500 · OTHER EXPENSES	0.00				53,603.18	75,800.00	-22,196.82	70.72%	53,603.18	75,800.00	-22,196.82	70.72%

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

	Fisheries				Operations				TOTAL			
	Jul '23 - Feb 24	Budget	\$ Over Budget	% of Budget	Jul '23 - Feb 24	Budget	\$ Over Budget	% of Budget	Jul '23 - Feb 24	Budget	\$ Over Budget	% of Budget
4100 · LABOR - FISHERIES	516,863.06	824,382.00	-307,518.94	62.7%	0.00				516,863.06	824,382.00	-307,518.94	62.7%
4200 · VEHICLES & EQUIP - FISHERIES												
4270 · Vehicle/Equip Mtce	13,171.49	30,000.00	-16,828.51	43.91%	0.00				13,171.49	30,000.00	-16,828.51	43.91%
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%
Total 4200 · VEHICLES & EQUIP - FISHERIES	20,518.62	52,500.00	-31,981.38	39.08%	0.00				20,518.62	52,500.00	-31,981.38	39.08%
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%
Total 4220 · CONTRACT LABOR - FISHERIES	4,771.18	14,100.00	-9,328.82	33.84%	0.00				4,771.18	14,100.00	-9,328.82	33.84%
4300 · MATERIALS/SUPPLIES - FISHERIES												
4390 · Miscellaneous	3,411.57	8,000.00	-4,588.43	42.65%	0.00				3,411.57	8,000.00	-4,588.43	42.65%
Total 4300 · MATERIALS/SUPPLIES - FISHERIES	3,411.57	8,000.00	-4,588.43	42.65%	0.00				3,411.57	8,000.00	-4,588.43	42.65%
4500 · OTHER EXPENSES - FISHERIES												
4502 · Uniforms	1,333.55	5,000.00	-3,666.45	26.67%	0.00				1,333.55	5,000.00	-3,666.45	26.67%
4503 · Permits	462.91	5,000.00	-4,537.09	9.26%	0.00				462.91	5,000.00	-4,537.09	9.26%
Total 4500 · OTHER EXPENSES - FISHERIES	1,796.46	10,000.00	-8,203.54	17.97%	0.00				1,796.46	10,000.00	-8,203.54	17.97%
4999 · GENERAL & ADMINISTRATIVE												
5000 · Director Fees	0.00				5,957.25	12,400.00	-6,442.75	48.04%	5,957.25	12,400.00	-6,442.75	48.04%
5001 · Director Mileage	0.00				346.46	600.00	-253.54	57.74%	346.46	600.00	-253.54	57.74%
5100 · Legal	0.00				18,349.80	75,000.00	-56,650.20	24.47%	18,349.80	75,000.00	-56,650.20	24.47%
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				3,288.27	6,000.00	-2,711.73	54.81%	3,288.27	6,000.00	-2,711.73	54.81%
5311 · Office Equip/Leases	0.00				5,429.70	13,440.00	-8,010.30	40.4%	5,429.70	13,440.00	-8,010.30	40.4%
5312 · Misc Admin Expenses	0.00				9,412.93	11,000.00	-1,587.07	85.57%	9,412.93	11,000.00	-1,587.07	85.57%
5313 · Communications	0.00				5,841.71	9,500.00	-3,658.29	61.49%	5,841.71	9,500.00	-3,658.29	61.49%
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				11,391.10	11,700.00	-308.90	97.36%	11,391.10	11,700.00	-308.90	97.36%
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				23,705.14	25,000.00	-1,294.86	94.82%	23,705.14	25,000.00	-1,294.86	94.82%
5325 · Emp Training/Subscriptions	0.00				78.00	2,000.00	-1,922.00	3.9%	78.00	2,000.00	-1,922.00	3.9%
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				1,887.54	3,500.00	-1,612.46	53.93%	1,887.54	3,500.00	-1,612.46	53.93%
Total 4999 · GENERAL & ADMINISTRATIVE	0.00				158,028.11	262,525.00	-104,496.89	60.2%	158,028.11	262,525.00	-104,496.89	60.2%
5299 · ADMIN LABOR	0.00				436,282.85	670,202.00	-233,919.15	65.1%	436,282.85	670,202.00	-233,919.15	65.1%
5400 · GENERAL & ADMIN - FISHERIES												
5407 · Legal - FD	10,550.20	25,000.00	-14,449.80	42.2%	0.00				10,550.20	25,000.00	-14,449.80	42.2%
5410 · Postage / Office Supplies	1,599.75	4,000.00	-2,400.25	39.99%	0.00				1,599.75	4,000.00	-2,400.25	39.99%
5411 · Office Equipment / Leases	2,923.55	8,533.00	-5,609.45	34.26%	0.00				2,923.55	8,533.00	-5,609.45	34.26%
5412 · Misc. Admin Expense	5,253.42	7,500.00	-2,246.58	70.05%	0.00				5,253.42	7,500.00	-2,246.58	70.05%
5413 · Communications	3,145.48	4,455.00	-1,309.52	70.61%	0.00				3,145.48	4,455.00	-1,309.52	70.61%

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

	Fisheries				Operations				TOTAL			
	Jul '23 - Feb 24	Budget	\$ Over Budget	% of Budget	Jul '23 - Feb 24	Budget	\$ Over Budget	% of Budget	Jul '23 - Feb 24	Budget	\$ Over Budget	% of Budget
5414 · Utilities	4,386.54	5,243.00	-856.46	83.67%	0.00				4,386.54	5,243.00	-856.46	83.67%
5415 · Membership Dues	6,863.90	7,200.00	-336.10	95.33%	0.00				6,863.90	7,200.00	-336.10	95.33%
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	12,764.29	15,000.00	-2,235.71	85.1%	0.00				12,764.29	15,000.00	-2,235.71	85.1%
5425 · Employee Education/Subsription	42.00	2,500.00	-2,458.00	1.68%	0.00				42.00	2,500.00	-2,458.00	1.68%
5426 · Director Fees	3,207.75	6,700.00	-3,492.25	47.88%	0.00				3,207.75	6,700.00	-3,492.25	47.88%
5427 · Director Mileage	186.55	300.00	-113.45	62.18%	0.00				186.55	300.00	-113.45	62.18%
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	1,016.37	1,500.00	-483.63	67.76%	0.00				1,016.37	1,500.00	-483.63	67.76%
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%
Total 5400 · GENERAL & ADMIN - FISHERIES	88,026.08	131,181.00	-43,154.92	67.1%	0.00				88,026.08	131,181.00	-43,154.92	67.1%
5499 · ADMIN LABOR-FISHERIES	155,704.67	296,750.00	-141,045.33	52.47%	0.00				155,704.67	296,750.00	-141,045.33	52.47%
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%
6199 · SPECIAL PROJECTS												
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				0.00	35,000.00	-35,000.00	0.0%	0.00	35,000.00	-35,000.00	0.0%
6115 · COMB Blding Improvemnts & Maint	0.00				6,558.04	80,000.00	-73,441.96	8.2%	6,558.04	80,000.00	-73,441.96	8.2%
6125 · 2023 Winter Storm Repairs	0.00				640,592.17	1,175,000.00	-534,407.83	54.52%	640,592.17	1,175,000.00	-534,407.83	54.52%
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%
Total 6199 · SPECIAL PROJECTS	0.00				709,684.35	1,370,000.00	-660,315.65	51.8%	709,684.35	1,370,000.00	-660,315.65	51.8%
6000 · INFRASTRUCTURE IMPROVEMENT PROJ												
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 · SCC Structure Rehabilitation	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 · SCC Lower Reach Lateral Structu	0.00				0.00	550,000.00	-550,000.00	0.0%	0.00	550,000.00	-550,000.00	0.0%
Total 6000 · INFRASTRUCTURE IMPROVEMENT PROJ	0.00				117,929.64	1,300,000.00	-1,182,070.36	9.07%	117,929.64	1,300,000.00	-1,182,070.36	9.07%
6200 · PROGRAM SUPPORT SERVICES												
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%
6225 · 2023 Winter Storm Repairs	215,670.12	0.00	215,670.12	100.0%	0.00				215,670.12	0.00	215,670.12	100.0%
Total 6200 · PROGRAM SUPPORT SERVICES	277,948.16	172,000.00	105,948.16	161.6%	0.00				277,948.16	172,000.00	105,948.16	161.6%
6300 · HABITAT IMPROVEMENT PROJECTS												
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%
Total 6300 · HABITAT IMPROVEMENT PROJECTS	1,771.87	25,000.00	-23,228.13	7.09%	0.00				1,771.87	25,000.00	-23,228.13	7.09%
Total Expense	1,070,811.67	1,533,913.00	-463,101.33	69.81%	2,290,554.54	5,453,875.00	-3,163,320.46	42.0%	3,361,366.21	6,987,788.00	-3,626,421.79	48.1%
Net Surplus / Deficit	136,643.38	0.00	136,643.38	100.0%	774,044.18	0.00	774,044.18	100.0%	910,687.56	0.00	910,687.56	100.0%

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	March 25, 2024
Submitted by:	Janet Gingras

SUBJECT: Investment Report – February 29, 2024

RECOMMENDATION

The Board of Directors receive and file the Cachuma Operation & Maintenance Board Investment Report as of February 29, 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 February 2024, is reported at 4.122%.

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

Table 1			
Unrestricted Reserve Funds			
Local Agency Investment Fund (LAIF)			
	1/31/2024	\$	675,043.55
(+) Deposits/Credits			700,000.00
(-) Checks/Withdrawals			(315,000.00)
Statement Balance	2/29/2024	\$	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	1/31/2024	\$	126,162.26
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	2/29/2024	\$	126,162.26
American Riviera Bank Warren Act Trust Fund			
Previous Balance	1/31/2024	\$	113,837.54
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	2/29/2024	\$	113,837.54

STATEMENT

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



 Secretary

Cachuma Operation & Maintenance Board

**Paid Claims
As of February 29, 2024**

Date	Num	Name	Memo	Amount
1050 - General Fund				
02/06/2024	30861	Association of Ca Water Agencies/JPIA	March 2024 Health Benefits Premium	-37,806.84
02/06/2024	30862	AT&T	Long Distance Service January 2024	-39.41
02/06/2024	30863	Cabela's LLC/Bass Pro LLC	Supplies (Fisheries)	-452.47
02/06/2024	30864	City of Santa-Barbara	Trash & Recycling January 2024	-396.78
02/06/2024	30865	CMRS-FP	Deposit of Funds to Postage Account	-300.00
02/06/2024	30866	Cox Communications Santa Barbara	Business Internet February 2024	-195.44
02/06/2024	30867	E.H. Wachs	Valve Exercisor (Ops)	-10,597.70
02/06/2024	30868	Frontier Communications	Phone Service - Main Office Land Lines	-131.34
02/06/2024	30869	Frontier Communications	Phone Service - North Portal	-67.25
02/06/2024	30870	Harrison Hardware	Supplies (Ops & Fisheries)	-723.65
02/06/2024	30871	Home Depot Credit Services	Supplies (Ops)	-668.68
02/06/2024	30872	Manhole Covers Direct	Custom Manhole Cover (Ops)	-6,500.00
02/06/2024	30873	Marborg Industries	Portable Facilities - Outlying Stations (Ops)	-423.96
02/06/2024	30874	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 01/05, 01/19, 02/02 & W-2 Processing	-654.00
02/06/2024	30875	Southern California Edison	Electricity - Main Office & Outlying Stations	-1,628.34
02/06/2024	30876	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee	-172.75
02/06/2024	30877	WEX Fleet Universal	Fleet Fuel January 2024	-1,858.56
02/06/2024	30878	Zac Gonzalez Landscaping & Tree Care	Landscape Maintenance January 2024	-480.00
02/12/2024	30879	Bartlett, Pringle & Wolf, LLP	Audit Services FY 22-23	-9,098.00
02/12/2024	30880	Coastal Copy, Inc.	Copier Maintenance - Kyocera Taskalpas 3253ci & 6054ci	-176.88
02/12/2024	30881	County of Santa--Barbara	Waste Disposal Fee (Ops)	-177.40
02/12/2024	30882	HDR Engineering, Inc.	FMP Implementation & Tributary Support - Engineering Services	-455.25
02/12/2024	30883	Impulse Advanced Communications	Phone Service - Main Office	-1,036.98
02/12/2024	30884	LoopUp, LLC	Conference Calls January 2024	-26.62
02/12/2024	30885	Measurement Solutions Systems & Services	Quarterly Calibration of Equipment - 10/01/2023-12/31/2023 (Replacement Check)	-2,294.56
02/12/2024	30886	Measurement Solutions Systems & Services	Quarterly Calibration of Equipment - 1/01/2024-3/31/2024	-2,294.56
02/12/2024	30887	O'Reilly Automotive, Inc.	Vehicle Maintenance (Fisheries)	-13.04
02/12/2024	30888	Pacific Coast Jiffy Lube	Vehicle Maintenance (Ops)	-157.30
02/12/2024	30889	Pacific Petroleum California	Portable Facility Rental - Bradbury Dam Stiling Basin De-Watering (Ops)	-769.90
02/12/2024	30890	Rayne of Santa Barbara Inc	February RO Rental	-35.00
02/12/2024	30891	Southern California Edison	Electricity - Main Office & Outlying Stations	-11.95
02/12/2024	30892	Turenchalk Network Services, Inc.	COMB Network Support (Ops & Fisheries)	-4,929.40
02/12/2024	30893	Verizon Wireless	Cellular Service - Wireless Modems, Cell Phones & iPads (Ops)	-652.67
02/12/2024	30894	White Cap, L.P.	Uniforms (Ops)	-394.70
02/20/2024	30895	Aqua-Flo Supply	Supplies (Ops)	-69.70
02/20/2024	30896	Federal Express	Shipping (Ops)	-112.33
02/20/2024	30897	H&E Equipment Services, Inc.	Equipment Rental (Ops)	-174.43
02/20/2024	30898	Musick, Peeler & Garrett LLP	General Counsel November 2023 (Ops & Fisheries)	-2,139.00
02/20/2024	30899	O'Connor Pest Control	Exterminator Services	-175.00
02/20/2024	30900	PG&E	Electricity - Tecolote Tunnel	-24.67
02/20/2024	30901	Santa Barbara Police Department	Annual Alarm Registration Fee	-50.00
02/20/2024	30902	Sparkletts	Operations Safety	-85.39
02/20/2024	30903	The Gas Company	Natural Gas - Main Office	-46.72
02/20/2024	30904	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalpas 3253ci	-123.98
02/28/2024	30905	American Riviera Bank - Card Service	Website, Acrobat, Supplies, Rain Gear, CDFW Permit, Ordinance Publishing	-2,327.88
02/28/2024	30906	Cushman Contracting Corp.	EPFP Pumping System - Pay Req 118	-3,500.00
02/28/2024	30907	Geosyntec Consultants	Lake Cachuma Water Quality & Sediment Study - Professional Services	-9,760.80
02/28/2024	30908	Harrison Hardware	Supplies (Fisheries)	-53.60
02/28/2024	30909	J&C Services	Office Cleaning Service - Weekly	-960.00
02/28/2024	30910	Musick, Peeler & Garrett LLP	General Counsel January 2024 (Ops & Fisheries)	-4,577.00
02/28/2024	30911	PG&E	Electricity - North Portal	-632.28
02/28/2024	30912	Staples Business Credit	Office Supplies (Ops & Fisheries)	-445.10
02/29/2024	30913	VOID	VOID	0.00
Total 1050 - General Fund				<u>-110,879.26</u>
TOTAL				<u>-110,879.26</u>

APPROVALS

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CACHUMA OPERATION & MAINTENANCE BOARD

Fisheries Committee Meeting

Tuesday, March 19, 2024

12:00 PM

AGENDA

Chair: Director Hanson

Member: Director Hayman

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter on the agenda and within the Committee's jurisdiction*)
3. Proposed Draft Comment Letter to the California Fish and Game Commission related to the Status Review Report – Southern California Steelhead (*for information and possible recommendation*)
4. Proposed Fish Passage and Habitat Enhancement Projects – FY 2024-25 (*for information and possible recommendation*)
5. Update on Recent Fisheries Division Activities (*for information*)
 - Field Observations
 - Coordination with Reclamation
6. Adjournment

NOTICE TO THE PUBLIC

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

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

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

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	March 25, 2024
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

SUBJECT: Proposed Comment Letter to the California Fish and Game Commission related to the California Department of Fish and Wildlife Status Review Report – Southern California Steelhead

RECOMMENDATION:

The Board of Directors review a proposed comment letter which provides clarification on scientific data used in the Status Review report (Santa Ynez River only) prepared by the California Department of Fish and Wildlife (Department) and provide direction to staff as appropriate, including authorizing the Board President to sign and send the letter to the California Fish and Game Commission.

SUMMARY:

A status review report on Southern California steelhead (*Oncorhynchus mykiss*) (Status Review) has been prepared by the Department for the California Fish and Game Commission (Commission) pursuant to requirements of the California Endangered Species Act (CESA; Fish & G. Code, § 2050 et seq.). Pursuant to Fish and Game Code Section 2074.6 and the California Code of Regulations, Title 14, Section 670.1, the Department must prepare the Status Review report for submittal to the Commission for a determination on whether the petitioned action to list southern California steelhead as endangered under CESA is warranted.

BACKGROUND:

On June 14, 2021, the Commission received a petition (Petition) from California Trout to list Southern California steelhead (*Oncorhynchus mykiss*) as endangered pursuant to the California Endangered Species Act (CESA; Fish & G. Code, § 2050 et seq.). On June 23, 2021, pursuant to Fish and Game Code Section 2073, the Commission referred the Petition to the Department for evaluation.

In October 2021, the Department provided the Commission with a report, "Evaluation of the Petition from California Trout to List Southern California Steelhead as Endangered under the California Endangered Species Act" (Evaluation). Based upon the information contained in the Petition, the Department concluded that sufficient information existed to indicate that the petitioned action may be warranted and recommended to the Commission that the Petition be accepted and considered. In April 2022, the Commission considered the Petition, the Department's Evaluation and recommendation, comments received, and oral testimony. The Commission found that sufficient information existed to indicate the petitioned action may be warranted and accepted the Petition for consideration. In May, the Commission published its Notice of Findings for southern California steelhead in the California Regulatory Notice Register, designating southern California steelhead as a candidate species (Cal. Reg. Notice Register 2022, No. 19-z, p. 541). In October 2022, the Commission granted the Departments request for a time extension to November 2023 to deliver its Status Review report on the petition to list southern California steelhead as endangered. The Department issued its draft report for peer review in November 2023, and the final status review report in January 2024.

Staff has reviewed the Status Review report prepared by the Department and observed that some of the scientific data analyzed within the report (pertaining to the Santa Ynez River) warrants clarification. These observations and comments are intended to provide further clarification for the record. The Commission will evaluate the Status Review report at their meeting scheduled for April 17th and 18th in San Jose. Comments to be reviewed by the Commissioners must be submitted approximately two weeks in advance.

Staff proposes that the Board review Exhibit No. 2 attached to this memorandum (proposed draft letter), provide comments, and once comments are incorporated and finalized, send the letter to the California Fish and Game Commission.

COMMITTEE STATUS:

The Fisheries Committee reviewed and provided suggested changes on the proposed comment letter and forwards the letter to the Board of Directors with a recommendation for the Board President to sign and send the letter to the California Fish and Game Commission.

LIST OF EXHIBITS:

1. Status Review Report (Due to large file, included is the link to the document)
<https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=219813&inline>
2. Proposed Comment Letter



CACHUMA OPERATION AND MAINTENANCE
BOARD

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Ms. Melissa Miller-Henson
Executive Director
California Fish and Game Commission
P.O. Box 944209
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CESA Analyst
California Fish and Game Commission
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March 26, 2024

Re: Comments on the CDFW Status Review Report (January 2024) for Listing of the Southern California Steelhead Under the California Endangered Species Act

Dear Ms. Miller-Hensen and Ms. Bacon,

The Cachuma Operation and Maintenance Board (COMB) applauds the efforts of the California Department of Fish and Wildlife (CDFW) in compiling this extensive and comprehensive Status Review Report (Report) related to the listing of the Southern California Steelhead (Southern SH/RT) as endangered under the California Endangered Species Act.

The Fisheries Division (FD) staff at COMB has been monitoring Southern SH/RT within the Santa Ynez River watershed since the mid-1990s. Considering the importance of the CDFW Report and our contribution to a portion of its content, we respectfully submit the following comments and recommended changes based on our scientific observations.

COMB's Senior Resources Scientist, Timothy Robinson, PhD, has been managing the FD staff and all related 2000 Biological Opinion requirements and activities for the Cachuma Project and Lower Santa Ynez River system since 2005. Dr. Robinson and our team of Senior Biologists have been deeply involved with data gathering, data analyses and all levels of reporting including those COMB-FD materials which were used in the CDFW Report's analyses. After careful review of the Report, COMB would like to provide the following observations and recommended changes:

- Appendix C (Page 189) provides the base data used in many of the analyses in the Report. For the Ventura River, snorkel survey data were used whereas for the Santa Ynez and Santa Clara rivers, migrant trapping data were used. It is unusual and not recommended to use two separate types of data for the same analysis because migrant trapping data represents a subset of abundance results, where snorkel survey data are more representative of actual abundance.

- The upstream/downstream migrant trapping data for the Lower Santa Ynez River (LSYR, downstream of Bradbury Dam) basin provides a view of the Southern SH/RT abundance which is limited in several ways. First, it only captures movement of fish within the basin and does not represent in any way the total abundance within the basin, which was the objective of the Report's trend analysis and supporting dataset. We recommend using snorkel data that would be more representative of the LSYR basin-wide Southern SH/RT abundance, as was used for the Ventura River over a limited area. Second, the enforcement by the National Marine Fisheries Service (NMFS) of the 2000 Cachuma Project Biological Opinion Incidental Take Statement (ITS) numbers for juveniles and adults started in 2014 and greatly skewed the capture numbers, particularly in 2021 and onward, when the trapping season ended early due to reaching the take limit. This regulatory monitoring limitation for the Santa Ynez River can easily be seen in Appendix C (Page 189) in the presented data from 2014 to 2021 compared to 2001 to 2012. Third, box fyke traps used for monitoring fish migration must be removed during moderate to high flow events to safeguard the fishery, equipment, and staff, resulting in a capture number most likely less than what migrated through that location. Even deployment of a Dual-Frequency Identification Sonar (DIDSON) camera struggles with this limitation. Standardization of the data in the form of catch per unit effort or catch per day would address some of these limitations. These types of metrics are provided in COMB's Annual Monitoring Summaries.

- We highly recommend using snorkel survey data (spring surveys which generally had the highest observations) to represent Southern SH/RT abundance within the LSYR basin and the standing crop of the fishery. By using these data for trend analyses, the result from the beginning of the data record through the prolonged drought period (2001-2016) out to 2021 and beyond exhibit an even stronger recovery from the drought, particularly when adding two more years of data for 2022 and 2023 (Table 1 and Figure 1). Adding a simple linear trendline to the snorkel data results in a flat trajectory through 2021 and a slightly positive sloped line when including 2022 and 2023 data. Our provided analysis indicates that the LSYR basin is sustaining a population and does not follow the same downward trend as other populations within the geographic range of Southern SH/RT. Also, snorkel survey data can underestimate the actual number of fish per habitat. We will be addressing this issue this summer by conducting calibration surveys for our routine snorkel surveys.

Table 1: Migrant trapping and snorkel survey data from 2001 to 2023 for the LSYR basin.

Year	Santa Ynez River	
	Migrant Trapping	Snorkel Surveys (Spring)
2001	266	1595
2002	116	1016
2003	196	647
2004	238	532
2005	117	1719
2006	653	3262
2007	665	1879
2008	561	3407
2009	610	982
2010	367	2373
2011	484	1803
2012	199	3152
2013		1416
2014	137	429
2015	134	141
2016	103	58
2017	5	42
2018	27	29
2019	39	2479
2020	147	1556
2021	205	4064
2022	182	2110
2023	52	2190

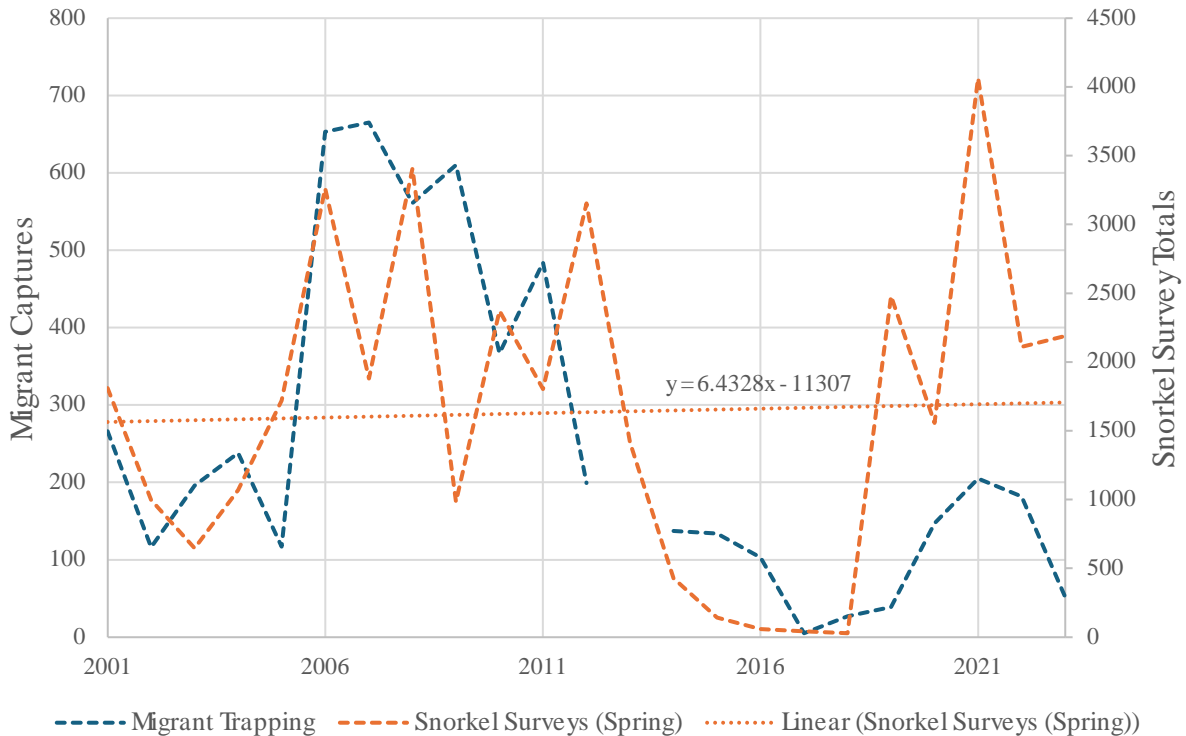


Figure 1: Migrant trapping and snorkel survey data from 2001 to 2023 for the LSYR basin showing a trendline for the snorkel survey data.

- Although no anadromous LSYR fish have been observed during migrant trapping in the LSYR basin since 2011 (partly due to the prolonged drought when the sandbar at the LSYR Lagoon was closed to the ocean), we have documented anadromous redds (identified by size) in 2021 (LSYR mainstem downstream of a beaver dam near the Salsipuedes Creek confluence) and 2023 in El Jaro Creek. Redds were not used in the analyses, but spawner surveys are a means of identifying the presence of anadromous fish and could be used as a surrogate.
- There was no mention of beaver dams possibly inhibiting migration within the LSYR basin. During high flow years, beaver dams are not an issue for fish passage. However, during moderate to low years, they can limit migration considering there can be well over 50 dams (range from 2010 to 2023 is 45 to 132 dams) within the LSYR mainstem of varying sizes to navigate, and often double-digit dams in the tributaries.
- Section 4.3.1.2: Santa Cota Creek, the correct name is Zanja de Cota Creek.
- 4.3.1.2 Page 46: The paragraph discussing recent modification in the operation of Bradbury Dam for increased releases needs to be modified for clarification. The 2000 Biological Opinion contains provisions for dam releases to benefit the downstream fishery both in the LSYR mainstem and Hilton Creek during dry and wet years. The recent Water Rights Order 2019-0148 tiered off those provisions and required higher releases during wet years (determined by inflow to the lake) to benefit the downstream fishery during the year of and year after that determined wet year. The higher releases are referred to as Table 2 flows that have the purpose of supporting migration, spawning, and rearing in the LSYR.

Thank you for considering our comments and suggestions. Please contact our General Manager, Janet Gingras, at 805 / 687-4011 ext. 201 if you have questions or need additional information.

Sincerely,

Polly Holcombe
Board President
Cachuma Operation and Maintenance Board

cc: Brian Hennes, CDFW (Brian.Hennes@wildlife.ca.gov)
Claire Ingel, CDFW (Claire.Ingel@wildlife.ca.gov)
SCSH@wildlife.ca.gov

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	March 25, 2024
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

SUBJECT: Proposed Fish Passage and Habitat Enhancement Projects – Fiscal Year 2024-25 Operating Budget

RECOMMENDATION:

The Board of Directors review the proposed fish passage and habitat enhancement projects contemplated for inclusion in the Fiscal Year 2024-25 operating budget and approve as presented.

BACKGROUND:

Over the past 12 years, southern Santa Barbara County has experienced a wide range of meteorologic and hydrologic conditions, specifically five years of extreme drought (Water Year [WY] 2012 through WY2016), three dry years (WY2018, WY2021 and WY2022), two wet years (WY2017 and WY2019), an average year (WY2020), and two back-to-back very wet years (WY2023 and WY2024). Lake Cachuma spilled in WY2011. It took 12 years for the lake to fill and spill again in WY2023 followed by another spill year in WY2024.

At the beginning of WY2016, the lake reached its lowest level on record at 7.3% of capacity. In WY2023, the lake rose 32 feet in one day and went from 31% to over 100% in short order. These extreme weather and stormflow events suggest climate change and have caused extensive stream channel scour and bank erosion. These unusually large storms over the last two years have rendered several of our fish passage and habitat enhancement projects in need of improvement to maintain fish passage and habitat suitability for the *Oncorhynchus mykiss* population. Climate change needs to be considered in all past and future habitat enhancement projects to build resilience in an ever-changing environment within the Lower Santa Ynez River (LSYR) basin downstream of Lake Cachuma.

SUMMARY:

To address climate change and provide resiliency for the fishery habitat, implementation of elevated design criteria would improve several previously completed fish passage and habitat enhancement projects. The following list of identified projects are presented for consideration:

Quiota Creek:

- **Crossing 4:** Reposition a few downstream rock slope protection (RSP) boulders, rebuild the unraveled upstream RSP, replace the lost upstream root wad with like or larger type and anchor it, and reconfigure the channel at the root wad for improved low and high flow channel function.
- **Crossing 3:** Replace about 30% of the missing upstream RSP on left bank under a large oak tree and repair upstream RSP in the scour pocket to assure no bridge flanking.
- **Crossing 8:** Add anchoring rock on the downstream root wad to prevent flanking, remove deposited sediment in the 2 rock weir pools, install a rock groin at the bedrock outcropping on the upstream edge of the project to deflect the flow and increase bank stabilization, and clean out one of the two settling basins that is filled with sediment.
- **Crossing 1:** Install RSP under the large oak tree at the downstream end of the project to prohibit further bank erosion.

- **Crossing 2:** Remove the aggraded sediment in the downstream rock weir pool and reconfigure some of the upstream rock bands/weirs for channel stabilization and fish passage.

El Jaro Creek:

- **Bank stabilization upstream of the Rancho San Julian entrance bridge:** Add RSP on the western bank upstream of the bridge and clean out the deposited sediment at the entrance to the fish ladder. The concern is that further bank erosion could flank the bridge and constructed fishway and cause a fish passage barrier.

Hilton Creek:

- **Gravel augmentation (project reinitiation):** Hilton Creek is known to be a gravel starved system. Adding gravel to the stream will vastly enhance the spawning potential in the stream. A similar project was done in WY2018 and WY2019 and was highly successful.
- **Fish passage and habitat enhancement:** Two back-to-back large streamflow years have washed out many of the instream structure that provided resting habitats for upstream migrating fish. The migration path upstream from the floodplain and through the canyon to more favorable spawning and rearing habitats can be greatly improved by providing constructed step-pools and instream structure for resting and rearing habitats. This portion of the project is for design development.

Lower Santa Ynez River:

- **Gravel augmentation on Reclamation property:** There is very little spawning gravel within the LSYR mainstem on Reclamation property given the proximity to the dam. Adding gravel will greatly enhance the spawning potential within this reach of the river.

ENVIRONMENTAL COMPLIANCE:

If the project budget is approved by the Board, the necessary permits for the enhancement projects will be obtained during the current fiscal year in preparation for implementation during the fall of 2024.

FISCAL IMPACTS:

The approval of the proposed FY 2024-25 budgeted funds does not constitute approval by the Board to implement the projects. These projects will be submitted to the Board for contract approval per COMB's procurement policy. The proposed projects would be funded through dedicated funds from the annual Renewal Fund / Trust Fund (RF-TF) collection of funds.

Table 1: Proposed Projects and Estimated Costs.

Project Name	FY 2024-25
Quiota Creek Crossing 4 (fix/enhance)	\$ 60,000
Quiota Creek Crossing 3 (fix/enhance)	\$ 65,000
Quiota Creek Crossing 8 (fix/enhance)	\$ 66,000
Quiota Creek Crossing 1 (fix/enhance)	\$ 24,000
Quiota Creek Crossing 2 (fix/enhance)	\$ 30,000
El Jaro Creek Rancho San Julian (fix/enhance)	\$ 53,000
Gravel Augmentation (Hilton Creek and LSYR Mainstem)	\$ 2,000
Hilton Creek Fish Passage and Habitat Enhancements	\$ 5,000
Subtotal:	\$ 305,000
Renewal Fund / Trust Fund Offset	\$ (305,000)
Net Total:	\$ -

COMMITTEE STATUS:

The Fisheries Committee reviewed the proposed fish passage and habitat enhancement projects contemplated for inclusion in the Fiscal Year 2024-25 operating budget and forwards the proposed budget to the Board of Directors for consideration and approval.

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.”

March 25, 2024

General Manager Report

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

Administration

- **Division of Drinking Water Discharge Permit Coverage Change**

COMB applied to change its discharge permit from the limited threat discharge permit issued by the Central Coast Water Board (Regional) to the Statewide National Pollutant Discharge Elimination System (NPDES) General Permit for Drinking Water System discharges based on discussions with the State Water Resources Control Board (SWRCB) Division of Water Quality. COMB received a notice of applicability from the SWRCB on March 8, 2024. The Statewide permit for drinking water discharges better applies to COMB's discharges and will reduce the monitoring parameters required.

- **FEMA Funding**

Staff was notified through our FEMA representative that costs submitted under Category D (Water Control Facilities) were approved for the county-wide debris removal project (FY 2023 storm damage) which removed sediment deposited into the Lauro Debris Basin, the San Roque Road Debris Basin, and into the Carpinteria Toe drain vault to enable restoration of their functionality. Costs for that project totaled \$303,068 with an anticipated reimbursement of \$284,127 (93.75%).

- **Integrated Regional Water Management Program (IRWMP) Funding**

The Department of Water Resources (DWR) provided the Santa Barbara County Water Agency notification that COMB's secured pipeline project is undergoing the IRWMP grant funding closeout process with a completion notice and the issuance of the \$100,000 retention. The release of the grant funding will be forthcoming from the County. COMB will comply with the three-year post-performance reporting requirements as stated in the grant agreement.

U.S. Bureau of Reclamation

- **Spill/Surplus Status**

Reclamation has continued spillway releases through the holding gates at Bradbury Dam and the outlet works as the watershed has continued production of inflow to the Lake. On March 10th, the gates were incrementally closed with transition of releases exclusively to the outlet works. The challenge on recession flows is to target optimum lake storage while carefully managing the remaining inflow to avoid a re-initiation of spillway releases. The lake is at full capacity and surplus water has remained available during this time.

Respectfully submitted,

Janet Gingras

General Manager

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CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: March 25, 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 133% of normal to date as of 3/18/24 for the County of Santa Barbara. Reclamation began precautionary spillway releases on February 1st to prepare for the storms and declared surplus water available starting February 1st which has continued into March 2024. Over 130,000 acre-feet has spilled from the reservoir through 2/20/24 which has resulted in the spill of carryover water from the reservoir. The Cachuma computed inflow to date is 155,583 acre-feet. Reclamation transitioned from the spillway gates to the outlet works valves on March 10th, 2024 allowing the reservoir to reach the top of the spillway gates (754') on 3/19/24. The National Weather Service Climate Prediction Center expects El Niño conditions to transition to neutral by April-June 2024 with increasing odds of La Niña is expected in June-August 2024.

LAKE ELEVATION PROJECTION

The Cachuma Reservoir elevation was 753.99' (101.5%, 195,900 acre-feet) as of March 19th, 2024. Reclamation transitioned off of the spillway gates to the outlet works valves to manage the inflows into the reservoir.

The following assumptions are utilized in the modeling of the lake elevation:

- Hydrologic conditions for WY 2024 similar to 2008 and 2025 similar to WY 2013
- No downstream release in 2024 or 2025
- Member agency imports and exports based on forecasts through 9/30/24
- 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'. 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.

Figure 1. Lake Cachuma Elevation Projection Assuming Dry Conditions (as of March 19th, 2024)

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	0 AF
Fish Releases	100% of Rec Tables	100% of Rec Tables	120% of Rec Tables

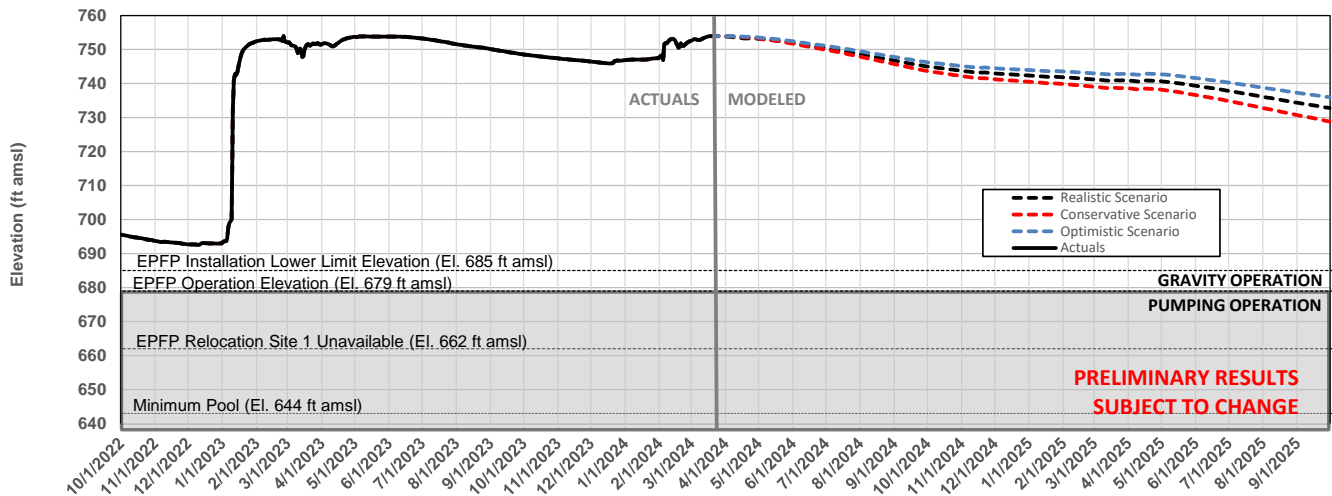


Figure 1. Lake Cachuma Elevation Projection Assuming Dry Conditions (as of March 19th, 2024)

WINTER STORM 2023 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. COMB has one project related to DR-4699 (Lauro Stilling Well Debris Removal) that was pending FEMA approval. FEMA has indicated that DR-4699 project may be denied as it was identified and submitted after the deadline. 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. 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 the difference in budgeted and actual costs and reimbursement for Fiscal Year 2023-24.

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
Total				\$ 721,462	97%	\$ 567,483	\$0	

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 planning and future project planning.

Table 2. Fiscal Year 2023-2024 Infrastructure Improvement Projects

Infrastructure Improvement Projects	Status / Phase	Complexity / Challenges	Estimated Completion Date
Infrastructure Improvement Projects			
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 CWWD 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	CWWD 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 CWWD on this project.	Phase 2 is planned to be initiated in April 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 CWWD and completion of the lateral rehabilitation prior to shutdown.	SCC Structure Rehabilitation is postponed until FY 2024-25, as shutdowns are dependent on CWWD coordination and completion of lateral rehabilitation.
Special Projects			
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.	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 planned to be completed in FY 2023/24. The Phase 2 phosphorous/TOC source study is scheduled for completion in December 2023 upon receiving the final report.
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 and conducted several exploratory calls with potential vendors. 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 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 will 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.

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CACHUMA OPERATION AND MAINTENANCE BOARD

DATE: March 25, 2024
TO: Janet Gingras, General Manager
FROM: Shane King, Operations Supervisor
RE: **MONTHLY REPORT OF OPERATIONS – February 2024**

The total flow from Lake Cachuma into the Tecolote Tunnel for February was 672.28 acre-feet, for an average daily flow of 23.18 acre-feet. Lake elevation was 747.92 feet at the beginning of February and 752.54 feet at the end of February. Lake storage increased by 15,334.15 acre-feet. There was 0.0 acre-feet of inflow from CCWA into Cachuma Project facilities this month. The City of Santa Barbara wheeled 181.13 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized and delivered 399.91 acre-feet of water to Hilton Creek for the month of February.

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 February 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 87 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:

- The fish screens on the Cachuma lake intake tower for slide gates 1 through 4 were pulled, cleaned, and inspected. The slide gates on the intake tower were greased and exercised. Staff also ran and greased the Tecolote tunnel air exchange fan and ran the onsite backup generator.
- COMB staff has continued with performing post storm clean-up activities for the large storms on February 4th and February 19th.
- Operations staff has begun valve exercising at Ortega reservoir and valve pits. Staff has exercised all valves that will not disrupt flow to Montecito Water Districts pump station. There are only a few valves left to exercise that require coordination with MWD.
- Staff repaired slide areas around Lauro's smaller debris basin located in the eastern canyon of Lauro reservoir. During the February storms, the drain lines that empty this basin clogged causing water to overtop the sediment dam causing washouts at the downstream slope of the sediment dam. (see photos)
- Staff cleared a fallen tree that came down at the north wall of the Glen Anne turnout. The tree fell and was leaning on the GATO building. Fortunately, no damage occurred during the event.
- Staff conducted weed abatement around Lauro yard. This work is conducted annually in accordance with COMB's SCC and building/grounds Right-of-way and brush clearing program.
- 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 staff conducted the annual hydraulic ball valve exercising at Glen Anne dam. Once the valve was exercised, all valves and discharge flows were returned to normal operations.
- Staff installed metal mesh netting around windows and openings on the Glen Anne Turnout building due to signs of birds and mice nesting inside the building. Staff sealed off any small openings they could find to deter mice and birds from entering the building.
- Operations division has begun 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 has 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

Annual valve exercising



Annual Structure maintenance



Lauro debris basin slide repair



CACHUMA OPERATION AND MAINTENANCE BOARD
BOARD MEMORANDUM

DATE: March 25, 2024
TO: Janet Gingras, General Manager
FROM: Tim Robinson, Fisheries Division Manager
RE: MONTHLY FISHERIES DIVISION REPORT

HIGHLIGHTS:

- 2000 Biological Opinion target flows have been met by USBR through Lake Cachuma releases:
 - Hilton Creek (minimum of 2 cfs): Hilton Creek Watering System (HCWS) gravity flow to the Upper Release Point (URP) and Lower Release Point (LRP) (approximately 6.8 cfs) plus upper basin flows (> 5 cfs since the early February 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. The lake level reached 754 ft on 3/19/24 and water is now spilling over the dam radial gates.
- 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 large events in early February were sufficient to fill and spill the reservoir starting in the evening on 2/1/24. A second large storm hit the basin on 2/18/24 that increased the spill rate and minor storms in early March have continued the spill.

The minimum target flow of 2 cfs to Hilton Creek was met throughout February with HCWS gravity flow to the URP and a small amount to the LRP (between 6.6 and 6.8 cfs total) and upper basin flows (>5 cfs since the early February storms) for a total of over 12 cfs throughout February 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 March. 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 Highway 154 Bridge is operating as designed and contracted. This is a low flow gage that continually records stage but only records river discharges up to 65 cfs. USBR continues to work with the State Board to modify Term 18 and Term 25 to officially move the target flow compliance point to the new USGS gage site.

Tributary Project Updates:

Upon securing all the required permits and access agreements, the Quiota Creek Fish Passage Enhancement Project at Crossing 5 and Crossing 9 started on 10/16/23 and successfully ended on 11/9/23. Staff continues to work on the next fish passage and habitat enhancement projects tentatively planned for the fall of this year. There is a separate Board memo on this subject.

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.

Accounts*	Allocation	Amount Used**	Amount Remaining
Units:	(acre-feet)	(acre-feet)	(acre-feet)
Fish Passage Supplementation			
WY2023	3,200	0	3,200
Adaptive Management	500	0	500
Fish Rearing***	5,527	0	5,527
Unallocated Project Water		0	-
Total:	9,227	0	9,227
* Originally was 9,200 af, 8,942 af in 2008, 9,184 af in 2013, and 9,227 af in 2021.			
** Values as of 2/29/24.			
*** 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:	March 25, 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 (2/1/23 – 3/25/24, 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 March 2023.

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

¹ Oak tree inventory.

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

SPECIFIC TASKS

Tree Irrigating/Weeding

Heavy precipitation occurred in February with Lake Cachuma receiving 15.99 inches of rain. No tree irrigation will be needed for several months.

Tree Planting

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

Annual Inventory

The 2023 Annual Inventory of all year classes continues 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

WATER YEAR 23-24 CACHUMA PROJECT ALLOCATION
CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF FEBRUARY 2024 AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾

(All in rounded Acre Feet)

CACHUMA PROJECT	MONTH	WYTD
WATER PRODUCTION:		
Cachuma Lake (Tec. Diversion)	672.3	5,860.2
Tecolote Tunnel Infiltration	126.7	477.4
Cachuma Lake (County Park)	1.5	6.1
Subtotal - Water Production	800.5	6,343.7
WATER DELIVERIES:		
State Water Diversion	13.5	211.7
Cachuma Diversion	906.3	6,184.4
Storage gain/(loss) ⁽²⁾	(85.3)	(60.2)
Subtotal - Water Deliveries	834.5	6,336.0
Total Water Production	800.5	6,343.7
Total Water Deliveries	834.5	6,336.0
Difference = Apparent Water Loss	(34.1)	7.7
% Apparent Water Loss	-4.26%	0.12%

SCC APPARENT WATER LOSS ALLOCATION (AWL) ⁽³⁾

	GWD	SB CITY	MWD	CVWD	TOTAL
CURRENT MONTH CHARGE / (ADJUSTMENT)					
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	0.0	0.0	0.0	0.0	0.0
(+) State Water Project	0.0	0.0	0.0	0.0	0.0
Total Current Month	0.0	0.0	0.0	0.0	0.0
WATER YEAR-TO-DATE CHARGE / (ADJUSTMENT)					
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	0.0	0.0	0.0	0.0	0.0
(+) State Water Project	0.0	0.0	0.0	0.0	0.0
Total AWL Charged (WYTD)	0.0	0.0	0.0	0.0	0.0
Total AWL Not Charged (WYTD)					7.7
Total AWL Incurred (WYTD)					7.7

CACHUMA PROJECT WATER CHARGE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
CURRENT MONTH						
Water Usage						
M&I	478.1	295.5	0.0	66.5	1.5	841.6
Agricultural	31.0	0.0	0.0	33.7	N/A	64.7
Subtotal Project Water Use	509.1	295.5	0.0	100.2	1.5	906.3
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss ⁽⁴⁾	7.4	16.3	4.4	2.6	5.1	35.8
Total Project Water Charge	516.5	311.8	4.4	102.8	6.7	942.1
WATER YEAR-TO-DATE						
Water Usage						
M&I	3,012.3	1,216.8	220.2	543.2	6.1	4,998.5
Agricultural	625.2	0.0	23.2	537.6	N/A	1,185.9
Subtotal Project Water Use	3,637.5	1,216.8	243.4	1,080.7	6.1	6,184.4
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss ⁽⁴⁾	83.0	128.8	32.9	27.0	36.7	308.4
Total Project Water Charge (*)	3,720.5	1,345.6	276.3	1,107.7	42.8	6,492.9

(*) 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 FEBRUARY 2024 AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾**

(All in rounded Acre Feet)

CACHUMA PROJECT WATER BALANCE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
Project Water Carryover - 10/1/2023	6,514.3	7,932.7	2,076.1	2,110.2	2,155.3	20,788.6
(-) Project Water Charge (WYTD)	3,720.5	1,345.6	276.3	1,107.7	42.8	6,492.9
Carryover Available Before Adjustments	2,793.8	6,587.1	1,799.8	1,002.5	2,112.5	14,295.7
Adjustments to Carryover (WYTD)						
State Water Exchange ⁽⁵⁾	0.0	0.0	0.0	0.0	0.0	0.0
Surplus ⁽⁶⁾	516.5	311.8	4.4	102.8	6.7	942.1
Carryover Spilled ⁽⁷⁾	(3,310.3)	(6,899.0)	(1,804.2)	(1,105.2)	(2,119.2)	(15,237.8)
Balance Project Water Carryover	0.0	0.0	0.0	0.0	0.0	0.0
Current Year Allocation ⁽⁸⁾	9,322.0	8,277.0	2,651.0	2,813.0	2,651.0	25,714.0
(-) Balance of Project Water Charge (WYTD)	0.0	0.0	0.0	0.0	0.0	0.0
Allocation Available Before Adjustments	9,322.0	8,277.0	2,651.0	2,813.0	2,651.0	25,714.0
Adjustments to Allocation (WYTD)						
State Water Exchange ⁽⁵⁾	0.0	0.0	0.0	0.0	0.0	0.0
Surplus	0.0	0.0	0.0	0.0	0.0	0.0
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
Balance Current Year Allocation	9,322.0	8,277.0	2,651.0	2,813.0	2,651.0	25,714.0
Total Cachuma Project Water Available	9,322.0	8,277.0	2,651.0	2,813.0	2,651.0	25,714.0

ACCUMULATED DROUGHT WATER CREDIT (ADWC) BALANCE ⁽⁹⁾

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
ADWC Balance - 10/1/2023	0.0	0.0	0.0	0.0	0.0	0.0
(-) ADWC Water Charge (WYTD)	0.0	0.0	0.0	0.0	0.0	0.0
Adjustments to ADWC (WYTD)						
ADWC Spilled	0.0	0.0	0.0	0.0	0.0	0.0
Balance ADWC	0.0	0.0	0.0	0.0	0.0	0.0
Total Cachuma Project + ADWC Available	9,322.0	8,277.0	2,651.0	2,813.0	2,651.0	25,714.0

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 February 2024
- (6) Per USBR, surplus water became available to Member Units beginning 2/1/24 and continuing for the remainder of the month
- (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 February 2024 was 0 AF
- (11) Memo only - MWD has received 929.75 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: **FEBRUARY 2024**

GLEN ANNIE RESERVOIR ⁽¹⁾

Capacity at 385' elevation:	335	AF
Capacity at sill of intake at 334' elevation:	21	AF
Stage of Reservoir Elevation	343.5	Feet
Water in Storage	66.07	AF

LAURO RESERVOIR

Capacity at 549' elevation:	503	AF
Capacity at top of intake screen, 520' elevation:	106.05	AF
Stage of Reservoir Elevation	540.3	Feet
Water in Storage	347.15	AF

ORTEGA RESERVOIR

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

CARPINTERIA RESERVOIR

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	374.0	Feet
Water in Storage	21.34	AF

TOTAL STORAGE IN RESERVOIRS ⁽¹⁾

Change in Storage	-87.84	AF
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CACHUMA RESERVOIR ⁽²⁾

Capacity at 750' elevation: ⁽³⁾	183,751	AF
Capacity at sill of tunnel 660' elevation:	23,642	AF
Stage of Reservoir Elevation	752.54	Feet
Water in Storage	191,548	AF
Surface Area	3,110	Acres
Evaporation	397.9	AF
Inflow	125,440.2	AF
Downstream Release WR8918	-	AF
Fish Release (Hilton Creek)	399.9	AF
Outlet	6223.0	AF
Spill/Seismic Release	106,474	AF
State Water Project Water	0.0	AF
Change in Storage	15,334	AF
Tecolote Diversion	672.3	AF

Rainfall: Month: 15.99 Year: 23.95 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 2/29/2024

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

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation				Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
756.2	244.7	1,000.9	36.9	1,000.9	1,037.9	778.1	259.8	-	-	-
642.3	185.0	827.3	21.3	827.3	848.6	654.3	194.3	-	-	-
549.0	136.8	685.8	9.8	685.8	695.6	554.1	141.5	-	-	-
586.8	27.6	614.4	7.6	614.4	622.0	590.4	31.6	-	-	-
478.1	31.0	509.1	7.4	509.1	516.5	480.9	35.5	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,012.3	625.2	3,637.5	83.0	3,637.5	3,720.5	3,057.8	662.7	-	-	-

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	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 ⁽¹⁾	(2,793.8)	-	-	-	-
Mar	-	-	-	-	-	-
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	-	-	-	-	-	-
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 2/29/2024

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

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation				Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	-----	M & I	-----	Total
45.5	-	45.5	48.6	45.5	94.0	94.0	-	-	-	-
273.6	-	273.6	32.4	273.6	306.1	306.1	-	-	-	-
401.1	-	401.1	16.8	401.1	417.9	417.9	-	-	-	-
201.0	-	201.0	14.7	201.0	215.7	215.7	-	-	-	-
295.5	-	295.5	16.3	295.5	311.8	311.8	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,216.8	-	1,216.8	128.8	1,216.8	1,345.6	1,345.6	-	-	-	-

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		Total	Allocation	
		M & I	-----		M & I	-----
Begin Bal	7,932.7	7,932.7	-	8,277.0	-	8,277.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	Surplus, Spill ⁽¹⁾	(6,587.1)	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Total	Allocation	
		M & I	-----		M & I	-----
Oct	7,838.7	7,838.7	-	8,277.0	-	8,277.0
Nov	7,532.6	7,532.6	-	8,277.0	-	8,277.0
Dec	7,114.7	7,114.7	-	8,277.0	-	8,277.0
Jan	6,899.0	6,899.0	-	8,277.0	-	8,277.0
Feb	-	-	-	8,277.0	-	8,277.0
Mar	-	-	-	-	-	-
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 (+311.8 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 2/29/2024

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	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
220.2	23.2	243.4	32.9	243.4	276.3	247.6	28.6	-

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 ⁽¹⁾	(1,799.8)	-	-	-	-
Mar	-	-	-	-	-	-
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	-	-	-	-	-	-
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 2/29/2024

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

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED				
Acre-feet			Evap			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total	
140.9	181.6	322.5	12.0	322.5	334.4	147.1	187.3	-	-	-	
130.2	158.7	288.9	6.9	288.9	295.8	133.9	161.8	-	-	-	
112.0	111.9	224.0	3.1	224.0	227.1	113.8	113.3	-	-	-	
93.6	51.6	145.2	2.5	145.2	147.7	95.0	52.7	-	-	-	
66.5	33.7	100.2	2.6	100.2	102.8	67.9	34.9	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
543.2	537.6	1,080.7	27.0	1,080.7	1,107.7	557.7	550.1	-	-	-	

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	2,110.2	1,103.4	1,006.8	1,406.5	1,406.5	2,813.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	Surplus, Spill ⁽¹⁾	(1,002.5)	-	-	-	-
Mar	-	-	-	-	-	-
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	1,775.8	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	-	-	-	-	-	-
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 2/29/2024

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	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6.1	-	6.1	36.7	6.1	42.8	24.9	17.9	-	-	-

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	2,155.3	1,105.6	1,049.7	935.0	1,716.0	2,651.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	Surplus, Spill ⁽¹⁾	(2,112.5)	-	-	-	-
Mar	-	-	-	-	-	-
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	2,140.8	1,097.5	1,043.3	935.0	1,716.0	2,651.0
Nov	1.3	2,130.4	1,091.6	1,038.9	935.0	1,716.0	2,651.0
Dec	0.9	2,124.7	1,088.2	1,036.5	935.0	1,716.0	2,651.0
Jan	1.0	2,119.2	1,084.9	1,034.3	935.0	1,716.0	2,651.0
Feb	1.5	-	-	-	935.0	1,716.0	2,651.0
Mar	-	-	-	-	-	-	-
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 2/29/2024

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	841.6	64.7	906.3	35.8	906.3	942.1	869.1	73.0	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	20,788.6	25,714.0	0.1	4,998.5	1,185.9	6,184.4	308.4	6,184.4	6,492.9	5,233.6	1,259.3	-	-	-

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		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 ⁽¹⁾	(14,295.7)	-	-	-	-
Mar	-	-	-	-	-	-
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	-	-	-	-	-	-	-
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 (+942.1 AF) and Carryover Water Spilled (-15,237.8 AF)



March 2024

Day ¹	Lake Cachuma				Rainfall		Evaporation ³		CCWA Inflow	Release					Computed Inflow ⁵	
	Elevation	Storage ²	Change in Storage	Surface Area						Park Use	Tunnel	Hilton Creek	WR 89-18	Outlet ⁴		Spillway
SHEF Tag→	HL	LS	LC		PP	PPAF	EV	EVAF	QICCWA		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
29	752.54	191,548														
1	752.65	191,890	341.9	3,113.4	-	-	0.080	15.77	-	-	27.94	13.93	-	7.00	983.00	1,389.57
2	752.86	192,543	652.8	3,120.5	0.69	179.4	0.040	7.91	-	-	27.08	13.94	-	78.00	985.00	1,585.26
3	753.10	193,292	749.3	3,128.4	0.23	60.0	0.080	15.85	-	-	27.18	13.98	-	360.00	1,270.00	2,376.37
4	753.06	193,167	(125.7)	3,127.1	-	-	0.110	21.79	-	-	27.27	13.98	-	429.00	1,892.00	2,258.38
5	752.97	192,885	(281.7)	3,124.1	-	-	0.110	21.76	-	-	27.18	13.97	-	224.00	1,890.00	1,895.17
6	752.86	192,543	(341.9)	3,120.5	-	-	0.120	23.72	-	-	28.04	13.97	-	88.00	1,887.00	1,698.81
7	752.82	192,419	(124.3)	3,119.1	0.41	106.6	0.020	3.95	-	-	27.80	13.97	-	88.00	1,885.00	1,787.82
8	752.75	192,201	(217.6)	3,116.8	0.03	7.8	0.110	21.71	-	-	27.13	13.95	-	267.00	1,492.00	1,596.42
9	752.88	192,605	404.1	3,121.1	-	-	0.100	19.77	-	-	27.85	13.96	-	59.00	811.00	1,335.67
10	753.06	193,167	561.5	3,127.1	-	-	0.080	15.84	-	-	29.44	13.37	-	401.00	29.00	1,050.15
11	753.24	193,732	565.5	3,133.0	-	-	0.100	19.84	-	-	24.34	13.99	-	435.00	-	1,058.65
12	753.39	194,204	471.2	3,137.9	-	-	0.110	21.86	-	-	28.76	14.03	-	436.00	-	971.88
13	753.53	194,643	439.8	3,142.5	-	-	0.130	25.87	-	-	31.25	14.04	-	438.00	-	948.99
14	753.65	195,020	377.0	3,146.5	-	-	0.140	27.90	-	-	34.94	14.09	-	451.00	-	904.92
15	753.76	195,366	345.6	3,150.1	-	-	0.150	29.93	-	-	34.56	14.08	-	449.00	-	873.14
16	753.84	195,617	251.3	3,152.7	-	-	0.240	47.92	-	-	32.78	14.08	-	496.00	-	842.11
17	753.88	195,743	125.7	3,154.0	-	-	0.150	29.96	-	-	34.70	14.15	-	503.00	-	707.48
18	753.93	195,900	157.1	3,155.7	-	-	0.120	23.98	-	-	34.03	14.15	-	503.00	-	732.24
19	753.99	196,088	188.5	3,157.6	-	-	0.170	34.00	-	-	35.13	14.18	-	503.00	-	774.81
20	754.00	196,120	31.4	3,158.0	-	-	0.150	30.00	-	-	40.74	14.17	-	504.00	-	620.33
21	754.03	196,215	95.2	3,158.8	-	-	0.180	36.01	-	-	50.33	14.18	-	504.00	-	699.69
Total			4,666.58		1.36	353.75	2.490	495.35	-	-	658.50	294.16	-	7,223.00	13,124.00	26,107.84
Minimum	752.65	191,890	(341.92)	3,113.41	-	-	0.020	3.95	-	-	24.34	13.37	-	7.00	-	620.33
Average	753.35	194,065	222.22	3,136.43	0.06	16.85	0.119	23.59	-	-	31.36	14.01	-	343.95	624.95	1,243.23
Maximum	754.03	196,215	749.33	3,158.83	0.69	179.43	0.240	47.92	-	-	50.33	14.18	-	504.00	1,892.00	2,376.37

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 March pan factor: 76%
4. Indicated outlet release includes any leakage around gates.
5. Computed inflow is the sum of change in storage, releases, and evaporation minus precip on the reservoir surface and CCWA inflow.



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



Cachuma Lake Recreation Area Launch Data – February 2024		
Inspection Data		
Total Vessels Entering Park	343	
Total Vessels Launched	325	
Total Vessels Quarantined	18	
Returning (Tagged) Boats Launched	291	90%
Kayak/Canoe: Inspected, launched	34	10%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
Quarantine Data		
Total Vessels Quarantined	18	
Quarantined 14 days	*	
Quarantined 30 days	18	
Quarantine Cause		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	8	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	18	
Demographic Data		
Quarantined from infected county	8	
Quarantined from SB County	9	
Quarantined from uninfected co	1	

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

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

* These conditions are no longer being tracked.

EARLY DETECTION MONITORING PROGRAM SUMMARY

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

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

Plankton Tow Inspection Dates: 2024.02.29

Artificial Substrate & Surface Survey Date: 2024.02.29

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

Surveyors: COSB, Park Staff (P. Medel).

Lake elevation: Max feet: 753.00, current 752.54; Max acre-feet: 192,978, current: 191,548;

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