



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

**Monday, August 28, 2023
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/88343776305?pwd=T2JUVWJ3WnZSOE5DVWpHRGNRTkFCQT09>

Passcode: 676396

Join via Teleconference

US +1 669 900 6833 Webinar ID: 883 4377 6305 Passcode: 676396

HOW TO MAKE A PUBLIC COMMENT

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

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

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

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

AMERICANS WITH DISABILITIES ACT

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

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

Monday, August 28, 2023

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 July 24, 2023 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:
 - Operations Committee Meeting – August 22, 2023
- 5. FINANCIAL REVIEW – 4th QUARTER FISCAL YEAR 2022-23**
Action: Receive and file information on the 4th Quarter Fiscal Year 2022-23 Financial Review
- 6. RESOLUTION NO. 792 - LAURO RESERVOIR BYPASS CHANNEL CONSTRUCTION BID AND ENGINEERING DURING CONSTRUCTION COSTS**
Action: Recommend adoption by motion and roll call vote of the Board
- 7. GENERAL MANAGER REPORT**
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
 - Administration
 - Personnel
 - U.S. Bureau of Reclamation

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8. ENGINEER'S REPORT

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

- Climate Conditions
- Earthquake
- County-wide Debris Removal Update
- North Portal Elevator
- Reclamation Inspections
- Lauro Stilling Well Debris Removal
- Infrastructure Improvement Projects

9. OPERATIONS DIVISION REPORT

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

- Lake Cachuma Operations
- Operation and Maintenance Activities

10. FISHERIES DIVISION REPORT

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

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

11. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

Action: Receive information, including but not limited to the following, and provide direction to staff if appropriate:

- Maintenance and Monitoring
- End of Program Plan

12. MONTHLY CACHUMA PROJECT REPORTS

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

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

13. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

14. [CLOSED SESSION]: CONFERENCE WITH LEGAL COUNSEL: POTENTIAL LITIGATION

- a. [Government Code Section 54956.9(d)(1)]
Potential Litigation: Conference with Legal Counsel

15. RECONVENE INTO OPEN SESSION

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

- 14a. Potential Litigation: Conference with Legal Counsel

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16. MEETING SCHEDULE

- **Regular Board Meeting – September 25, 2023 at 1:00 PM**
- **Board Packages available on COMB website www.cachuma-board.org**

17. COMB ADJOURNMENT

NOTICE TO PUBLIC

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

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

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

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

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

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

**Monday, July 24, 2023
1:00 PM**

MINUTES

1. CALL TO ORDER, ROLL CALL

The regular meeting of the Board of Directors was called to order by President Holcombe at 1:04 PM

Directors Present:

Polly Holcombe, Carpinteria Valley Water District (Remote)
Kristen Sneddon, City of Santa Barbara
Lauren Hanson, Goleta Water District

Director Absent:

Cori Hayman, Montecito Water District

General Counsel Present:

William Carter - Musick, Peeler, Garrett, LLP

Staff Present:

Janet Gingras, General Manager	Elijah Papen, Senior Program Analyst
Edward Lyons, Administrative Manager/CFO	Timothy Robinson, Fisheries Division Manager
Joel Degner, Engineer/Operations Division Manager	Ursula Santana, Administrative Assistant II
Shane King, Ops Supervisor/Chief Distrib. Operator	Dorothy Turner, Administrative Assistant II

Others Present:

Dana Hoffenberg, City of Santa Barbara	Matt Young, COSB Water Agency
Leah Makler, Resident	Dakota Corey, City of Santa Barbara

2. PUBLIC COMMENT

The Board welcomed Ursula Santana as the new Administrative Assistant.

3. CONSENT AGENDA

- a. Minutes of June 26, 2023 Regular Board Meeting
- b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - Review of Paid Claims

Ms. Gingras, General Manager, presented the consent agenda for the Board's consideration. Mr. Lyons, Administrative Manager/CFO, reviewed several expenditures of note, including payments to Gibbs Truck Centers, Makai Ocean Engineering, Ramsay Asphalt and to Flowers and Associates.

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

Ayes: Sneddon, Hanson, Holcombe

Nays:

Absent: Hayman

Abstain:

4. VERBAL REPORTS FROM BOARD COMMITTEES

- Fisheries Committee Meeting – July 12, 2023
- Administrative Committee Meeting – July 18, 2023

Director Hanson reviewed the Fisheries Committee topics, noting that they were addressed in today's agenda. President Holcombe followed with a summary of the Administrative Committee meeting and its recommendations.

5. BOARD COMMITTEE APPOINTMENTS FOR FISCAL YEAR 2023-24

President Holcombe announced no changes to the current committee assignments as noted within the agenda and called for a motion, provided by Director Sneddon, and seconded by Director Hanson. The motion carried with a vote of five in favor and one absent;

Ayes: Sneddon, Hanson, Holcombe

Nays:

Absent: Hayman

Abstain:

6. PROPOSED ANNUAL RESOLUTIONS

Ms. Gringas presented Resolutions No. 782 through No. 790, noting that the approval of the annual Resolutions is a basic housekeeping item. The resolutions will supersede prior resolutions of the same subject matter.

Director Sneddon motioned to adopt Resolutions No. 782 through No. 790 as presented and Director Hanson seconded. The motion carried with a vote of five in favor and one absent.

Ayes: Sneddon, Hanson and Holcombe

Nays:

Absent: Hayman

Abstain:

7. UPDATE TO FISCAL POLICY – CAPITALIZATION OF ASSETS / DISPOSAL OF ASSETS PROVISIONS

Mr. Lyons presented the update to the fiscal policy for the Board to consider. The update related to the accounting for fixed assets, as recommended by the Government Financial Officers Association. As well, the Board discussed the possible capitalization of certain COMB infrastructure projects, including the Modified Upper Reach Reliability Project (MURRP) and the Lake Cachuma Secured Pipeline Project. In discussion, it was noted that capitalization of certain assets would significantly improve COMB's financial position and reviewed by COMB's auditors.

Director Hanson motioned to approve the update to the Fiscal Policy as presented including the capitalization of the Lake Cachuma Secured Pipeline Project. Director Sneddon seconded the motion. The motion carried with a vote of five in favor and one absent. The capitalization of the MURRP will be brought back for possible inclusion following additional discussion with Reclamation regarding title to assets within their easement.

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

8. OPTIONS FOR CALPERS UNFUNDED ACCRUED LIABILITY (UAL) PAYMENTS

Mr. Lyons presented the Board with options for paying the CalPERS unfunded accrued liability (UAL) obligation. Currently, COMB pays the UAL on a monthly basis. Staff analysis indicated that making a lump sum payment would result in savings of \$2,600 annually. Staff will analyze the cost savings each year to determine the best option for future payment of UALs.

Director Sneddon motioned to approve full lump sum payment of the UAL and Director Hanson seconded. The motion carried with a vote of five in favor and one absent

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

9. RESOLUTION NO. 791 – PROPOSITION 1 (IRWMP) SUBGRANT AGREEMENT WITH SANTA BARBARA COUNTY WATER AGENCY

Ms. Gingras presented Resolution No. 791 for the Board to consider. The adoption of Resolution No. 791 approves the execution of the Proposition 1 (IRWMP) subgrant agreement with the Santa Barbara County Water Agency to secure grant funding for the Secured Pipeline project.

Director Hanson motioned and Director Sneddon seconded to adopt Resolution No. 791 and authorize the Board President to execute the subgrant agreement with the County Water Agency. The motion carried with a vote of five in favor and one absent.

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

10. PROPOSED AMENDMENT TO THE COMB/CVWD COOPERATIVE AGREEMENT

Ms. Gingras introduced the proposed amendment to the cooperative agreement with Carpinteria Valley Water District (CVWD) for Board consideration. The proposed amendment would evenly allocate the total expenditures between the two agencies at \$1.1 million each, with CVWD agreeing to relieve COMB of several tasks and add them to the CVWD work plan. The execution of the amendment would take place following CVWD Board's vote to approve it at their upcoming meeting. As well, the COMB Board thanked CVWD for their assistance and cooperation in the amendment process.

Director Sneddon motioned and Director Hanson seconded the motion to approve the execution of the amendment to the cooperative agreement with Carpinteria Valley Water District. The motion carried with a vote of five in favor and one absent.

Ayes: Sneddon, Hanson and Holcombe

Nays:

Absent: Hayman

Abstain:

11. QUIOTA CREEK 2023 STORM DAMAGE REPAIRS – PROPOSED PROJECT FUNDING AND PERMIT ACQUISITION

Mr. Robinson presented the request for Board approval to pursue funding and permit acquisition for repairs to various fish passage enhancement projects damaged in the 2023 storms.

Mr. Robinson illustrated the damages to the fish passage crossings with before and after photos of the crossings and described the proposed repairs. He recommended submitting a grant application to the Wildlife Conservation Board to fund the repairs described and applying for the necessary permits for all the crossings. He provided support for sole sourcing the repairs.

Director Hanson motioned and Director Sneddon seconded the motion to approve the recommendations as outlined in the staff memorandum, including spending up to \$200,000 available from the Renewal Fund. The motion carried with a vote of five in favor and one absent.

Ayes: Sneddon, Hanson and Holcombe

Nays:

Absent: Hayman

Abstain:

12. GENERAL MANAGER REPORT

- Administration
- U.S. Bureau of Reclamation

Ms. Gringras presented the General Manager report, first reviewing the contracts executed during the prior quarter. She reported that contracts for the annual Scopes of Work for Fisheries Division support will be drafted. Ms. Gringras noted that staff received a \$6,000 invoice from Reclamation for administrative expenses associated with the renewal of the O&M contract. Finally, Ms. Gringras noted that Reclamation asked COMB to facilitate development of a draft study plan (requirement from WRO 2019-048) with the Cachuma Conservation Release Board (CCRB) and downstream interests.

13. ENGINEER'S REPORT

- Climate Conditions
- North Portal Elevator Water Damager
- Lake Cachuma Water Quality and Sediment Management Study
- 2023 Winter Storm Repairs Update
- Infrastructure Improvement Projects Update

Mr. Degner, Engineer/Operations Division Manager, presented the Engineer's Report. He noted that El Niño climate conditions persist. As well, he provided an update on needed repairs to the North Portal elevator shaft due to groundwater intrusion. Mr. Degner advised that sediment core samples had been taken, in conjunction with Lake Cachuma Water Quality and Sediment Management study and are currently under analysis. He summarized ongoing activities to repair damage from the winter storms and noted, in particular the discovery that sediment has clogged the Lauro Stilling Well. Efforts to coordinate debris removal at the Stilling Well are under way. Finally, Mr. Degner reviewed the status of the various Infrastructure Improvement projects.

14. OPERATIONS DIVISION REPORT

Mr. King, Operations Supervisor, presented the Operations Division report. He noted that Reclamation will perform its annual inspections the first week of August. Staff housekeeping and maintenance operations are under way in preparation for the inspection. Mr. King reported that a leaking air vent at Ortega Reservoir had been replaced. Finally, he recapped Aspect Engineering's SCADA maintenance activities and replacement of level transducers at Carpinteria Reservoir.

15. FISHERIES DIVISION REPORT

Mr. Robinson, Fisheries Divisions Manager, presented the Fisheries Division Report. He noted that target flows at Hilton Creek and Highway 154 measuring sites continued to be above the minimums required. Mr. Robinson reported that, as Reclamation reduces flow, staff will ramp up stranding surveys. Finally he confirmed that the spill and availability of surplus water had ended as of June 30th.

16. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

Mr. Robinson, Fisheries Divisions Manager, presented the Progress Report on Lake Cachuma Oak Tree Program. He reported that approximately 22 trees, inundated during the recent storms, were at risk of mortality. Routine watering and weeding continue. Mr. Robinson will monitor tree loss and evaluate any need for replacement trees.

17. MONTHLY CACHUMA PROJECT REPORTS

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

Ms. Gingras noted that the Cachuma Project reports were routine.

18. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

There were no requests from Directors.

19. [CLOSED SESSION]: CONFERENCE WITH LEGAL COUNSEL: POTENTIAL LITIGATION

- a. [Government Code Section 54956.9(d)(1)]
Potential Litigation: Conference with Legal Counsel

The Board adjourned into Closed Session at 2:37 PM.

20. RECONVENE INTO OPEN SESSION

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

19a. Potential Litigation: Conference with Legal Counsel

The Board reconvened in Open Session at 2:58 PM. There was no reportable action.

21. MEETING SCHEDULE

- **Regular Board Meeting – August 28, 2023 at 1:00 PM**
- **Board Packages available on COMB website www.cachuma-board.org**

22. COMB ADJOURNMENT

There being no further business, the meeting was adjourned at 2:59 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 July 31, 2023
UNAUDITED FINANCIALS

July 31, 2023

ASSETS

Current Assets

Checking/Savings

Trust Funds

1210 · Warren Act Trust Fund

\$ 282,898.59

1220 · Renewal Fund

131,758.26

Total Trust Funds

\$ 414,656.85

1050 · General Fund

335,934.10

1100 · Revolving Fund

123,510.80

Total Checking/Savings

874,101.75

Accounts Receivable

1301 · Accounts Receivable

1,570.00

1320 · Quarterly Assessments Receivable

1,022,682.00

Total Accounts Receivable

1,024,252.00

Other Current Assets

1010 · Petty Cash

500.00

1200 · LAIF

1,280,936.57

1303 · Bradbury SOD Act Assessments Receivable

220,819.00

1304 · Lauro Dam SOD Assessments Receivable

33,776.14

1305 · Accrued Interest Receivable

2,152.92

1310 · Miscellaneous Receivable

225,000.00

1400 · Prepaid Insurance

11,512.72

1900 · Deposits

5,868.34

Total Other Current Assets

1,780,565.69

Total Current Assets

3,678,919.44

Fixed Assets

1500 · Vehicles

514,898.60

1505 · Office Furniture & Equipment

258,022.85

1510 · Mobile Offices

424,910.38

1515 · Field Equipment

546,703.62

1525 · Paving

38,351.00

1530 · Construction in Progress

258,766.83

1550 · Accumulated Depreciation

(1,084,071.34)

Total Fixed Assets

957,581.94

Other Assets

1910 · Long Term Bradbury SOD Act Assessments Receivable

3,836,553.07

1920 · Long Term Lauro SOD Act Assessments Receivable

705,536.76

1922 · Deferred Outflow of Resources (GASB 68)

479,670.00

1923 · Deferred Outflow (GASB 75)

761,719.00

Total Other Assets

5,783,478.83

TOTAL ASSETS

\$ 10,419,980.21

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

As of July 31, 2023
UNAUDITED FINANCIALS

July 31, 2023

LIABILITIES & NET POSITION

Liabilities

Current Liabilities

Accounts Payable

2200 · Accounts Payable	59,915.59
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Total Accounts Payable	59,915.59
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Other Current Liabilities

2505 · Accrued Wages	26,770.37
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2510 · Accrued Expenses	14,756.38
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2550 · Vacation/Sick	223,146.58
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2561 · Bradbury Dam SOD Act	220,818.99
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2563 · Lauro Dam SOD Act	33,776.14
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2565 · Accrued Interest SOD Act	40,842.00
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2590 · Deferred Revenue	414,656.85
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Total Other Current Liabilities	974,767.31
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Total Current Liabilities	1,034,682.90
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Long Term Liabilities

2602 · Long Term SOD Act Liability-Bradbury	3,836,543.07
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2603 · Long Term SOD Act Liability - Lauro	705,536.76
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2604 · OPEB Long Term Liability	3,357,104.00
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2610 · Net Pension Liability (GASB 68)	1,162,437.00
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2611 · Deferred Inflow of Resources (GASB 68)	1,102,745.00
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2612 · Deferred Inflow of Resources (GASB 75)	1,140,861.00
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Total Long Term Liabilities	11,305,226.83
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Total Liabilities	12,339,909.73
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Net Position

3000 · Opening Balance Net Position	(5,296,580.05)
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3901 · Retained Net Assets	2,617,919.74
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Net Surplus / Deficit	758,730.79
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Total Net Position	(1,919,929.52)
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TOTAL LIABILITIES & NET POSITION	\$ 10,419,980.21
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Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures (Unaudited)
 Budget vs. Actuals July 2023 - June 2024

	Fisheries				Operations				TOTAL			
	Jul 23	Budget	\$ Over / (Under) Budget	% of Budget	Jul 23	Budget	\$ Over / (Under) Budget	% of Budget	Jul 23	Budget	\$ Over / (Under) Budget	% of Budget
Revenue												
3000 REVENUE												
3001 · O&M Budget (Qtrly Assessments)	\$ 400,266.00	\$ -	\$ 400,266.00	100.0%	\$ 764,488.00	\$ -	\$ 764,488.00	100.0%	\$ 1,164,754.00	\$ -	\$ 1,164,754.00	100.0%
3021 · Grant Income	0.00				480.00	0.00	480.00	100.0%	480.00	0.00	480.00	100.0%
Total 3000 REVENUE	\$ 400,266.00	\$ -	\$ 400,266.00	100.0%	\$ 764,968.00	\$ -	\$ 764,968.00	100.0%	\$ 1,165,234.00	\$ -	\$ 1,165,234.00	100.0%
Expense												
3100 · LABOR - OPERATIONS	\$ -	\$ -	\$ -	0.0%	\$ 133,943.12	\$ 1,220,348.00	\$ (1,086,404.88)	10.98%	\$ 133,943.12	\$ 1,220,348.00	\$ (1,086,404.88)	10.98%
3200 VEH & EQUIPMENT												
3201 · Vehicle/Equip Mtce	0.00				1,748.83	40,000.00	-38,251.17	4.37%	1,748.83	40,000.00	-38,251.17	4.37%
3202 · Fixed Capital	0.00				0.00	200,000.00	-200,000.00	0.0%	0.00	200,000.00	-200,000.00	0.0%
3203 · Equipment Rental	0.00				0.00	40,000.00	-40,000.00	0.0%	0.00	40,000.00	-40,000.00	0.0%
3204 · Miscellaneous	0.00				0.00	10,000.00	-10,000.00	0.0%	0.00	10,000.00	-10,000.00	0.0%
Total 3200 VEH & EQUIPMENT	0.00				1,748.83	290,000.00	-288,251.17	0.6%	1,748.83	290,000.00	-288,251.17	0.6%
3300 · CONTRACT LABOR												
3301 · Conduit, Meter, Valve & Misc	0.00				610.00	35,000.00	-34,390.00	1.74%	610.00	35,000.00	-34,390.00	1.74%
3302 · Buildings & Roads	0.00				1,067.50	25,000.00	-23,932.50	4.27%	1,067.50	25,000.00	-23,932.50	4.27%
3303 · Reservoirs	0.00				2,521.09	60,000.00	-57,478.91	4.2%	2,521.09	60,000.00	-57,478.91	4.2%
3304 · Engineering, Misc Services	0.00				0.00	40,000.00	-40,000.00	0.0%	0.00	40,000.00	-40,000.00	0.0%
Total 3300 · CONTRACT LABOR	0.00				4,198.59	160,000.00	-155,801.41	2.62%	4,198.59	160,000.00	-155,801.41	2.62%
3400 · MATERIALS & SUPPLIES												
3401 · Conduit, Meter, Valve & Misc	0.00				1,301.25	70,000.00	-68,698.75	1.86%	1,301.25	70,000.00	-68,698.75	1.86%
3402 · Buildings & Roads	0.00				0.00	20,000.00	-20,000.00	0.0%	0.00	20,000.00	-20,000.00	0.0%
3403 · Reservoirs	0.00				0.00	10,000.00	-10,000.00	0.0%	0.00	10,000.00	-10,000.00	0.0%
Total 3400 · MATERIALS & SUPPLIES	0.00				1,301.25	100,000.00	-98,698.75	1.3%	1,301.25	100,000.00	-98,698.75	1.3%
3500 · OTHER EXPENSES												
3501 · Utilities	0.00				362.47	7,000.00	-6,637.53	5.18%	362.47	7,000.00	-6,637.53	5.18%
3502 · Uniforms	0.00				0.00	5,750.00	-5,750.00	0.0%	0.00	5,750.00	-5,750.00	0.0%
3503 · Communications	0.00				291.30	15,800.00	-15,508.70	1.84%	291.30	15,800.00	-15,508.70	1.84%
3504 · USA & Other Services	0.00				789.74	7,250.00	-6,460.26	10.89%	789.74	7,250.00	-6,460.26	10.89%
3505 · Miscellaneous	0.00				606.78	12,000.00	-11,393.22	5.06%	606.78	12,000.00	-11,393.22	5.06%
3506 · Training	0.00				0.00	3,000.00	-3,000.00	0.0%	0.00	3,000.00	-3,000.00	0.0%
3507 · Permits	0.00				0.00	25,000.00	-25,000.00	0.0%	0.00	25,000.00	-25,000.00	0.0%
Total 3500 · OTHER EXPENSES	0.00				2,050.29	75,800.00	-73,749.71	2.71%	2,050.29	75,800.00	-73,749.71	2.71%
4100 · LABOR - FISHERIES	94,924.97	824,382.00	-729,457.03	11.52%	0.00				94,924.97	824,382.00	-729,457.03	11.52%
4200 · VEHICLES & EQUIP - FISHERIES												
4270 · Vehicle/Equip Mtce	1,267.41	30,000.00	-28,732.59	4.23%	0.00				1,267.41	30,000.00	-28,732.59	4.23%
4280 · Fixed Capital	0.00	20,000.00	-20,000.00	0.0%	0.00				0.00	20,000.00	-20,000.00	0.0%
4290 · Miscellaneous	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%
Total 4200 · VEHICLES & EQUIP - FISHERIES	1,267.41	52,500.00	-51,232.59	2.41%	0.00				1,267.41	52,500.00	-51,232.59	2.41%

**Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures (Unaudited)**

Budget vs. Actuals July 2023 - June 2024

	Fisheries				Operations				TOTAL			
	Jul 23	Budget	\$ Over / (Under) Budget	% of Budget	Jul 23	Budget	\$ Over / (Under) Budget	% of Budget	Jul 23	Budget	\$ Over / (Under) Budget	% of Budget
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	0.00	11,100.00	-11,100.00	0.0%	0.00				0.00	11,100.00	-11,100.00	0.0%
Total 4220 · CONTRACT LABOR - FISHERIES	321.43	14,100.00	-13,778.57	2.28%	0.00				321.43	14,100.00	-13,778.57	2.28%
4300 · MATERIALS/SUPPLIES - FISHERIES												
4390 · Miscellaneous	0.00	8,000.00	-8,000.00	0.0%	0.00				0.00	8,000.00	-8,000.00	0.0%
Total 4300 · MATERIALS/SUPPLIES - FISHERIES	0.00	8,000.00	-8,000.00	0.0%	0.00				0.00	8,000.00	-8,000.00	0.0%
4500 · OTHER EXPENSES - FISHERIES												
4503 · Permits	0.00	5,000.00	-5,000.00	0.0%	0.00				0.00	5,000.00	-5,000.00	0.0%
4502 · Uniforms	221.85	5,000.00	-4,778.15	4.44%	0.00				221.85	5,000.00	-4,778.15	4.44%
Total 4500 · OTHER EXPENSES - FISHERIES	221.85	10,000.00	-9,778.15	2.22%	0.00				221.85	10,000.00	-9,778.15	2.22%
4999 · GENERAL & ADMINISTRATIVE												
5000 · Director Fees	0.00				887.25	12,400.00	-11,512.75	7.16%	887.25	12,400.00	-11,512.75	7.16%
5001 · Director Mileage	0.00				52.43	600.00	-547.57	8.74%	52.43	600.00	-547.57	8.74%
5100 · Legal	0.00				2,973.90	75,000.00	-72,026.10	3.97%	2,973.90	75,000.00	-72,026.10	3.97%
5101 · Audit	0.00				0.00	22,750.00	-22,750.00	0.0%	0.00	22,750.00	-22,750.00	0.0%
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				7,804.04	39,400.00	-31,595.96	19.81%	7,804.04	39,400.00	-31,595.96	19.81%
5310 · Postage/Office Exp	0.00				295.52	6,000.00	-5,704.48	4.93%	295.52	6,000.00	-5,704.48	4.93%
5311 · Office Equip/Leases	0.00				329.96	13,440.00	-13,110.04	2.46%	329.96	13,440.00	-13,110.04	2.46%
5312 · Misc Admin Expenses	0.00				461.29	11,000.00	-10,538.71	4.19%	461.29	11,000.00	-10,538.71	4.19%
5313 · Communications	0.00				698.72	9,500.00	-8,801.28	7.36%	698.72	9,500.00	-8,801.28	7.36%
5314 · Utilities	0.00				0.00	9,735.00	-9,735.00	0.0%	0.00	9,735.00	-9,735.00	0.0%
5315 · Membership Dues	0.00				0.00	11,700.00	-11,700.00	0.0%	0.00	11,700.00	-11,700.00	0.0%
5316 · Admin Fixed Assets	0.00				0.00	12,000.00	-12,000.00	0.0%	0.00	12,000.00	-12,000.00	0.0%
5318 · Computer Consultant	0.00				0.00	25,000.00	-25,000.00	0.0%	0.00	25,000.00	-25,000.00	0.0%
5325 · Emp Training/Subscriptions	0.00				0.00	2,000.00	-2,000.00	0.0%	0.00	2,000.00	-2,000.00	0.0%
5330 · Admin Travel	0.00				0.00	3,500.00	-3,500.00	0.0%	0.00	3,500.00	-3,500.00	0.0%
5331 · Public Information	0.00				0.00	3,500.00	-3,500.00	0.0%	0.00	3,500.00	-3,500.00	0.0%
Total 4999 · GENERAL & ADMINISTRATIVE	0.00				13,503.11	262,525.00	-249,021.89	5.14%	13,503.11	262,525.00	-249,021.89	5.14%
5299 · ADMIN LABOR	0.00				121,402.61	670,202.00	-548,799.39	18.11%	121,402.61	670,202.00	-548,799.39	18.11%
5400 · GENERAL & ADMIN - FISHERIES												
5407 · Legal - FD	2,132.10	25,000.00	-22,867.90	8.53%	0.00				2,132.10	25,000.00	-22,867.90	8.53%
5410 · Postage / Office Supplies	77.73	4,000.00	-3,922.27	1.94%	0.00				77.73	4,000.00	-3,922.27	1.94%
5411 · Office Equipment / Leases	177.66	8,533.00	-8,355.34	2.08%	0.00				177.66	8,533.00	-8,355.34	2.08%
5412 · Misc. Admin Expense	232.36	7,500.00	-7,267.64	3.1%	0.00				232.36	7,500.00	-7,267.64	3.1%
5413 · Communications	376.23	4,455.00	-4,078.77	8.45%	0.00				376.23	4,455.00	-4,078.77	8.45%
5414 · Utilities	0.00	5,243.00	-5,243.00	0.0%	0.00				0.00	5,243.00	-5,243.00	0.0%
5415 · Membership Dues	0.00	7,200.00	-7,200.00	0.0%	0.00				0.00	7,200.00	-7,200.00	0.0%
5416 · Admin Fixed Assets	0.00	5,000.00	-5,000.00	0.0%	0.00				0.00	5,000.00	-5,000.00	0.0%
5418 · Computer Consultant	0.00	15,000.00	-15,000.00	0.0%	0.00				0.00	15,000.00	-15,000.00	0.0%
5425 · Employee Education/Subscription	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%
5426 · Director Fees	477.75	6,700.00	-6,222.25	7.13%	0.00				477.75	6,700.00	-6,222.25	7.13%
5427 · Director Mileage	28.24	300.00	-271.76	9.41%	0.00				28.24	300.00	-271.76	9.41%
5430 · Travel	0.00	4,000.00	-4,000.00	0.0%	0.00				0.00	4,000.00	-4,000.00	0.0%

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

	Fisheries				Operations				TOTAL			
	Jul 23	Budget	\$ Over / (Under) Budget	% of Budget	Jul 23	Budget	\$ Over / (Under) Budget	% of Budget	Jul 23	Budget	\$ Over / (Under) Budget	% of Budget
5431 · Public Information	0.00	1,500.00	-1,500.00	0.0%	0.00				0.00	1,500.00	-1,500.00	0.0%
5441 · Audit	0.00	12,250.00	-12,250.00	0.0%	0.00				0.00	12,250.00	-12,250.00	0.0%
5443 · Liab & Property Ins	4,202.17	22,000.00	-17,797.83	19.1%	0.00				4,202.17	22,000.00	-17,797.83	19.1%
Total 5400 · GENERAL & ADMIN - FISHERIES	7,704.24	131,181.00	-123,476.76	5.87%	0.00				7,704.24	131,181.00	-123,476.76	5.87%
5499 · ADMIN LABOR-FISHERIES	23,420.44	296,750.00	-273,329.56	7.89%	0.00				23,420.44	296,750.00	-273,329.56	7.89%
5510 · Integrated Reg. Water Mgt Plan	0.00				0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
6199 · SPECIAL PROJECTS	0.00				480.00	1,370,000.00	-1,369,520.00	0.04%	480.00	1,370,000.00	-1,369,520.00	0.04%
6097 · GIS and Mapping	0.00				0.00	10,000.00	-10,000.00	0.0%	0.00	10,000.00	-10,000.00	0.0%
6105 · ROW Management Program	0.00				0.00	20,000.00	-20,000.00	0.0%	0.00	20,000.00	-20,000.00	0.0%
6110 · SCADA Improvements & Support	0.00				0.00	35,000.00	-35,000.00	0.0%	0.00	35,000.00	-35,000.00	0.0%
6115 · COMB Blding Improvemnts & Maint	0.00				480.00	80,000.00	-79,520.00	0.6%	480.00	80,000.00	-79,520.00	0.6%
6125 · 2023 Winter Storm Repairs	0.00				0.00	1,175,000.00	-1,175,000.00	0.0%	0.00	1,175,000.00	-1,175,000.00	0.0%
6138 · Cachuma Watershed Mgmt Study	0.00				0.00	50,000.00	-50,000.00	0.0%	0.00	50,000.00	-50,000.00	0.0%
Total 6199 · SPECIAL PROJECTS	0.00				480.00	1,370,000.00	-1,369,520.00	0.04%	480.00	1,370,000.00	-1,369,520.00	0.04%
6000 · INFRASTRUCTURE IMPROVEMENT PROJ	0.00				0.00	1,300,000.00	-1,300,000.00	0.0%	0.00	1,300,000.00	-1,300,000.00	0.0%
6096 · SCC Structure Rehabilitation	0.00				0.00	200,000.00	-200,000.00	0.0%	0.00	200,000.00	-200,000.00	0.0%
6136 · SCC Isolation Valve Evaluation	0.00				0.00	550,000.00	-550,000.00	0.0%	0.00	550,000.00	-550,000.00	0.0%
6137 · SCC Lower Reach Lateral Structu	0.00				0.00	550,000.00	-550,000.00	0.0%	0.00	550,000.00	-550,000.00	0.0%
Total 6000 · INFRASTRUCTURE IMPROVEMENT PROJ	0.00				0.00	1,300,000.00	-1,300,000.00	0.0%	0.00	1,300,000.00	-1,300,000.00	0.0%
6200 · PROGRAM SUPPORT SERVICES	0.00				0.00				0.00			
6201 · FMP Implementation	0.00	42,000.00	-42,000.00	0.0%	0.00				0.00	42,000.00	-42,000.00	0.0%
6202 · GIS and Mapping	0.00	10,000.00	-10,000.00	0.0%	0.00				0.00	10,000.00	-10,000.00	0.0%
6205 · USGS Stream Gauge Program	0.00	120,000.00	-120,000.00	0.0%	0.00				0.00	120,000.00	-120,000.00	0.0%
Total 6200 · PROGRAM SUPPORT SERVICES	0.00	172,000.00	-172,000.00	0.0%	0.00				0.00	172,000.00	-172,000.00	0.0%
6300 · HABITAT IMPROVEMENT PROJECTS	15.07				0.00				15.07			
6207 · Oak Tree Restoration Program	15.07	15,000.00	-14,984.93	0.1%	0.00				15.07	15,000.00	-14,984.93	0.1%
6303 · Tributary Projects Support	0.00	10,000.00	-10,000.00	0.0%	0.00				0.00	10,000.00	-10,000.00	0.0%
Total 6300 · HABITAT IMPROVEMENT PROJECTS	15.07	25,000.00	-24,984.93	0.06%	0.00				15.07	25,000.00	-24,984.93	0.06%
Total Expense	\$ 127,875.41	\$ 1,533,913.00	\$ (1,406,037.59)	8.34%	\$ 278,627.80	\$ 5,453,875.00	\$ (5,175,247.20)	5.11%	\$ 406,503.21	\$ 6,987,788.00	\$ (6,581,284.79)	5.82%
Net Surplus / Deficit	\$ 272,390.59	\$ (1,533,913.00)	\$ 1,806,303.59	-17.76%	\$ 486,340.20	\$ (5,453,875.00)	\$ 5,940,215.20	-8.92%	\$ 758,730.79	\$ (6,987,788.00)	\$ 7,746,518.79	-10.86%

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	August 28, 2023
Submitted by:	Janet Gingras

SUBJECT: Investment Report – July 31, 2023

RECOMMENDATION

The Board of Directors receive and file the Cachuma Operation & Maintenance Board Investment Report as of July 31, 2023.

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 July 2023, is reported at 3.305%.

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

Table 1			
Unrestricted Reserve Funds			
Local Agency Investment Fund (LAIF)			
	6/30/2023	\$	1,491,059.01
(+) Deposits/Credits			12,877.56
(-) Checks/Withdrawals			(223,000.00)
Statement Balance	7/31/2023	\$	1,280,936.57

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	6/30/2023	\$	42,217.26
(+) Deposits/Credits			73,486.00
(-) Checks/Withdrawals			-
Statement Balance	7/31/2023	\$	115,703.26
American Riviera Bank Warren Act Trust Fund			
Previous Balance	6/30/2023	\$	282,898.59
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	7/31/2023	\$	282,898.59

STATEMENT

The above statement of investment activity for the month of July 2023, 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 July 31, 2023

Date	Num	Name	Memo	Amount
1050 - General Fund				
07/03/2023	30214	ACWA-Joint Powers Insurance Authority	Insurance Excess Crime Annual premium	-782.00
07/03/2023	30215	American Riviera Bank - Card Service	Website, Acrobat, Recruitment, Lodging/Staff Training, Supplies (Ops & Fisheries)	-2,347.02
07/03/2023	30216	Aspect Engineering Group	SCADA Improvements & Support - Boundary Meter Updares and Install UPS's	-4,360.86
07/03/2023	30217	Association of Ca Water Agencies/JPIA	June 2023 Health Benefits Premium	-26,609.68
07/03/2023	30218	CMRS-FP	Deposit of Funds to Postage Account	-300.00
07/03/2023	30219	Cori Hayman	Director Meeting Fees June 2023	-208.10
07/03/2023	30220	ECHO Communications	Message Service July 2023	-87.00
07/03/2023	30221	Federal Express	Shipping (Ops)	-31.27
07/03/2023	30222	Frontier Communications	Phone Service - Main Office Land Lines	-100.65
07/03/2023	30223	Frontier Communications	Phone Service - North Portal	-66.30
07/03/2023	30224	Hayward Santa Barbara	Truck Mount Toolbox	-235.75
07/03/2023	30225	ID Works	Uniform Shirts & Hats - Logo Embroidery	-999.96
07/03/2023	30226	Illumina, Inc.	BiOp Genetic Testing (Fisheries)	-14,434.27
07/03/2023	30227	Kristen Sneddon	Director Meeting Fees June 2023	-400.86
07/03/2023	30228	Lauren W. Hanson	Director Meeting Fees June 2023	-604.65
07/03/2023	30229	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 5/12/23 & 5/26/23 - Reissued	-230.40
07/03/2023	30230	Polly Holcombe	Director Meeting Fees June 2023	-854.12
07/03/2023	30231	Port Hueneme Marine Supply Co., Inc.	Supplies (Ops)	-998.02
07/03/2023	30232	Sansum Clinic-Occupational Medicine	Pre-Employment Physical - Admin Assistant II	-278.00
07/03/2023	30233	Southern California Edison	Electricity - Outlying Stations (Ops)	-0.88
07/03/2023	30234	Staples Business Credit	Office Supplies (Ops & Fisheries)	-602.34
07/03/2023	30235	Wells Fargo Vendor Fin Serv	Copier Lease Kyocera Taskalfa 6254ci	-303.41
07/10/2023	30236	Agri-Turf Supplies, Inc.	Gas Pole Pruner - (Ops)	-837.36
07/10/2023	30237	Association of Ca Water Agencies/JPIA	August 2023 Health Benefits Premium	-27,368.88
07/10/2023	30238	AT&T	Long Distance Service - June 2023	-38.34
07/10/2023	30239	City of Santa-Barbara	Trash & Recycling June 2023	-358.17
07/10/2023	30240	Coastal Copy, Inc.	Copier Maintenance - Kyocera Taskalfas 3253ci & 6054ci	-492.63
07/10/2023	30241	Cox Communications Santa Barbara	Business Internet July 2023	-195.44
07/10/2023	30242	Employee Relations, Inc.	Pre-Employment Background Check (Ops & Fisheries)	-84.57
07/10/2023	30243	FP Mailing Solutions	Postage Meter Rental (Ops & Fisheries)	-195.75
07/10/2023	30244	Grainger	Materials and Supplies (Ops)	-58.39
07/10/2023	30245	Harrison Hardware	Supplies (Fisheries)	-101.25
07/10/2023	30246	Home Depot Credit Services	Supplies (Ops)	-869.58
07/10/2023	30247	Rayne of Santa Barbara Inc	July RO Rental	-33.00
07/10/2023	30248	Tri-Co Reprographics	Large Format Scanning (Ops)	-29.75
07/10/2023	30249	Turenchalk Network Services, Inc.	Network Suport June 2023 (Ops & Fisheries)	-4,425.61
07/10/2023	30250	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee	-150.00
07/10/2023	30251	WEX Fleet Universal	Fleet Fuel June 2023	-2,597.57
07/10/2023	30252	Winema Industrial & Safety Supply	First Aid Training & Certification Cards	-1,382.75
07/10/2023	30253	Zac Gonzalez Landscaping & Tree Care	Landscape Maintenance June 2023	-480.00
07/17/2023	30254	ACWA-Joint Powers Insurance Authority	Workers Compensation Program 04/01/2023 - 06/30/2023	-7,079.95
07/17/2023	30255	Aspect Engineering Group	SCADA Improvements & Support - Server Maintenance	-3,839.20
07/17/2023	30257	County of Santa--Barbara	Waste Disposal Fee (Ops)	-25.00
07/17/2023	30258	Federal Express	Shipping (Ops)	-213.51
07/17/2023	30259	Flowers & Associates, Inc.	2023 Winter Storm Damager Repair Design- Engineering Services	-12,638.50
07/17/2023	30260	Geosyntec Consultants	Lake Cachuma Water Quality & Sediment Study - Professional Services	-28,664.57
07/17/2023	30261	HDR Engineering, Inc.	FMP Implementation & Tributary Support - Engineering Services	-8,753.50
07/17/2023	30262	Impulse Advanced Communications	Phone Service - Main Office	-879.51
07/17/2023	30263	J&C Services	Office Cleaning Service - June 2023	-510.00
07/17/2023	30264	LimnoTech	Lake Cachuma Water Quality Study - Water Quality Buoy	-1,003.41
07/17/2023	30265	LoopUp, LLC	Conference Calls May 2023	-26.62
07/17/2023	30266	Pacific Coast Jiffy Lube	2019 Ford F-150 Routine Service	-170.15
07/17/2023	30267	SB Home Improvement Center	Supplies (Ops)	-93.45
07/17/2023	30268	Sparkletts	Operations Safety	-66.92
07/17/2023	30269	Tri-County Locksmiths, Inc	Door Lock Repair & Key Duplication	-378.95
07/17/2023	30270	Verizon Wireless	Cellular Service (Ops)	-651.88
07/24/2023	30271	Cushman Contracting Corp.	EPFP Pumping System	-3,500.00
07/24/2023	30272	Federal Express	Shipping (Ops)	-288.68
07/24/2023	30273	Ian's Tire & Auto Repair	Water Trailer - Tire Repair (FD) 2012 Chevy Silverado - Oil Change (Ops)	-121.17
07/24/2023	30274	MarBorg Industries	Portable Facilities - Outlying Stations (Ops)	-423.76
07/24/2023	30275	Onset Computer Corporation	Replacements DO Sensor Cap HOBO Water Sensor (Fisheries)	-321.43
07/24/2023	30276	PG&E	Electricity - Tecolote Tunnel	-27.16
07/24/2023	30277	Port Hueneme Marine Supply Co., Inc.	Supplies (Ops)	-239.24
07/24/2023	30278	Stewart's & Selzer Plumbing	Sheffield Control Station - Jet lines	-610.00
07/24/2023	30279	United States Geological Survey	USGS Quarterly Joint Funding Agreement 4/1/23-06/30/23	-30,205.00
07/24/2023	30280	Verizon Wireless	Cellular Service - Wireless Modems (Ops)	-266.29
07/24/2023	30281	Verizon Wireless	Operations Cell Phones & iPads	-385.67
07/31/2023	30282	A-OK Power Equipment-SB	Equipment (Ops)	-172.86
07/31/2023	30283	Bend Genetics, LLC	Lake Cachuma Water Quality Sampling	-320.00
07/31/2023	30284	County of SB-Public Works Water Agency	IRWM Program MOU Cost Share 01/1/23 - 06/30/23	-949.08

Cachuma Operation & Maintenance Board
Paid Claims
As of July 31, 2023

Date	Num	Name	Memo	Amount
07/31/2023	30285	Kristen Sneddon	Director Meeting Fees July 2023	-200.43
07/31/2023	30286	Lauren W. Hanson	Director Meeting Fees July 2023	-604.65
07/31/2023	30287	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 7/5 & 7/19	-242.00
07/31/2023	30288	PG&E	Electricity - North Portal	-398.18
07/31/2023	30289	Polly Holcombe	Director Meeting Fees July 2023	-640.59
07/31/2023	30290	Southern California Edison	Electricity - Main Office & Outlying Stations	-1,381.10
07/31/2023	30291	Staples Business Credit	Office Supplies (Ops & Fisheries)	-58.98
07/31/2023	30292	Wells Fargo Vendor Fin Serv	Copier Lease Kyocera Taskalfa 3253ci	-182.10
07/31/2023	30293	Zac Gonzalez Landscaping & Tree Care	Landscape Maintenance July 2023	-480.00
Total 1050 · General Fund				<u>-201,548.07</u>
TOTAL				<u>-201,548.07</u>

Approved for Payment

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CACHUMA OPERATION & MAINTENANCE BOARD

Operations Committee Meeting

held at

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

Tuesday, August 22, 2023

10:00 AM

AGENDA

Chair: Director Sneddon

Member: Director Holcombe

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
2. Public Comment (*Public may address the Committee on any subject matter on the agenda and within the Committee's jurisdiction*)
3. 2023 Storm Damage – Lauro Reservoir Bypass Channel Construction Bid (*for information and possible recommendation*)
4. Projects/Inspections Update (*for information*)
 - County-wide Debris Removal
 - Lauro Stilling Well Debris Removal
 - North Portal Elevator
 - Structure Rehabilitation Project
5. U. S. Bureau of Reclamation (*for information*)
 - Dam Inspections
 - Hazard Mitigation Audit
 - Reclamation Facilities
6. Adjournment

NOTICE TO THE PUBLIC

Public Comment: The public is welcome to attend and observe the meeting. 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 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:	August 28, 2023
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

SUBJECT: Financial Review – 4th Quarter Fiscal Year 2022-23

RECOMMENDATION:

The Board of Directors receive a presentation on the 4th Quarter Fiscal Year (FY) 2022-23 Financial Review and file.

DISCUSSION:

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

For FY 2022-23, COMB adjusted the collection of quarterly assessments based on project implementation and projected cash outflows, as follows:

Table 1
COMB Quarterly Budget Assessments FY 2022-23

Q1	Q2	Q3	Q4	Total
\$ 2,410,476	\$ 688,990	\$ 1,919,406	\$ 1,085,656	\$ 6,104,528
39%	11%	31%	18%	100%

FISCAL ANALYSIS:

Revenues Collected

- COMB collected \$1.1M from the State of California Department of Water Resources as grant reimbursement under the Urban and Multi Benefit Drought Relief Grant program. Funds from this grant were applied to the Lake Cachuma Secured Pipeline project.
- COMB assessed and collected \$1.1M in quarterly O&M Budget Assessments for the period April - June 2023.
- COMB collected \$15K from a non-member agency as reimbursement for 2000 BiOp and Oak Tree Mitigation activities performed during April - June 2023.
- COMB earned \$7.3K in interest income for funds held with LAIF.

General and Administrative (Combined)

- General and Administrative Expenses include costs for support of all administrative functions of COMB such as: Director fees, legal expenditures, general liability and property insurance, audit fees, temporary/contract labor, utilities, IT and communications, postage and office supplies, training, education and subscriptions and miscellaneous expenses. Costs are generally allocated between Operations and Maintenance (65%) and Fisheries Division (35%). General and Administrative expenses totaled \$315.6K (83.7%) and are within budget.
- General and Administrative Labor includes salaries, employer-paid payroll taxes, health insurance and retirement benefit costs for the COMB General Manager and Administrative staff. General and Administrative Labor expenses totaled \$751.7K (83.0%) and are within budget.

Operations Division

- Operation and Maintenance Labor includes salaries, employer-paid payroll taxes, health insurance and retirement benefit costs. Actual personnel costs of \$919.3K (84.3%) are within budget.
- Vehicles & Equipment includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Actual costs of \$165.3K (80.6%) are within budget. Notable expenses include the purchase of 2023 Ford F-750 dump truck in the amount of \$117.1K.
- Contract Labor contains funds for outside services and labor that cannot be supported by COMB staff such as water quality sampling, elevator maintenance or repair, tree trimming and removal services, heavy equipment and operators' labor costs for various small projects including meter calibration and meter repair. Actual costs of \$70.6K (54.3%) are within budget. Projects and staff assignments are reviewed closely by the COMB General Manager and Operations Division Manager to control costs in this category.
- Materials and Supplies covers costs related to the operation and maintenance of the conduit, reservoirs, and outlying buildings and roads. Actual costs of \$63.2K (74.4%) are under budget.
- Other Expenses include utilities, uniforms, hazardous waste disposal, communications (phones at facilities, and cell phones for operations and maintenance), Underground Service Alerts, and employee training and certifications. Actual costs of \$58.1K (114.4%) are higher than the apportioned budget due to unanticipated permit fees assessed by the State of California Drinking Water Program (\$15.6k).
- Special Projects includes costs related to water quality and sediment management, COMB building improvements and maintenance, SCADA improvements and support, right of way identification program and GIS and mapping. Actuals costs of \$220.5K (133.6%) are higher than budget. This amount includes unanticipated costs related to the 2023 Winter Storm repairs (\$54.1K). COMB is pursuing reimbursement for these costs with FEMA/CalOES.
- Infrastructure Improvement Projects - Board policy requires that all infrastructure improvement projects be approved through Committee and by the Board prior to commencement. Actual costs totaled \$5.0M. This amount is attributed to the Lake Cachuma Secured Pipeline project (\$4.5M), South Coast Conduit Structure Rehab – Schedule F (\$355.5k), South Coast Conduit Isolation Valve project (\$46.3K) and the Lauro Emergency AVAR Repair and San Roque Rehab project (\$34.3k). The timing and ranking of projects are dependent on factors such as: (1) water supply reliability, (2) risk, (3) critical need/life cycle of asset, (4) safety, and (5) service disruption necessary to accomplish project. To date, COMB has received grant reimbursements totaling \$3.0M from the California Department of Water Resources Urban and Multi-Benefit Drought Relief program and the U.S. Bureau of Reclamation WaterSmart Grant program for the Lake Cachuma Secured Pipeline project.
- **The total Operations Division expenses of \$7.2M (84.9%) for FY 2022-23 are within budget.**

- **The Operations Division expenses by quarter for FY 2022-23 are reflected in Table 2:**

Table 2
Operations Division

	Actual Jul-Sep	Actual Oct-Dec	Actual Jan-Mar	Actual Apr-Jun	Annual Projected	Annual Budget	Over / (Under) Budget (\$)	% of Budget
Revenue								
Revenue	\$ 2,788,999	\$ 2,203,856	\$ 1,876,420	\$ 1,130,021	\$ 7,999,296	\$ 8,501,331	\$ (502,035)	94.1%
Expense								
General and Admin Expenses	40,908	84,284	59,978	33,851	219,021	253,703	(34,682)	86.3%
General and Admin Labor	152,031	122,395	136,425	118,585	529,437	631,303	(101,866)	83.9%
O&M Labor	254,251	209,734	252,387	202,920	919,290	1,090,525	(171,235)	84.3%
O&M Vehicle & Equip	10,648	12,766	129,516	12,350	165,280	205,000	(39,720)	80.6%
O&M Contract Labor	4,290	13,255	12,683	40,383	70,611	130,000	(59,389)	54.3%
O&M Material and Supplies	6,383	15,889	27,085	13,860	63,217	85,000	(21,783)	74.4%
O&M Other Expenses	9,455	9,211	25,262	14,173	58,102	50,800	7,302	114.4%
Special Projects	13,305	13,191	43,398	150,577	220,470	165,000	55,470	84.4%
Infrastructure Improvement Proj	1,824,993	1,426,545	1,301,607	418,805	4,971,950	5,890,000	(918,050)	84.4%
Total Expense	\$ 2,316,264	\$ 1,907,270	\$ 1,988,341	\$ 1,005,504	\$ 7,217,379	\$ 8,501,331	\$ (1,283,952)	84.9%
Net Surplus / (Deficit)	\$ 472,735	\$ 296,586	\$ (111,921)	\$ 124,518	\$ 781,917	\$ -	\$ 781,917	

Note: Results are unaudited and subject to change.

Fisheries Division

- **Fisheries Division Labor** includes salaries, employer-paid payroll taxes, health insurance and retirement benefit costs for the Fisheries Division Manager, two Senior Field Biologists, a Biologist Aide position, and four part-time seasonal positions. Personnel costs of \$709.6K (90.3%) are within budget.
- **Vehicles & Equipment** includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Actual costs of \$144.1K (117.6%) are higher than budget. Notable expenses in this category include the purchase of 2023 Ford F150 Lightning electric fleet vehicle (\$97.4k) and unanticipated major service/repairs to the Fisheries water truck (\$12.3k).
- **Contract Labor** contains funds for outside services/labor to support equipment calibration on flow meters, and funds for technical assistance corresponding to the operation, maintenance and performance review of completed fish passage projects. Actual costs of \$5.7K (40.2%) are within budget. Contract services are reviewed by the COMB General Manager and Fisheries Division Manager to control costs in this category.
- **Materials and Supplies** includes costs for the purchase of items needed for the Fisheries Monitoring Program specifically for migration, spawning and over-summering, constructing and repairing fish migration traps and the equipment necessary to conduct snorkel and redds surveys. Actual costs of \$11.1K (158.6%) are higher than budget. Notable expenses include unanticipated costs related to the 2023 Winter Storm repairs (\$3.4K).
- **Other Expenses** includes funds to pay for uniforms and gear for the fisheries division employees. Actual costs of \$2.1K (41.9%) are within budget.
- **Fisheries Division Activities** includes funding for special activities related to ongoing Cachuma Project Biological Opinion (BiOp) compliance efforts, the implementation of the Lower Santa Ynez River Fisheries Monitoring Program (FMP), GIS mapping, and the USGS Stream Gauge Program. The use of external consultants and the timing of expenditures can vary year-to-year based on specific program needs or as particular stream or habitat issues arise. Actual costs of \$142.9K (91.0%) are within budget.

- Fisheries Habitat Improvement – includes funds for the Oak Tree Restoration Program and Tributary Project Improvements. Actual costs of \$23.0K (82.1%) are under budget.
- **The total Fisheries Division expenses of \$1.4M (89.8%) for FY 2022-23 are within budget.**
- **The Fisheries Division expenses by quarter for FY 2022-23 are reflected in Table 3 below:**

Table 3
Fisheries Division

	Actual Jul-Sep	Actual Oct-Dec	Actual Jan-Mar	Actual Apr-Jun	Annual Projected	Annual Budget	Over/(Under) Budget (\$)	% of Budget
Revenue								
Revenue	\$ 369,149	\$ 426,393	\$ 557,350	\$ 75,654	\$ 1,428,547	\$ 1,517,212	\$ (88,666)	94.2%
Expense								
General and Admin Expenses	19,857	37,069	16,368	23,281	96,574	123,426	(26,852)	78.2%
General and Admin Labor	60,522	49,948	58,263	53,507	222,241	274,622	(52,381)	80.9%
Fisheries Labor	197,992	158,510	191,087	161,993	709,582	785,564	(75,982)	90.3%
Fisheries Vehicle & Equip	6,634	7,023	102,918	27,514	144,089	122,500	21,589	117.6%
Fisheries Contract Labor	-	-	4,921	749	5,670	14,100	(8,430)	40.2%
Fisheries Material and Supplies	1,704	964	1,411	7,025	11,105	7,000	4,105	158.6%
Fisheries Other Expenses	-	360	451	1,283	2,094	5,000	(2,906)	41.9%
Fisheries Activities	22,565	2,863	39,826	77,622	142,876	157,000	(14,124)	91.0%
Fisheries Habitat Enhancement	377	695	3,219	18,709	22,999	28,000	(5,001)	82.1%
Total Expense	\$ 309,652	\$ 257,432	\$ 418,464	\$ 371,683	\$ 1,357,231	\$ 1,517,212	\$ (159,981)	89.5%
Net Surplus / (Deficit)	\$ 59,497	\$ 168,961	\$ 138,887	\$ (296,029)	\$ 71,316	\$ -	\$ 71,316	

Note: Results are unaudited and subject to change.

Restricted Funds and Obligations

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

COMB collected \$118K of Warren Act Trust Fund payments from CCWA for SWP deliveries that occurred in calendar year 2021. These funds were reviewed and approved at the annual Cachuma Project Warren Act Trust Fund and Renewal Fund meeting for use in FY 2022-23.

In calendar year 2022, COMB collected \$210,786 of Warren Act Trust Fund payments from CCWA. These funds will be reviewed at the next Cachuma Project Warren Act Trust Fund and Renewal Fund meeting for use in FY 2023-24.

- **Renewal Funds (Restricted Fund)** - The Renewal Fund is a requirement of the 1995 Renewal Master Contract (Contract No. 175r-1802R between the United States and Santa Barbara County Water Agency) entered into for water conveyance from the Cachuma Project to the five Cachuma Project Member Units. The Member Units are the Carpinteria Valley Water District, the Goleta Water District, the Montecito Water District, the City of Santa Barbara, and the Santa Ynez River Water Conservation District, Improvement District No. 1 (ID No. 1).

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

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

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

On September 30, 2022, Michael Jackson, SCCAO Area Manager (U.S. Bureau of Reclamation) provided notice of the WY 2022-23 allocation for the Cachuma Project to be set at 0% of the maximum contract total based on current reservoir levels, existing carryover balances and forecast data.

As a result of the reduced allocation for WY 2022-23, the aggregate amount to be deposited into the Renewal Fund has been calculated based on Sub Article 27 (e)(2) of the Renewal Master Contract, as follows:

\$10 x Acre-Foot of Project Water Scheduled for Delivery, or

$$\text{\$10} \times (25,714 \text{ AF} \times 0\%) = \text{\$0}$$

In January 2023, Santa Barbara County experienced a series of four rain events that resulted in approximately 130,000 acre-feet of inflow and 2,700 acre-feet of rainfall on the lake. Inflow continued throughout February, supplemented by two smaller precipitation events in late January and early February, which resulted in an additional 6,400 acre-feet of inflow from the 1st to the 16th of February. These storms caused flow to occur in the Santa Ynez River, Santa Cruz Creek, and other tributaries, which raised Lake Cachuma by 60 feet until it reached its capacity of 753 feet on the 16th of February.

On February 26th, Reclamation notified the Santa Barbara County Water Agency and the Cachuma Project Member Agencies that their mid-year allocation request of 100% was approved. As a result of the increased allocation, the aggregate amount to be collected from the Cachuma Project Member Units will be revised pursuant to Sub Article 27 (e)(3) of the Renewal Master Contract, as follows:

Given:	WATF = \$118,293
	AOY = Annual Operation Yield of 25,714 x \$10 = \$257,100
	RFC = Renewal Fund Calculation = [1-(WATF/\$300,000) x AOY
Then:	RFC = [1-(\$118,293/\$300,000) x \$257,100
	RFC = \$155,723

COMB collected this amount in July 2023. For WY 2023-24, the amount to be deposited into the Renewal Fund by the Cachuma Project Member Units is \$76,456 pursuant to Sub Article 27 (e)(3) of the Renewal Master Contract.

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

The fifteen percent obligation under the Bradbury SOD contract is \$7,605,739 and is to be repaid by annual payments over a 50-year period. COMB's payment obligation for FY 2022-23 is \$261,647. COMB assesses the Cachuma Project Member Units in accordance with their respective Cachuma Project entitlement percentages.

The fifteen percent obligation under the Lauro SOD contract is \$1,009,737 and is to be repaid by annual payments over a 50-year period. COMB's payment obligation for FY 2022-23 is \$47,404. COMB assesses the COMB Member Agencies (only) in accordance with each Member Agencies' pro-rata Cachuma Project entitlement percentages.

LIST OF EXHIBITS:

- 1) Fiscal Year 2022-23 Statement of Revenue and Expenditures
- 2) Quarterly Financial Review Presentation

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

	Fisheries				Operations				TOTAL			
	Jul-Jun 23	Annual Budget	\$ Over / (Under) Budget	% of Budget	Jul-Jun 23	Annual Budget	\$ Over / (Under) Budget	% of Budget	Jul-Jun 23	Budget	\$ Over / (Under) Budget	% of Budget
Revenue												
Revenue	\$ 1,428,546.50	\$ 1,517,212.00	\$ (88,665.50)	94.2%	\$ 7,999,296.41	\$ 8,501,331.00	\$ (502,034.59)	94.1%	\$ 9,427,842.91	\$ 10,018,543.00	\$ (590,700.09)	94.1%
Total Revenue	1,428,546.50	1,517,212.00	(88,665.50)	94.2%	7,999,296.41	8,501,331.00	(502,034.59)	94.1%	9,427,842.91	10,018,543.00	(590,700.09)	94.1%
Expense												
General and Admin Expenses	96,574.13	123,426.00	(26,851.87)	78.2%	219,021.39	253,703.00	(34,681.61)	86.3%	315,595.52	377,129.00	(61,533.48)	83.7%
General and Admin Labor	222,240.89	274,622.00	(52,381.11)	80.9%	529,436.99	631,303.00	(101,866.01)	83.9%	751,677.88	905,925.00	(154,247.12)	83.0%
O&M Labor	-	-	-	-	919,290.48	1,090,525.00	(171,234.52)	84.3%	919,290.48	1,090,525.00	(171,234.52)	84.3%
O&M Vehicle & Equip	-	-	-	-	165,280.46	205,000.00	(39,719.54)	80.6%	165,280.46	205,000.00	(39,719.54)	80.6%
O&M Contract Labor	-	-	-	-	70,610.97	130,000.00	(59,389.03)	54.3%	70,610.97	130,000.00	(59,389.03)	54.3%
O&M Material and Supplies	-	-	-	-	63,217.15	85,000.00	(21,782.85)	74.4%	63,217.15	85,000.00	(21,782.85)	74.4%
O&M Other Expenses	-	-	-	-	58,101.77	50,800.00	7,301.77	114.4%	58,101.77	50,800.00	7,301.77	114.4%
Special Projects	-	-	-	-	220,470.04	165,000.00	55,470.04	133.6%	220,470.04	165,000.00	55,470.04	133.6%
Infrastructure Improvement Projects	-	-	-	-	4,971,950.01	5,890,000.00	(918,049.99)	84.4%	4,971,950.01	5,890,000.00	(918,049.99)	84.4%
Fisheries Labor	709,582.38	785,564.00	(75,981.62)	90.3%	-	-	-	-	709,582.38	785,564.00	(75,981.62)	90.3%
Fisheries Vehicle & Equip	144,088.91	122,500.00	21,588.91	117.6%	-	-	-	-	144,088.91	122,500.00	21,588.91	117.6%
Fisheries Contract Labor	5,670.47	14,100.00	(8,429.53)	40.2%	-	-	-	-	5,670.47	14,100.00	(8,429.53)	40.2%
Fisheries Material and Supplies	11,104.68	7,000.00	4,104.68	158.6%	-	-	-	-	11,104.68	7,000.00	4,104.68	158.6%
Fisheries Other Expenses	2,094.19	5,000.00	(2,905.81)	41.9%	-	-	-	-	2,094.19	5,000.00	(2,905.81)	41.9%
Fisheries Activities	142,875.88	157,000.00	(14,124.12)	91.0%	-	-	-	-	142,875.88	157,000.00	(14,124.12)	91.0%
Fisheries Habitat Enhancement	22,999.03	28,000.00	(5,000.97)	82.1%	-	-	-	-	22,999.03	28,000.00	(5,000.97)	82.1%
Total Expense	1,357,230.56	1,517,212.00	(159,981.44)	89.5%	7,217,379.26	8,501,331.00	(1,283,951.74)	84.9%	8,574,609.82	10,018,543.00	(1,443,933.18)	85.6%
Surplus / (Deficit) - O&M	\$ 71,315.94	\$ -	\$ 71,315.94		\$ 781,917.15	\$ -	\$ 781,917.15		\$ 853,233.09	\$ -	\$ 853,233.09	

Note: Results are unaudited and subject to change.

Cachuma Operation & Maintenance Board

Financial Review – 4th Quarter
Fiscal Year 2022-23



Financial Review

Revenues Collected – 4th Quarter

State of CA Department of Water Resources	\$ 1,109,877
COMB O&M Budget Assessment (April - June 2023)	1,085,656
2000 BiOp and Oak Tree Mitigation Reimbursement	15,000
Interest Income	7,267
Total Revenues Collected	\$ 2,217,800

Financial Review

	Operations Division			
	Jul - Jun (YTD)	Annual Budget	Over / (Under) Budget (\$)	% of Budget
Revenue				
Revenue	\$ 7,999,296	\$ 8,501,331	\$ (502,035)	94.1%
Expense				
General and Admin Expenses	219,021	253,703	(34,682)	86.3%
General and Admin Labor	529,437	631,303	(101,866)	83.9%
O&M Labor	919,290	1,090,525	(171,235)	84.3%
O&M Vehicle & Equip	165,280	205,000	(39,720)	80.6%
O&M Contract Labor	70,611	130,000	(59,389)	54.3%
O&M Material and Supplies	63,217	85,000	(21,783)	74.4%
O&M Other Expenses	58,102	50,800	7,302	114.4%
Special Projects	220,470	165,000	55,470	133.6%
Infrastructure Improvement Projects	4,971,950	5,890,000	(918,050)	84.4%
Total Expense	\$ 7,217,379	\$ 8,501,331	\$ (1,283,952)	84.9%
Net Surplus / (Deficit)	\$ 781,917	\$ -	\$ 781,917	100.0%

Note: Results are unaudited and subject to change.

Financial Review

Operations Division

	Actual Jul-Sep	Actual Oct-Dec	Actual Jan-Mar	Actual Apr-Jun	Annual Projected	Annual Budget	Over / (Under) Budget (\$)	% of Budget
Revenue								
Revenue	\$ 2,788,999	\$ 2,203,856	\$ 1,876,420	\$ 1,130,021	\$ 7,999,296	\$ 8,501,331	\$ (502,035)	94.1%
Expense								
General and Admin Expenses	40,908	84,284	59,978	33,851	219,021	253,703	(34,682)	86.3%
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O&M Labor	254,251	209,734	252,387	202,920	919,290	1,090,525	(171,235)	84.3%
O&M Vehicle & Equip	10,648	12,766	129,516	12,350	165,280	205,000	(39,720)	80.6%
O&M Contract Labor	4,290	13,255	12,683	40,383	70,611	130,000	(59,389)	54.3%
O&M Material and Supplies	6,383	15,889	27,085	13,860	63,217	85,000	(21,783)	74.4%
O&M Other Expenses	9,455	9,211	25,262	14,173	58,102	50,800	7,302	114.4%
Special Projects	13,305	13,191	43,398	150,577	220,470	165,000	55,470	84.4%
Infrastructure Improvement Proj	1,824,993	1,426,545	1,301,607	418,805	4,971,950	5,890,000	(918,050)	84.4%
Total Expense	\$ 2,316,264	\$ 1,907,270	\$ 1,988,341	\$ 1,005,504	\$ 7,217,379	\$ 8,501,331	\$ (1,283,952)	84.9%
Net Surplus / (Deficit)	\$ 472,735	\$ 296,586	\$ (111,921)	\$ 124,518	\$ 781,917	\$ -	\$ 781,917	

Note: Results are unaudited and subject to change.

Financial Review

Fisheries Division

	Jul-Jun (YTD)	Annual Budget	Over / (Under) Budget (\$)	% of Budget
Revenue				
Revenue	\$ 1,428,547	\$ 1,517,212	\$ (88,666)	94.2%
Expense				
General and Admin Expenses	96,574	123,426	(26,852)	78.2%
General and Admin Labor	222,241	274,622	(52,381)	80.9%
Fisheries Labor	709,582	785,564	(75,982)	90.3%
Fisheries Vehicle & Equip	144,089	122,500	21,589	117.6%
Fisheries Contract Labor	5,670	14,100	(8,430)	40.2%
Fisheries Material and Supplies	11,105	7,000	4,105	158.6%
Fisheries Other Expenses	2,094	5,000	(2,906)	41.9%
Fisheries Activities	142,876	157,000	(14,124)	91.0%
Fisheries Habitat Enhancement	22,999	28,000	(5,001)	82.1%
Total Expense	\$ 1,357,231	\$ 1,517,212	\$ (159,981)	89.5%
Net Surplus / (Deficit)	\$ 71,316	\$ -	\$ 71,316	100.0%

Note: Results are unaudited and subject to change.

Financial Review

Fisheries Division

	Actual Jul-Sep	Actual Oct-Dec	Actual Jan-Mar	Actual Apr-Jun	Annual Projected	Annual Budget	Over/(Under) Budget (\$)	% of Budget
Revenue								
Revenue	\$ 369,149	\$ 426,393	\$ 557,350	\$ 75,654	\$ 1,428,547	\$ 1,517,212	\$ (88,666)	94.2%
Expense								
General and Admin Expenses	19,857	37,069	16,368	23,281	96,574	123,426	(26,852)	78.2%
General and Admin Labor	60,522	49,948	58,263	53,507	222,241	274,622	(52,381)	80.9%
Fisheries Labor	197,992	158,510	191,087	161,993	709,582	785,564	(75,982)	90.3%
Fisheries Vehicle & Equip	6,634	7,023	102,918	27,514	144,089	122,500	21,589	117.6%
Fisheries Contract Labor	-	-	4,921	749	5,670	14,100	(8,430)	40.2%
Fisheries Material and Supplies	1,704	964	1,411	7,025	11,105	7,000	4,105	158.6%
Fisheries Other Expenses	-	360	451	1,283	2,094	5,000	(2,906)	41.9%
Fisheries Activities	22,565	2,863	39,826	77,622	142,876	157,000	(14,124)	91.0%
Fisheries Habitat Enhancement	377	695	3,219	18,709	22,999	28,000	(5,001)	82.1%
Total Expense	\$ 309,652	\$ 257,432	\$ 418,464	\$ 371,683	\$ 1,357,231	\$ 1,517,212	\$ (159,981)	89.5%
Net Surplus / (Deficit)	\$ 59,497	\$ 168,961	\$ 138,887	\$ (296,029)	\$ 71,316	\$ -	\$ 71,316	

Note: Results are unaudited and subject to change.

Financial Review

Upcoming Deliverables – Administrative Division

- Complete FYE 06/30/23 Annual Financial Audit
- Complete FYE 06/30/23 GASB 74/75 OPEB Valuation
- Finalize Amendatory Contract – Cachuma Transferred Project Works
- Pursue FEMA Reimbursement for January 9th Storm Event
- Advancement of ACWA JPIA Commitment to Excellence Program

Financial Review

QUESTIONS?

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	August 28, 2023
Submitted by:	Joel Degner
Approved by:	Janet Gingras

SUBJECT: Resolution No. 792 - 2023 Storm Damage - Lauro Reservoir Bypass Channel/Road Repair - Construction and Engineering Services Contracts

RECOMMENDATION:

The Board of Directors review the proposed construction bid and engineering services costs for the Lauro Reservoir Bypass Channel/Road Repair Project related to the 2023 Severe Winter Storms and adopt Resolution No. 792 authorizing the General Manager to:

- a. Execute an engineering services during construction contract with Flowers and Associates, Inc. in an amount not to exceed \$22,400.00.
- b. Execute a construction contract with Tierra Contracting, Inc. in an amount not to exceed \$165,470.00.

SUMMARY:

The severe storm event on January 9, 2023 triggered landslides and debris flows in canyons and creeks of Santa Barbara County. The storm resulted in the overflow of Lauro Debris Basin and the washout of a 30-ft section of Lauro Reservoir Bypass Channel/Road. The Lauro Reservoir Bypass Channel Repair project will backfill in the washout area, secure an existing storm drain infrastructure, implement drainage management features, and improve a portion of the existing asphalt/gravel channel/road into a concrete bypass channel to stabilize the area and mitigate future occurrences.

BACKGROUND:

Lauro Reservoir is a drinking water supply reservoir which serves over 120,000 people living along the south coast of Santa Barbara County, CA. Natural flows traveling within the watershed upstream of Lauro Reservoir are required by the Division of Drinking Water to be routed around the reservoir for public safety. The watershed flows are currently captured by Lauro Debris Basin and diverted around the reservoir through either the spillway overflow into a 24" HDPE storm drain, or onto the Lauro Reservoir Bypass Channel emergency overflow during more extreme storm events. In addition to routing emergency overflow from Lauro Debris Basin, the Lauro Reservoir Bypass Channel also collects runoff from the surrounding slopes and provides vehicle access around the reservoir. Portions of the bypass channel were improved with a concrete channel and retaining walls in 2007 and 2009. The improved section of the bypass channel performed well in the 1/9/2023 storm, however, unimproved portions of the bypass channel were impacted by shallow landslides and a significant washout. Flowers and Associates were hired to perform the design repair for the washout and prepare the bid documents. Flowers and Associates previously performed the design of the improved bypass channel in 2007 and 2009.

In July, Staff solicited competitive bids from qualified contractors to provide construction services for the Lauro Reservoir Bypass Channel/Road Repair project to repair a washed-out section of the bypass channel. A mandatory pre-bid meeting was conducted on July 25th, 2023 with four contractors attending. Sealed bids were opened on August 9th, 2023 with two bids received. The lowest responsible, responsive

bidder was Tierra Contracting, Inc. with a bid proposal of \$165,470 for the repair / improvement project. The bid received was within 10 percent of the engineer’s estimate (\$154,000) for the project. The alternate bid was \$249,504.

The work involves excavation, removal, transportation, and disposal of damaged reinforced concrete roadway and weathered asphalt roadway immediately adjacent to the wash-out. In addition, to provide mitigation of future washouts, the bid documents contained a separate bid schedule to construct/restore this section of the bypass channel with improvement design criteria which is the same as the sections of the improved bypass channel that withstood the winter storm. Construction work is planned to be conducted from September to October 2023 to restore the bypass channel in advance of the upcoming winter storm seasons.

The bid schedules and associated costs are provided in the table below. Photos of the site are provided in Figure 1.

Table 1. Construction and Engineering Costs for County-Wide Debris Removal - 2023 Winter Storms

Schedule	Description	Cost
Bid Schedule A	Washout Repair	\$ 49,335
Bid Schedule B	Mitigation - Concrete Bypass Construction	\$ 116,135
	Total Construction Costs	\$ 165,470
	Engineering Services during construction	\$ 22,400
	Total	\$ 187,870

In addition, COMB requested a proposal from Flowers and Associates, Inc. (original Lauro Reservoir Bypass Channel design engineers – NCB attached) for engineering services during construction. The estimated costs for engineering services during construction are \$22,400.00 which is within the General Manager’s authority.

Staff has submitted the construction costs, engineering services and mitigation design costs through the DR-4683 FEMA reimbursement process. FEMA approval of the mitigation designs and repair costs is pending. The repair and improvements are needed prior to the upcoming winter storm season.

ENVIRONMENTAL COMPLIANCE:

An emergency NOE (CEQA) was filed with the County of Santa Barbara on February 16, 2023 related to the damage caused by the January storms. Maintenance and repair of existing roads is categorically excluded under NEPA (CEC 20-028).

FISCAL IMPACTS:

The Fiscal Year 2023-24 Draft Operating Budget includes funding for the Lauro Reservoir Bypass Channel/Road Repair Project as part of the 2023 Winter Storm Repairs with a portion of the funding being offset through FEMA and CalOES funding. The total cost with construction management support is estimated to be \$187,870.00.

COMMITTEE STATUS:

The Operations Committee reviewed the proposed engineering services and construction costs for the Lauro Reservoir Bypass Channel / Road Repair related to the 2023 Severe Winter Storms and forwards to the Board with a recommendation to adopt a resolution to authorize the General Manager to execute a contract with Flowers and Associates in an amount not to exceed \$22,400.00, and with Tierra Contracting, Inc. in an amount not to exceed \$165,470.

LIST OF EXHIBITS:

1. Resolution No. 792
2. NCB Justification – Flowers and Associates, Inc.

Figure 1. Lauro Reservoir Road/Bypass Washout following the January 9th, 2023 storm event



RESOLUTION NO. 792

**A RESOLUTION OF THE GOVERNING BOARD OF
THE CACHUMA OPERATION AND MAINTENANCE BOARD
APPROVING CONTRACT EXECUTION FOR CONSTRUCTION AND ENGINEERING
DURING CONSTRUCTION OF THE LAURO BYPASS CHANNEL/ROAD REPAIR
PROJECT RELATED TO THE
JANUARY 2023 SEVERE WINTER STORMS**

RECITALS

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

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

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

WHEREAS, COMB has the power to perform all acts necessary to carry out fully the provisions of the O&M Contract; and

WHEREAS, on January 9 and 10, 2023, Santa Barbara County (“County”) experienced intense and historic rainfall amounts in the watershed of the Cachuma Project, the runoff of which produced mud and debris flows resulting in damage to Cachuma Project facilities and appurtenant structures; and

WHEREAS, on January 8, 2023, President Joseph R. Biden, Jr. declared that an emergency exists in the State of California and ordered Federal assistance to supplement State, tribal and local response efforts due to the emergency conditions resulting from successive and severe winter storms, flooding and mudslides beginning on January 8, 2023; and

WHEREAS, on January 10, 2023, the County Board of Supervisors ratified a proclamation of the existence of an emergency, as proclaimed by the County Director of Emergency Services; and

WHEREAS, COMB staff submitted a Request for Public Assistance (“RPA”) through the Federal Emergency Management Agency (“FEMA”) process for damages suffered from the January 2023 storm events. The RPA was approved by FEMA and site inspections have been conducted of the damaged bypass channel at Lauro Reservoir; and

WHEREAS, the Lauro Reservoir Bypass Channel/Road Repair Project (“Project”) will restore the washed-out section of that roadway with improved design criteria, as well as provide for mitigation from potential future damage; and

WHEREAS, staff requested a proposal from Flowers and Associates, Inc. for engineering during construction services for the Project in an amount not to exceed \$22,400.00; and

WHEREAS, a non-competitive bid justification form (attached to the staff memorandum) provides support for the sole-source proposal from Flowers and Associates, Inc.; and

WHEREAS, the Operations Committee has reviewed the proposed costs from Flowers and Associates, Inc. for engineering services during construction and is forwarding to the Board with a recommendation to approve and authorize the General Manager to execute a contract with Flowers and Associates, Inc. in an amount not-to-exceed \$22,400.00, and

WHEREAS, COMB solicited competitive bids through a public bid room for construction of the Project, with bids due on August 9, 2023; and

WHEREAS, a mandatory pre-bid conference was conducted on July 25, 2023, with four (4) contractors attending; and

WHEREAS, sealed bids were opened on August 9, 2023, with two (2) construction bids received; and

WHEREAS, the lowest responsible, responsive bid proposal was received from Tierra Contracting, Inc. and has been reviewed by COMB's Operations Committee on August 22, 2023, and is forwarded to the COMB Governing Board with a recommendation to approve and authorize the General Manager to execute a construction contract with Tierra Contracting, Inc. in an amount not-to-exceed \$165,470.00 for the above-described Project.

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

1. The Governing Board finds and determines that the facts set forth in the above recitals and in the documents referenced herein are true and correct.
2. The Governing Board authorizes the COMB General Manager to execute an engineering services contract with Flowers and Associates, Inc. in an amount not to exceed \$22,400.00.
3. The Governing Board further authorizes the COMB General Manager to execute a construction contract with Tierra Contracting, Inc. for the above-described Project in an amount not to exceed \$165,470.00.
4. This resolution shall take effect immediately.

PASSED, APPROVED AND ADOPTED by the Governing Board of the Cachuma Operation and Maintenance Board, this 28th day of August 2023, by the following roll call vote:

AYES:

NAYES:

ABSENT/ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board

**2023 Winter Storms Emergency Repairs
Lauro Reservoir Bypass Channel/Road Repair Project
Non-Competitively Bid (NCB) Contract Justification**

To: COMB Operations Committee / Board

From: Operations / Engineering Division

Date: August 28, 2023

Contract: 2023 Winter Storms Emergency Repairs – Lauro Reservoir Bypass Channel/Road Repair - Engineering Services during construction – Flowers & Associates, Inc.

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

A. Why is the submission of an NCB necessary and what are the determining factors?

A winter storm system occurring on January 9-10, 2023 caused widespread flooding, erosion, landslides, and damage across Santa Barbara County. These damages included access roads, facilities, and infrastructure operated and maintained by COMB. Damage occurred in various locations including a washout of the Lauro Reservoir bypass/access road, and several other minor damages which were observed and documented. Emergency repairs are critical and necessary for the proper functioning of the system.

President Joseph R. Biden, Jr. approved an emergency declaration for California following the January 9-10 storms, which was amended to include Santa Barbara County on January 11, 2023. As a result of the January 9-10 storms, emergency repairs are needed in various locations.

COMB competitively bid the engineering designs for the Lauro Reservoir Bypass Channel / Debris Basin Rehabilitation Project (2008) and Sycamore Canyon pipeline protection project (2018). Flowers and Associates, Inc. provided the lowest bid for both projects as well as a proposed approach that could reduce overall construction costs.

Flowers and Associates, Inc. also performed the engineering and construction management for the improved portion of Lauro Reservoir Bypass Channel/Road that performed excellently in the 2023 storm events and also provided engineering and construction management for the debris basin improvements in 2009 which also performed as designed and spilled without damage to the debris basin dam.

By hiring Flowers and Associate, Inc. to perform the Lauro Reservoir Bypass Channel/Road Repair designs and engineering during construction services, COMB would ensure that the project would be completed according to the improved design and specifications. It would ensure continuity between the previous improvements.

What are the consequences of not having this NCB approved?

Design and Engineering during construction management services would need to be provided by COMB staff or a firm unfamiliar with the peculiarities of the Lauro Bypass Channel/Access Road functional design. COMB currently has limited capacity staffing (and equipment) and less experience with this type of construction project. Not having this NCB approved would reduce COMB staff capacity for other important work and increase the risks associated with the successful completion of the project.

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

The Lauro Reservoir Bypass Channel/Road Repair Project is part of the emergency disaster as declared by the President of the United States, the State of California and the County of Santa Barbara. During times of non-emergency, COMB continues to bid work according to its procurement policy. In this case, there are cost savings and project benefits to utilize the same consultant for the engineering during construction that prepared the engineering designs for the project.

RESTRICTED CONTRACTOR JUSTIFICATION (NON COMPETITIVE BID)

A. PRICE ANALYSIS

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

COMB staff compared the previous proposal estimates for construction phase services in the original proposals and Flowers and Associates was the lowest cost. In addition, Flowers & Associates hourly rates were competitive with the other proposals that were received (For example, the principal engineer hourly rates for Flowers & Associates were 20 percent lower than competing proposal). The proposal is for time & materials not to exceed. Flowers previously performed some construction services for the Sycamore Canyon Slope Stabilization project in 2019. Originally, the scope was for \$48,000 of services, however, Flowers only utilized \$21,000 of the budget during the completion of the construction of the project. It is their policy to keep their fees to a minimum to meet client requirements and good engineering practice.

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

Flowers and Associates, Inc. is highly experienced with construction management and has previous experience with the construction contractor (Tierra Contracting Inc.). By hiring Flowers and Associates for construction management, COMB would save staff time to focus on other important activities and reduce the risks associated with the project.

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Mission Statement:

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

August 28, 2023

General Manager Report

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

Administration

- **Comprehensive Annual Financial Report (Audit) - Fiscal Year 2020-21**

COMB's Annual Comprehensive Financial Report (ACFR) for fiscal year ending June 30, 2022 was awarded the Certificate of Achievement for Excellence in Financial Reporting by the Government Finance Officers Association of the United States and Canada (GFOA) (see attached). This was the sixth consecutive year that COMB has received this prestigious award. The Certificate of Achievement is the highest form of recognition for excellence in the state and local government financial reporting. In order to be awarded a Certificate of Achievement, a government must publish an easily readable and efficiently organized comprehensive annual financial report. The report must satisfy both generally accepted accounting principles and applicable legal requirements. Special recognition is conveyed honoring COMB's Administrative Division staff for their meticulous effort and continued achievements on obtaining this prestigious award.

- **ACWA JPIA Risk Assessment**

On August 8, 2023, Lee Patton, Senior Risk Management Advisor with ACWA/JPIA, conducted the annual risk assessment with COMB staff. The purpose of the annual risk assessment is to evaluate COMB's safety program (Worker's Compensation, Liability, and Property Programs) and communicate Cal/OSHA regulation changes; evaluate losses to assure that corrective action has been identified and achieved, and identify trends that might point to training needs; review work practice issues; and discuss safety training needs for specific areas where ACWA JPIA can assist.

Mr. Patton provided a review of ACWA JPIA's Commitment to Excellence Program and Risk Control and Risk Transfer Manual. Mr. Patton also reviewed COMB's Injury Illness Prevention Program, Heat Illness Prevention Program, Emergency Response Plan, Employment Practices, Workers Compensation and Liability Program experience modifications, and Property Program claims history. Overall, COMB continues to practice excellent safety measures and best practices in all of our programs.

Personnel

- **25 Year COMB Work Anniversary**

Scott Engblom started his career as a Biologist with COMB on August 24, 1998. Scott has participated in ESA Section 10 and 7 consultations on behalf of the Cachuma Member Units and Reclamation in a lead role up to the NMFS 2000 BiOp. He worked with the legacy Cachuma Project consultants to formulate the current monitoring and restoration program for the Cachuma Project 2000 BiOp and assisted in drafting the 1999 BA, 2000 Revised BA, 2000 FMP, 2004 EIR/EIS and testified in the State Water Board hearings for the Water Board Order. The monitoring program and all of its many components really hasn't changed much since 2000 which is testament to a well thought out process for the terms and conditions outlined in the 2000 BiOp. Some of the tools and equipment came directly from Scott's past experiences that he

General Manager Report
August 28, 2023

integrated into the program; for example the migrant trap designs, angled directional netting, and A-frames. Scott has done an extensive amount of data analyses and reporting through graphs, tables and text for each monitoring year. He has participated in all Fisheries Division reporting efforts from simple memorandums to the more complex Synthesis Reports, Incident Reports to Reclamation, and Annual Monitoring Reports/Summaries. Scott has participated as support staff to the Consensus Committee, Adaptive Management Committee and Real Time Decision Making Group for Passage Supplementation. He has trained Fisheries Division staff on field monitoring methods, field instrument operations, data downloading and data analyses. Scott has participated in all of our fish passage and habitat enhancement projects on El Jaro, Salsipuedes, Quiota and Hilton creeks, a total of 21 projects. Scott assists in maintaining the long-term database for required 2000 BiOp monitoring that is maintained on a data portal for Reclamation.

Scott has been a highly valuable staff member on the COMB team and we appreciate his dedication and long-term commitment to our organization. Congratulations, Scott, on your 25-year COMB anniversary!

U.S. Bureau of Reclamation

- **O & M Contract Renewal**

Reclamation hosted a 2nd Amendatory Contract negotiation session (via teleconference) with COMB and Member Agency staff participating in the session. Technical staff comments and suggested edits received prior to the session were included in the discussion points. This 2nd amendment would extend the Contract term up to three years and allow the Cachuma Operation and Maintenance Board to continue operating and maintaining Cachuma Project transferred facilities. Reclamation has provided a revised version of the Contract to COMB and Member Agency staff. Staff will bring the draft Contract to the Administrative Committee prior to submitting it to the Board at the September meeting.

Respectfully Submitted,

Janet Gingras

General Manager



GOVERNMENT FINANCE OFFICERS ASSOCIATION
NEWS RELEASE

FOR IMMEDIATE RELEASE

8/2/2023

For more information contact:
Michele Mark Levine, Director/TSC
Phone: (312) 977-9700
Fax: (312) 977-4806
Email: mlevine@gfoa.org

(Chicago, Illinois)—Government Finance Officers Association of the United States and Canada (GFOA) has awarded the Certificate of Achievement for Excellence in Financial Reporting to **Cachuma Operation and Maintenance Board** for its annual comprehensive financial report for the fiscal year ended June 30, 2022. The report has been judged by an impartial panel to meet the high standards of the program, which includes demonstrating a constructive "spirit of full disclosure" to clearly communicate its financial story and motivate potential users and user groups to read the report.

The Certificate of Achievement is the highest form of recognition in the area of governmental accounting and financial reporting, and its attainment represents a significant accomplishment by a government and its management.

Government Finance Officers Association (GFOA) advances excellence in government finance by providing best practices, professional development, resources, and practical research for more than 21,000 members and the communities they serve.



Government Finance Officers Association

Certificate of
Achievement
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Presented to

**Cachuma Operation and Maintenance Board
California**

For its Annual Comprehensive
Financial Report
For the Fiscal Year Ended

June 30, 2022

Christopher P. Morill

Executive Director/CEO

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CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: August 28, 2023
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

Water Year 2023 has had 489,022 acre-feet of computed inflow as of August 22nd, 2023. There were two storms in August which resulted in an additional 0.59 inches of rainfall, which increased the County-wide percentage of rainfall to date to 202%. Most notable was rain from the remnants of Hurricane Hillary on August 20th and 21st. These remnants caused flooding in other portions of Southern California but had minimal impacts on Santa Barbara County. El Niño is anticipated to continue through the Northern Hemisphere winter (with greater than 95% chance through December 2023 -February 2024). Forecasters predict a two-thirds chance for a “strong” El Niño event (where Nino index exceeding 1.5°C).

EARTHQUAKE

A 5.1 magnitude earthquake occurred near Ojai at 2:41 pm on August 20th. COMB staff performed dam inspection on August 20th immediately following the earthquake and inspected the tunnels at Lauro and Glen Anne dam on August 21st. No damage or unusual conditions were found during the inspections. All peak ground accelerations were below five percent gravity.

COUNTY-WIDE DEBRIS REMOVAL UPDATE

COMB issued a contract to Peter Lapidus Construction (PLC) for the debris removal from four locations (San Roque Road Debris Basin, Lauro Debris Basin, Toro Canyon Blowoff, and Carpinteria Toe Drain). COMB issued a Notice to Proceed on August 7th. PLC stockpiled the materials in Lauro Debris Basin during the week of the August 7th. Sediment hauling began August 14th and finished on August 22nd. A total of 226 truck loads of sediment were removed from Lauro Debris Basin and San Roque debris basin and taken to a permitted disposal site on agricultural land in Carpinteria. Carpinteria toe drain and Toro Canyon blowoff will likely be cleared by the end of the August.

NORTH PORTAL ELEVATOR WATER DAMAGE

The North Portal elevator recently suffered water damage to critical electrical components. A new door block switch is required. COMB issued a contract with Otis Elevator to perform the repairs. Once the part is procured the repair will occur. Future work may be needed to reduce seepage into the elevator shaft. Seepage becomes more of an issue when the lake elevation increases.

RECLAMATION INSPECTIONS

Reclamation performed three inspections on COMB facilities during August: Annual Site Inspections for the dam(August 1-2), Annual Security inspections for all facilities (August 1-2), and a Hazardous Material audit (August 8) which it performs approximately every five years. COMB provided Reclamation with updates on the progress made at both Carpinteria and Ortega Reservoir in the past couple years. COMB also showed Reclamation the damage from the January 2023 storms. Of most concern to Reclamation was the clogging of the Lauro Spillway Stilling Well, which they indicated may become a Category 1 recommendation and should be completed as soon as possible before the winter season.

LAURO SPILLWAY STILLING WELL DEBRIS REMOVAL

Lauro Spillway Stilling Well is partially clogged with sediment from the winter storms in 2023. The stilling well is located adjacent to San Roque Creek. To minimize impacts to the creek, the debris removal is planned to occur through the use of hoses and large vacuum trucks. COMB obtained a temporary entry permit onto County land to get closer access to the stilling well and also requested a construction meter for a water source from the City of Santa Barbara. COMB requested quotes from large vacuum truck contractors and selected Badger Inc. to perform the debris removal. COMB plans to shut down a portion of Jesusita Trail near the San Roque Debris Basin while the emergency debris removal work occurs. The debris removal work is planned to start August 28th, 2023. COMB has requested public assistance from FEMA under DR-4699 to support the removal work.

INFRASTRUCTURE IMPROVEMENT PROJECTS

Table 2 provides the status of Fiscal Year 2023-24 infrastructure improvement and special projects.

Table 2. Fiscal Year 2023-2024 Infrastructure Improvement Projects

Infrastructure Improvement Projects	Status / Phase	Complexity / Challenges	Estimated Completion Date
Infrastructure Improvement Projects			
SCC Line Valves for Shutdown	Contractor was engaged to perform design on Lillingston Line valve. However, a suitable location was unable to be identified which avoided conflicts with other utilities.	A Cooperative Agreement between CWWD and COMB has been approved by COMB and CWWD to facilitate the work.	An additional SCC Line Valve has been postponed as it is more advantageous to combine the cooperative agreement resources for lateral rehabilitation.
SCC Structure Rehabilitation : Lower Reach Laterals	CWWD and COMB boards have approved Phase 2. A portion of Phase 2 requires a double permit from Caltrans which has been requested and is pending.	In order to facilitate shutdowns on the Lower Reach of the SCC, lateral valves need replacement. COMB is collaborating with CWWD on this project.	Phase 2 is planned to be initiated in FY 2023-24 in November 2023.
SCC Structure Rehabilitation	Several remaining blowoffs need preventative rehabilitation to prevent unplanned outages. All AVARs on the SCC have been raised above grade.	The shutdown needed require coordination with CWWD and completion of the lateral rehabilitation prior to shutdown.	SCC Structure Rehabilitation may be postponed until FY 2024-25, as shutdowns are dependent on CWWD coordination and completion of lateral rehabilitation.
Special Projects			
Lake Cachuma Water Quality and Sediment Management Study	COMB awarded the contract for the Phase 2 phosphorous/TOC source study in October 2022. A kickoff meeting was conducted in December and a work plan was provided in March with sediment sampling occurring in early June 2023. Sediments are currently undergoing lab analysis.	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 corals. Cores could not be taken from the deepest part of the lake due to the softness of the bottom sediment.	A focused phosphorous and TOC sourcing study by COMB was initiated in 2022/2023 and planned to be completed in FY 2023/24. The Phase 2 phosphorous/TOC source study is scheduled for completion in December 2023 upon receiving the final report.
COMB Bldg/Ground Repair	COMB plans to investigate options for the installation of a solar energy system to offset COMB's energy usage as part of the Sustainability Plan.	The Cachuma Project is primarily a gravity-driven system with the only energy costs associated with electricity usage related to lighting and ventilation, office equipment, vehicle usage. It may be possible to offset all of COMB's electrical usage with a modestly sized solar power system to achieve net zero in electrical usage for water delivery. COMB will also evaluate the possibility solar energy for vehicle energy use as well.	COMB plans to evaluate options for solar this fall/winter with installation potentially in spring/summer of 2024.
2023 Winter Storm Repairs	Debris removal should be completed by the end of August. Debris basin sediments require period of drying for better handling. Lauro Bypass Channel washout is pending board approval. There are several smaller cleanup projects related to blowoffs and access roads that also require repair.	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.	COMB plans to remove debris and complete repairs prior to the upcoming rainy season.



Figure 1. Clearing of sediment from San Roque Road Basin a) before storm; b) post-storm; c) post cleanup and Lauro Main Debris Basin clearing (d,e,f)



Figure 2. Sediment and woody debris in Lauro Reservoir Spillway Stilling Well

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CACHUMA OPERATION AND MAINTENANCE BOARD

DATE: August 28, 2023
TO: Janet Gingras, General Manager
FROM: Shane King, Operations Supervisor
RE: **MONTHLY REPORT OF OPERATIONS – July 2023**

The total flow from Lake Cachuma into the Tecolote Tunnel for July was 1,878.25 acre-feet, for an average daily flow of 60.58 acre-feet. Lake elevation was 753.23 feet at the beginning of July and 751.60 feet at the end of July. Lake storage decreased by 5,155.51 acre-feet. There was no inflow from CCWA into Cachuma Project facilities this month. The City of Santa Barbara wheeled 752.15 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized and delivered 430.25 acre-feet of water to Hilton Creek for the month of July.

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

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

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

Routine operation and maintenance completed during the month of July 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 101 USA Dig alerts
- Performed weekly inspections of major facilities, safety meetings, rodent bait (all reservoirs), toe drain and piezometer reads at Ortega (L23)
- Performed dam inspection and instrumentation reports (all reservoirs)
- Performed equipment and yard maintenance
- Performed monthly North Portal elevator maintenance with Otis
- Performed monthly water quality sampling
- Read and document anodes and rectifier data

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

- The slide gates on the intake tower at Cachuma Lake were greased and exercised. Staff also ran and greased the Tecolote tunnel air exchange fan and ran the onsite backup generator.
- Staff isolated the east valley pump station in the Montecito section of the South Coast Conduit. Isolating the pump station was requested by Montecito water district in order for them to install new valves on the pump equipment. Once the work was completed, COMB staff returned the valving to the pump station back to normal operations.
- Staff isolated the Goleta West conduit at the Glen Anne turnout site. Once Goleta west conduit was isolated, Goleta water district staff dewatered the conduit to complete repair work. Sections of blow-off piping and a new valve were installed. After the work was complete COMB staff assisted GWD staff in refilling the conduit and returning the valving back to normal operations.
- The Bureau of reclamation conducted three separate annual site visits at COMB's facilities and dams. These three inspections included the annual site inspections, the annual site security inspection, and the annual hazardous materials handling and storage inspection. There were no major findings to report. Small items such adding signage, disposal of certain hazardous materials, etc. were discussed.
- COMB contracted Peter Lapidus Construction to remove silt and debris from Lauro debris basin that accumulated from the 2022/2023 winter storms. COMB staff, and Flowers and associates staff monitored the project in order to get accurate numbers of material removed and assisted with spotting the digging around the piping inside of the debris basin.
- Staff have begun removing material and preparing for work to be done at the Lauro reservoir stilling well. The stilling well clogged with debris and silt during the winter 2022/2023 winter storms. Staff has removed some material, removed grates, and set up silt dams with sandbags as to not disturb the nearby creek. COMB has contracted Badger Inc. to conduct silt and debris removal the week of August 28th.
- COMB hired a street sweeper company to clean the roads around the reservoirs at Ortega and Carpinteria reservoir. Silt and debris from the winter storms had piled up along the access road around the reservoirs. COMB staff cleaned up and removed as much material as possible and then hired the street sweeper to do a final cleaning. (see photos)
- Staff has been working on our annual weed abatement and right-of-way access management program. This work includes weed abatement and brush clearing on all of COMB's access roads and around all facilities. This program also helps keep up with our mandatory defensible space areas around all of COMB's facilities. These facilities include:
 - The North Portal site and buildings and fence lines
 - The Glen Anne and south portal site, buildings, and fence lines
 - Lauro reservoir site, buildings, and fence lines
 - Sheffield valve pit site, buildings, and fence lines
 - Ortega reservoir, valve pit, buildings, and fence lines
 - Carpinteria reservoir, valve pit, buildings, and fence lines

Ortega and Carpinteria reservoir road clean up



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CACHUMA OPERATION AND MAINTENANCE BOARD
BOARD MEMORANDUM

DATE: August 28, 2023
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) to the Upper Release Point (URP) and Lower Release Point (LRP) (approximately 6.5 cfs) plus upper basin flows (approximately 0.5 cfs), which has been sustaining the *O. mykiss* population in the creek.
 - Highway 154 Bridge and Alisal Bridge (minimum of 10 cfs): Dam releases continue to sustain flows higher than required target flows.
- As of 2/15/23, Order WR 2019-048 Table 2 flows have been initiated for a Wet Year classification (specifically reservoir inflow > 117,842 af).
- Spill ramp-down / stranding surveys have continued as USBR decreases the dam releases to 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) 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 by 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 considered to be 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 drought and the need to carefully monitor Lake Cachuma, lake profiles are being taken monthly throughout the year and are reported in the Annual Monitoring Summary/Report.

Spill Ramp-Down / Stranding Surveys: As Reclamation reduces the dam releases to the required Table 2 releases, surveys have been conducted by COMB-FD staff to look for stranded fish as the river flows recede into the lower flow channels. Reclamation reduced dam releases from approximately 52 cfs to approximately 40 cfs on 7/28/23 and 7/31/23 where the release rate will be held through the rest of the summer. Ramp-down and stranding surveys were conducted during that process and a final report will be provided to Reclamation once releases reach the required Table 2 flows.

As required by 2000 BiOp RPM 7, COMB-FD staff has been monitoring wetting width during ramp-down at multiple established transects as dam releases are reduced. This effort will continue into the fall.

Snorkel surveys: Snorkel surveys for *O. mykiss* and non-native fish in the LSYR mainstem and tributaries are conducted two times a year (Spring and Fall). The Spring Snorkel Survey has been completed although delayed by at least a month due to high river flows. The results are presented in the annual monitoring report.

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

The minimum target flow of 2 cfs to Hilton Creek was met throughout July with HCWS gravity flow to the URP (between 5.5 and 6.5 cfs) and upper basin flows (approximately 0.5 cfs) for a total of approximately 7 cfs recorded by the USGS at the LRP that includes sustaining upper basin flows.

Bradbury Dam releases have been keeping river flows at the Highway 154 Bridge and the Alisal Bridge well above Table 2 compliance flows (10 cfs as of 7/1/23). The new USGS stream gage at the Highway 154 Bridge is operating as designed and contracted. This is a low flow gage and continually records stage but river discharge up to 65 cfs (now reporting as of 6/20/23 due reductions in dam releases). USBR continues to work with the State Board to modify Term 18 and Term 25 to move the target flow compliance point to the new USGS gage site.

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 of the electrical systems on that barge went under water 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. The Outlet Works can now release lake water to the LSYR through one 30-inch valve and one 10-inch valve. Once that damaged valve is reconditioned, it will be reinstalled, and the other 30-inch valve will be removed and reconditioned. This operation has not been scheduled.
- During the week of 8/21/23, Reclamation replaced all of the Bradbury Dam radial gate lifting motors to return them to full operational condition.

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 (prior to this wet year, it was 5/27/11). With the magnitude of this year’s spill and current dam releases, all Surcharge Water Accounts are once again full and are reflected in Table 1 using the 2021 bathymetric survey values. For the moment, USBR officially declares the end of the 2023 spill on 6/30/23 and has been debiting all dam releases to the fish accounts starting on 7/1/23 onward which is reflected in Table 1. This may change with further discussion.

Table 1: Summary of the surcharge water accounting and use of Project Yield as of 7/19/23, using the 2021 bathymetric survey data.

Accounts*	Allocation	Amount Used**	Amount Remaining
Units:	(acre-feet)	(acre-feet)	(acre-feet)
Fish Passage Supplementation			
WY2021	3,200	0	3,200
Adaptive Management	500	0	500
Fish Rearing***	5,527	3,154	2,373
Unallocated Project Water		0	
Total:	9,227	3,154	6,073
* Originally was 9,200 af, 8,942 af in 2008, 9,184 af in 2013, and 9,227 af in 2021.			
** Values as of 7/31/23.			
*** 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 has completed and posted the WY2022 Annual

Monitoring Summary and USBR has completed the WY2022 Annual Monitoring Report and submitted it to NMFS.

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

Consultant Activity Summary:

HDR Fisheries Design Center (Mike Garello and Shaun Bevan) – No work was performed during this period on the established SOW tasks.

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

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	August 28, 2023
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 current status of the Lake Cachuma Oak Tree Restoration Program (Program) and provide direction to staff as appropriate.

SUMMARY:

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since August, 2022 to the present (8/1/22 – 8/28/23, Table 1). Labor and expenses as well as water usage for the entire fiscal year (July 2022 - June 2023) 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 the majority of 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 2021 Annual Report with the annual inventory and Fiscal Year 2021-22 financials was completed and reviewed by the Lake Cachuma Oak Tree Committee on 9/16/22 and provided to the COMB Board on 9/26/22 that recommended going forward with replacing 50 dead oak trees during the wet season of this water year. The COMB Board was in agreement with that directive.

Table 1: Cachuma Oak Tree Program completed maintenance tasks since August, 2022.

	August 2022	Sept 2022	Oct 2022	Nov 2022	Dec 2022 ¹	Jan 2023 ¹	Feb 2023 ¹	March 2023 ¹	April 2023 ¹	May 2023 ¹	June 2023 ¹	July 2023	Aug 2023
Year 13 Oaks (2021-2022)	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded				Assess Clean-up		Replanting Gopher Baskets Fert/Comp Deer Cages Mulch/Irrigated	Irrigated Mulched Weeded Tree tags GPS/GIS	Irrigation Weeded	Irrigation	Irrigated Weeded
Year 12 Oaks (2020-2021)	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded							Irrigation	Irrigated Weeded
Year 11 Oaks (2019-2020)					Irrigated Weeded							Irrigation	Irrigated Weeded
Year 10 Oaks (2018-2019)													
Year 9 Oaks (2016-2017)													
Year 8 Oaks (2015-2016)								Infrastructure Repair					
Year 7 Oaks (2014-2015)													
Year 6 Oaks (2005-2011)													

¹ Oak tree inventory.

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

SPECIFIC TASKS

Tree Irrigating/Weeding

During the peak heat of the summer season, staff are focusing exclusively on irrigating the newer age classes of oak trees (Year 11 through 13) at Santa Barbara County Park and Live Oak Camp (Figure 1). Hand weeding was conducted the past month with some new growth evident at the base of the trees.

Tree Planting

This effort has been concluded for the year.

Annual Inventory

The 2022 Annual Inventory of all year classes has been completed and all the data has been tabulated. Staff is now working on the Annual Report that will be finished within a week that will then be distributed to the Oak Creek Committee for their review.

End of Program Plan

A draft 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:

There have been no Lake Cachuma Oak Tree Committee meetings since the last COMB Board meeting on 5/22/23.

LIST OF EXHIBITS:

Exhibit 1



Figure 1: (a) Watering oak trees at Lake Cachuma Park and (b) dead planted oak trees at Mohawk at the Park due to an extended period of a surcharged lake.

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**CACHUMA OPERATION AND MAINTENANCE BOARD
METERED USE REPORT FOR JULY 2023**

LATERAL/ STATION	NAME	ACRE FEET METERED	LATERAL/ STATION	NAME	ACRE FEET METERED
CARPINTERIA WATER DISTRICT			GOLETA WATER DISTRICT		
Boundary Meter - East		324.33	18+62	G. WEST	116.67
Boundary Meter - West		(0.48)	78+00	Corona Del Mar FILTER Plant	960.30
			122+20	STOW RANCH	0.00
				SWP CREDIT (Warren Act Contract)	0.00
				Raytheon (SWP) (Warren Act Contract)	0.00
				Morehart (SWP) (Warren Act Contract)	0.00
			TOTAL		1,076.97
			MONTECITO WATER DISTRICT		
			260+79	BARKER PASS	24.15
			386+65	MWD YARD	27.41
			487+07	VALLEY CLUB	0.00
			499+65	E. VALLEY-ROMERO PUMP	188.49
			510+95	MWD PUMP (SWD)	10.52
			510+95	ORTEGA CONTROL	16.34
			526+43	ASEGRA RD	0.38
			555+80	CO. YARD	0.00
			583+00	LAMBERT RD	3.40
			599+27	TORO CANYON	9.44
				SWP CREDIT (Warren Act Contract)	0.00
				City of SB / MWD WSA ("Desal")	(117.38)
			TOTAL		162.75
			CITY OF SANTA BARBARA		
			CATER	INFLOW	1,568.49
			Gibraltar	PENSTOCK	(752.15)
			CATER	SO. FLOW	(795.68)
			Sheffield	SHEF.LIFT	161.68
				SWP CREDIT (Warren Act Contract)	0.00
				La Cumbre (SWP) (Warren Act Contract)	0.00
				City of SB / MWD WSA ("Desal")	117.38
			TOTAL		299.73
			SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, ID#1		
			COUNTY PARK, ETC		2.66
			TOTAL		2.66
			BREAKDOWN OF DELIVERIES BY TYPE:		
			STATE WATER DELIVERED TO LAKE		0.00
			STATE WATER TO SOUTH COAST including from stored		0.00
			METERED DIVERSION		1,865.96
SWP CREDIT (Warren Act Contract)		0.00			
TOTAL		323.85			
Note: Meter reads were taken on: 7/31/2023					

WATER YEAR 22-23 CACHUMA PROJECT ALLOCATION

**CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF JULY 2023 AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾**

(All in rounded Acre Feet)

CACHUMA PROJECT		
WATER PRODUCTION:	MONTH	WYTD
Cachuma Lake (Tec. Diversion)	1,878.3	14,152.8
Tecolote Tunnel Infiltration	96.5	921.9
Cachuma Lake (County Park)	2.7	14.6
Subtotal - Water Production	1,977.4	15,089.3
WATER DELIVERIES:		
State Water Diversion	0.0	480.0
Cachuma Diversion	1,866.0	14,844.7
Storage gain/(loss) ⁽²⁾	83.7	4.0
Subtotal - Water Deliveries	1,949.7	15,328.7
Total Water Production	1,977.4	15,089.3
Total Water Deliveries	1,949.7	15,328.7
Difference = Apparent Water Loss	27.7	(239.4)
% Apparent Water Loss	1.40%	-1.59%

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)					(239.4)
Total AWL Incurred (WYTD)					(239.4)

CACHUMA PROJECT WATER CHARGE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
CURRENT MONTH						
Water Usage						
M&I	839.0	299.7	153.0	144.1	2.7	1,438.5
Agricultural	238.0	0.0	9.8	179.7	N/A	427.5
Subtotal Project Water Use	1,077.0	299.7	162.8	323.9	2.7	1,866.0
(+) 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	1,077.0	299.7	162.8	323.9	2.7	1,866.0
WATER YEAR-TO-DATE						
Water Usage						
M&I	6,404.8	4,852.7	591.6	915.6	14.6	12,779.2
Agricultural	1,190.6	0.0	39.5	835.4	N/A	2,065.5
Subtotal Project Water Use	7,595.3	4,852.7	631.2	1,750.9	14.6	14,844.7
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss ⁽⁴⁾	175.3	461.9	47.9	69.5	82.5	837.1
Total Project Water Charge (*)	7,770.6	5,314.6	679.1	1,820.5	97.0	15,681.8

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

WATER YEAR 22-23 CACHUMA PROJECT ALLOCATION

**CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF JULY 2023 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 - 10/1/2022	7,890.4	19,239.8	2,067.3	3,035.0	3,353.8	35,586.3
(-) Project Water Charge (WYTD)	2,727.0	2,789.2	296.7	671.7	(401.9)	6,082.7
Carryover Available Before Adjustments	5,163.4	16,450.6	1,770.6	2,363.3	3,755.7	29,503.6
Adjustments to Carryover (WYTD)						
State Water Exchange ⁽⁵⁾	0.0	0.0	0.0	0.0	(615.0)	(615.0)
Surplus ⁽⁶⁾	69.5	63.0	3.9	16.2	0.9	153.5
Carryover Spilled ⁽⁷⁾	(5,232.9)	(16,513.6)	(1,774.5)	(2,379.5)	(3,141.6)	(29,042.1)
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)	5,043.6	2,525.4	382.4	1,148.8	498.9	9,599.1
Allocation Available Before Adjustments	4,278.4	5,751.6	2,268.6	1,664.2	2,152.1	16,114.9
Adjustments to Allocation (WYTD)						
State Water Exchange ⁽⁵⁾	222.0	147.0	147.0	99.0	0.0	615.0
Surplus ⁽⁶⁾	3,966.6	2,225.7	219.6	824.9	7.3	7,244.2
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	8,567.0	8,124.3	2,635.2	2,588.1	2,159.3	24,074.0
Total Cachuma Project Water Available	8,567.0	8,124.3	2,635.2	2,588.1	2,159.3	24,074.0

ACCUMULATED DROUGHT WATER CREDIT (ADWC) BALANCE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
ADWC Balance - 10/1/2022 ⁽¹⁰⁾	543.8	482.8	154.6	164.1	154.6	1,500.0
(-) ADWC Water Charge (WYTD)	0.0	0.0	0.0	0.0	0.0	0.0
Adjustments to ADWC (WYTD)						
ADWC Spilled ⁽⁷⁾	(543.8)	(482.8)	(154.6)	(164.1)	(154.6)	(1,500.0)
Balance ADWC	0.0	0.0	0.0	0.0	0.0	0.0
Total Cachuma Project + ADWC Available	8,567.0	8,124.3	2,635.2	2,588.1	2,159.3	24,074.0

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 176 AF; City of SB received 117 AF; MWD received 117 AF; and CVWD received 79 AF from ID#1 in July 2023
- (6) Per USBR, surplus water became available to Member Units beginning 2/26/23 and ended 6/30/23
- (7) Spill releases from Bradbury Dam in February 2023 (69,977 AF) reduced SWP, Carryover, and ADWC accounts
- (8) Per USBR, 100% mid-year allocation to Member Units, effective 2/28/23
- (9) Transfer per Contract for Exchange Water with Thomas B. Bishop Company and GWD (100 AF)
- (10) Correspondence from Michael Jackson to the Member Units (MU's) dated 9/14/2022 revised the Downstream Users Accounting Reports effective August 2022 as produced by Reclamation. A credit of 1,500 acre-feet of water from the Below Narrows Account was transferred to the MU's based on provisions of the September 17, 2002 Settlement Agreement.
- (11) Memo only - State Water Deliveries to Lake Cachuma for July 2023 was 0 AF
- (12) Memo only - MWD has received 117.38 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: **JULY 2023**

GLEN ANNIE RESERVOIR ⁽¹⁾

Capacity at 385' elevation:	335	AF
Capacity at sill of intake at 334' elevation:	21	AF
Stage of Reservoir Elevation	346.9	Feet
Water in Storage	87.16	AF

LAURO RESERVOIR

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

ORTEGA RESERVOIR

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	448.1	Feet
Water in Storage	23.03	AF

CARPINTERIA RESERVOIR

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	378.0	Feet
Water in Storage	30.26	AF

TOTAL STORAGE IN RESERVOIRS ⁽¹⁾

Change in Storage	482.26	AF
	90.95	AF

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	751.60	Feet
Water in Storage	188,640	AF
Surface Area	3,079	Acres
Evaporation	2,036.2	AF
Inflow	1,915.8	AF
Downstream Release WR8918	0.0	AF
Fish Release (Hilton Creek)	430.3	AF
Outlet	2724.0	AF
Spill/Seismic Release	0	AF
State Water Project Water	0.0	AF
Change in Storage	-5,156	AF
Tecolote Diversion	1,878.3	AF

Rainfall: Month: 0.00 Year: 39.89 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

COMB STATE WATER PROJECT ACCOUNTING - SOUTH COAST ONLY (Does not include SYRWCD, ID#1 or exchange water)

Month	Total Delivered to Lake per CCWA	CVWD					MWD					CITY OF SB					GWD					LCMWC					RSYS			MLC		
		Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap (-)	Adj / Spill (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap (-)	Adj / Spill (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap (-)	Adj / Spill (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Evap (-)	Adj / Spill (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Stored in Lake		
2022																																
Bal. Frwd						810																										
January	427	0	0	0	2	0	808	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	12	0	0	0	0
February	367	0	99	0	4	0	704	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	7	1	0	138	0	0	0	0	0
March	368	0	297	0	6	0	401	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	66	1	0	90	0	0	0	0	0
April	453	0	290	0	5	0	107	0	0	0	0	0	0	0	0	0	100	100	0	0	0	0	35	23	1	0	101	0	0	0	0	0
May	634	127	232	0	2	0	0	0	0	0	0	0	0	0	0	0	100	100	0	0	0	0	45	92	2	0	52	0	0	0	0	0
June	1060	227	227	0	0	0	0	0	0	0	0	0	92	92	0	0	0	92	92	0	0	0	137	70	1	0	119	0	0	0	0	9
July	569	0	0	0	0	0	0	0	0	0	0	0	100	100	0	0	0	100	100	0	0	0	100	14	2	0	202	0	0	0	0	10
August	322	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	91	4	0	153	0	0	0	0	7
September	186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	134	134	0	0	0	47	69	3	0	128	0	0	0	0	5
October	145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92	92	0	0	0	44	59	2	0	112	0	0	0	0	9
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	1	0	86	0	0	0	0	0
December	223	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	210	210	0	0	0	0	3	0	0	83	0	0	0	0	13
Total	4754	354	1145	0	19	0	0	0	0	0	0	0	392	392	0	0	0	3366	3366	0	0	0	539	531	17	0	83	0	0	0	103	103

(*) Adj / Notes:

LCMWC: La Cumbre Mutual Water Company; RSYS: Raytheon; MLC: Morehart Land Company

Month	Total Delivered to Lake per CCWA	CVWD					MWD					CITY OF SB					GWD					LCMWC					RSYS			MLC		
		Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap (-)	Adj / Spill (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap (-)	Adj / Spill (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap (-)	Adj / Spill (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Evap (-)	Adj / Spill (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Stored in Lake		
2023																																
Bal. Frwd						0																										
January	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	21	0	0	77	0	0	0	0	7
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	(37)	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August																																
September																																
October																																
November																																
December																																
Total	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	62	0	-37	0	0	0	0	7	7

(*) Adj / Notes:

LCMWC: La Cumbre Mutual Water Company; RSYS: Raytheon; MLC: Morehart Land Company

Spill releases from Bradbury Dam in February 2023 (approximately 69,977 AF) reduced SWP accounts

Total SC Storage at month end (AF): 0

Total Storage at month end (AF): 0

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

Contract Year: 10/1/22 to: 9/30/23

Contract Entity: **Goleta Water District**
 Update by COMB 7/31/2023

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	7,890.4	-
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	9,322.0
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	7,890.4	9,322.0

TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED		
Acre-feet			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	Total
501.5	197.9	699.4	87.1	699.4	786.6	564.5	222.1	-
406.0	116.9	523.0	45.1	523.0	568.0	438.6	129.4	-
207.9	28.5	236.4	18.1	236.4	254.6	221.0	33.6	-
437.9	21.0	458.9	10.0	458.9	468.9	445.0	23.8	-
569.3	64.7	634.0	14.9	634.0	649.0	579.7	69.3	-
747.6	64.3	811.9	-	-	-	-	-	747.6 64.3 811.9
888.3	91.0	979.3	-	-	-	-	-	888.3 91.0 979.3
874.6	153.5	1,028.1	-	-	-	-	-	874.6 153.5 1,028.1
932.7	214.7	1,147.4	-	-	-	-	-	932.7 214.7 1,147.4
839.0	238.0	1,077.0	-	-	-	-	-	839.0 238.0 1,077.0
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
6,404.8	1,190.6	7,595.3	175.3	2,551.7	2,727.0	2,248.8	478.2	4,282.1 761.5 5,043.6

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	7,890.4	5,705.0	2,185.4	-	-	-
Nov	-	-	-	26.2	19.8	46.0
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	(5,163.4)	(3,456.2)	(1,707.2)	6,012.4	3,309.6	9,322.0
Mar	-	-	-	747.6	64.3	811.9
Apr	-	-	-	988.3	91.0	1,079.3
May	-	-	-	874.6	153.5	1,028.1
Jun	-	-	-	932.7	214.7	1,147.4
Jul	-	-	-	93.3	82.7	176.0
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	7,103.9	5,140.5	1,963.3	26.2	19.8	46.0
Nov	6,535.8	4,701.9	1,833.9	26.2	19.8	46.0
Dec	6,281.2	4,480.9	1,800.3	26.2	19.8	46.0
Jan	5,812.4	4,035.9	1,776.5	26.2	19.8	46.0
Feb	-	-	-	6,038.6	3,329.4	9,368.0
Mar	-	-	-	6,038.6	3,329.4	9,368.0
Apr	-	-	-	6,138.6	3,329.4	9,468.0
May	-	-	-	6,138.6	3,329.4	9,468.0
Jun	-	-	-	6,138.6	3,329.4	9,468.0
Jul	-	-	-	5,392.9	3,174.1	8,567.0
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 8,567.0

Footnotes
 (1) Schedule and Revisions (February 2023) - Includes Surplus Water (+69.5AF), Carryover Water Spilled (-5,232.9AF), WY 23 Allocation (+9,322AF)
 (2) Schedule and Revisions (April 2023) - Includes Surplus Water (+979.3AF), Bishop Ranch Exchange (+100AF)

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

Contract Year: 10/1/22 to: 9/30/23

Contract Entity: **City of Santa Barbara**
 Update by COMB 7/31/2023

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	19,239.8	-
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	8,277.0
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	19,239.8	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
651.3	-	651.3	218.5	651.3	869.9	869.9	-	-	-	-
466.2	-	466.2	119.5	466.2	585.6	585.6	-	-	-	-
352.2	-	352.2	49.8	352.2	402.0	402.0	-	-	-	-
315.5	-	315.5	28.6	315.5	344.0	344.0	-	-	-	-
542.1	-	542.1	45.5	542.1	587.7	587.7	-	-	-	-
548.3	-	548.3	-	-	-	-	-	548.3	-	548.3
526.4	-	526.4	-	-	-	-	-	526.4	-	526.4
571.2	-	571.2	-	-	-	-	-	571.2	-	571.2
579.8	-	579.8	-	-	-	-	-	579.8	-	579.8
299.7	-	299.7	-	-	-	-	-	299.7	-	299.7
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
4,852.7	-	4,852.7	461.9	2,327.3	2,789.2	2,789.2	-	2,525.4	-	2,525.4

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			
	Total	Allocation		Total
		M & I	-----	
Oct	19,239.8	19,239.8	-	-
Nov	-	-	-	-
Dec	-	-	-	-
Jan	-	-	-	-
Feb	-	-	-	-
Mar	Surplus (+548.3AF)	-	548.3	548.3
Apr	Surplus (+526.4AF)	-	526.4	526.4
May	Surplus (+571.2AF)	-	571.2	571.2
Jun	Surplus (+579.8AF)	-	579.8	579.8
Jul	ID#1 Exch (+117AF)	-	117.0	117.0
Aug	-	-	-	-
Sep	-	-	-	-
Surplus, Spill, Allocation ⁽¹⁾	(16,450.6)	(16,450.6)	-	8,277.0

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Total	Allocation	
		M & I	-----		M & I	-----
Oct	18,369.9	18,369.9	-	30.0	-	30.0
Nov	17,784.3	17,784.3	-	30.0	-	30.0
Dec	17,382.3	17,382.3	-	30.0	-	30.0
Jan	17,038.3	17,038.3	-	30.0	-	30.0
Feb	-	-	-	8,307.0	-	8,307.0
Mar	-	-	-	8,307.0	-	8,307.0
Apr	-	-	-	8,307.0	-	8,307.0
May	-	-	-	8,307.0	-	8,307.0
Jun	-	-	-	8,307.0	-	8,307.0
Jul	-	-	-	8,124.3	-	8,124.3
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 8,124.3

Footnotes

(1) Schedule and Revisions (February 2023) - Includes Surplus Water (+63AF), Carryover Water Spilled (-16,513.6AF), WY 23 Allocation (+8,277AF)

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

Contract Year: 10/1/22 to: 9/30/23

Contract Entity: **Montecito Water District**
 Update by COMB 7/31/2023

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	2,067.3	-
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	2,651.0
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	2,067.3	2,651.0

TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED		
Acre-feet			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	Total
174.7	15.3	190.0	22.8	190.0	212.7	189.3	23.4	-
24.8	1.8	26.6	12.1	26.6	38.7	32.2	6.5	-
-	-	-	5.1	-	5.1	5.0	0.2	-
0.9	0.0	0.9	3.0	0.9	3.9	2.7	1.2	-
30.2	1.1	31.3	4.9	31.3	36.1	33.1	3.0	-
7.6	0.2	7.8	-	-	-	-	-	7.8
88.2	3.3	91.5	-	-	-	-	-	91.5
75.0	5.6	80.6	-	-	-	-	-	80.6
37.3	2.4	39.8	-	-	-	-	-	39.8
153.0	9.8	162.8	-	-	-	-	-	162.8
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
591.6	39.5	631.2	47.9	248.8	296.7	262.4	34.3	382.4

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation	Allocation	Allocation	Total
		M & I	Agr	M & I	Agr
Begin Bal	2,067.3	1,325.6	741.7	-	-
ID#1 Exch (+30AF)	-	-	-	17.1	12.9
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
Surplus, Spill, Allocation (1)	(1,770.6)	(1,063.3)	(707.3)	2,306.4	344.6
Surplus (+7.8AF)	-	-	-	7.6	0.2
Surplus (+91.5AF)	-	-	-	88.2	3.3
Surplus (+80.6AF)	-	-	-	75.0	5.6
Surplus (+39.8AF)	-	-	-	37.3	2.4
ID#1 Exch (+117AF)	-	-	-	62.0	55.0
-	-	-	-	-	-
-	-	-	-	-	-

BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation	Allocation	Allocation	Total
		M & I	Agr	M & I	Agr
1,854.6	1,136.3	718.2	17.1	12.9	30.0
1,815.8	1,104.1	711.7	17.1	12.9	30.0
1,810.7	1,099.1	711.6	17.1	12.9	30.0
1,806.8	1,096.4	710.4	17.1	12.9	30.0
-	-	-	2,323.5	357.5	2,681.0
-	-	-	2,323.5	357.5	2,681.0
-	-	-	2,323.5	357.5	2,681.0
-	-	-	2,323.5	357.5	2,681.0
-	-	-	2,323.5	357.5	2,681.0
-	-	-	2,232.6	402.7	2,635.2
-	-	-	-	-	-
-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 2,635.2

Footnotes
 (1) Schedule and Revisions (February 2023) - Includes Surplus Water (+3.9AF), Carryover Water Spilled (-1,774.5AF), WY 23 Allocation (+2,651AF)

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

Contract Year: 10/1/22 to: 9/30/23

Contract Entity: **Carpinteria Valley Water District**
 Update by COMB 7/31/2023

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr	CARRYOVER WATER						CURRENT YEAR ALLOCATION			
			TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED			
			Acre-feet			Allocation			Allocation			
	M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total	
Oct	3,035.0	-	114.2	155.2	269.3	33.5	269.3	302.8	132.2	170.7	-	-
Nov	-	-	38.5	44.6	83.2	17.7	83.2	100.9	48.3	52.6	-	-
Dec	-	-	13.0	8.0	21.0	7.4	21.0	28.5	17.1	11.4	-	-
Jan	-	-	61.3	23.0	84.3	4.2	84.3	88.6	63.6	24.9	-	-
Feb	-	2,813.0	89.5	54.8	144.3	6.6	144.3	150.9	93.1	57.8	-	-
Mar	-	-	52.3	25.5	77.8	-	-	-	-	-	52.3	25.5
Apr	-	-	128.0	97.7	225.7	-	-	-	-	-	128.0	97.7
May	-	-	127.2	100.4	227.5	-	-	-	-	-	127.2	100.4
Jun	-	-	147.5	146.4	293.9	-	-	-	-	-	147.5	146.4
Jul	-	-	144.1	179.7	323.9	-	-	-	-	-	144.1	179.7
Aug	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-
Total	3,035.0	2,813.0	915.6	835.4	1,750.9	69.5	602.2	671.7	354.3	317.4	599.0	549.7

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	3,035.0	1,631.7	1,403.3	-	-	-
Nov	-	-	-	11.4	8.6	20.0
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	(2,363.3)	(1,277.4)	(1,085.9)	1,406.5	1,406.5	2,813.0
Mar	-	-	-	52.3	25.5	77.8
Apr	-	-	-	128.0	97.7	225.7
May	-	-	-	127.2	100.4	227.5
Jun	-	-	-	147.5	146.4	293.9
Jul	-	-	-	41.9	37.1	79.0
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	2,732.2	1,499.5	1,232.7	11.4	8.6	20.0
Nov	2,631.3	1,451.2	1,180.0	11.4	8.6	20.0
Dec	2,602.8	1,434.1	1,168.7	11.4	8.6	20.0
Jan	2,514.3	1,370.5	1,143.8	11.4	8.6	20.0
Feb	-	-	-	1,417.9	1,415.1	2,833.0
Mar	-	-	-	1,417.9	1,415.1	2,833.0
Apr	-	-	-	1,417.9	1,415.1	2,833.0
May	-	-	-	1,417.9	1,415.1	2,833.0
Jun	-	-	-	1,417.9	1,415.1	2,833.0
Jul	-	-	-	1,315.6	1,272.5	2,588.1
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 2,588.1

Footnotes
 (1) Schedule and Revisions (February 2023) - Includes Surplus Water (+16.2AF), Carryover Water Spilled (-2,379.5AF), WY 23 Allocation (+2,813AF)

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

Contract Year: 10/1/22 to: 9/30/23

Contract Entity: **Santa Barbara Co. Water Agency**
 Update by COMB 7/31/2023

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	35,586.3	-	0.1	1,443.3	368.4	1,811.6	400.7	1,811.6	2,212.3	1,767.5	444.8	-	-	-
Nov	-	-	0.0	937.0	163.4	1,100.4	215.4	1,100.4	1,315.7	1,111.4	204.3	-	-	-
Dec	-	-	0.0	573.9	36.6	610.5	89.4	610.5	699.9	648.1	51.9	-	-	-
Jan	-	-	0.0	816.4	44.0	860.4	51.1	860.4	911.5	857.5	53.9	-	-	-
Feb	-	25,714.0	0.0	1,231.1	120.7	1,351.7	80.5	1,351.7	1,432.2	1,297.8	134.4	-	-	-
Mar	-	-	0.0	1,356.8	90.0	1,446.8	-	-	-	-	-	1,356.8	90.0	1,446.8
Apr	-	-	0.0	1,632.8	192.0	1,824.8	-	-	-	-	-	1,632.8	192.0	1,824.8
May	-	-	0.0	1,649.6	259.5	1,909.1	-	-	-	-	-	1,649.6	259.5	1,909.1
Jun	-	-	0.1	1,700.0	363.5	2,063.5	-	-	-	-	-	1,700.0	363.5	2,063.5
Jul	-	-	0.0	1,438.5	427.5	1,866.0	-	-	-	-	-	1,438.5	427.5	1,866.0
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	35,586.3	25,714.0	0.4	12,779.2	2,065.5	14,844.7	837.1	5,734.6	6,571.7	5,682.3	889.4	7,777.6	1,332.5	9,110.1

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	35,586.3	28,774.6	6,811.7	-	-	-
Oct	(126.0)	(71.8)	(54.2)	84.7	41.3	126.0
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	(28,888.6)	(23,020.5)	(5,868.2)	19,373.8	6,340.2	25,714.0
Mar	-	-	-	1,356.8	90.0	1,446.8
Apr	-	-	-	1,732.8	192.0	1,924.8
May	-	-	-	1,649.6	259.5	1,909.08
Jun	-	-	-	1,700.0	363.5	2,063.5
Jul	-	-	-	55.0	(55.0)	-
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	1.6	33,248.0	26,935.3	6,312.7	84.7	41.3	126.0
Nov	1.4	31,932.3	25,823.9	6,108.4	84.7	41.3	126.0
Dec	0.8	31,232.4	25,175.9	6,056.5	84.7	41.3	126.0
Jan	0.8	30,320.9	24,318.3	6,002.6	84.7	41.3	126.0
Feb	-	-	-	-	19,458.5	6,381.5	25,840.0
Mar	1.0	-	-	-	19,458.5	6,381.5	25,840.0
Apr	1.9	-	-	-	19,558.5	6,381.5	25,940.0
May	1.7	-	-	-	19,558.5	6,381.5	25,940.0
Jun	2.7	-	-	-	19,558.5	6,381.5	25,940.0
Jul	2.7	-	-	-	18,175.0	5,899.0	24,074.0
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 24,074.0

Footnotes
 (1) Schedule and Revisions (February 2023) - Includes Surplus Water (+153.5AF), Carryover Water Spilled (-29,042.1AF), WY 23 Allocation (+25,714AF)



August 2023

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	QICWA		QUTEC	QUHIL	QUWATR	QU	QS	QI
	ft	acre-feet	acre-feet	acres	inches	acre-feet	inches	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet
31	751.60	188,640														
1	751.54	188,455	(184.5)	3,077.1	-	-	0.330	68.54	-	-	64.13	13.80	-	67.00	-	28.93
2	751.49	188,301	(153.8)	3,075.5	-	-	0.270	56.05	-	-	64.90	13.77	-	65.00	-	45.93
3	751.43	188,117	(184.5)	3,073.6	-	-	0.250	51.87	-	-	65.57	13.79	-	66.00	-	12.68
4	751.39	187,994	(123.0)	3,072.3	-	-	0.320	66.36	-	-	54.36	13.77	-	65.00	-	76.46
5	751.33	187,809	(184.5)	3,070.4	-	-	0.230	47.67	-	-	73.82	13.76	-	65.00	-	15.70
6	751.29	187,686	(123.0)	3,069.2	-	-	0.230	47.65	-	-	65.62	13.79	-	66.00	-	70.02
7	751.24	187,532	(153.8)	3,067.6	-	-	0.300	62.12	-	-	63.89	13.73	-	65.00	-	50.95
8	751.19	187,379	(153.8)	3,066.0	-	-	0.290	60.02	-	-	65.24	13.73	-	65.00	-	50.19
9	751.13	187,194	(184.5)	3,064.1	-	-	0.300	62.05	-	-	66.48	13.73	-	65.00	-	22.71
10	751.09	187,071	(123.0)	3,062.9	-	-	0.190	39.28	-	-	63.94	13.73	-	65.00	-	58.92
11	751.05	186,948	(123.0)	3,061.6	-	-	0.180	37.20	-	-	62.79	13.73	-	65.00	-	55.69
12	751.00	186,794	(153.8)	3,060.0	-	-	0.290	59.90	-	-	43.19	13.72	-	65.00	-	28.02
13	750.96	186,672	(121.7)	3,058.7	-	-	0.310	64.00	-	-	35.14	13.71	-	66.00	-	57.12
14	750.93	186,581	(91.3)	3,057.7	-	-	0.270	55.73	-	-	31.06	13.70	-	65.00	-	74.19
15	750.88	186,429	(152.2)	3,056.0	-	-	0.270	55.70	-	-	45.73	13.69	-	65.00	-	27.95
16	750.84	186,307	(121.7)	3,054.7	-	-	0.300	61.86	-	-	43.29	13.69	-	66.00	-	63.10
17	750.79	186,155	(152.2)	3,053.0	-	-	0.300	61.82	-	-	44.75	13.68	-	65.00	-	33.09
18	750.76	186,064	(91.3)	3,052.0	-	-	0.190	39.14	-	-	42.04	13.68	-	65.00	-	68.56
19	750.71	185,912	(152.2)	3,050.3	-	-	0.280	57.65	-	-	35.81	13.66	-	65.00	-	19.95
20	750.65	185,729	(182.6)	3,048.3	-	-	0.340	69.96	-	-	38.59	13.65	-	66.00	-	5.60
21	750.70	185,881	152.2	3,050.0	0.25	63.5	0.060	12.35	-	-	38.54	13.64	-	66.00	-	219.15
22	750.61	185,607	(273.9)	3,047.0	-	-	0.240	49.36	-	-	20.97	13.59	-	65.00	-	(124.98)
23	750.57	185,486	(121.7)	3,045.6	-	-	0.160	32.89	0.03	-	39.11	13.65	-	66.00	-	29.90
24	750.53	185,364	(121.7)	3,044.3	-	-	0.350	71.92	26.66	-	41.27	13.59	-	64.00	-	42.39
Total			(3,275.83)		0.25	63.54	6.250	1,291.09	26.69	-	1,210.21	328.98	-	1,568.00	-	1,032.22
Minimum	750.53	185,364	(273.89)	3,044.27	-	-	0.060	12.35	-	-	20.97	13.59	-	64.00	-	(124.98)
Average	751.00	186,811	(136.49)	3,059.91	0.01	2.65	0.260	53.80	1.11	-	50.43	13.71	-	65.33	-	43.01
Maximum	751.54	188,455	152.16	3,077.08	0.25	63.54	0.350	71.92	26.66	-	73.82	13.80	-	67.00	-	219.15

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 August pan factor: 81%
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.



Lake Cachuma

		Today	Cumulative to Date	
			August	WY 2023
Reservoir Elevation	ft	750.53		
Storage	af	185,363.8		
Change in Storage	af	(121.7)	(3,275.83)	120,862.66
Lake Storage Capacity	af	193,000.0		
Percent of Storage Capacity	%	96%		
Computed Inflow	af	42.4	1,032.2	489,093.8

Water year type based on cumulative flow to date **Wet (WYTD ≥ 177,842)**

Releases

		Today	Cumulative to Date	
			August	WY 2023
Tecolote Tunnel	af	41.27	1,210.21	15,363.05
Hilton Creek	af	13.59	328.98	3,057.34
Bradbury Dam Outlet	af	64.00	1,568.00	35,925.00
Water Rights 89-18	af	-	-	166.10
Spillway	af	-	-	313,119.98

CCWA Inflow

		Today	Cumulative to Date	
			August	WY 2023
CCWA Inflow	af	26.66	26.69	432.55

Evaporation, Precipitation, and Temperatures

		Today	Cumulative to Date	
			August	WY 2023
Evaporation	in	0.35	6.25	48.99
	af	71.92	1,291.09	9,030.50
Rain	in	-	0.25	40.14
	af	-	63.54	7,998.30
Temperature, minimum	°F	57.00	46.00	29.00
Temperature, maximum	°F	95.00	100.00	105.00

USGS Streamgauge Monitoring

		Yesterday	Cumulative through Yesterday		
			August	WY 2023	Migration Dec 1 to May 31
Hwy 154 (11126400)	cfs	43.70			
	af	86.68	2,113.0	8,502.6*	2,241.5*
Solvang (11128500)	cfs	32.50			
	af	64.46	1,646.7	278,190.1*	270,533.9*
Salsipuedes (11132500)	cfs	2.15			
	af	4.26	89.1	28,833.2*	28,222.9
Narrows (11133000)	cfs	26.60			
	af	52.76	1,388.1	380,963.2*	371,171.0

Reclamation readings are taken at 8:00 a.m. daily.

Flow volumes, meteorological data, and change in storage reflect the 24 hours preceding 8:00 a.m.

USGS readings are 0001 hr to 2400 hr yesterday

* USGS streamgauge data are missing for one or more dates in specified timeframe



**Santa Barbara County Parks Division,
Cachuma Lake Recreation Area
Summary of Aquatic Invasive Species Vessel Inspection Program
and Early Detection Monitoring Program: July 2023**



Cachuma Lake Recreation Area Launch Data -- July 2023		
Inspection Data		
Total Vessels Entering Park	647	
Total Vessels Launched	631	
Total Vessels Quarantined	16	
Returning (Tagged) Boats Launched	431	68%
Kayak/Canoe: Inspected, launched	200	32%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
Quarantine Data		
Total Vessels Quarantined	16	
Quarantined 14 days	*	
Quarantined 30 days	16	
Quarantine Cause		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	1	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	16	
Demographic Data		
Quarantined from infected county	1	
Quarantined from SB County	15	
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: 2023.7.1, 2023.7.17, 2023.7.31

Artificial Substrate & Surface Survey Date: 2023.07.17

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

Surveyors: COSB, Parks Division Quagga Grant Staff (P. Medel).

Lake elevation: Max feet: 753.00, current 751.6; Max acre-feet: 192,978, current: 188,640;

Capacity: 97.8% At of the end of the survey month.