



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

**Monday, June 24, 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/81911090705?pwd=izlXclnbnx1BrJw4oSxM3X6KmPL2fqA.WneRMEuv1D_kT3nj

Passcode: 585900

Join via Teleconference

US +1 669 900 6833 Webinar ID: 819 1109 0705 Passcode: 585900

HOW TO MAKE A PUBLIC COMMENT

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

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

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

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

AMERICANS WITH DISABILITIES ACT

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

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

Monday, June 24, 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 May 20, 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 – June 6, 2024
- 5. FISCAL YEAR 2024-25 ELECTIONS AND APPOINTMENTS OF CACHUMA OPERATION AND MAINTENANCE BOARD**
Action: Elections for President and Vice-President by nomination and roll call vote of the Board:
 - a. Election of President
 - b. Election of Vice-PresidentAction: Appointment by motion and roll call vote of the Board for each appointment:
 - c. Appointment of ACWA/JPIA Representative and Alternate
 - d. Appointment of General Counsel
 - e. Appointment of Secretary of the Board
 - f. Appointment of Treasurer /Auditor-Controller
- 6. FISH PASSAGE AND HABITAT ENHANCEMENT PROJECT – SOLE SOURCE CONSTRUCTION CONTRACT**
Action: Recommend approval by motion and roll call vote of the Board

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7. **RESOLUTION NO. 799 – U. S BUREAU OF RECLAMATION ACTIVITIES AGREEMENT**
Action: Recommend adoption by motion and roll call vote of the Board

8. **GENERAL MANAGER REPORT**
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
 - Administration
 - U.S. Bureau of Reclamation

9. **ENGINEER’S REPORT**
Receive information from the COMB Engineer, including but not limited to, the following:
 - Climate Conditions
 - Winter Storm Damage and Repairs
 - Infrastructure Improvement Projects Update

10. **OPERATIONS DIVISION REPORT**
Receive information regarding the Operations Division, including but not limited to, the following:
 - Lake Cachuma Operations
 - Operation and Maintenance Activities

11. **FISHERIES DIVISION REPORT**
Receive information from the Fisheries Division Manager, including but not limited to, the following:
 - LSYR Steelhead Monitoring Elements
 - Surcharge Water Accounting
 - Reporting/Outreach/Training

12. **PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM**
Receive information on the Oak Tree Program, including but not limited to, the following:
 - Maintenance and Monitoring
 - End of Program Plan

13. **MONTHLY CACHUMA PROJECT REPORTS**
Receive information regarding the Cachuma Project, including but not limited to, the following:
 - a. Cachuma Water Reports
 - b. Cachuma Reservoir Current Conditions
 - c. Lake Cachuma Quagga Survey

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

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

16. **COMB ADJOURNMENT**

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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, May 20, 2024
1:00 PM**

MINUTES

1. CALL TO ORDER, ROLL CALL

Directors Present:

Polly Holcombe, Carpinteria Valley Water District
Lauren Hanson, Goleta Water District
Cori Hayman, Montecito Water District *
Kristen Sneddon, City of Santa Barbara
**Director Hayman arrived shortly after roll call*

General Counsel Present:

William Carter - Musick, Peeler, Garrett, LLP

Staff Present:

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

Others Present:

Dakota Corey, City of Santa Barbara	Matthew Scrudato, County of SB Water Agency
Dana Hoffenberg, City of Santa Barbara	Matt Young, County of SB Water Agency

2. PUBLIC COMMENT

There was no public comment.

3. CONSENT AGENDA

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

Ms. Gingras presented the April Minutes for approval and invited Mr. Lyons to provide his comments on the financial reports. Mr. Lyons reviewed revenues received and directed the Board's attention to the Paid Claims report. He reviewed paid claims of note, including remittances to Flowers & Associates, CMC Rescue, Ford of Downtown LA and the USGS. He fielded questions from the Board.

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

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

4. VERBAL REPORTS FROM BOARD COMMITTEES

- Administrative Committee Meeting – April 25, 2024

President Holcombe summarized the committee meeting discussion and advised that the subject was forwarded to the Board and is undertaken next in this agenda.

5. RESOLUTION NO. 798 – PROPOSED FISCAL YEAR 2024-2025 ANNUAL OPERATING BUDGET

Mr. Lyons presented Resolution No. 798 and shared his PowerPoint presentation. He discussed the purpose of the budget document and COMB's six strategic initiatives. He followed with analysis of proposed COMB managed revenues. Mr. Lyons reviewed, in detail, the proposed expenditures in comparison to the current year budget, including explanation for changes year over year. Mr. Degner and Mr. Robinson discussed the division-specific projects proposed within the budget. Mr. Lyons fielded questions from the Board.

Director Sneddon provided a motion to adopt the budget as presented. Director Hayman seconded the motion which carried unanimously with a vote of six in favor.

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

6. GENERAL MANAGER REPORT

- Administration
- U.S. Bureau of Reclamation
- Personnel

Ms. Gingras presented the General Manager report. She provided updates regarding the upcoming audit process and the status of the division's annual work plans. Ms. Gingras reported that Reclamation remains in surplus water mode and that COMB had received the IRWMP grant funds. She congratulated Mr. Degner and Mr. Lemley on their certification achievements. Finally, Ms. Gingras announced that Reclamation's Rain Emerson had been promoted to Deputy Area Manager.

7. ENGINEER'S REPORT

- Climate Conditions
- New Fleet Acquisitions
- Operations Work Plan Checklist
- Winter Storm Damage Repairs/Reimbursement
- Infrastructure Improvement Projects Update

Mr. Degner reviewed the Engineer's report, noting that Cachuma inflow is trending to equal last year's inflow so surplus water may continue into June. He reported the receipt of FEMA reimbursements and the expectation of more to come. Staff is working on submitting 2024 storm damages to FEMA. Mr. Degner advised that a new Ford F-150 Lighting and John Deere backhoe were now on site, the division's work plan is nearly complete and staff is looking forward to the work on the South Reach.

8. OPERATIONS DIVISION REPORT

- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. King presented the Operations Division report. He reported that staff had successfully exercised various vales, repaired the log boom and continued with weed abatement. Staff had also attended in-person training for traffic control. Mr. King mentioned that COMB had made some needed equipment purchases and noted that staff anticipates the South Reach structure maintenance.

9. FISHERIES DIVISION REPORT

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

Mr. Robinson presented the Fisheries Division report and advised that target flows at the measuring points remain well above the minimum required. He provided updates on Stranding surveys, regular monitoring tasks and migrant trapping status as well as Redd surveys. He noted that staff will begin to plan for the tributary projects. Finally, Mr. Robinson advised that the fish accounts remain full and that the 2023 Annual Monitoring Summary requires one small final touch in order to be complete.

10. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

- Maintenance and Monitoring

Mr. Robinson reported that inventory of the oak trees was finished. Quality Assurance and Quality Control remain to be completed. He advised that staff continues to monitor the status of inundated oak trees for health as the lake levels remain high.

11. MONTHLY CACHUMA PROJECT REPORTS

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

Ms. Gingras presented the Cachuma Project reports commenting that water loss for the month was slightly higher than usual but was in alignment over all for the water year. As well, she stated that surplus water remains available to Member Agencies.

12. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

There were no requests from the directors for future agenda items.

13. [CLOSED SESSION]: ANNUAL PERFORMANCE REVIEW

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

The directors adjourned into closed session at 2:35 PM.

14. [CLOSED SESSION]: CONFERENCE WITH LABOR NEGOTIATORS

- a. [Government Code Section 54957.6(a)]
Agency designated representatives: Board President
Unrepresented Employee: General Manager

15. RECONVENE INTO OPEN SESSION

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

- 13a. Annual Performance Review – General Manager
- 14a. Conference with Labor Negotiators

The Board reconvened into open session at 3:17 PM. There was no reportable action regarding item 13.a.

With respect to item 14.a. the Board President was directed to negotiate and speak with the General Manager regarding the proposed labor agreement. The General Manager was directed to assess future compensation opportunities for staff and report back to the Board.

16. MODIFICATION OF GENERAL MANAGER’S COMPENSATION

For the purpose of the motion, Mr. Carter stated that the Board had proposed a modification to the General Manager compensation, comprised of a market adjustment, COLA adjustment and merit increase.

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

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

17. MEETING SCHEDULE

- Regular Board Meeting – June 24, 2024 at 1:00 PM
- Board Packages available on COMB website www.cachuma-board.org

18. COMB ADJOURNMENT

There being no further business, the meeting was adjourned at 3:20 PM.

Respectfully submitted,

Janet Gingras, Secretary of the Board

	<i>Approved</i>
√	<i>Unapproved</i>

APPROVED:

Polly Holcombe, President of the Board

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

As of May 31, 2024
UNAUDITED FINANCIALS

May 31, 2024

ASSETS

Current Assets

Checking/Savings

Trust Funds

1210 · Warren Act Trust Fund

\$ 86,561.28

1220 · Renewal Fund

126,162.26

Total Trust Funds

\$ 212,723.54

1050 · General Fund

712,555.12

1100 · Revolving Fund

127,674.45

Total Checking/Savings

1,052,953.11

Accounts Receivable

1301 · Accounts Receivable

1,570.00

Total Accounts Receivable

1,570.00

Other Current Assets

1200 · LAIF

1,419,148.49

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

1,694,645.11

Total Current Assets

2,749,168.22

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

\$ 14,441,082.56

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

As of May 31, 2024
UNAUDITED FINANCIALS

May 31, 2024

LIABILITIES & NET POSITION

Liabilities

Current Liabilities

Accounts Payable

2200 · Accounts Payable \$ 60,738.35

Total Accounts Payable 60,738.35

Other Current Liabilities

2505 · Accrued Wages 35,286.11

2550 · Vacation/Sick 254,076.70

2561 · Bradbury Dam SOD Act 228,082.99

2563 · Lauro Dam SOD Act 34,757.91

2565 · Accrued Interest SOD Act 34,659.00

2590 · Deferred Revenue 212,723.54

Total Other Current Liabilities 799,586.25

Total Current Liabilities 860,324.60

Long Term Liabilities

2602 · Long Term SOD Act Liability-Bradbury 3,608,460.07

2603 · Long Term SOD Act Liability - Lauro 670,778.85

2604 · OPEB Long Term Liability 3,378,115.00

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

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

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

Total Long Term Liabilities 11,323,243.92

Total Liabilities 12,183,568.52

Net Position

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

3901 · Retained Net Assets 6,247,122.43

Net Surplus / Deficit 1,306,971.66

Total Net Position 2,257,514.04

TOTAL LIABILITIES & NET POSITION \$ **14,441,082.56**

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

	Fisheries				Operations				TOTAL			
	Jul '23 - May 24	Budget	\$ Over Budget	% of Budget	Jul '23 - May 24	Budget	\$ Over Budget	% of Budget	Jul '23 - May 24	Budget	\$ Over Budget	% of Budget
Revenue												
3000 REVENUE												
3001 · O&M Budget (Qtrly Assessments)	\$ 1,146,672.00	\$ 1,146,671.00	\$ 1.00	100.0%	\$ 3,782,311.00	\$ 3,782,312.00	\$ (1.00)	100.0%	\$ 4,928,983.00	\$ 4,928,983.00	\$ -	100.0%
3005 · Assessments Returned to Member	0.00				-1,000,000.00	0.00	-1,000,000.00	100.0%	-1,000,000.00	0.00	-1,000,000.00	100.0%
3006 · Warren Act	214,354.31	210,786.00	3,568.31	101.69%	0.00				214,354.31	210,786.00	3,568.31	101.69%
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				40,833.52	0.00	40,833.52	100.0%	40,833.52	0.00	40,833.52	100.0%
3014 · Non-Member Agency Revenue	37,117.00	0.00	37,117.00	100.0%	0.00				37,117.00	0.00	37,117.00	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 · CWVD 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				328,377.53	1,101,563.00	-773,185.47	29.81%	328,377.53	1,101,563.00	-773,185.47	29.81%
3048 · IRWMP Grant	0.00				1,000,000.00	0.00	1,000,000.00	100.0%	1,000,000.00	0.00	1,000,000.00	100.0%
Total 3000 REVENUE	\$ 1,630,322.31	\$ 1,533,913.00	\$ 96,409.31	106.29%	\$ 4,168,819.85	\$ 5,453,875.00	\$ (1,285,055.15)	76.44%	\$ 5,799,142.16	\$ 6,987,788.00	\$ (1,188,645.84)	82.99%
Expense												
3100 · LABOR - OPERATIONS	\$ -	\$ -	\$ -	0.0%	\$ 941,480.00	\$ 1,220,348.00	\$ (278,868.00)	77.15%	\$ 941,480.00	\$ 1,220,348.00	\$ (278,868.00)	77.15%
3200 VEH & EQUIPMENT												
3201 · Vehicle/Equip Mtce	0.00				32,355.56	40,000.00	-7,644.44	80.89%	32,355.56	40,000.00	-7,644.44	80.89%
3202 · Fixed Capital	0.00				225,833.79	200,000.00	25,833.79	112.92%	225,833.79	200,000.00	25,833.79	112.92%
3203 · Equipment Rental	0.00				610.43	40,000.00	-39,389.57	1.53%	610.43	40,000.00	-39,389.57	1.53%
3204 · Miscellaneous	0.00				699.73	10,000.00	-9,300.27	7.0%	699.73	10,000.00	-9,300.27	7.0%
Total 3200 VEH & EQUIPMENT	0.00				259,499.51	290,000.00	-30,500.49	89.48%	259,499.51	290,000.00	-30,500.49	89.48%
3300 · CONTRACT LABOR												
3301 · Conduit, Meter, Valve & Misc	0.00				21,606.04	35,000.00	-13,393.96	61.73%	21,606.04	35,000.00	-13,393.96	61.73%
3302 · Buildings & Roads	0.00				35,269.24	25,000.00	10,269.24	141.08%	35,269.24	25,000.00	10,269.24	141.08%
3303 · Reservoirs	0.00				67,352.77	60,000.00	7,352.77	112.26%	67,352.77	60,000.00	7,352.77	112.26%
3304 · Engineering, Misc Services	0.00				5,834.00	40,000.00	-34,166.00	14.59%	5,834.00	40,000.00	-34,166.00	14.59%
Total 3300 · CONTRACT LABOR	0.00				130,062.05	160,000.00	-29,937.95	81.29%	130,062.05	160,000.00	-29,937.95	81.29%
3400 · MATERIALS & SUPPLIES												
3401 · Conduit, Meter, Valve & Misc	0.00				52,847.12	70,000.00	-17,152.88	75.5%	52,847.12	70,000.00	-17,152.88	75.5%
3402 · Buildings & Roads	0.00				2,439.01	20,000.00	-17,560.99	12.2%	2,439.01	20,000.00	-17,560.99	12.2%
3403 · Reservoirs	0.00				5,301.27	10,000.00	-4,698.73	53.01%	5,301.27	10,000.00	-4,698.73	53.01%
Total 3400 · MATERIALS & SUPPLIES	0.00				60,587.40	100,000.00	-39,412.60	60.59%	60,587.40	100,000.00	-39,412.60	60.59%
3500 · OTHER EXPENSES												
3501 · Utilities	0.00				6,402.61	7,000.00	-597.39	91.47%	6,402.61	7,000.00	-597.39	91.47%
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				10,043.69	15,800.00	-5,756.31	63.57%	10,043.69	15,800.00	-5,756.31	63.57%
3504 · USA & Other Services	0.00				5,096.99	7,250.00	-2,153.01	70.3%	5,096.99	7,250.00	-2,153.01	70.3%
3505 · Miscellaneous	0.00				12,648.90	12,000.00	648.90	105.41%	12,648.90	12,000.00	648.90	105.41%
3506 · Training	0.00				7,782.75	3,000.00	4,782.75	259.43%	7,782.75	3,000.00	4,782.75	259.43%
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				70,784.06	75,800.00	-5,015.94	93.38%	70,784.06	75,800.00	-5,015.94	93.38%

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

	Fisheries				Operations				TOTAL			
	Jul '23 - May 24	Budget	\$ Over Budget	% of Budget	Jul '23 - May 24	Budget	\$ Over Budget	% of Budget	Jul '23 - May 24	Budget	\$ Over Budget	% of Budget
4100 · LABOR - FISHERIES	719,503.35	824,382.00	-104,878.65	87.28%	0.00				719,503.35	824,382.00	-104,878.65	87.28%
4200 · VEHICLES & EQUIP - FISHERIES												
4270 · Vehicle/Equip Mtce	28,788.61	30,000.00	-1,211.39	95.96%	0.00				28,788.61	30,000.00	-1,211.39	95.96%
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	769.47	2,500.00	-1,730.53	30.78%	0.00				769.47	2,500.00	-1,730.53	30.78%
Total 4200 · VEHICLES & EQUIP - FISHERIES	36,408.08	52,500.00	-16,091.92	69.35%	0.00				36,408.08	52,500.00	-16,091.92	69.35%
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	4,518.75	11,100.00	-6,581.25	40.71%	0.00				4,518.75	11,100.00	-6,581.25	40.71%
Total 4220 · CONTRACT LABOR - FISHERIES	4,840.18	14,100.00	-9,259.82	34.33%	0.00				4,840.18	14,100.00	-9,259.82	34.33%
4300 · MATERIALS/SUPPLIES - FISHERIES												
4390 · Miscellaneous	6,720.48	8,000.00	-1,279.52	84.01%	0.00				6,720.48	8,000.00	-1,279.52	84.01%
Total 4300 · MATERIALS/SUPPLIES - FISHERIES	6,720.48	8,000.00	-1,279.52	84.01%	0.00				6,720.48	8,000.00	-1,279.52	84.01%
4500 · OTHER EXPENSES - FISHERIES												
4502 · Uniforms	2,818.02	5,000.00	-2,181.98	56.36%	0.00				2,818.02	5,000.00	-2,181.98	56.36%
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	3,280.93	10,000.00	-6,719.07	32.81%	0.00				3,280.93	10,000.00	-6,719.07	32.81%
4999 · GENERAL & ADMINISTRATIVE												
5000 · Director Fees	0.00				8,010.61	12,400.00	-4,389.39	64.6%	8,010.61	12,400.00	-4,389.39	64.6%
5001 · Director Mileage	0.00				463.19	600.00	-136.81	77.2%	463.19	600.00	-136.81	77.2%
5100 · Legal	0.00				26,963.30	75,000.00	-48,036.70	35.95%	26,963.30	75,000.00	-48,036.70	35.95%
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				5,289.53	6,000.00	-710.47	88.16%	5,289.53	6,000.00	-710.47	88.16%
5311 · Office Equip/Leases	0.00				7,542.38	13,440.00	-5,897.62	56.12%	7,542.38	13,440.00	-5,897.62	56.12%
5312 · Misc Admin Expenses	0.00				12,358.58	11,000.00	1,358.58	-112.65%	12,953.26	11,000.00	1,953.26	117.76%
5313 · Communications	0.00				8,013.37	9,500.00	-1,486.63	84.35%	8,013.37	9,500.00	-1,486.63	84.35%
5314 · Utilities	0.00				9,845.50	9,735.00	110.50	101.14%	9,845.50	9,735.00	110.50	101.14%
5315 · Membership Dues	0.00				11,582.85	11,700.00	-117.15	99.0%	11,582.85	11,700.00	-117.15	99.0%
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				29,111.58	25,000.00	4,111.58	116.45%	29,111.58	25,000.00	4,111.58	116.45%
5325 · Emp Training/Subscriptions	0.00				256.81	2,000.00	-1,743.19	12.84%	256.81	2,000.00	-1,743.19	12.84%
5330 · Admin Travel	0.00				178.39	3,500.00	-3,321.61	5.1%	178.39	3,500.00	-3,321.61	5.1%
5331 · Public Information	0.00				2,958.79	3,500.00	-541.21	84.54%	2,958.79	3,500.00	-541.21	84.54%
Total 4999 · GENERAL & ADMINISTRATIVE	0.00				186,590.27	262,525.00	-75,934.73	71.1%	187,184.95	262,525.00	-75,340.05	71.3%
5299 · ADMIN LABOR	0.00				597,346.30	670,202.00	-72,855.70	89.13%	597,346.30	670,202.00	-72,855.70	89.13%
5400 · GENERAL & ADMIN - FISHERIES												
5407 · Legal - FD	13,416.70	25,000.00	-11,583.30	53.67%	0.00				13,416.70	25,000.00	-11,583.30	53.67%
5410 · Postage / Office Supplies	2,638.46	4,000.00	-1,361.54	65.96%	0.00				2,638.46	4,000.00	-1,361.54	65.96%
5411 · Office Equipment / Leases	4,050.17	8,533.00	-4,482.83	47.47%	0.00				4,050.17	8,533.00	-4,482.83	47.47%
5412 · Misc. Admin Expense	7,253.65	7,500.00	-246.35	96.72%	0.00				7,253.65	7,500.00	-246.35	96.72%
5413 · Communications	4,314.84	4,455.00	-140.16	96.85%	0.00				4,314.84	4,455.00	-140.16	96.85%
5414 · Utilities	5,301.42	5,243.00	58.42	101.11%	0.00				5,301.42	5,243.00	58.42	101.11%
5415 · Membership Dues	7,092.15	7,200.00	-107.85	98.5%	0.00				7,092.15	7,200.00	-107.85	98.5%
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%

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

	Fisheries				Operations				TOTAL			
	Jul '23 - May 24	Budget	\$ Over Budget	% of Budget	Jul '23 - May 24	Budget	\$ Over Budget	% of Budget	Jul '23 - May 24	Budget	\$ Over Budget	% of Budget
5418 · Computer Consultant	15,675.45	15,000.00	675.45	104.5%	0.00				15,675.45	15,000.00	675.45	104.5%
5425 · Employee Education/Subscription	1,468.25	2,500.00	-1,031.75	58.73%	0.00				1,468.25	2,500.00	-1,031.75	58.73%
5426 · Director Fees	4,313.38	6,700.00	-2,386.62	64.38%	0.00				4,313.38	6,700.00	-2,386.62	64.38%
5427 · Director Mileage	249.39	300.00	-50.61	83.13%	0.00				249.39	300.00	-50.61	83.13%
5430 · Travel	1,315.58	4,000.00	-2,684.42	32.89%	0.00				1,315.58	4,000.00	-2,684.42	32.89%
5431 · Public Information	1,410.12	1,500.00	-89.88	94.01%	0.00				1,410.12	1,500.00	-89.88	94.01%
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	104,074.78	131,181.00	-27,106.22	79.34%	0.00				104,074.78	131,181.00	-27,106.22	79.34%
5499 · ADMIN LABOR-FISHERIES	225,577.04	296,750.00	-71,172.96	76.02%	0.00				225,577.04	296,750.00	-71,172.96	76.02%
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				10,336.55	10,000.00	336.55	103.37%	10,336.55	10,000.00	336.55	103.37%
6105 · ROW Management Program	0.00				0.00	20,000.00	-20,000.00	0.0%	0.00	20,000.00	-20,000.00	0.0%
6110 · SCADA Improvements & Support	0.00				1,931.25	35,000.00	-33,068.75	5.52%	1,931.25	35,000.00	-33,068.75	5.52%
6115 · COMB Blding Improvemnts & Maint	0.00				8,635.29	80,000.00	-71,364.71	10.79%	8,635.29	80,000.00	-71,364.71	10.79%
6125 · 2023 Winter Storm Repairs	0.00				638,972.57	1,175,000.00	-536,027.43	54.38%	638,972.57	1,175,000.00	-536,027.43	54.38%
6126 · 2024 Winter Storm Repairs	0.00				2,249.00	0.00	2,249.00	100.0%	2,249.00	0.00	2,249.00	100.0%
6138 · Water Quality & Sediiment Mgmt	0.00				58,701.33	50,000.00	8,701.33	117.4%	58,701.33	50,000.00	8,701.33	117.4%
Total 6199 · SPECIAL PROJECTS	0.00				720,825.99	1,370,000.00	-649,174.01	52.62%	720,825.99	1,370,000.00	-649,174.01	52.62%
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 · Lower Reach BlowOff AVAR Valve	0.00				0.00	82,070.00	-82,070.00	0.0%	0.00	82,070.00	-82,070.00	0.0%
6136 · SCC Isolation Valve Evaluation	0.00				0.00	550,000.00	-550,000.00	0.0%	0.00	550,000.00	-550,000.00	0.0%
6137 · Rehab SCC Lateral Structures	0.00				0.00	550,000.00	-550,000.00	0.0%	0.00	550,000.00	-550,000.00	0.0%
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 · BO/FMP Implementation	2,776.59	42,000.00	-39,223.41	6.61%	0.00				2,776.59	42,000.00	-39,223.41	6.61%
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	79,705.00	120,000.00	-40,295.00	66.42%	0.00				79,705.00	120,000.00	-40,295.00	66.42%
Total 6200 · PROGRAM SUPPORT SERVICES	87,502.04	172,000.00	-84,497.96	50.87%	0.00				87,502.04	172,000.00	-84,497.96	50.87%
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%
6304 · Tributary Projects Improvements	215,670.12	0.00	215,670.12	100.0%	0.00				215,670.12	0.00	215,670.12	100.0%
Total 6300 · HABITAT IMPROVEMENT PROJECTS	217,441.99	25,000.00	192,441.99	869.77%	0.00				217,441.99	25,000.00	192,441.99	869.77%
Total Expense	\$ 1,405,943.55	\$ 1,533,913.00	\$ (127,969.45)	91.7%	\$ 3,086,226.95	\$ 5,453,875.00	\$ (2,367,648.05)	56.6%	\$ 4,492,170.50	\$ 6,987,788.00	\$ (2,495,617.50)	64.29%
Net Income	\$ 224,378.76	\$ -	\$ 224,378.76	100.0%	\$ 1,107,342.90	\$ -	\$ 1,082,592.90	100.0%	\$ 1,306,971.66	\$ -	\$ 1,306,971.66	100.0%

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	June 24, 2024
Submitted by:	Janet Gingras

SUBJECT: Investment Report – May 31, 2024

RECOMMENDATION

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

DISCUSSION

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

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

Unrestricted Cash

Unrestricted cash exceeding current operating needs is invested in LAIF to generate interest income. The average effective yield rate, as of May 2024, is reported at 4.33%.

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

Table 1			
Unrestricted Reserve Funds			
Local Agency Investment Fund (LAIF)			
	4/30/2024	\$	725,770.09
(+) Deposits/Credits			1,716,000.00
(-) Checks/Withdrawals			(1,000,000.00)
Statement Balance	5/31/2024	\$	1,441,770.09

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	4/30/2024	\$	126,162.26
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	5/31/2024	\$	126,162.26
American Riviera Bank Warren Act Trust Fund			
Previous Balance	4/30/2024	\$	86,561.28
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	5/31/2024	\$	86,561.28

STATEMENT

The above statement of investment activity for the month of May 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 May 31, 2024

Date	Num	Name	Memo	Amount
1050 - General Fund				
05/01/2024		COMB-Petty Cash	Reimburse Petty Cash April 2024	-145.21
05/06/2024	31048	Aqua-Flo Supply	Supplies (Ops)	-43.31
05/06/2024	31049	Association of Ca Water Agencies/JPIA	June 2024 Health Benefits Premium	-35,761.74
05/06/2024	31050	AT&T	Long Distance Service April 2024	-39.01
05/06/2024	31051	Cabela's LLC/Bass Pro LLC	Personal Protective Equipment (Fisheries)	-282.21
05/06/2024	31052	City of Santa-Barbara	Trash & Recycling April 2024	-381.78
05/06/2024	31053	Coastline Equipment	John Deere Backhoe Loader	-126,108.97
05/06/2024	31054	Cox Communications Santa Barbara	Business Internet May 2024	-195.44
05/06/2024	31055	ECHO Communications	Message Service May 2024	-97.00
05/06/2024	31056	Freeboard Technology, LLC	Water Quality Buoy Support Agrmnt (Semi-annual)	-2,750.00
05/06/2024	31057	Harrison Hardware	Supplies (Fisheries)	-93.84
05/06/2024	31058	Home Depot Credit Services	Supplies (Ops & Fisheries)	-352.25
05/06/2024	31059	Powell Garage	2003 Ford - F150 Routine Service & Brakes	-743.91
05/06/2024	31060	Rayne of Santa Barbara Inc	May RO Rental	-35.00
05/06/2024	31061	Smith MEP	Repair of Lauro Valve and Control Circuit Breakers (Ops)	-3,496.49
05/06/2024	31062	Southern California Edison	Electricity - Main Office & Outlying Stations	-1,113.24
05/06/2024	31063	Turenchalk Network Services, Inc.	Network Support (Ops & Fisheries)	-2,766.60
05/06/2024	31064	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee	-146.50
05/06/2024	31065	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 6054ci	-303.41
05/06/2024	31066	WEX Fleet Universal	Fleet Fuel	-4,779.35
05/06/2024	31067	Zac Gonzalez Landscaping & Tree Care	Landscape Maintenance April 2024	-480.00
05/13/2024	31068	Coastal Copy, Inc.	Copier Maintenance - Kyocera Taskalfas 3253ci & 6054ci	-635.82
05/13/2024	31069	County of Santa--Barbara	Waste Disposal Fee (Ops)	-128.40
05/13/2024	31070	Federal Express	Shipping (Ops)	-204.73
05/13/2024	31071	Frontier Communications	Phone Service - Main Office Land Lines	-131.26
05/13/2024	31072	Hayward Santa Barbara	2023 Ford F-150 Lightning - Toolbox (Ops)	-1,096.86
05/13/2024	31073	Impulse Advanced Communications	Phone Service - Main Office	-844.17
05/13/2024	31074	LoopUp, LLC	Conference Calls April 2024	-26.62
05/13/2024	31075	Milpas Rental	Equipment Rental (Ops)	-97.47
05/13/2024	31076	Sparkletts	Operations Safety	-99.38
05/13/2024	31077	Specialty Tool, LTD	Supplies (Ops)	-5.44
05/13/2024	31078	Verizon Wireless	Cellular Service - Wireless Modems, Cell Phones & iPads (Ops)	-652.54
05/20/2024	31079	County of Santa Barbara	Hazmat Waste Disposal	-498.65
05/20/2024	31080	Cushman Contracting Corp.	EPFP Pumping System - Pay Req 121	-3,500.00
05/20/2024	31081	Department of Industrial Relations	Elevator Inspection Permit Fee (NP)	-225.00
05/20/2024	31082	DMV Renewal	Carson Trailer DMV Registration (Ops & Fish)	-10.00
05/20/2024	31083	HDR Engineering, Inc.	FMP Implementation & Tributary Support - Engineering Services	-543.00
05/20/2024	31084	McMaster-Carr Supply Co.	Materials (Ops)	-140.72
05/20/2024	31085	Musick, Peeler & Garrett LLP	General Counsel April 2024 (Ops & Fisheries)	-3,990.00
05/20/2024	31086	O'Connor Pest Control	Exterminator Services	-187.25
05/20/2024	31087	Otis Elevator Company	North Portal Elevator Evaluation & Repair	-6,527.26
05/20/2024	31088	Spatial Wave	GIS & Mapping - Field Mapplet Software Maintenance Jul-Sep 2024 (Ops)	-925.00
05/20/2024	31089	The Gas Company	Natural Gas - Main Office	-1.53
05/28/2024	31090	A-OK Power Equipment-SB	Supplies (Ops)	-55.44
05/28/2024	31091	American Riviera Bank - Card Service	Reissue Check #31030	-3,522.34
05/28/2024	31092	American Riviera Bank - Card Service	Carport Backhoe, Cable Safety System NP Elevator, Hydrology Course Fee, Supplies (Ops & Fisheries)	-15,883.44
05/28/2024	31093	Carpinteria Valley Water Dist.	Return of IRWMP Grant Proceeds	-122,000.00
05/28/2024	31094	City of Santa Barbara-Finance Dept.	Return of IRWMP Grant Proceeds	-358,800.00
05/28/2024	31095	Core and Main, LP	Air & Gate Valves (Ops)	-14,784.08
05/28/2024	31096	Cori Hayman	Director Meeting Fees May 2024	-218.15
05/28/2024	31097	Goleta Water Distr.	Return of IRWMP Grant Proceeds	-404,200.00
05/28/2024	31098	Harrison Hardware	Supplies (Fisheries)	-141.66
05/28/2024	31099	J&C Services	Office Cleaning Service - Weekly	-960.00
05/28/2024	31100	Kristen Sneddon	Director Meeting Fees May 2024	-210.30
05/28/2024	31101	Larry's Auto Parts	Automotive Supplies (Ops)	-119.34
05/28/2024	31102	Lauren W. Hanson	Director Meeting Fees May 2024	-211.45
05/28/2024	31103	Marborg Industries	Portable Facilities - Outlying Stations	-423.96
05/28/2024	31104	Miner's Ace Hardware	Supplies (Ops)	-169.58
05/28/2024	31105	Montecito Water Dist.	Return of IRWMP Grant Proceeds	-115,000.00
05/28/2024	31106	Nargan Fire & Safety, Inc.	Annual Fire Extinguisher Inspection & Service	-739.71
05/28/2024	31107	PG&E	Electricity - North Portal	-529.54

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

Date	Num	Name	Memo	Amount
05/28/2024	31108	Polly Holcombe	Director Meeting Fees May 2024	-223.70
05/28/2024	31109	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 3253ci	-123.98
05/28/2024		COMB-Petty Cash	Reimburse Petty Cash May 2024	-300.06
Total 1050 · General Fund				<u>-1,239,203.09</u>
TOTAL				<u>-1,239,203.09</u>

APPROVALS

CACHUMA OPERATION & MAINTENANCE BOARD

Fisheries Committee Meeting

Thursday, June 6, 2024

9:30 AM

AGENDA

Chair: Director Hanson
Alternate Member: Director Holcombe

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. U.S. Bureau of Reclamation - Proposed Draft Activities Agreement (*for information and possible recommendation*)
4. Draft Annual Monitoring Summary (*for information*)
5. Fish Passage and Habitat Enhancement Project - Sole Source Construction Contract (*for information and possible recommendation*)
6. Fisheries Division – Scope of Work/Professional Services Agreements for FY 2024-25 (*for information and possible recommendation*)
7. Update on Recent Fisheries Division Activities (*for information and possible recommendation*)
 - Field Observations
 - Coordination with CDFW
 - Coordination with Reclamation
8. 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:	June 24, 2024
Submitted by:	Janet Gingras

SUBJECT: Fiscal Year 2024-25 Elections and Appointments of Cachuma Operation and Maintenance Board

RECOMMENDATION:

The Board shall elect by nomination and roll call vote one of its members to serve as President and one of its members to serve as Vice President. The Board shall make each appointment by a motion and roll call vote of the Board.

SUMMARY:

Each year during this time, the Board of Directors conducts the annual election of new officers and votes on appointed positions to serve the Board for the upcoming fiscal year. The newly elected officers and appointed positions will become effective July 1, 2024, and will remain in effect until June 30, 2025. The list below outlines the officer positions to be elected (a. - b.) and the appointments to be made (c. – f.) at this time, as well as the current holders of each office and the slate of current appointees.

- a. Election of President
Currently Director Holcombe

- b. Election of Vice President
Currently Director Sneddon

- c. Appointment of ACWA/JPIA Representative and Alternate
Currently Director Sneddon and Janet Gingras

- d. Appointment of General Counsel
Currently William Carter - Musick, Peeler & Garrett LLP

- e. Appointment of Secretary of the Board
Currently General Manager, Janet Gingras

- f. Appointment of Treasurer and Auditor-Controller
Currently Administrative Manager/CFO, Edward Lyons

LIST OF EXHIBITS:

N/A

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	June 24, 2024
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

SUBJECT: Fish Passage and Habitat Enhancement Projects – Sole Source Construction Contract

RECOMMENDATION:

The Board of Directors review the proposed construction costs (and sole source justification) for the fish passage and habitat enhancement projects on Quiota and El Jaro Creeks and authorize the General Manager to execute a Professional Services Agreement Construction Contract with Peter Lapidus Construction, Inc. in an amount not-to-exceed \$298,000.00.

SUMMARY:

The unusually large storms over the last two years have rendered several of the previously completed fish passage and habitat enhancement projects on Quiota Creek and El Jaro Creek in need of improvement to maintain fish passage and habitat suitability for the *Oncorhynchus mykiss* population. To address climate change and provide resiliency for the fishery habitat, implementation of elevated design criteria would improve numerous successfully completed COMB fish passage and habitat enhancement projects on both Quiota and El Jaro Creeks.

Peter Lapidus was the original contractor for the Quiota Creek fish passage improvement projects and has the staff, knowledge, equipment, and experience to efficiently construct the enhancement projects. In addition, the regulatory agencies (permits) require the use of a qualified and experienced contractor to perform the construction work and supply materials. Staff received a proposal from Peter Lapidus Construction, Inc. for an amount not-to-exceed \$298,000.00. A sole source justification is attached as Exhibit 1 and is provided for the Boards' consideration. The enhancement projects would be constructed in the fall of this year, prior to the rainy season.

The following list of projects are included in the construction cost proposal:

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.

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.

After a recent site visit in May by HDR fish passage engineers, refinements in the estimated stream work were provided to staff. Quiota Creek (QC) Crossing 2 was removed from the list of projects of concern due to streambed and habitat modifications from WY2024 stormflows that improved the fish passage and rearing habitats upstream and downstream of the crossing. The original estimated funding not utilized for QC Crossing 2 (\$30k) was utilized for the remaining projects to offset refinements in the stream work approach and increased construction cost estimates determined after the recent site visit.

FISCAL IMPACTS:

The proposed projects will be funded through dedicated funds from the annual Renewal Fund - Trust Fund (RF-TF) collection of funds and will not exceed \$298,000.00.

Table 1: Proposed Project Costs.

Project Name	Proposed Costs
Quiota Creek Crossing 4	\$64,000
Quiota Creek Crossing 3	\$66,000
Quiota Creek Crossing 8	\$70,000
Quiota Creek Crossing 1	\$20,000
El Jaro Creek Rancho San Julian	\$78,000
Total:	\$298,000

ENVIRONMENTAL COMPLIANCE:

All permits for the enhancement projects have been or will be obtained prior to construction. Any required environmental surveys will be conducted just prior to construction.

COMMITTEE STATUS:

The Fisheries Committee reviewed the proposed construction costs (and sole source justification) for the fish passage and habitat enhancement projects on Quiota and El Jaro Creeks and forwards to the Board with a recommendation to approve and authorize the General Manager to execute a Professional Services Agreement Construction Contract with Peter Lapidus Construction, Inc. in an amount not-to-exceed \$298,000.00.

LIST OF EXHIBITS:

1. Sole Source Justification

Quiota and El Jaro Creeks Fish Passage Enhancement Project

Non-Competitively Bid (NCB) Contract Justification Corrective Action Plan

To: Cachuma Operation and Maintenance Board

From: Timothy H. Robinson (Fisheries Division Manager, COMB)

Date: June 24, 2024

Contract: Construct the fish passage and habitat enhancement project at the bridge replacement projects on Quiota Creek at Crossings 4, 3, 8, and 1 as well the fish ladder on El Jaro Creek at Rancho San Julian.

Complete responses must be provided for all of the following questions:

A. Factors of Consideration

1. *Why is the submission of a NCB necessary and what are the determining factors that caused the problem?*

Peter Lapidus Construction (PLC) has successfully constructed under contract with COMB nine fish passage enhancement projects along Quiota Creek Crossings 0A, 1, 2, 3, 4, 5, 7, 8, and 9) for the endangered Southern California steelhead (*Oncorhynchus, mykiss*). Each project entailed removing a concrete low flow crossing and replacing it with a fully spanning bottomless arched culvert-bridge and installing instream elements to prevent bridge footing scour, stabilize the stream profile and banks, and create fish habitat. The projects allowed for full juvenile and adult fish passage for the endangered Southern California steelhead (*Oncorhynchus, mykiss*) that inhabit Quiota Creek.

The 2023 and 2024 high stormflows caused damage to some of the instream elements at five of those previously constructed projects within Quiota Creek (Crossings 3, 4, 8, and 1) and El Jaro Creek (fish ladder at Rancho San Julian) that need repair or improvements for stream stabilization and enhancement of fish passage. Each of the five focus projects will take about a week and range from installing additional rock weirs for grade control and fish habitat to rock slope protection fixes for stream bank stabilization.

PLC has the expertise, appropriate equipment, specific hands-on experience, and geographic proximity to successfully complete the project in a timely manner and for a reduced cost. They have also worked closely with the design engineers at HDR Fisheries Design Center that designed and oversaw all fish passage enhancement projects along Quiota Creek and El Jaro Creek. This will further facilitate the proposed project as the engineering oversight will be conducted by the same engineers at HDR (Mike Garello and Shaun Bevan).

Factors determining that conclusion are as follows:

- The National Fish and Wildlife Foundation and California Department of Fish and Wildlife (CDFW), require the use of qualified and experienced contractors and vendors to perform work and supply materials. The basis for that requirement is to ensure project design specifications and construction meets the obligation to prevent environmental degradation and enhance the steelhead fishery.
- PLC has the staff, knowledge, and equipment to efficiently construct the project within the short timeline proposed.
- PLC has the equipment staged in close proximity that will greatly reduce mobilization and demobilization costs.
- COMB staff have a solid working relationship with PLC and will be able to efficiently and effectively collaborate with PLC on the proposed restoration efforts.
- PLC knows all landowners and ranch managers within the vicinity of the proposed focused projects. Since the project is being done on private property, landowner relationships are of particular importance for the efficiency and success of the project for all parties involved.

2. *What are the consequences of not having this NCB approved?*

- Using another contractor would require approval by CDFW.
- The project cost would increase due to lack of experience and local knowledge of a contractor who did not construction each of these five focused projects.
- The project has a very tight timeline and having any inefficiencies will increase the cost of the project.
- More time would be required by another contractor to complete the project.
- Mobilizing and demobilizing equipment would be more expensive.
- Landowner relationships and trust take time to establish, further decreasing the efficiency of the project.

3. *How will your agency ensure adequate planning to prevent submittal of NCB's for goods or services that should have been competitively bid?*

- These are relatively small enhancements to previously and successfully completed projects.
- Beyond these proposed efforts, there is no further work anticipated and no need for other NCBs at these sites.
- The only goods that will come out of these construction services, beyond the elements in these focused projects, will be a report for the funding agency and regulatory agencies.

B. Price Analysis

1. *How was the price offered determined to be fair and reasonable?*

- A quote was requested from PLC which was below the estimated cost of the project budget submitted for funding.

- Other contractors cannot bid this project for less due to not having their equipment in close proximity and the time it would take to get up to speed with the projects.

2. *Describe any cost savings realized or costs avoided by acquiring the goods/services from this supplier.*

- PLC has the expertise to efficiently and effectively construct the project.
- PLC is very familiar with the sites and proposed project objectives.
- PLC has their equipment staged in close proximity.
- Positive working relationships with PLC will require less COMB oversight and less staff time on site.
- Landowners have a solid working relationship with PLC which will facilitate the construction process.

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	June 24, 2024
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

SUBJECT: Resolution No. 799 - U.S. Bureau of Reclamation Activities Agreement
Contract No. 14-06-200-5222RB

RECOMMENDATION:

The Board of Directors review the Activities Agreement between the U.S. Bureau of Reclamation and COMB related to compliance activities pursuant to the National Marine Fisheries Service 2000 Biological Opinion for the Cachuma Project and the State Water Resources Control Board Water Rights Order 2019-0148 – Cachuma Project, California, and adopt Resolution No. 799, authorizing the Board President to execute the agreement.

BACKGROUND:

On behalf of the U. S. Bureau of Reclamation, COMB is responsible for implementation of the 2000 Biological Opinion, Fish Management Plan and any Bureau requested Water Order 2019-0148 compliance activities related to the Cachuma Project on the Santa Ynez River. These activities include ongoing compliance monitoring, scientific studies along the river, monitoring and recording changing conditions, and implementation of fish passage improvements as outlined in the 2000 Biological Opinion. In addition, a consensus based, long-term Fish Management Program was developed which provides protection for steelhead/rainbow trout downstream of Bradbury Dam through a combination of water releases from Bradbury Dam through the Hilton Creek watering system, and the removal or modification of numerous fish passage barriers to steelhead on tributaries to the Lower Santa Ynez River mainstem. By implementing these actions, stakeholders in the Cachuma Project have created significant additional habitat for steelhead within the Santa Ynez River watershed.



SUMMARY:

Reclamation has proposed and provided an agreement to memorialize COMB's Cachuma Project Endangered Species Act (ESA) compliance activities that are carried out in collaboration with, and on behalf of Reclamation pursuant to the 2000 Biological Opinion and the Water Rights Order 2019-0148. The attached Activities Agreement (Contract No. 14-06-200-5222RB) outlines the subject activities and tasks to be carried out by COMB and will be useful in maintaining a mutual understanding of activities which are required or requested, and whenever appropriate, may also be helpful in providing the associated regulatory agencies an appreciation for the magnitude and complexities involved in meeting their respective expectations.

Exhibit A attached to the Activities Agreement provides a list of activities and tasks to be conducted on an annual, routine basis unless otherwise requested more frequently. In addition, the list of activities and tasks may also include special, non-routine activities and tasks specifically requested by Reclamation. Exhibit A may be updated periodically by Reclamation in coordination with COMB without the need to amend the Activities Agreement.

LEGAL CONCURRENCE:

Legal Counsel has reviewed the Activities Agreement, the associated Exhibit A, and Resolution No. 799 for accuracy and completeness.

COMMITTEE STATUS:

On June 6, 2024, the Fisheries Committee reviewed the proposed Activities Agreement between the U.S. Bureau of Reclamation and COMB and forwards the Agreement to the Board of Directors with a recommendation to adopt Resolution No. 799.

LIST OF EXHIBITS:

1. Activities Agreement
2. Exhibit A
3. Resolution No. 799



IN REPLY REFER TO:

United States Department of the Interior

BUREAU OF RECLAMATION
South-Central California Area Office
1243 N Street
Fresno, CA 93721-1813



SCC-440
2.2.1.06

Activities Agreement
Contract No. 14-06-200-5222RB

VIA ELECTRONIC MAIL

Ms. Janet Gingras
General Manager
Cachuma Operation and Maintenance Board
3301 Laurel Canyon Road
Santa Barbara CA 93105-2017
jgingras@cachuma-board.org

Subject: Memorialization of Cachuma Operation and Maintenance Board's (COMB) Endangered Species Act (ESA) Compliance Activities Pursuant to the National Marine Fisheries Service 2000 Biological Opinion for the Cachuma Project (2000 BiOp) and State Water Resources Control Board Order Water Rights 2019-0148 (Order 2019-0148) – Activities Agreement for Contract No. 14-06-200-5222RB – Cachuma Project, California

Dear Ms. Gingras:

In follow-up to our earlier discussions, the Bureau of Reclamation (Reclamation) concurs in memorializing COMB's Cachuma Project ESA compliance activities that are carried out in collaboration with, and on behalf of Reclamation pursuant to the 2000 BiOp¹ and Order 2019-0148² through this Activities Agreement.

This Activities Agreement memorializes our continued collaboration on these activities since the issuance of the 2000 BiOp and will be useful in maintaining our mutual understanding of which particular activities are required and whenever appropriate, may also be helpful in providing the regulating agencies an appreciation for the magnitude and complexities involved in meeting their respective expectations.

The subject activities and tasks to be carried out by COMB are detailed below as follows:

1. Reclamation requests that COMB conduct all monitoring, data collection, and draft data summary in support of Reclamation's required reporting for the 2000 BiOp and Order 2019-0148 for Southern California Steelhead (*Oncorhynchus mykiss*).
2. COMB shall work in collaboration with Reclamation to develop, maintain, and update a list of activities and tasks to be conducted on an annual, routine basis, unless otherwise requested

¹ <https://www.cachuma-board.org/files/73eeead29/2000-09-11+Biological+Opinion.pdf>

² https://www.waterboards.ca.gov/waterrights/water_issues/programs/hearings/cachuma/docs/wro2019_0148_withagreement_final.pdf

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CALIFORNIA*, NEVADA*, OREGON*

* PARTIAL

more frequently, and shall expediently accomplish all required activities and tasks in satisfaction of Reclamation's stated deadlines. In addition, the list of activities and tasks may also include other special, non-routine activities and tasks specifically requested by Reclamation. The list of both annual, routine, and special non-routine activities and tasks is attached as Exhibit A to this Activities Agreement and may be updated by Reclamation in coordination with COMB, without the need of any amendment to the Activities Agreement. The monitoring and reporting activities and tasks listed on Exhibit A may include other Cachuma Project-related fisheries activities (i.e., monitoring, rescues, etc.), as approved by Reclamation, in collaboration with National Marine Fisheries Service (NMFS).

3. Annual, routine monitoring activities and tasks that do not result in take or potential take of listed species included on Exhibit A do not require written approval from Reclamation prior to COMB performing any of those particular activities or tasks. However, COMB shall obtain written approval from Reclamation prior to performing any tasks or activities, including but not limited to special, non-routine activities, that may result in take of listed species.
4. All deliverables and data collected by COMB in support of the 2000 BiOp and Order 2019-0148 shall be provided to Reclamation for review and approval prior to posting or sharing with any other parties.
5. Reclamation and COMB shall jointly develop a master spreadsheet used to support the reporting requirement(s) in the 2000 BiOp and Order 2019-0148. Data for the master spreadsheet will be updated by COMB and provided to Reclamation annually prior to Reclamation's stated deadlines. Copies of all supporting documentation for the master spreadsheet, including but not limited to field data sheets and data summaries, shall be provided by COMB to Reclamation at the time that the updated annual master spreadsheet(s) are provided.
6. All required monitoring activities and tasks, supporting data summaries and associated reporting listed on Exhibit A, shall be completed by COMB, in collaboration with Reclamation, prior to Reclamation stated deadlines as identified in Exhibit A. The reporting content submitted by COMB will comply with Reclamation's preferred reporting methods and criteria. If unforeseen circumstances preclude COMB from completing the reporting in a timely manner, COMB will seek approval from Reclamation to extend the completion period within three (3) weeks prior to the deadline.
7. Any decisions made by COMB which deviate from operations approved in the 2000 BiOp or the WRO 2019-0148, which could reasonably be expected to affect Southern California Steelhead, must be approved by Reclamation and NMFS before being implemented.
8. In the event a new Cachuma Project biological opinion is issued by NMFS to Reclamation and/or revisions/additions are made to applicable guidance documents, the monitoring and reporting tasks included in Exhibit A shall be reviewed and updated, as necessary, by Reclamation in collaboration with COMB prior to implementation.
9. COMB shall not levy any charges to the United States for their services under this Activities Agreement.

- 10. The expenditure or advance of any money or the performance of any obligation of the United States under this Activities Agreement shall be contingent upon appropriation or allotment of funds in accordance with 31 U.S.C. 1341. No liability shall accrue to the United States for failure to perform any obligation under this Activities Agreement in the event that funds are not appropriated or allotted.

If this Activities Agreement is acceptable to COMB, please have an authorized representative sign, date, and return an original to the heading address, Attention SCC-440 (Rain Emerson), along with a certified original resolution authorizing your concurrence.

If you need additional information or have any questions regarding this Activities Agreement, please contact Rain L. Emerson, Contracts Administration Branch Chief at (559) 262-0350, by electronic mail at remerson@usbr.gov or the hearing impaired at TTY (800) 877-8339.

Sincerely,
MICHAEL JACKSON Digitally signed by
 MICHAEL JACKSON
 Date: 2024.06.17
 15:44:58 -07'00'
 Michael P. Jackson, P.E.
 Area Manager

Enclosure
 Exhibit A

COMB, through the undersigned, concurs with the foregoing Activities Agreement:

CACHUMA OPERATION AND MAINTENANCE BOARD

 Authorizing Official Signature

 Date

 Authorizing Official Name (Print)

 Authorizing Official Title (Print)

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EXHIBIT A
LIST OF ACTIVITIES
for the
Approval Agreement between USBR and COMB for Fisheries Activities

Annual Monitoring Data Summary (WRO 2019-0148 Term 27)

- Data collection conducted from October 1 to September 30
- Annual Data Summary Reporting submitted to Reclamation by October 30

Annual Monitoring Data Collection (2000 BiOp)

- Migrant Trapping (2000 BiOp Reasonable and Prudent Measure (RPM) 11)
- Tissue/Scale Sample Collection (2000 BiOp RPM 11 Term 2)
- Snorkel and Bank Surveys (Watershed Monitoring Program 2000 BiOp pg 14 and RPM 11 Term 2)
- Redd Surveys (Watershed Monitoring Program 2000 BiOp pg 14)
- Monitor Fish Movement during Passage Supplementation (see Migration Support 2000 BiOp pp 7, 8)
- Water Quality Monitoring (Watershed Monitoring Program 2000 BiOp pg 14)
 - LSYR mainstem
 - Tributaries
 - Lake Cachuma
- Stream Discharge Monitoring (Watershed Monitoring Program 2000 BiOp pg 14)
 - USGS real-time monitoring
 - COMB spot measurements and gauging
- Habitat Mapping (Photo Point Documentation) – submitted as part of annual report
- LSYR Lagoon Berm Monitoring (Watershed Monitoring Program 2000 BiOp pg 14)
- Beaver Dam Surveys, adaptive management (2000 BiOp RPM 3 Term 1)
- Fish Passage Supplementation – monitoring trigger conditions (2000 BiOp RPM 3 and NMFS 10/11/2005 Fish Passage Supplementation Program approval)

Ramp-Down Surveys (2000 BiOp RPM 7)

- Monitor stage and wetted width during Mainstem and Hilton Creek Ramp-Downs
- Conduct *O. mykiss* rescue and relocation during Ramp Down Operations (NMFS Annually Approved via e-mail–02/22/2024)
- Summary Data Reporting (Due in the year of collection 2000 BiOp pg 74).

Data Management (Each WY Updated by October 30)

- QA/QC
- Analyses
- Posting (Data Portal)
- Updating the Master Data Spreadsheet

**Implement the Lake Cachuma Oak Tree Restoration Program (WRO 2019-0148
Term 33)**

- Monitor survivability of oak trees
- Annual Status Reporting

**Table 2 Flows Effectiveness Study - Implementation and Summary Data Reporting
(WRO 2019-0148 Term 19)**

- Data Collection
- QA/QC
- Summary Data Reporting

Other Non-Routine Activities as Requested

- Reclamation Rescue and Relocation Activities
- Event and Incident Response, Monitoring, and Data Summary Reporting
- Reclamation Documents Review
- Hilton Creek Gravel Augmentation
- WRO 89-18 Monitoring and Summary Data Reporting (RPM 6)
- Studies and/or Implementation and Summary Data Reporting (WRO 2019-0148)
- Habitat Improvement Projects- Adaptive Management (RPM 3, Term 1)

RESOLUTION NO. 799

**A RESOLUTION OF THE GOVERNING BOARD OF
THE CACHUMA OPERATION AND MAINTENANCE BOARD
AUTHORIZING THE BOARD PRESIDENT TO
EXECUTE AN ACTIVITIES AGREEMENT (CONTRACT NO. 14-06-200-5222RB)
BETWEEN THE CACHUMA OPERATION AND MAINTENANCE BOARD AND
THE U.S. BUREAU OF RECLAMATION FOR MEMORIALIZATION OF
ENDANGERED SPECIES COMPLIANCE ACTIVITIES PURSUANT TO THE
2000 BIOLOGICAL OPINION AND WATER ORDER 2019-0148**

RECITALS

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

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

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

WHEREAS, in August, 1997, the National Marine Fisheries Service (“NMFS”) listed anadromous Southern California Steelhead (*Oncorhynchus mykiss*) (“Steelhead”) in the Southern California Evolutionarily Significant Unit, including the Lower Santa Ynez River (“LSYR”) and basin downstream of Bradbury Dam, as an endangered species under the Federal Endangered Species Act (“ESA”), and completed and issued on September 11, 2000 a Biological Opinion (“2000 BiOp”) relative to Cachuma Project operations, as they relate to Steelhead; and

WHEREAS, in 2019, the California State Water Resources Control Board issued Water Rights Order (“WRO”) 2019-0148 to the United States for the operation of the Cachuma Project that required further monitoring, analysis and reporting tasks in support of the Steelhead population in the LSYR basin.

WHEREAS, for many years, Reclamation has requested, and continues to request, that COMB conduct all monitoring, analyses and reporting required in the 2000 BiOp, the WRO 2019-0148, and other requirements associated with the ESA listing of Steelhead; and

WHEREAS, Reclamation concurs in summarizing and memorializing COMB’s Cachuma Project ESA compliance activities that are performed in collaboration with, and on behalf of, Reclamation pursuant to the 2000 BiOp and Order 2019-0148, and other requirements associated with the ESA listing of Steelhead; and

WHEREAS, Reclamation therefore summarized and memorialized the ESA-related requirements and activities in an Activities Agreement (Contract No. 14-06-200-5222RB) (“Activities Agreement”), including terms and conditions for COMB approval and execution protocols; and

WHEREAS, as set forth in the proposed Activities Agreement, COMB is committed to continuing its implementation of the described activities on behalf of Reclamation and continuing its cooperation with Reclamation in Cachuma Project operations and other management actions designed to protect Steelhead and enhance habitat conditions for Steelhead in the Lower Santa Ynez River and its tributaries downstream of Bradbury Dam.

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

1. The Governing Board finds and determines that the facts set forth in the above recitals and in the documents referenced herein are true and correct.
2. The Governing Board hereby approves and authorizes the Board President to execute the Activities Agreement (Contract No. 14-06-200-5222RB), with the terms and conditions as outlined in that Agreement.
3. The above recitals are incorporated herein by reference and adopted as findings.
4. This Resolution shall take effect immediately.

PASSED, APPROVED AND ADOPTED by the Governing Board of the Cachuma Operation and Maintenance Board, this 24th day of June 2024, by the following roll call vote:

AYES:
NAYES:
ABSENT:
ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board



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.”

June 24, 2024

General Manager Report

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

Administration

- **2024 Critical Infrastructure Workshop – Southern California Edison (SCE)**

On Wednesday, May 29, 2024, staff attended a Southern California Edison (SCE) hosted Public Safety Power Shutoff (PSPS) virtual workshop which discussed updated PSPS protocols, wildfire mitigation plans, tools, and resources available for industries.

The presentation on *PSPS Updates* was given by Bryan Falconer, SCE Senior Account Manager – Water Sector, Customer Engagement Division. Mr. Falconer’s presentation focused on the 2024 Wildfire Season and PSPS Action Plan. He outlined the Wildfire Mitigation Plan which prioritizes public safety over everything else, as well as the goal for reducing PSPS’s. Some mitigation efforts currently in place are vegetation management and the installation of weather stations and cameras. Since 2018, there has been an 80-85% decrease in the probability of catastrophic wildfires associated with equipment. There have also been efforts to harden the electrical grid by using more protective equipment, enhance operational practices with additional vegetation management, PSPSs and safety inspections, as well as bolstering the situational awareness capabilities. The presentation outlined the PSPS Notification Timeline, noting that the initial notice is given one to three days in advance for the Period of Concern (POC). This allows critical planning time for industries. He also noted the importance of the final notification which addresses preparation time needed to re-energize the system. He emphasized that re-energizing is “not as simple as flipping a switch”, but that after a PSPS, there needs to be adequate time allowed before safely restoring power. The notification system will be tested in late June. He finished by recommending becoming familiar with the outage website, specifically the customer portal and support sections.

An additional presentation, *Weather & Fire Season Outlook* by Jaqueline Charles, SCE Advisor – Meteorology, Wildfire & PSPS Response provided a weather services overview, which outlined the PSPS forecast process: analysis of the weather, creating a list of all circuits to monitor, delivering the list to the operations team, providing weather briefings, and responding to requests. She highlighted the high-resolution meteorology imaging and forecasting being used, noting its 500-meter resolution. The system is designed to read wind speed, fuel levels, and atmospheric moisture while also learning to remove bias and error, resulting in very accurate data. SCE runs 18 in-house weather models, and the one-to-four-day outlooks are the most accurate. Ms. Charles finished by noting that there has been a 40% reduction in errors.

COMB is registered on SCE’s internal Public Safety Portal as a Public Safety Partner and Critical Infrastructure Customer. This portal is not available to the public and is designed to be a direct link to PSPS information for registered public service sector agencies.

- **Cost-Benefit Analysis – EV vs. Gas Truck**

Below is an initial cost-benefit analysis as requested by the Board related to the purchase of electric vehicles in COMB’s fleet of vehicles. The period used for the analysis was 10 years. As demonstrated in the matrix, cost savings over the remaining 8.55 year period is estimated to be \$21,478.

Cachuma Operation and Maintenance Board			
Cost - Benefit Analysis - Electric Vehicle			
Ford F150 4x4 (Lightning)	EV Vehicle	Gas Vehicle	Ford F150 4x4
Purchase Price	\$ 72,000	\$ 64,000	Purchase Price
Pro-Power Onboard System	\$ (5,000)		
Bosch EV300 Level 2 Charger	\$ 799		
Charger Installation	\$ 2,850		
Maintenance Cost (10-years) *	\$ 9,000	\$ 12,000	Maintenance Cost (10-years) *
Sub Total	\$ 79,649	\$ 76,000	
Difference in Cost	\$ 3,649		
Charge/Fuel Cost			Charge/Fuel Cost
Stated Mileage (miles per kwh)	2.4	19	Stated Mileage (mile per gallon)
Price per kwh (Winter: Oct-May) **	\$ 0.17	\$ 5.15	Avg Price per gallon
Price per kwh (Summer: Jun-Sep) **	\$ 0.22		
Avg Price per kwh	\$ 0.19		
Cost per mile	\$ 0.08	0.27	Cost per mile
Savings per mile	\$ 0.19		
Miles needed to offset diffence in cost	18,879		
Miles driven per year	13,000		
Years to offset difference in cost	1.45		
Years to benefit (10 year analysis)	8.55		
Miles of savings	111,121		
Cost Savings remaining period	\$ 21,478		
* Source: Consumer Reports		* Source: Consumer Reports	
** Off Peak (9pm - 8am)			

- **GASB 74/75 Actuarial Valuation Services - OPEB**

GASB 75 requires a full actuarial valuation for Other Post Employment Benefits (OPEB) Plans at least every two years. Because COMB’s last full valuation was performed as of June 30, 2022, we are due for a full valuation as of June 30, 2024. Total Compensation, Inc. (TCI) provided a 10% discount to the full valuation fee as well as to the subsequent roll-forward valuation which would be performed in 2025. TCI’s fees are all inclusive without additional charges for phone inquiries, re-work, or subsequent requested information. COMB staff is pleased with the valuation services provided by TCI.

U.S. Bureau of Reclamation

- **Spill/Surplus Status**

The lake is at full capacity and surplus water has remained available since effective February 1, 2024. Effective June 21, 2024, Reclamation is no longer making releases in excess of those required for water rights purposes. Reclamation notified the Member Agencies that surplus water was no longer available in accordance with the terms of the Amendatory Contract.

- **2023 Hazardous Materials Compliance Audit**

In August 2023, Reclamation conducted an on-site quintennial Hazardous Compliance Audit for California Department of Water Resources Facilities. The audit locations included the COMB maintenance yard and all facilities located on Reclamation land. Reclamation reviewed required plans, inspection records, training records, and operating permits as they apply to any hazardous materials that are stored onsite. Per the SCCAO Audit Memo, examples included Spill Prevention Control and Countermeasures (SPCC) plans, Hazardous Materials Business Plans (HMBPs), hazardous waste storage area inspection records, hazmat handler training records, and permits to operate generators.

Each audit finding was listed in the Record of Findings (ROF) for each facility. The ROF organizes audit findings by number and includes references to the pertinent regulations, location of the finding, the finding itself, recommendations for compliance, and proposed due date for resolution. Columns are also included in the ROF for the corrective actions implemented and the date the corrective action was completed. Corrective actions and associated due dates were cooperatively determined between the lead auditor and COMB's Operations Division staff. The Operations Division staff has completed all recommendations for compliance and reported appropriately to Reclamation staff.

Respectfully submitted,

Janet Gingras
General Manager

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CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: June 18, 2024

TO: Janet Gingras, General Manager

FROM: Joel Degner, Engineer/Operations Division Manager

RE: MONTHLY ENGINEERING REPORT

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

CLIMATE CONDITIONS

The Water Year 2023-2024 rainfall totals are 143% of normal for the year as of 6/17/24 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 continued through June 21st. Approximately 206,000 acre-feet has been released as spill from the spillway gates and outlet works through 6/18/24 which has resulted in the spill of carryover water from the reservoir. WY 2024 has the 9th largest spill by volume in the history of the dam. According to the National Weather Service Climate Prediction Center ENSO-neutral conditions are present with expects El Niño conditions to transition to neutral in June. La Niña is favored to develop during July-September (65% chance) and persist into the Northern Hemisphere winter 2024-25. (85% chance during November-January).

COMB received updated import-exports forecast from its Member Agencies. The lake elevation projection is provided in Figure 1 assuming dry hydrologic conditions in Water Year 2025.

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

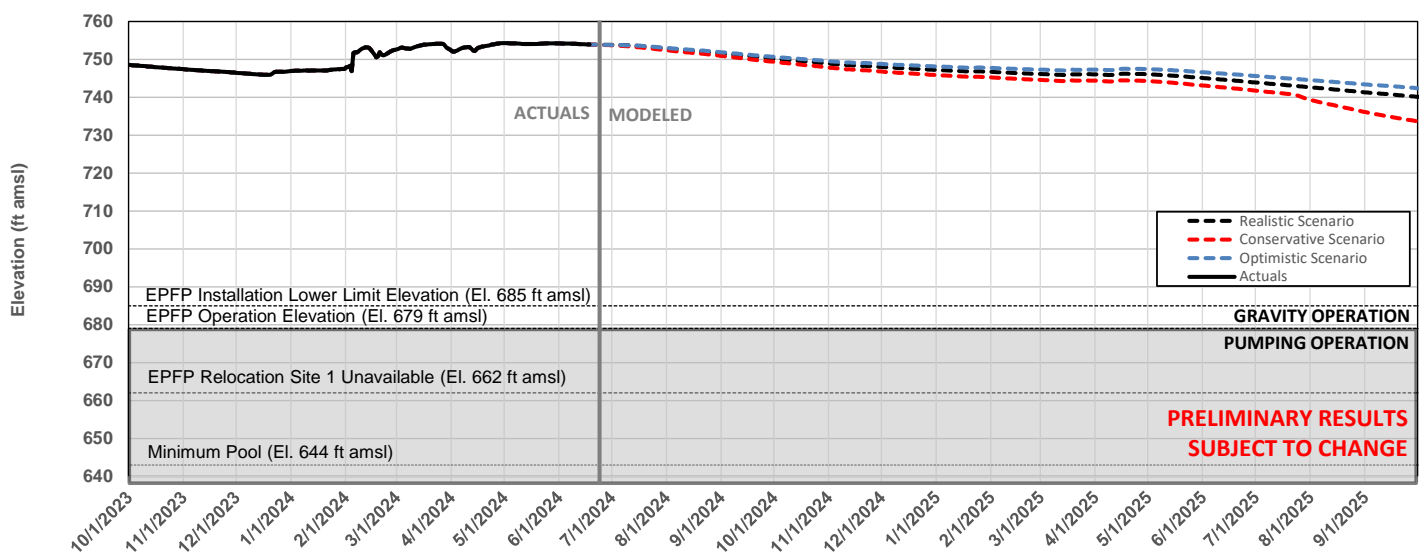


Figure 1. Lake Cachuma Elevation assuming dry conditions in Water Year 2025

WINTER STORM 2023 AND 2024 DAMAGE REPAIRS AND REIMBURSEMENT

COMB staff continues to weekly meet with FEMA regarding 2023 damages. All projects from DR-4683 have been submitted by the FEMA program manager for further review and funding. FEMA has indicated that they would include the engineering, geotechnical, and surveying costs along with the construction costs in the calculation of costs to be reimbursed. 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 \$112,000 (Table 1). 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 5/15/24	FEMA Status
<i>Fiscal Year 2022-23</i>								
County-wide Debris Removal	A	North Portal Log Boom	Contract	\$ 6,422	100%	\$44,251	\$44,251	Funded
		Sheffield Access Road	Contract	\$ 12,750	100%			
		South Portal/Glen Anne Road	Force Account	\$ 25,079	100%			
<i>Fiscal Year 2023-24</i>								
Lauro Reservoir Stilling Well Debris Removal	A	Lauro Stilling Well	Contract	\$ 55,697	100%	\$0	\$0	FEMA denied application.
Sediment Removal From Water Control Facilities	D	Lauro Main Debris Basin	Contract	\$ 303,068	100%	\$284,127	\$284,127	Funded
		San Roque Debris Basin	Contract		100%			
		Carpinteria Toe Drain	Contract		100%			
County-Wide Road Repairs	C	Sycamore Canyon Rock Slope Protection Repair	Contract	\$ 17,600	100%	\$0	\$0	Removed - Maintenance
		Lauro Reservoir Bypass Channel Emergency Repair	Contract	\$ 216,465	100%	\$202,936	\$0	Pending Insurance Completion
Blowoff Repairs	G	Montecito Blowoff Repair	Force Account	\$ 4,290	100%	\$4,022	\$0	Pending EHP Review
		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				\$ 726,726	97%	\$ 615,355	\$328,378	

A federal disaster was declared in California for the January 31 to February 9th, 2024 storms (DR-4769). COMB repaired some damages immediately following the storms. Additional debris was deposited during the storms into the debris basins around Lauro Reservoir. Debris removal from the debris basins typically occurs in late summer or early fall to allow sediments to optimally dewater for more efficient removal. COMB requested public assistance funding for the damage that occurred in 2024. COMB conducted the exploratory call (6/4) and recovery scoping meeting (6/18) in June 2024. COMB currently estimates the 2024 winter storm damages to be approximately \$240,000.

COMB also submitted a subapplication to CalOES for 404 hazard mitigation grant program for unimproved sections of the Lauro Reservoir Bypass Channel/Road. The 404 program provides funding to protect undamaged parts of a facility or to prevent or reduce damages caused by future disasters. COMB received notification from CalOES that they have reviewed the subapplication and submitted it to FEMA for review and funding consideration. The notification is not a guarantee of funding but is a significant step in the process of potentially obtaining funding. The subapplication is still under review by FEMA. COMB provided Reclamation with a project description to perform the NEPA analysis on the project and contracted with a surveyor to provided updated survey information following the 2024 storms to develop the final designs.

INFRASTRUCTURE IMPROVEMENT PROJECTS

Table 2 provides the status of Fiscal Year 2023-24 infrastructure improvement and special projects. COMB staff has prepared a five-year update to the Infrastructure Improvement plan to assist with the Fiscal Year 2024-2025 budget preparation and future project planning. COMB has initiated work on Fiscal Year 2024-25 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 CVWD and COMB has been approved by COMB and CVWD to facilitate the work.	An additional SCC Line Valve has been postponed as it is more advantageous to combine the cooperative agreement resources for lateral rehabilitation.
SCC Structure Rehabilitation : Lower Reach Laterals	CVWD and COMB boards have approved Phase 2. A portion of Phase 2 requires a permit from Caltrans which was received on 12/31/23. Reclamation completed the additional cultural/NEPA review at the end of January and the work is cleared to proceed.	In order to facilitate shutdowns on the Lower Reach of the SCC, lateral valves need replacement. COMB is collaborating with CVWD on this project.	Phase 2 is planned to be initiated in July 2024. Work has been delayed by permit requirements and winter storms and material delays.
SCC Structure Rehabilitation	Several remaining blowoffs need preventative rehabilitation to prevent unplanned outages. All AVARs on the SCC have been raised above grade. Shutdowns will not be feasible this year and the work has been postponed. A portion of the budget was reallocated to the Bradbury Dam Stilling Basin Pump Project	The shutdown needed require coordination with CVWD and completion of the lateral rehabilitation prior to shutdown.	SCC Structure Rehabilitation is postponed until FY 2024-25, as shutdowns are dependent on CVWD coordination and completion of lateral rehabilitation.
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. The final report was provided to COMB.	COMB staff has taken additional tributary samples through winter months to supplement the study. The rise in lake level complicates sediment sampling procedures at the deepest part of the lake. In addition, with the high amounts of inflow and sedimentation - the entire volume of the lake has been exchanged with new water and the bottom is likely covered with an extensive layer of new sediment. Additional scope was added to analyze sediment from 2023 and previous years based on dating the cores. Cores could not be taken from the deepest part of the lake due to the softness of the bottom sediment.	A focused phosphorous and TOC sourcing study by COMB was initiated in 2022/2023 and completed in April 2024.
COMB Bldg/Ground Repair	COMB is investigating options for the installation of a solar energy system to offset COMB's energy usage as part of the Sustainability Plan. COMB met with SCE regarding vehicle charging infrastructure and metering options. COMB staff has been updating utility information on COMB's system to provide the data need to determine the most beneficial system to work with the existing facilities. COMB issued an RFP to solar contractors and reviewing the proposals.	The Cachuma Project is primarily a gravity-driven system with the only energy costs associated with electricity usage related to cathodic protection, lighting and ventilation, office equipment, vehicle usage. It may be possible to offset all of COMB's electrical usage with a modestly sized solar power system to achieve net zero in electrical usage for water delivery. COMB will also evaluate the possibility solar energy for vehicle energy use as well.	COMB plans to evaluate options for solar and depending on the location chosen may require Reclamation engineering and/or 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: June 24, 2024
TO: Janet Gingras, General Manager
FROM: Shane King, Operations Supervisor
RE: **MONTHLY REPORT OF OPERATIONS – May 2024**

The total flow from Lake Cachuma into the Tecolote Tunnel for May was 1,434.82 acre-feet, for an average daily flow of 46.28 acre-feet. Lake elevation was 754.26 feet at the beginning of May and 754.19 feet at the end of May. Lake storage decreased by 253.79 acre-feet. There was 8.64 acre-feet of inflow from CCWA into Cachuma Project facilities this month. The City of Santa Barbara wheeled 491.20 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized and delivered 439.96 acre-feet of water to Hilton Creek for the month of May.

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

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

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

Routine operation and maintenance completed during the month of May 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 81 USA Dig alerts
- Performed weekly inspections of major facilities, safety meetings, rodent bait (all reservoirs), toe drain, and piezometer reads at Ortega (L23)
- Performed dam inspection and instrumentation reports (all reservoirs)
- Performed equipment and yard maintenance
- Performed monthly North Portal elevator maintenance with Otis
- Performed monthly water quality sampling
- Read and document anodes and rectifier data

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

- Staff conducted weed abatement around Lauro reservoir, maintenance yard, and office area. This work is conducted annually in accordance with COMB's SCC and building/grounds Right-of-way and brush clearing program.
- Staff assisted RA Atmore with weed abatement and road clearing around Glen Anne reservoir, dam, control building, south portal road, and surrounding facilities. This work is conducted annually in accordance with COMB's SCC and building/grounds Right-of-way and brush clearing program. (See Photos)
- Staff assisted RA Atmore with weed abatement and road clearing around Ortega reservoir, dam, control building, and surrounding facilities. This work is conducted annually in accordance with COMB's SCC and building/grounds Right-of-way and brush clearing program. (see photos)
- During scheduled monthly maintenance of the North Portal control station, it was found that the standby backup generator for this facility was not functioning properly and would not run in an emergency. COMB hired Quinn company to repair the generator. It is currently functioning and back to normal operations.
- COMB staff worked with CMC pro to design an emergency retrieval system inside the north portal elevator shaft. To be proactive, staff is designing this retrieval system to extract a staff member in the event of someone injuring themselves or is deemed unresponsive. (see photos)
- COMB hired CALTROL to repair the electric valve actuator for the Carona Del Mar turnout slide gate. COMB exercises this valve on an annual basis and during scheduled maintenance it was found to be inoperable. CALTROL staff repaired the electric actuator, and it is back to normal operations.
- The Bureau of reclamation conducted their annual site inspections on all four of COMB's operating reservoirs. These reservoirs include Glen Anne reservoir, Lauro reservoir, Ortega reservoir, and Carpinteria reservoir. COMB is waiting to receive the reports from Reclamation, but no major recommendations were reported.
- Operations division continues working through its annual structure maintenance program on the south reach sections of the SCC (Lauro reservoir to Carpinteria reservoir). This work includes visiting each air vent, blow off, lateral, and meter structures and performing annual maintenance. In addition, staff is gathering new GPS locations of each structure to improve COMB's alignment of the SCC. Staff is waiting to conduct work on the south reach section of the SCC until the lateral rehab work starts this summer. Thus far, staff is completed with the upper reach section of the SCC and completed 6 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

Glen Anne weed abatement work



Ortega reservoir weed abatement/brush clearing work



Reclamation annual site inspections



Elevator shaft rigging for emergency extraction



CACHUMA OPERATION AND MAINTENANCE BOARD
BOARD MEMORANDUM

DATE: June 24, 2024
TO: Janet Gingras, General Manager
FROM: Tim Robinson, Fisheries Division Manager
RE: MONTHLY FISHERIES DIVISION REPORT

HIGHLIGHTS:

- 2000 Biological Opinion target flows have been met by USBR through Lake Cachuma releases:
 - Hilton Creek (minimum of 2 cfs): Hilton Creek Watering System (HCWS) gravity flow to the Upper Release Point (URP) and Lower Release Point (LRP) (approximately 7 cfs) plus upper basin flows (> 0.8 cfs since May and into mid-June) 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 20 cfs as of 4/15/24 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 ended it on 6/21/24; the trigger for Table 2 flows was reached on 2/6/24.
 - The dam radial gates were closed on 3/10/24, reopened on 3/28/24 due to stormflow conditions, and then closed again on 4/22/24. Since then, the spill has been ramped down through the Outlet Works.
- Stranding surveys during spill ramp-downs have continued as USBR adjusts dam releases in compliance with Table 2 flows.

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

LSYR Steelhead Monitoring Elements:

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

Migrant Trapping: The 2024 Migrant Trapping Plan was provided to Reclamation in early January who then submitted it to NMFS on 1/16/24. This monitoring effort normally begins in

February and continues through May depending on streamflow rates. The results are presented in the Annual Monitoring Summary. The Hilton Creek and Salsipuedes Creek traps were installed on 2/10/24. The LSYR Mainstem Trap was not installed due to high stormflow conditions. The traps have been periodically removed due to high stormflow events and then reinstalled as the flows dropped. The trapping season ended on 5/23/24 when the ITS take limit was reached. The Santa Ynez River Lagoon currently is open and its status is routinely monitored. Results of the trapping program are presented in the Annual Monitoring Report.

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.

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.

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

Multiple moderate rainfall events in late March and April were sufficient to continue the spill specifically on 3/29/24, 4/4/24, and 4/13/24. Dam releases in May varied from approximately 250 cfs to approximately 70 cfs at the end of the month.

The minimum target flow of 2 cfs to Hilton Creek was met throughout May with HCWS gravity flow to the URP and a small amount to the LRP (approximately 7 cfs) and upper basin flows (> 0.8 cfs since the early April) for a total of approximately 7.8 cfs throughout April 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 (20 cfs as of 4/15/24 through 6/1/24) in May and into June. 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 USGS stream gage at the Highway154 Bridge is operating as designed and contracted. This is a low flow gage that continually records stage but only records river discharges up to 65 cfs. USBR continues to work with the State Board to modify Term 18 and Term 25 to officially move the target flow compliance point to the new USGS gage site.

Tributary Project Updates:

Staff continues to work on 5 focused fish passage and habitat enhancement projects as described in a memo presented to the Board during the March and June meetings.

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 official 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 5/31/24, 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 5/31/24.			
*** This water is for meeting required target flows. This is not an official account and is what remains after subtracting the other two accounts.			

Reporting / Outreach / Training:

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

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

Consultant Activity Summary:

HDR Fisheries Design Center (Mike Garelo and Shaun Bevan) – HDR conducted a field visit at the end of May to refine proposed efforts for the fall tributary fish passage and habitat enhancement project. This included updating the Technical Memo and designs.

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:	June 24, 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 May 2023 to the present (6/1/23 – 6/24/24, 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 June 2023.

	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	April 2024 ¹	May 2024 ¹	June 2024
Year 13 Oaks (2021-2022)	Irrigation Weeded	Irrigation	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Watered				Weeded	Weeded	Weeded
				Repair									
Year 12 Oaks (2020-2021)		Irrigation	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded		Irrigated Watered						Irrigated Weeded
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)													
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

The soil moisture index has reached the “Dry” category in the Santa Ynez Valley with the Santa Barbara Flood County Flood Control District recently measuring Antecedent Indexes of 9.2-9.4 (9.1 and above = Dry). Beginning the first week of June, COMB-FD staff commenced dry season watering (and weeding), starting with the most recent age class of oak trees (Yr 13). Year 12 trees are also being irrigated and weeded this month.

Tree Planting

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

Annual Inventory

The 2023 Annual Inventory of all year classes is near completion and will be reported in the 2023 Annual Report.

End of Program Plan

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

COMMITTEE STATUS:

Lake Cachuma Oak Tree Committee met on 9/14/23 and reviewed the 2022 Lake Cachuma Oak Tree Restoration Program Annual Report with the recommendation to forward to the Board. The next Committee meeting is scheduled for 7/25/24 to review the 2023 Annual Report.

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

(All in rounded Acre Feet)

CACHUMA PROJECT		
WATER PRODUCTION:	MONTH	WYTD
Cachuma Lake (Tec. Diversion)	1,386.4	9,175.4
Tecolote Tunnel Infiltration	131.3	862.8
Cachuma Lake (County Park)	1.9	10.7
Subtotal - Water Production	1,519.6	10,048.8
WATER DELIVERIES:		
State Water Diversion	0.0	201.6
Cachuma Diversion	1,491.2	9,733.4
Storage gain/(loss) ⁽²⁾	(14.4)	8.2
Subtotal - Water Deliveries	1,476.8	9,943.2
Total Water Production	1,519.6	10,048.8
Total Water Deliveries	1,476.8	9,943.2
Difference = Apparent Water Loss	42.8	105.6
% Apparent Water Loss	2.82%	1.05%

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)					105.6
Total AWL Incurred (WYTD)					105.6

CACHUMA PROJECT WATER CHARGE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
CURRENT MONTH						
Water Usage						
M&I	821.3	157.0	90.7	139.4	1.9	1,210.2
Agricultural	155.9	0.0	4.9	120.3	N/A	281.0
Subtotal Project Water Use	977.1	157.0	95.6	259.7	1.9	1,491.2
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss ⁽⁴⁾	0.0	0.0	0.0	0.0	0.0	0.0
Total Project Water Charge	977.1	157.0	95.6	259.7	1.9	1,491.2
WATER YEAR-TO-DATE						
Water Usage						
M&I	5,137.9	1,705.7	347.7	884.6	10.7	8,086.6
Agricultural	839.0	0.0	28.9	778.9	N/A	1,646.8
Subtotal Project Water Use	5,976.9	1,705.7	376.6	1,663.5	10.7	9,733.4
(+) 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 (*)	6,059.9	1,834.5	409.5	1,690.5	47.4	10,041.8

(*) 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 MAY 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	1,355.6	276.3	1,107.7	42.8	6,502.9
Carryover Available Before Adjustments	2,793.8	6,577.1	1,799.8	1,002.5	2,112.5	14,285.7
Adjustments to Carryover (WYTD)						
State Water Exchange ⁽⁵⁾	0.0	0.0	0.0	0.0	0.0	0.0
Surplus ⁽⁶⁾	516.5	321.9	4.4	102.8	6.7	952.2
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)	2,339.4	478.9	133.2	582.8	4.6	3,538.9
Allocation Available Before Adjustments	6,982.6	7,798.1	2,517.8	2,230.2	2,646.4	22,175.1
Adjustments to Allocation (WYTD)						
State Water Exchange ⁽⁵⁾	98.0	66.0	66.0	44.0	(274.0)	0.0
Surplus	2,339.4	478.9	133.2	582.8	278.6	3,812.9
Transfers/Adjustment - SB/La Cumbre	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - Bishop Ranch ⁽⁹⁾	100.0	0.0	0.0	0.0	0.0	100.0
Transfers/Adjustment - Juncal Transfer	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - GWD/SB Overlap	0.0	0.0	0.0	0.0	0.0	0.0
Balance Current Year Allocation	9,520.0	8,343.0	2,717.0	2,857.0	2,651.0	26,088.0
Total Cachuma Project Water Available	9,520.0	8,343.0	2,717.0	2,857.0	2,651.0	26,088.0

ACCUMULATED DROUGHT WATER CREDIT (ADWC) BALANCE ⁽¹⁰⁾

	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	9,520.0	8,343.0	2,717.0	2,857.0	2,651.0	26,088.0

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 85 AF; City of SB received 57 AF; MWD received 57 AF; and CVWD received 38 AF from ID#1 in May 2024
- (6) Per USBR, surplus water became available to Member Units beginning 2/1/24 and continues through May 2024
- (7) Spill releases from Bradbury Dam in February 2024 (113,097 AF) reduced SWP and Carryover accounts
- (8) Per USBR, 100% allocation to Member Units, effective 10/1/23
- (9) Transfer per Contract for Exchange Water with Thomas B. Bishop Company and GWD (100 AF)
- (10) ADWC accrual for WY 2023 and WY 2024 is pending Reclamation determination
- (11) Memo only - State Water Deliveries to Lake Cachuma for May 2024 was 0 AF
- (12) Memo only - MWD has received 1,277.62 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: **MAY 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	353.5	Feet
Water in Storage	136.21	AF

LAURO RESERVOIR

Capacity at 549' elevation:	503	AF
Capacity at top of intake screen, 520' elevation:	106.05	AF
Stage of Reservoir Elevation	544.4	Feet
Water in Storage	416.45	AF

ORTEGA RESERVOIR

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	447.2	Feet
Water in Storage	20.16	AF

CARPINTERIA RESERVOIR

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	374.5	Feet
Water in Storage	22.42	AF

TOTAL STORAGE IN RESERVOIRS ⁽¹⁾

Change in Storage	-13.14	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	754.19	Feet
Water in Storage	196,723	AF
Surface Area	3,163	Acres
Evaporation	1,462.1	AF
Inflow	12,565.0	AF
Downstream Release WR8918	0.0	AF
Fish Release (Hilton Creek)	440.0	AF
Outlet	9515.0	AF
Spill/Seismic Release	0	AF
State Water Project Water	8.6	AF
Change in Storage	-254	AF
Tecolote Diversion	1,434.8	AF

Rainfall: Month: 0.10 Year: 32.86 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 5/31/2024

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

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED				
Acre-feet			Evap			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total	
756.2	244.7	1,000.9	36.9	1,000.9	1,037.9	778.1	259.8	-	-	-	
642.3	185.0	827.3	21.3	827.3	848.6	654.3	194.3	-	-	-	
549.0	136.8	685.8	9.8	685.8	695.6	554.1	141.5	-	-	-	
586.8	27.6	614.4	7.6	614.4	622.0	590.4	31.6	-	-	-	
478.1	31.0	509.1	7.4	509.1	516.5	480.9	35.5	-	-	-	
660.5	22.3	682.8	-	-	-	-	-	660.5	22.3	682.8	
643.8	35.6	679.4	-	-	-	-	-	643.8	35.6	679.4	
821.3	155.9	977.1	-	-	-	-	-	821.3	155.9	977.1	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
5,137.9	839.0	5,976.9	83.0	3,637.5	3,720.5	3,057.8	662.7	2,125.6	213.8	2,339.4	

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	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)	(803.0)	(1,990.8)	-	-
Mar	Surplus (+682.8AF)	-	-	660.5	22.3	682.8
Apr	Surplus, ID#1 Exch, Bishop Ranch ⁽²⁾	-	-	754.1	38.3	792.4
May	Surplus (+977.1AF) + ID#1 Exch (+85AF)	-	-	876.5	185.6	1,062.1
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	5,476.4	3,082.7	2,393.7	6,644.0	2,678.0	9,322.0
Nov	4,627.8	2,428.4	2,199.4	6,644.0	2,678.0	9,322.0
Dec	3,932.2	1,874.3	2,057.9	6,644.0	2,678.0	9,322.0
Jan	3,310.3	1,283.9	2,026.3	6,644.0	2,678.0	9,322.0
Feb	-	-	-	6,644.0	2,678.0	9,322.0
Mar	-	-	-	6,644.0	2,678.0	9,322.0
Apr	-	-	-	6,754.3	2,680.7	9,435.0
May	-	-	-	6,809.5	2,710.5	9,520.0
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 9,520.0

Footnotes

- (1) Schedule and Revisions (February 2024) - Includes Surplus Water (+516.5AF) and Carryover Water Spilled (-3,310.3AF)
- (2) Schedule and Revisions (April 2024) - Includes Surplus Water (+679.4AF), ID#1 Exchange (+13AF), and Bishop Ranch Exchange (+100AF)

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 5/31/2024

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

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation				Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	-----	M & I	-----	Total
45.5	-	45.5	48.6	45.5	94.0	94.0	-	-	-	-
273.6	-	273.6	32.4	273.6	306.1	306.1	-	-	-	-
401.1	-	401.1	16.8	401.1	417.9	417.9	-	-	-	-
201.0	-	201.0	14.7	201.0	215.7	215.7	-	-	-	-
305.6	-	305.6	16.3	305.6	321.9	321.9	-	-	-	-
177.5	-	177.5	-	-	-	-	-	177.5	-	177.5
144.4	-	144.4	-	-	-	-	-	144.4	-	144.4
157.0	-	157.0	-	-	-	-	-	157.0	-	157.0
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,705.7	-	1,705.7	128.8	1,226.8	1,355.6	1,355.6	-	478.9	-	478.9

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			
	Total	Allocation		Total
		M & I	-----	
Begin Bal	7,932.7	7,932.7	-	8,277.0
Oct	-	-	-	-
Nov	-	-	-	-
Dec	-	-	-	-
Jan	-	-	-	-
Feb	Surplus, Spill ⁽¹⁾	(6,577.1)	(6,577.1)	-
Mar	Surplus (+177.5AF)	-	-	177.5
Apr	Surplus (+144.4AF) + ID#1 Exch (+9AF)	-	-	153.4
May	Surplus (+157.0AF) + ID#1 Exch (+57AF)	-	-	214.0
Jun	-	-	-	-
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	-	-	-	8,277.0	-	8,277.0
Apr	-	-	-	8,286.0	-	8,286.0
May	-	-	-	8,343.0	-	8,343.0
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 8,343.0

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

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

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

Contract Entity: **Montecito Water District**
 Update by COMB 5/31/2024

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

TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED		
Acre-feet			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	Total
97.7	15.9	113.7	12.4	113.7	126.1	107.8	18.2	-
66.9	4.7	71.6	8.1	71.6	79.7	73.4	6.3	-
22.5	1.8	24.3	4.3	24.3	28.6	26.0	2.6	-
33.0	0.7	33.7	3.8	33.7	37.6	36.1	1.5	-
-	-	-	4.4	-	4.4	4.3	0.1	-
36.8	0.8	37.6	-	-	-	-	-	37.6
-	-	-	-	-	-	-	-	0.8
-	-	-	-	-	-	-	-	37.6
90.7	4.9	95.6	-	-	-	-	-	95.6
-	-	-	-	-	-	-	-	4.9
-	-	-	-	-	-	-	-	95.6
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
347.7	28.9	376.6	32.9	243.4	276.3	247.6	28.6	133.2

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	2,076.1	1,690.3	385.8	2,244.0	407.0	2,651.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	Surplus, Spill ⁽¹⁾	(1,799.8)	(1,442.7)	(357.2)	-	-
Mar	Surplus (+37.6AF)	-	-	36.8	0.8	37.6
Apr	ID#1 Exch (+9AF)	-	-	7.1	1.9	9.0
May	Surplus (+95.6AF) + ID#1 Exch (+57AF)	-	-	127.8	24.8	152.6
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

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

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 2,717.0

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

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

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

Contract Entity: **Carpinteria Valley Water District**
 Update by COMB 5/31/2024

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr	TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED				
			Acre-feet			Evap	Used	Total	Allocation		Allocation		Total
			M & I	Agr	Total				M & I	Agr	M & I	Agr	
Oct	2,110.2	2,813.0	140.9	181.6	322.5	12.0	322.5	334.4	147.1	187.3	-	-	-
Nov	-	-	130.2	158.7	288.9	6.9	288.9	295.8	133.9	161.8	-	-	-
Dec	-	-	112.0	111.9	224.0	3.1	224.0	227.1	113.8	113.3	-	-	-
Jan	-	-	93.6	51.6	145.2	2.5	145.2	147.7	95.0	52.7	-	-	-
Feb	-	-	66.5	33.7	100.2	2.6	100.2	102.8	67.9	34.9	-	-	-
Mar	-	-	101.3	63.0	164.3	-	-	-	-	-	101.3	63.0	164.3
Apr	-	-	100.7	58.1	158.8	-	-	-	-	-	100.7	58.1	158.8
May	-	-	139.4	120.3	259.7	-	-	-	-	-	139.4	120.3	259.7
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	2,110.2	2,813.0	884.6	778.9	1,663.5	27.0	1,080.7	1,107.7	557.7	550.1	341.4	241.4	582.8

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	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)	(545.7)	(456.7)	-	-
Mar	Surplus (+164.3AF)	-	-	101.3	63.0	164.3
Apr	Surplus (+158.8AF) + ID#1 Exch (+6AF)	-	-	105.4	59.3	164.8
May	Surplus (+259.7AF) + ID#1 Exch (+38AF)	-	-	164.1	133.6	297.7
Jun	-	-	-	-	-	-
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	-	-	-	1,406.5	1,406.5	2,813.0
Apr	-	-	-	1,411.2	1,407.8	2,819.0
May	-	-	-	1,435.9	1,421.1	2,857.0
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 2,857.0

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

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

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

Contract Entity: **Santa Barbara Co. Water Agency**
 Update by COMB 5/31/2024

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr	TOTAL WATER USED				WATER USE CHARGED					WATER USE CHARGED		
			Acre-feet				Evap			Allocation		Allocation		Total
			Use %	M & I	Agr	Total		Div	Total	M & I	Agr	M & I	Agr	
Oct	20,788.6	25,714.0	0.0	1,041.6	442.3	1,483.9	123.0	1,483.9	1,606.9	1,135.2	471.7	-	-	-
Nov	-	-	0.0	1,114.4	348.4	1,462.8	77.7	1,462.8	1,540.5	1,173.7	366.8	-	-	-
Dec	-	-	0.0	1,085.5	250.5	1,336.0	38.9	1,336.0	1,375.0	1,115.1	259.8	-	-	-
Jan	-	-	0.0	915.4	80.0	995.4	33.0	995.4	1,028.4	940.4	87.9	-	-	-
Feb	-	-	0.0	851.7	64.7	916.4	35.8	916.4	952.2	879.2	73.0	-	-	-
Mar	-	-	0.0	977.6	86.1	1,063.7	-	-	-	-	-	977.6	86.1	1,063.7
Apr	-	-	0.0	890.3	93.7	983.9	-	-	-	-	-	890.3	93.7	983.9
May	-	-	0.0	1,210.2	281.0	1,491.2	-	-	-	-	-	1,210.2	281.0	1,491.2
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	20,788.6	25,714.0	0.2	8,086.6	1,646.8	9,733.4	308.4	6,194.5	6,502.9	5,243.6	1,259.3	3,078.1	460.8	3,538.9

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	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⁾	(14,285.7)	(10,449.2)	(3,836.5)	-	-
Mar	Surplus (+1,063.7AF)	-	-	977.6	86.1	1,063.7
Apr	Surplus, Bishop Ranch ⁽²⁾	-	-	1,021.4	99.5	1,120.9
May	Surplus (+1,728.2AF)	-	-	1,384.2	344.0	1,728.2
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

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

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 26,088.0

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



June 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
31	754.19	196,723														
1	754.19	196,723	-	3,163.4	-	-	0.360	77.82	-	-	50.23	14.17	-	128.00	-	270.22
2	754.16	196,627	(95.2)	3,162.6	-	-	0.200	43.22	-	-	48.08	14.17	-	128.00	-	138.30
3	754.16	196,627	-	3,162.6	-	-	0.230	49.70	-	-	48.94	14.24	-	130.00	-	242.88
4	754.15	196,596	(31.7)	3,162.3	-	-	0.200	43.22	-	-	48.17	14.17	-	128.00	-	201.84
5	754.14	196,564	(31.7)	3,162.0	-	-	0.260	56.18	-	-	48.75	14.18	-	128.00	-	215.38
6	754.13	196,532	(31.7)	3,161.7	-	-	0.240	51.85	-	-	48.60	14.21	-	128.00	-	210.94
7	754.13	196,532	-	3,161.7	-	-	0.300	64.81	-	-	48.56	14.20	-	129.00	-	256.57
8	754.11	196,469	(63.4)	3,161.1	-	-	0.280	60.48	-	-	48.56	14.18	-	128.00	-	187.78
9	754.08	196,374	(95.2)	3,160.3	-	-	0.210	45.35	-	-	47.02	14.16	-	128.00	-	139.36
10	754.07	196,342	(31.7)	3,160.0	-	-	0.260	56.14	-	-	42.08	14.23	-	129.00	-	209.73
11	754.05	196,278	(63.4)	3,159.4	-	-	0.230	49.66	-	-	47.45	14.18	-	128.00	-	175.84
12	754.02	196,183	(95.2)	3,158.5	-	-	0.270	58.28	-	-	51.86	14.20	-	128.00	-	157.17
13	754.00	196,120	(63.4)	3,158.0	-	-	0.280	60.42	-	-	43.76	14.18	-	110.00	-	164.92
14	753.98	196,057	(62.8)	3,157.3	-	-	0.240	51.78	-	-	42.28	14.18	-	91.00	-	136.40
15	753.98	196,057	-	3,157.3	-	-	0.280	60.41	-	-	42.28	14.22	-	72.00	-	188.91
16	753.95	195,963	(94.2)	3,156.3	-	-	0.290	62.55	-	-	40.02	14.15	-	69.00	-	91.47
17	753.94	195,931	(31.4)	3,156.0	-	-	0.240	51.76	-	-	47.12	14.19	-	69.00	-	150.65
18	753.91	195,837	(94.2)	3,155.0	-	-	0.300	64.68	-	-	53.78	14.20	-	69.00	-	107.41
19	753.89	195,774	(62.8)	3,154.4	-	-	0.310	66.82	-	-	58.81	14.19	-	68.00	-	144.99
20	753.85	195,649	(125.7)	3,153.0	-	-	0.290	62.48	-	-	56.75	14.24	-	69.00	-	76.81

Total			(1,073.97)		-	-	5.270	1,137.61	-	-	963.11	283.84	-	2,157.00	-	3,467.59
Minimum	753.85	195,649	(125.66)	3,153.05	-	-	0.200	43.22	-	-	40.02	14.15	-	68.00	-	76.81
Average	754.04	196,262	(53.70)	3,159.14	-	-	0.264	56.88	-	-	48.16	14.19	-	107.85	-	173.38
Maximum	754.19	196,723	-	3,163.42	-	-	0.360	77.82	-	-	58.81	14.24	-	130.00	-	270.22

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 June pan factor: 82%
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: May 2024**



Cachuma Lake Recreation Area Launch Data – May 2024		
Inspection Data		
Total Vessels Entering Park	728	
Total Vessels Launched	707	
Total Vessels Quarantined	21	
Returning (Tagged) Boats Launched	532	75%
Kayak/Canoe: Inspected, launched	175	25%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
Quarantine Data		
Total Vessels Quarantined	21	
Quarantined 14 days	*	
Quarantined 30 days	21	
Quarantine Cause		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	7	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	21	
Demographic Data		
Quarantined from infected county	7	
Quarantined from SB County	14	
Quarantined from uninfected co	0	

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

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

* These conditions are no longer being tracked.

EARLY DETECTION MONITORING PROGRAM SUMMARY

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

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

Plankton Tow Inspection Dates: 2024.05.12, 2024.05.30

Artificial Substrate & Surface Survey Date: 2024.05.30, 2024.05.30

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

Surveyors: COSB, Parks Division – JP Sekulich

Lake elevation: Max feet: 753.00, current 754.21; Max acre-feet: 192,978, current: 196,754;

Capacity: 102% At of the end of the survey month.