



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

**Monday, January 22, 2024
1:00 P.M.**

HOW TO OBSERVE THE MEETING

Join by Teleconference or Attend in Person

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

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

Join via Video Conference:

<https://us02web.zoom.us/j/87202380988?pwd=dWM5VngrVnJmcitkQzMyUmdzMWpGZz09>

Passcode: 132732

Join via Teleconference:

US +1 669 900 6833 US Webinar ID: 872 0238 0988 Passcode: 132732

HOW TO MAKE A PUBLIC COMMENT

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

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

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

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

AMERICANS WITH DISABILITIES ACT

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

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

Monday, January 22, 2024

1:00 PM

AGENDA

NOTICE: This Meeting shall be conducted in-person and through remote access as authorized and in accordance with Government Code section 54953, AB 361 and AB 2449.

- 1. CALL TO ORDER, ROLL CALL**
- 2. PUBLIC COMMENT** *(Public may address the Board on any subject matter within the Board's jurisdiction. See "Notice to the Public" below.)*
- 3. CONSENT AGENDA** *(All items on the Consent Agenda are considered to be routine and will be approved or rejected in a single motion. Any item placed on the Consent Agenda may be removed and placed on the Regular Agenda for discussion and possible action upon the request of any Board Member.)*
Action: Recommend Approval of Consent Agenda by motion and roll call vote of the Board
 - a. Minutes of November 13, 2023 Regular Board Meeting
 - b. Minutes of December 18, 2023 Regular Board Meeting
 - c. Investment of Funds
 - Financial Reports
 - Investment Reports
 - d. Review of Paid Claims
- 4. VERBAL REPORTS FROM BOARD COMMITTEES**
Receive verbal information regarding the following committee meetings:
 - Fisheries Committee Meeting – January 16, 2024
- 5. LICENSE AGREEMENT – U.S. BUREAU OF RECLAMATION**
Action: Recommend approval by motion and roll call vote of the Board
- 6. GENERAL MANAGER REPORT**
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
 - Administration
- 7. ENGINEER'S REPORT**
Receive information from the COMB Engineer, including but not limited to the following:
 - Climate Conditions
 - Lake Elevation Projection
 - Winter Storm Damage
 - Infrastructure Improvement Projects

8. **OPERATIONS DIVISION REPORT**

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

- Lake Cachuma Operations
- Operation and Maintenance Activities

9. **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

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

Action: Receive information, including but not limited to the following:

- Maintenance and Monitoring

11. **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

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

13. **MEETING SCHEDULE**

- **Regular Board Meeting – February 26, 2024 at 1:00 PM**
- **Board Packages available on COMB website www.cachuma-board.org**

14. **COMB ADJOURNMENT**

NOTICE TO PUBLIC

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

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

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

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

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

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

held at

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

**Monday, November 13, 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 1:00 PM.

Directors Present:

Polly Holcombe, Carpinteria Valley Water District
Lauren Hanson, Goleta Water District
Cori Hayman, Montecito Water District

Directors Absent:

Kristen Sneddon, City of Santa Barbara

General Counsel Present:

William Carter - Musick, Peeler, Garrett, LLP

Staff Present:

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

Timothy Robinson, Fisheries Division Manager
Elijah Papen, Senior Program Analyst

Others Present:

Dakota Corey, City of Santa Barbara

Matthew Scrudato, COSB Water Agency

2. PUBLIC COMMENT

There was no public comment.

3. CONSENT AGENDA

- a. Minutes of October 23, 2023 Regular Board Meeting
- b. Investment of Funds
 - Financial Reports
 - Investment Reports
- c. Review of Paid Claims

Ms. Gingras presented the Consent Agenda items and noted that the October Minutes would be deferred to December for approval. Mr. Lyons reviewed the Financial Statements and Paid Claims reports. He recapped revenues received and highlighted several Paid Claims of note, including remittances to Peter Lapidus Construction, A-1 Truck, Quinn Company and Trenchalk Network Services. He fielded questions from the Board.

Director Hanson provided the motion to approve Consent Agenda items b. and c., followed by a second from Director Hayman. The motion carried with a vote of four in favor.

Ayes: Hayman, Hanson, Holcombe

Nays:

Absent: Sneddon

Abstain:

4. FINANCIAL REVIEW – 1ST QUARTER FISCAL YEAR 2023-24

Mr. Lyons shared his presentation of the first quarter financial review with the Board. He recapped revenues received during the quarter. Noting that revenue and expenditures were in overall alignment to the budget, he provided explanation for variances as compared to the budgets for each division. Mr. Lyons reminded Board members that some expenses potentially would be offset by FEMA reimbursements. Additionally, he provided forecasted estimates of the expected budgetary position for the end of the current fiscal year. Mr. Lyons reviewed the status of the Administrative Division's deliverables. He fielded questions and comments from the Board.

5. LICENSE AGREEMENT – U.S. BUREAU OF RECLAMATION (RECLAMATION)

Ms. Gingras reported that she had initiated discussions with Reclamation regarding the capitalization of certain assets that COMB has paid for and installed within federal easement. Discussions and legal review resulted in the license agreement currently before the Board for approval. Ms. Gingras noted that the agreement would be effective for a 25 year term, renewable for an additional 25 year term. Board members complimented Ms. Gingras for spearheading the license agreement process.

Director Hanson motioned to approve the License Agreement. Director Hayman seconded the motion which passed with a vote of four in favor.

Ayes: Hayman, Hanson, Holcombe

Nays:

Absent: Sneddon

Abstain:

6. RESOLUTION NO. 794 – RATIFICATION OF EXPENDITURES FOR RENTAL EQUIPMENT

Ms. Gingras introduced Resolution No. 794 to approve COMB expenditures and a corresponding budget adjustment associated in support of Reclamation's operation for a cone valve replacement at Bradbury Dam. She recapped the project briefly and asked Mr. Robinson to provide more detail. Mr. Robinson shared slides and described the steps taken to accomplish the valve replacement. He reported that the downstream fishery experienced no negative impacts and the project water preserved in the reservoir was substantial. Mr. Robinson noted the participation of COMB staff in support of the contractor and Reclamation, which was intrinsic both to the success of the project and the control of costs.

Director Hanson moved to approve the Resolution and Director Hayman seconded. The motion passed with a vote of four in favor.

Ayes: Hayman, Hanson, Holcombe

Nays:

Absent: Sneddon

Abstain:

7. GENERAL MANAGER REPORT

- Administration
- Virtual Meetings

Ms. Gingras presented the General Manager report, acknowledging COMB's receipt of the Distinguished Budget Award from the GFOA for FY 2023-24. This is the fourth consecutive year that COMB has applied for and received this award. She provided an update on the status of COMB's application for round two grant funding through IRWMP. Finally, Ms. Gingras reported that the first draft of the updated Area Emergency Operations Plan should be ready by the end of the year. She fielded questions from the Board.

8. ENGINEER AND OPERATIONS DIVISION REPORT

- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. Degner and Mr. Papen shared slides illustrating progression of the now completed Lauro Reservoir Bypass Channel and Road Repair project. He reported that termite treatment and wood repairs at Casitas Pass Control Building were also complete and provided a model of forecasted rainfall for this area over the next few days.

9. FISHERIES DIVISION REPORT

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

Mr. Robinson provided the Board with a verbal report of Fisheries activities. He was pleased to report the completion of the repairs at Quiota Creek Crossings 5 and 9, illustrated with before and after photos. Mr. Robinson acknowledged again the staff time spent supporting Reclamation with the Bradbury Dam valve replacement. As well, the monitoring work required by the Biological Opinion for the current year is largely completed. Mr. Robinson fielded questions from the Board.

10. MONTHLY CACHUMA PROJECT REPORTS

- a. Cachuma Reservoir Current Conditions
- b. Lake Cachuma Quagga Survey

Ms. Gingras advised that the Water Reports were not yet available for October but would be presented at the next meeting.

11. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

There were no requests from Directors.

12. MEETING SCHEDULE

- **Regular Board Meeting – December 18, 2023 at 1:00 PM**
- **Board Packages available on COMB website www.cachuma-board.org**

13. COMB ADJOURNMENT

There being no further business, the meeting was adjourned at 2:20 PM.

Respectfully submitted,

Janet Gingras, Secretary of the Board

	<i>Approved</i>
√	<i>Unapproved</i>

APPROVED:

Polly Holcombe, President of the Board

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

held at

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

**Monday, December 18, 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 1:00 PM.

Directors Present:

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

Directors 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	Shane King, Operations Supervisor
Joel Degner, Engineer/Operations Division Manager	Rosey Bishop, Administrative Assistant II
Timothy Robinson, Fisheries Division Manager	

Others Present:

John Britton, Bartlett Pringle Wolf, LLP	Matthew Scrudato, COSB Water Agency
Sean Edwards, Bartlett Pringle Wolf, LLP	Dakota Corey, City of Santa Barbara
Will Kane, Total Compensation Inc.	Dana Hoffenberg, City of Santa Barbara
Matt Young, COSB Water Agency	Nick Turner, Montecito Water District

2. PUBLIC COMMENT

There was no public comment.

3. CONSENT AGENDA

- a. Minutes of October 23, 2023, Regular Board Meeting
- b. Minutes of November 13, 2023, Regular Board Meeting
- c. Investment of Funds
 - Financial Reports
 - Investment Reports
- d. Review of Paid Claims

Ms. Gingras presented the Consent Agenda items and noted that the November Minutes would be deferred to January for approval. Mr. Lyons reviewed the Financial Statements and Paid Claims reports. He recapped revenues received and highlighted collected funds from the Cachuma Project Member Units for their Renewal Fund obligation and funds from SYRWD ID1. Several Paid Claims of note included remittances to ESRI, Earth Systems, Flowers & Associates, Tierra Contracting, Badger Daylighting Corporation and Peter Lapidus Construction. He fielded questions from the Board.

Director Hanson motioned to approve Consent Agenda items a. c. and d. Director Sneddon seconded the motion which carried with a vote of five in favor and one absentee.

Ayes: Hanson, Sneddon, Holcombe

Nays:

Absent: Hayman

Abstain:

4. VERBAL REPORTS FROM BOARD COMMITTEES

President Holcombe reported that she and Director Hansen attended an Administrative Committee meeting and noted that the items on that agenda would be covered in the current meeting.

5. TOTAL COMPENSATION SYSTEMS, INC. PRESENTATION OF OTHER POST-EMPLOYMENT BENEFITS (OPEB) ACTUARIAL REPORT AS OF JUNE 30, 2023

Mr. Lyons introduced Mr. Will Kane, an Actuary from Total Compensation Systems, Inc. COMB contracted with this firm to perform the annual OPEB liability valuation. Mr. Kane presented the roll forward valuation which is based on the prior year's census data and noted that there was not much volatility. Mr. Kane went through the current benefit structure for COMB employees and retirees, followed by the valuation results for the current year, what to expect for the upcoming year and going into the future. He noted that the total OPEB liability is 3.4 million which is the same result as the previous year, with only minor differences occurring. A full valuation will occur next year. Mr. Kane fielded questions from the Board.

6. BARTLETT, PRINGLE WOLF, LLP PRESENTATION OF ANNUAL COMPREHENSIVE FINANCIAL REPORT (ACFR) – FISCAL YEAR ENDING JUNE 30, 2023

Mr. Lyons introduced Mr. John Britton and Mr. Sean Edwards of Bartlett, Pringle Wolf, LLP (BPW) and invited them to present the results of the ACFR audit for Fiscal Year 2022-23. Mr. Britton reviewed the audited financial statements, statement of cash flows and several footnotes and disclosures. The most notable event of the fiscal year was the capitalization of the Secured Pipeline which had a very positive impact on the balance sheet. Mr. Britton also discussed the Letter of Required Communications that BPW issued regarding accounting practices and policies. COMB received an unmodified report ("clean opinion") and concluded there were no management concerns, accounting issues or reportable conditions affiliated with the audit. Mr. Britton fielded questions from the Board.

7. CALIFORNIA STATE CONTROLLER REPORT FOR FISCAL YEAR ENDING JUNE 30, 2023

Mr. Britton proceeded with a brief review of the annual California State Controller Report, reporting on information about the organization and information directly from the audit expressed as populated numbers on the report that will be filed with the State after it has been received by the Board. He fielded comments from the Board.

8. UNEXPENDED FUNDS – FISCAL YEAR ENDING JUNE 30, 2023

Mr. Lyons presented the cash basis reconciliation of unexpended funds for the fiscal year 2022-23. He stated that in conjunction with the annual audit, COMB performed this reconciliation to look at all the assessments and collected grant revenue which is then matched up against expenses incurred to see if there is a surplus or deficit. Mr. Lyons was happy to report a surplus which he proposed returning in full to the COMB Member Agencies in accordance with their membership percentages.

Director Sneddon motioned to approve the return of unexpended funds. Director Hanson seconded the motion which carried with a vote of five in favor and one absentee.

Ayes: Hanson, Holcombe, Sneddon

Nays:

Absent: Hayman

Abstain:

9. EQUIPMENT PURCHASE – OPERATIONS DIVISION

Mr. Degner requested the Board’s approval for the purchase of a replacement backhoe loader. The existing loader has various limitations and needs replacement. COMB received two quotes for two different models: the 320P John Deere Caterpillar was less expensive, could lift more and was recommended by other local operators. Ms. Gingras added that the equipment is discounted 43% and is typically purchased through a downpayment and lease arrangement, but that in this case the better option was to buy outright. The Board expressed support. Mr. Degner and Ms. Gingras fielded questions from the Board.

Director Sneddon motioned to approve the equipment purchase. Director Hanson seconded the motion which carried with a vote of five in favor and one absentee.

Ayes: Hanson, Holcombe, Sneddon

Nays:

Absent: Hayman

Abstain:

10. QUIOTA CREEK CROSSINGS NO. 5 AND 9 – FINAL PROJECT REPORT

Mr. Robinson provided the Board with a verbal report of the completion of the repairs at Quiota Creek Crossings 5 and 9, illustrated with before and after photos. He stated the two-part project went smooth and was a great success overall. He brought attention to the financial report which recapped the construction, engineering and permitting costs of the project, which came in under budget overall. He also highlighted the collaborative efforts of Resource Agencies and Private Sector working together for a common good for the public trust. Mr. Robinson fielded questions from the Board.

11. GENERAL MANAGER REPORT

- Administration

Ms. Gingras presented the General Manager report which addressed the annual Fall Conference for ACWA in which the JPIA recognizes members that achieve 20% or less in liability, property and workers compensation programs. Ms. Gingras recognized COMB for receiving the President’s Award, which she attributed to the safety practices of staff. Ms. Gingras also outlined the preliminary budget

process schedule, the annual IT Consultant meeting, the purchase of two new workstations for staff, and a Workers Comp Webinar attended by administrative staff.

12. ENGINEER'S REPORT

- Climate Conditions
- Lake Elevation Projections
- Winter Storm Preparation
- Infrastructure Improvement Projects

Mr. Degner updated on the past month's climate conditions noting the dry weather and fuel moisture, which was getting down to critical, high-risk levels. He noted that forecasted rain will help to prevent fire risk and the present El Nino conditions which are predicted to continue. The Lake elevation update noted no significant changes. He further noted the winter storm work and that Tierra Contracting completed the Lauro Reservoir Bypass Road. Mr. Degner also provided an update on FEMA project reimbursement including funding received for county wide debris removal. Additional funding is anticipated for sediment removal which is currently pending EHP (environmental historic preservation) review. Mr. Degner also spoke about infrastructure projects for the upcoming year. Mr. Degner fielded questions from the Board.

13. OPERATIONS DIVISION REPORT

- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. King presented the Operations Division report and advised that staff were working on the structure maintenance program, exercising valves and air vents, and repainting confined space signs. Mr. King also reported that operations staff have pulled and cleaned all the fish screens and exercised the slide gates. In addition, they also repaired a section of the log boom around the intake tower. Mr. King reported that ESYS (Energy Control Company) came out for annual maintenance on the outlet work valve for the lower reservoir and that staff have replaced the Lauro Reservoir debris basin dewatering pump. Operations staff have also started on the valve exercising program.

14. FISHERIES DIVISION REPORT

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

Mr. Robinson presented the Fisheries Division report, noting the Biological Compliance work being performed as requested by Reclamation. The Fisheries Division has also completed the fall snorkel survey, and they continue to monitor target flows at Hilton Creek and other locations, which are being met and measuring above the minimum requirement. Operations at Bradbury Dam and the Outlet Works consisted of the 30-inch valve replacement, which was completed by Reclamation in November, and that the temporary pumps installed worked well to provide water downstream during the project while preserving project water in the lake. Mr. Robinson fielded questions from the Board.

15. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

- Maintenance and Monitoring

Mr. Robinson reported that the present dry conditions have called for more watering of newly planted trees. Upcoming rain in the forecast will allow staff to focus on tree inventory which requires looking at each tree planted to see if it is alive or dead, what type it is, how much growth it has gained and if there is a need for maintenance. Mr. Robinson fielded questions from the Board.

16. MONTHLY CACHUMA PROJECT REPORTS

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

Ms. Gingras reported that there was nothing out of the ordinary to report.

17. CALENDAR YEAR 2024 COMB REGULAR BOARD MEETING SCHEDULE

Ms. Gingras presented the 2024 Regular Board Meeting calendar.

18. DIRECTORS' REQUEST FOR AGENDA ITEMS FOR FUTURE MEETING

There were no requests from Board members.

19. MEETING SCHEDULE

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

20. COMB ADJOURNMENT

There being no further business, the meeting was adjourned at 2:35 PM.

Respectfully submitted,

Janet Gingras, Secretary of the Board

	<i>Approved</i>
√	<i>Unapproved</i>

APPROVED:

Polly Holcombe, President of the Board

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Cachuma Operation & Maintenance Board

Statement of Net Position

As of December 31, 2023

UNAUDITED FINANCIALS

ASSETS	December 31, 2023	
Current Assets		
Checking/Savings		
Trust Funds		
1210 · Warren Act Trust Fund	\$	104,033.54
1220 · Renewal Fund		126,162.26
Total Trust Funds		\$ 230,195.80
1050 · General Fund		169,382.11
1100 · Revolving Fund		367,175.29
Total Checking/Savings		766,753.20
Accounts Receivable		
1301 · Accounts Receivable		1,570.00
Total Accounts Receivable		1,570.00
Other Current Assets		
1200 · LAIF		1,437,752.62
1010 · Petty Cash		500.00
1303 · Bradbury SOD Act Assessments Receivable		228,082.99
1304 · Lauro Dam SOD Assessments Receivable		34,757.91
1400 · Prepaid Insurance		12,155.72
Total Other Current Assets		1,713,249.24
Total Current Assets		2,481,572.44
Fixed Assets		
1500 · Vehicles		726,893.50
1505 · Office Furniture & Equipment		248,483.73
1510 · Mobile Offices		424,910.38
1515 · Field Equipment		552,543.06
1520 · Building Improvements		62,263.00
1524 · Infrastructure		4,751,941.69
1550 · Accumulated Depreciation		(1,143,966.94)
Total Fixed Assets		5,623,068.42
Other Assets		
1910 · Long Term Bradbury SOD Act Assessments Receivable		3,608,470.07
1920 · Long Term Lauro SOD Act Assessments Receivable		670,778.85
1922 · Deferred Outflow of Resources (GASB 68)		1,136,753.00
1923 · Deferred Outflow (GASB 75)		652,844.00
Total Other Assets		6,068,845.92
TOTAL ASSETS	\$	14,173,486.78

Cachuma Operation & Maintenance Board

Statement of Net Position

As of December 31, 2023

UNAUDITED FINANCIALS

LIABILITIES & EQUITY

December 31, 2023

Liabilities

Current Liabilities

Accounts Payable

2200 · Accounts Payable \$ 144,314.03

Total Accounts Payable

144,314.03

Other Current Liabilities

2505 · Accrued Wages 35,286.11

2550 · Vacation/Sick 254,076.70

2561 · Bradbury Dam SOD Act 228,082.99

2563 · Lauro Dam SOD Act 34,757.91

2565 · Accrued Interest SOD Act 34,659.00

2590 · Deferred Revenue 230,195.80

2594 · Deferred Revenue - Assessments 1,240,371.07

Total Other Current Liabilities

2,057,429.58

Total Current Liabilities

2,201,743.61

Long Term Liabilities

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

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

2604 · OPEB Long Term Liability 3,378,115.00

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

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

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

Total Long Term Liabilities

11,323,243.92

Total Liabilities

13,407,827.79

Net Position

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

3901 · Retained Net Assets 6,247,122.43

Net Surplus / Deficit (302,043.13)

Total Net Position

648,499.25

TOTAL LIABILITIES & EQUITY

\$ 14,173,486.78

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

Budget vs. Actuals July 2023 - June 2024

	Fisheries				Operations				TOTAL			
	Jul - Dec 23	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Dec 23	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Dec 23	Budget	\$ Over / (Under) Budget	% of Budget
Revenue												
3000 REVENUE												
3001 · O&M Budget (Qtrly Assessments)	\$ 492,390.00	\$ 1,146,671.00	\$ (654,281.00)	42.94%	\$ 1,542,075.00	\$ 3,782,312.00	\$ (2,240,237.00)	40.77%	\$ 2,034,465.00	\$ 4,928,983.00	\$ (2,894,518.00)	41.28%
3006 · Warren Act	186,003.05	210,786.00	-24,782.95	88.24%	0.00				186,003.05	210,786.00	-24,782.95	88.24%
3007 · Renewal Fund	132,179.00	76,456.00	55,723.00	172.88%	0.00				132,179.00	76,456.00	55,723.00	172.88%
3010 · Interest Income	0.00				14,437.65				14,437.65	0.00	14,437.65	100.0%
3014 · Non-Member Agency Revenue	22,117.00				0.00				22,117.00	0.00	22,117.00	100.0%
3020 · Misc Income	0.00				500.00	20,000.00	-19,500.00	2.5%	500.00	20,000.00	-19,500.00	2.5%
3021 · Grant Income	0.00				480.00				480.00	0.00	480.00	100.0%
3035 · Cachuma Project Betterment Fund	0.00	100,000.00	-100,000.00	0.0%	0.00				0.00	100,000.00	-100,000.00	0.0%
3046 · CVWD Cooperative Agrmnt Funding	0.00				0.00	550,000.00	-550,000.00	0.0%	0.00	550,000.00	-550,000.00	0.0%
3047 · 2023 Winter Storms	0.00				44,250.94	1,101,563.00	-1,057,312.06	4.02%	44,250.94	1,101,563.00	-1,057,312.06	4.02%
Total 3000 REVENUE	\$ 832,689.05	\$ 1,533,913.00	\$ (701,223.95)	54.29%	\$ 1,601,743.59	\$ 5,453,875.00	\$ (3,852,131.41)	29.37%	\$ 2,434,432.64	\$ 6,987,788.00	\$ (4,553,355.36)	34.84%
Expense												
3100 · LABOR - OPERATIONS	\$ -	\$ -	\$ -	0.0%	\$ 520,826.21	\$ 1,220,348.00	\$ (699,521.79)	42.68%	\$ 520,826.21	\$ 1,220,348.00	\$ (699,521.79)	42.68%
3200 VEH & EQUIPMENT												
3201 · Vehicle/Equip Mtce	0.00				17,026.64	40,000.00	-22,973.36	42.57%	17,026.64	40,000.00	-22,973.36	42.57%
3202 · Fixed Capital	0.00				6,540.83	200,000.00	-193,459.17	3.27%	6,540.83	200,000.00	-193,459.17	3.27%
3203 · Equipment Rental	0.00				116.05	40,000.00	-39,883.95	0.29%	116.05	40,000.00	-39,883.95	0.29%
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				23,683.52	290,000.00	-266,316.48	8.17%	23,683.52	290,000.00	-266,316.48	8.17%
3300 · CONTRACT LABOR												
3301 · Conduit, Meter, Valve & Misc	0.00				8,949.12	35,000.00	-26,050.88	25.57%	8,949.12	35,000.00	-26,050.88	25.57%
3302 · Buildings & Roads	0.00				14,944.25	25,000.00	-10,055.75	59.78%	14,944.25	25,000.00	-10,055.75	59.78%
3303 · Reservoirs	0.00				30,181.50	60,000.00	-29,818.50	50.3%	30,181.50	60,000.00	-29,818.50	50.3%
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				54,074.87	160,000.00	-105,925.13	33.8%	54,074.87	160,000.00	-105,925.13	33.8%
3400 · MATERIALS & SUPPLIES												
3401 · Conduit, Meter, Valve & Misc	0.00				10,209.14	70,000.00	-59,790.86	14.58%	10,209.14	70,000.00	-59,790.86	14.58%
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				2,591.32	10,000.00	-7,408.68	25.91%	2,591.32	10,000.00	-7,408.68	25.91%
Total 3400 · MATERIALS & SUPPLIES	0.00				12,800.46	100,000.00	-87,199.54	12.8%	12,800.46	100,000.00	-87,199.54	12.8%
3500 · OTHER EXPENSES												
3501 · Utilities	0.00				2,587.26	7,000.00	-4,412.74	36.96%	2,587.26	7,000.00	-4,412.74	36.96%
3502 · Uniforms	0.00				2,919.66	5,750.00	-2,830.34	50.78%	2,919.66	5,750.00	-2,830.34	50.78%
3503 · Communications	0.00				5,042.42	15,800.00	-10,757.58	31.91%	5,042.42	15,800.00	-10,757.58	31.91%
3504 · USA & Other Services	0.00				2,886.29	7,250.00	-4,363.71	39.81%	2,886.29	7,250.00	-4,363.71	39.81%
3505 · Miscellaneous	0.00				6,429.26	12,000.00	-5,570.74	53.58%	6,429.26	12,000.00	-5,570.74	53.58%
3506 · Training	0.00				0.00	3,000.00	-3,000.00	0.0%	0.00	3,000.00	-3,000.00	0.0%
3507 · Permits	0.00				25,183.80	25,000.00	183.80	100.74%	25,183.80	25,000.00	183.80	100.74%
Total 3500 · OTHER EXPENSES	0.00				45,048.69	75,800.00	-30,751.31	59.43%	45,048.69	75,800.00	-30,751.31	59.43%

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

Budget vs. Actuals July 2023 - June 2024

	Fisheries				Operations				TOTAL			
	Jul - Dec 23	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Dec 23	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Dec 23	Budget	\$ Over / (Under) Budget	% of Budget
4100 · LABOR - FISHERIES	399,305.21	824,382.00	-425,076.79	48.44%	0.00				399,305.21	824,382.00	-425,076.79	48.44%
4200 · VEHICLES & EQUIP - FISHERIES												
4270 · Vehicle/Equip Mtce	9,933.15	30,000.00	-20,066.85	33.11%	0.00				9,933.15	30,000.00	-20,066.85	33.11%
4280 · Fixed Capital	6,850.00	20,000.00	-13,150.00	34.25%	0.00				6,850.00	20,000.00	-13,150.00	34.25%
4290 · Miscellaneous	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	16,783.15	52,500.00	-35,716.85	31.97%	0.00				16,783.15	52,500.00	-35,716.85	31.97%
4220 · CONTRACT LABOR - FISHERIES												
4221 · Meters & Valves	321.43	3,000.00	-2,678.57	10.71%	0.00				321.43	3,000.00	-2,678.57	10.71%
4222 · Fish Projects Maintenance	4,449.75	11,100.00	-6,650.25	40.09%	0.00				4,449.75	11,100.00	-6,650.25	40.09%
Total 4220 · CONTRACT LABOR - FISHERIES	4,771.18	14,100.00	-9,328.82	33.84%	0.00				4,771.18	14,100.00	-9,328.82	33.84%
4300 · MATERIALS/SUPPLIES - FISHERIES												
4390 · Miscellaneous	1,329.48	8,000.00	-6,670.52	16.62%	0.00				1,329.48	8,000.00	-6,670.52	16.62%
Total 4300 · MATERIALS/SUPPLIES - FISHERIES	1,329.48	8,000.00	-6,670.52	16.62%	0.00				1,329.48	8,000.00	-6,670.52	16.62%
4500 · OTHER EXPENSES - FISHERIES												
4502 · Uniforms	1,148.34	5,000.00	-3,851.66	22.97%	0.00				1,148.34	5,000.00	-3,851.66	22.97%
4503 · Permits	93.96	5,000.00	-4,906.04	1.88%	0.00				93.96	5,000.00	-4,906.04	1.88%
Total 4500 · OTHER EXPENSES - FISHERIES	1,242.30	10,000.00	-8,757.70	12.42%	0.00				1,242.30	10,000.00	-8,757.70	12.42%
4999 · GENERAL & ADMINISTRATIVE												
5000 · Director Fees	0.00				4,436.25	12,400.00	-7,963.75	35.78%	4,436.25	12,400.00	-7,963.75	35.78%
5001 · Director Mileage	0.00				255.12	600.00	-344.88	42.52%	255.12	600.00	-344.88	42.52%
5100 · Legal	0.00				14,049.90	75,000.00	-60,950.10	18.73%	14,049.90	75,000.00	-60,950.10	18.73%
5101 · Audit	0.00				8,809.31	22,750.00	-13,940.69	38.72%	8,809.31	22,750.00	-13,940.69	38.72%
5150 · Unemployment Tax	0.00				0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
5200 · Liability Insurance	0.00				46,932.74	39,400.00	7,532.74	119.12%	46,932.74	39,400.00	7,532.74	119.12%
5310 · Postage/Office Exp	0.00				2,366.64	6,000.00	-3,633.36	39.44%	2,366.64	6,000.00	-3,633.36	39.44%
5311 · Office Equip/Leases	0.00				3,944.13	13,440.00	-9,495.87	29.35%	3,944.13	13,440.00	-9,495.87	29.35%
5312 · Misc Admin Expenses	0.00				5,966.29	11,000.00	-5,033.71	54.24%	5,966.29	11,000.00	-5,033.71	54.24%
5313 · Communications	0.00				4,302.45	9,500.00	-5,197.55	45.29%	4,302.45	9,500.00	-5,197.55	45.29%
5314 · Utilities	0.00				5,243.44	9,735.00	-4,491.56	53.86%	5,243.44	9,735.00	-4,491.56	53.86%
5315 · Membership Dues	0.00				1,305.85	11,700.00	-10,394.15	11.16%	1,305.85	11,700.00	-10,394.15	11.16%
5316 · Admin Fixed Assets	0.00				2,060.64	12,000.00	-9,939.36	17.17%	2,060.64	12,000.00	-9,939.36	17.17%
5318 · Computer Consultant	0.00				16,803.74	25,000.00	-8,196.26	67.22%	16,803.74	25,000.00	-8,196.26	67.22%
5325 · Emp Training/Subscriptions	0.00				55.25	2,000.00	-1,944.75	2.76%	55.25	2,000.00	-1,944.75	2.76%
5330 · Admin Travel	0.00				140.94	3,500.00	-3,359.06	4.03%	140.94	3,500.00	-3,359.06	4.03%
5331 · Public Information	0.00				1,298.68	3,500.00	-2,201.32	37.11%	1,298.68	3,500.00	-2,201.32	37.11%
Total 4999 · GENERAL & ADMINISTRATIVE	0.00				117,971.37	262,525.00	-144,553.63	44.94%	117,971.37	262,525.00	-144,553.63	44.94%
5299 · ADMIN LABOR	0.00				347,975.17	670,202.00	-322,226.83	51.92%	347,975.17	670,202.00	-322,226.83	51.92%
5400 · GENERAL & ADMIN - FISHERIES												
5407 · Legal - FD	6,969.10	25,000.00	-18,030.90	27.88%	0.00				6,969.10	25,000.00	-18,030.90	27.88%
5410 · Postage / Office Supplies	1,221.36	4,000.00	-2,778.64	30.53%	0.00				1,221.36	4,000.00	-2,778.64	30.53%
5411 · Office Equipment / Leases	2,123.65	8,533.00	-6,409.35	24.89%	0.00				2,123.65	8,533.00	-6,409.35	24.89%
5412 · Misc. Admin Expense	3,424.97	7,500.00	-4,075.03	45.67%	0.00				3,424.97	7,500.00	-4,075.03	45.67%
5413 · Communications	2,316.66	4,455.00	-2,138.34	52.0%	0.00				2,316.66	4,455.00	-2,138.34	52.0%

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

Budget vs. Actuals July 2023 - June 2024

	Fisheries				Operations				TOTAL			
	Jul - Dec 23	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Dec 23	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Dec 23	Budget	\$ Over / (Under) Budget	% of Budget
5414 · Utilities	2,823.40	5,243.00	-2,419.60	53.85%	0.00				2,823.40	5,243.00	-2,419.60	53.85%
5415 · Membership Dues	1,703.15	7,200.00	-5,496.85	23.66%	0.00				1,703.15	7,200.00	-5,496.85	23.66%
5416 · Admin Fixed Assets	2,055.76	5,000.00	-2,944.24	41.12%	0.00				2,055.76	5,000.00	-2,944.24	41.12%
5418 · Computer Consultant	9,048.15	15,000.00	-5,951.85	60.32%	0.00				9,048.15	15,000.00	-5,951.85	60.32%
5425 · Employee Education/Subscription	29.75	2,500.00	-2,470.25	1.19%	0.00				29.75	2,500.00	-2,470.25	1.19%
5426 · Director Fees	2,388.75	6,700.00	-4,311.25	35.65%	0.00				2,388.75	6,700.00	-4,311.25	35.65%
5427 · Director Mileage	137.37	300.00	-162.63	45.79%	0.00				137.37	300.00	-162.63	45.79%
5430 · Travel	490.89	4,000.00	-3,509.11	12.27%	0.00				490.89	4,000.00	-3,509.11	12.27%
5431 · Public Information	699.29	1,500.00	-800.71	46.62%	0.00				699.29	1,500.00	-800.71	46.62%
5441 · Audit	4,902.69	12,250.00	-7,347.31	40.02%	0.00				4,902.69	12,250.00	-7,347.31	40.02%
5443 · Liab & Property Ins	25,271.47	22,000.00	3,271.47	114.87%	0.00				25,271.47	22,000.00	3,271.47	114.87%
Total 5400 · GENERAL & ADMIN - FISHERIES	65,606.41	131,181.00	-65,574.59	50.01%	0.00				65,606.41	131,181.00	-65,574.59	50.01%
5499 · ADMIN LABOR-FISHERIES	119,331.75	296,750.00	-177,418.25	40.21%	0.00				119,331.75	296,750.00	-177,418.25	40.21%
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												
6097 · GIS and Mapping	0.00				4,985.00	10,000.00	-5,015.00	49.85%	4,985.00	10,000.00	-5,015.00	49.85%
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				4,943.04	80,000.00	-75,056.96	6.18%	4,943.04	80,000.00	-75,056.96	6.18%
6125 · 2023 Winter Storm Repairs	0.00				597,726.45	1,175,000.00	-577,273.55	50.87%	597,726.45	1,175,000.00	-577,273.55	50.87%
6138 · Cachuma Watershed Mgmt Study	0.00				30,124.74	50,000.00	-19,875.26	60.25%	30,124.74	50,000.00	-19,875.26	60.25%
Total 6199 · SPECIAL PROJECTS	0.00				637,779.23	1,370,000.00	-732,220.77	46.55%	637,779.23	1,370,000.00	-732,220.77	46.55%
6000 · INFRASTRUCTURE IMPROVEMENT PROJ												
6055 · Bradbury Dam Outlet Works	0.00				117,159.74	140,000.00	-22,840.26	83.69%	117,159.74	140,000.00	-22,840.26	83.69%
6096 · SCC Structure Rehabilitation	0.00				0.00	60,000.00	-60,000.00	0.0%	0.00	60,000.00	-60,000.00	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				117,159.74	1,300,000.00	-1,182,840.26	9.01%	117,159.74	1,300,000.00	-1,182,840.26	9.01%
6200 · PROGRAM SUPPORT SERVICES												
6201 · FMP Implementation	1,925.34	42,000.00	-40,074.66	4.58%	0.00				1,925.34	42,000.00	-40,074.66	4.58%
6202 · GIS and Mapping	3,135.00	10,000.00	-6,865.00	31.35%	0.00				3,135.00	10,000.00	-6,865.00	31.35%
6205 · USGS Stream Gauge Program	30,205.00	120,000.00	-89,795.00	25.17%	0.00				30,205.00	120,000.00	-89,795.00	25.17%
6225 · 2023 Winter Storm Repairs	214,034.82				0.00				214,034.82	0.00	214,034.82	100.0%
Total 6200 · PROGRAM SUPPORT SERVICES	249,300.16	172,000.00	77,300.16	144.94%	0.00				249,300.16	172,000.00	77,300.16	144.94%
6300 · HABITAT IMPROVEMENT PROJECTS												
6207 · Oak Tree Restoration Program	916.87	15,000.00	-14,083.13	6.11%	0.00				916.87	15,000.00	-14,083.13	6.11%
6303 · Tributary Projects Support	570.00	10,000.00	-9,430.00	5.7%	0.00				570.00	10,000.00	-9,430.00	5.7%
Total 6300 · HABITAT IMPROVEMENT PROJECTS	1,486.87	25,000.00	-23,513.13	5.95%	0.00				1,486.87	25,000.00	-23,513.13	5.95%
Total Expense	\$ 859,156.51	\$ 1,533,913.00	\$ (674,756.49)	56.01%	\$ 1,877,319.26	\$ 5,453,875.00	\$ (3,576,555.74)	34.42%	\$ 2,736,475.77	\$ 6,987,788.00	\$ (4,251,312.23)	39.16%
Net Surplus / Deficit	\$ (26,467.46)	\$ -	\$ (26,467.46)	100.0%	\$ (275,575.67)	\$ -	\$ (275,575.67)	100.0%	\$ (302,043.13)	\$ -	\$ (302,043.13)	100.0%

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	January 22, 2024
Submitted by:	Janet Gingras

SUBJECT: Investment Report – December 31, 2023

RECOMMENDATION

The Board of Directors receive and file the Cachuma Operation & Maintenance Board Investment Report as of December 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 December 2023, is reported at 3.93%.

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

Table 1			
Unrestricted Reserve Funds			
Local Agency Investment Fund (LAIF)			
	11/30/2023		1,460,374.22
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	12/31/2023	\$	1,460,374.22

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	11/30/2023	\$	223,525.95
(+) Deposits/Credits			34,815.31
(-) Checks/Withdrawals			(132,179.00)
Statement Balance	12/31/2023	\$	163,316.95
American Riviera Bank			
Warren Act Trust Fund			
Previous Balance	11/30/2023	\$	290,036.59
(+) Deposits/Credits			-
(-) Checks/Withdrawals			(186,003.05)
Statement Balance	12/31/2023	\$	104,033.54

STATEMENT

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

Date	Num	Name	Memo	Amount
1050 - General Fund				
12/04/2023	30722	Association of Ca Water Agencies/JPIA	January 2024 Health Benefits Premium	-33,403.43
12/04/2023	30723	Cori Hayman	Director Meeting Fees November 2023	-208.10
12/04/2023	30724	Earth Systems	Lauro Reservoir Bypass Channel & Road Repair	-6,538.50
12/04/2023	30725	ECHO Communications	Message Service December 2023	-87.00
12/04/2023	30726	Famcon Pipe & Supply	Materials (Ops)	-1,131.76
12/04/2023	30727	Federal Express	Water Sample Shipping (Ops)	-202.88
12/04/2023	30728	Forestry Suppliers, Inc.	Supplies (Fisheries)	-328.31
12/04/2023	30729	Frontier Communications	Phone Service - North Portal	-67.01
12/04/2023	30730	Frontier Communications	Phone Service - Main Office Land Lines	-99.14
12/04/2023	30731	Harrison Hardware	Fisheries & Oak Tree Program Supplies	-432.82
12/04/2023	30732	Home Depot Credit Services	Supplies (Ops)	-62.10
12/04/2023	30733	Lauren W. Hanson	Director Meeting Fees November 2023	-201.55
12/04/2023	30734	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 11/10 & 11/24	-227.00
12/04/2023	30735	Polly Holcombe	Director Meeting Fees November 2023	-213.53
12/04/2023	30736	Staples Business Credit	Office Supplies (Ops \$ Fisheries)	-504.93
12/04/2023	30737	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee	-178.00
12/04/2023	30738	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 6054ci	-303.41
12/04/2023	30739	Zac Gonzalez Landscaping & Tree Care	Landscape Maintenance November 2023	-480.00
12/08/2023	30740	ACWA/Joint Powers Insurance Authority	General Liability & Auto Deposit Premium 10/1/23-10/1/24	-58,006.00
12/08/2023	30741	AT&T	Long Distance Service November 2023	-39.39
12/08/2023	30742	City of Santa-Barbara	Trash & Recycling November 2023	-342.76
12/08/2023	30743	Coastal Copy, Inc.	Copier Maintenance - Kyocera Taskalfas 3253ci & 6054ci	-214.97
12/08/2023	30744	Cox Communications Santa Barbara	Business Internet December 2023	-195.44
12/08/2023	30745	Forestry Suppliers, Inc.	Supplies (Fisheries)	-116.86
12/08/2023	30746	HDR Engineering, Inc.	FMP Implementation & Tributary Support - Engineering Services	-11,697.68
12/08/2023	30747	Ian's Tire & Auto Repair	Trailer Tires (Fisheries)	-367.75
12/08/2023	30748	Marborg Industries	Portable Facilities - Outlying Stations (Ops)	-423.76
12/08/2023	30749	O'Reilly Automotive, Inc.	Wiper Blades for Ford Ranger (Fisheries)	-44.35
12/08/2023	30750	Southern California Edison	Electricity - Main Office & Outlying Stations	-1,383.59
12/08/2023	30751	Spatial Wave	GIS & Mapping - Field Mapplet Software Maintenance January-March 2024 (Ops)	-925.00
12/08/2023	30752	SWRCB Fees	Annual Permit Fee - Ortega Reservoir	-3,576.00
12/08/2023	30753	Tierra Contracting, Inc.	2023 Winter Storm Repairs - Lauro Reservoir Bypass Channel & Road Repair	-8,918.12
12/08/2023	30754	WEX Fleet Universal	Fleet Fuel November 2023	-4,059.68
12/18/2023	30755	Badger Daylighting Corp	2023 Storm Repairs - Lauro Spillway Cleanout	-7,551.82
12/18/2023	30756	Employee Relations, Inc.	Pre-Employment Background Check (Ops & Fisheries)	-127.22
12/18/2023	30757	Eurofins Eaton Analytical, LLC	Cachuma Water Quality Testing	-1,600.00
12/18/2023	30758	Flowers & Associates, Inc.	2023 Winter Storm Damage Repair- Engineering Services	-1,659.00
12/18/2023	30759	Geosyntec Consultants	Lake Cachuma Water Quality & Sediment Study - Professional Services	-9,944.42
12/18/2023	30760	Hayward Santa Barbara	Generator 3200WT Honda Quiet W/ CO Sensor (Ops)	-2,826.41
12/18/2023	30761	Hayward Santa Barbara	Supplies (Ops)	-38.25
12/18/2023	30762	Impulse Advanced Communications	Phone Service - Main Office	-886.87
12/18/2023	30763	LoopUp, LLC	Conference Calls November 2023	-26.62
12/18/2023	30764	PG&E	Electricity - Tecolote Tunnel	-25.02
12/18/2023	30765	Powell Garage	2005 Ford - F550 Super Duty - Coolant System Repair (Ops)	-1,941.18
12/18/2023	30766	Rayne of Santa Barbara Inc	November & December RO Rental	-66.50
12/18/2023	30767	The Gas Company	Natural Gas - Main Office	-62.44
12/18/2023	30768	Turenchalk Network Services, Inc.	Network Support (Ops & Fisheries)	-4,013.30
12/18/2023	30769	Verizon Wireless	Cellular Service - Wireless Modems (Ops)	-266.09
12/18/2023	30770	Verizon Wireless	Operations Cell Phones & iPads	-386.45
12/26/2023	30771	American Riviera Bank - Card Service	Website, Acrobat, Supplies, Dell Workstations (2), Rain Gear (Ops)	-7,278.36
12/26/2023	30772	City of Santa-Barbara	Trash & Recycling Balance Due	-39.02
12/26/2023	30773	Cushman Contracting Corp.	EPFP Pumping System - Pay Req 116	-3,500.00
12/26/2023	30774	ECHO Communications	Message Service December 2023	-87.00
12/26/2023	30775	Eurofins Eaton Analytical, LLC	Cachuma Water Quality Testing	-950.00
12/26/2023	30776	Farm Supply Company	2023 Winter Storm Repair - Spillway Basin - Fence Repair	-55.22

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

Date	Num	Name	Memo	Amount
12/26/2023	30777	FP Mailing Solutions	Postage Meter Rental (Ops & Fisheries)	-211.41
12/26/2023	30778	Kristen Sneddon	Director Meeting Fees December 2023	-200.43
12/26/2023	30779	Lauren W. Hanson	Director Meeting Fees December 2023	-403.10
12/26/2023	30780	PG&E	Electricity - North Portal	-451.42
12/26/2023	30781	Polly Holcombe	Director Meeting Fees December 2023	-427.06
12/26/2023	30782	Sansum Clinic-Occupational Medicine	Pre-Employment Physical (Fisheries)	-278.00
12/26/2023	30783	Sparkletts	Operations Safety	-114.36
12/26/2023	30784	SWRCB Fees	Drinking Water Discharge Permit Fee	-3,576.00
12/26/2023	30785	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 3253ci	-123.98
Total 1050 · General Fund				<u>-184,097.77</u>
TOTAL				<u>-184,097.77</u>

Approved for Payment

Director _____

Director _____

Director _____

CACHUMA OPERATION & MAINTENANCE BOARD

Fisheries Committee Meeting

Tuesday, January 16, 2024

1:45 PM

AGENDA

Chair: Director Hanson

Member: Director Hayman

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter on the agenda and within the Committee's jurisdiction*)
3. Wildlife Conservation Board Grant Application – Quiota Creek and El Jaro Creek Fish Passage Enhancement Projects related to 2023 Storm Damage (*for information and possible recommendation*)
4. Update on Recent Fisheries Division Activities (*for information*)
 - Field Observations
5. Adjournment

NOTICE TO THE PUBLIC

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

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

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

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

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

SUBJECT: License Agreement – U.S. Bureau of Reclamation

RECOMMENDATION:

The Board of Directors review the proposed license agreement between the U.S. Bureau of Reclamation (Reclamation) and the Cachuma Operation and Maintenance Board (COMB) for the operation and maintenance of the Modified Upper Reach Reliability Project on Reclamation acquired land and authorize the COMB General Manager to execute Contract No. 23-LC-20-3198.

BACKGROUND:

In the 1950s, Reclamation acquired certain lands for the construction of the Cachuma Project for the diversion, storage, carriage, and distribution of the Santa Ynez River and its tributaries for irrigation, municipal, industrial, domestic, and other uses. Shortly thereafter, Reclamation executed a contract with the Santa Barbara County Water Agency acting on behalf of the Cachuma Project Member Units for the purpose of receiving water from the Cachuma Project. Through a Transferred Project Works agreement executed with Reclamation, COMB is authorized to operate and maintain federally owned Cachuma Project Facilities. Over the past seventy years, the Cachuma Project has been the principal water supply for the Santa Ynez Valley and the South Coast Communities, delivering water to over 200,000 people.

SUMMARY:

On March 26, 2012, COMB obtained an MP-620 from Reclamation for the construction of the 2nd Barrel Project, later revised to become the Modified Upper Reach Reliability Project (MURRP), which consists of approximately 2,211 feet of 48-inch diameter cement-mortar lined and coated, welded steel pipe and appurtenant facilities. This project was constructed by COMB pursuant to a contract, at a cost of approximately \$4.2m, to increase the operational flexibility, reliability, and the conveyance capacity of the South Coast Conduit (SCC) between the South Portal of the Tecolote Tunnel and the Glen Annie turnout. The project was approved by the COMB Board in 2011 and constructed accordingly to accommodate peak demand levels and to allow maintenance of the original pipeline.

In August 2023, in coordination with its Fiscal Year 2022-23 year-end financial audit, COMB initiated discussions with Reclamation staff related to capitalizing the assets COMB has paid for and installed within the federal easement. In response, Reclamation prepared a draft license agreement which outlines terms and conditions including compliance with environmental regulations and local, state and federal requirements. The license agreement provides COMB's auditors the documentation necessary to capitalize the asset.

The attached license agreement is presented to the Board of Directors for consideration and approval.

FISCAL IMPACTS:

Capitalizing certain COMB owned assets within Reclamation's easement which have been constructed and paid for by COMB will significantly improve COMB's financial position. Reclamation has waived all Use Fees for rights granted under the license agreement in accordance with Federal Code 43 CFR part 429.26, subpart F(a)(7).

LEGAL CONCURRENCE:

Legal Counsel has reviewed the proposed license agreement between Reclamation and COMB.

LIST OF EXHIBITS:

1. Modified Upper Reach Reliability Project (MURRP) License Agreement – Contract No. 23-LC-20-3198

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION**

**LICENSE FOR THE OPERATION AND MAINTENANCE OF
A PIPELINE AND PIPELINE FACILITIES ON RECLAMATION ACQUIRED LAND
Lake Cachuma, Cachuma Project**

THIS LICENSE is provided pursuant to the Reclamation Act of 1902, dated June 17, 1902 (32 Stat. 388), and all other acts amendatory or supplementary thereto, including but not limited to Section 10(b) of the Reclamation Project Act of 1939, as amended, is entered into, by and between THE UNITED STATES OF AMERICA (United States), acting by and through its Department of the Interior, Bureau of Reclamation (Reclamation), by the duly authorized officer executing this License, to:

Cachuma Operation and Maintenance Board
3301 Laurel Canyon Rd
Santa Barbara, CA 93105

hereinafter collectively referred to as the "Licensee."

RECITALS

WHEREAS, Reclamation acquired certain lands for the construction of the Cachuma Project, for diversion, storage, carriage, and distribution of the Santa Ynez River and its tributaries for irrigation, municipal, industrial, domestic, and other uses, in Santa Barbara County, California; and

WHEREAS, on March 1st, 2003, the Licensee and Reclamation entered into Contract No. 14-06-200-5222R which, as amended, authorizes the Licensee to serve as the Operating Non-Federal Entity, for the operation and maintenance (O&M) of the following Cachuma Project Facilities: Tecolote Tunnel Intake Tower, Tecolote Tunnel, South Coast Conduit (SCC), and four regulating reservoirs; and

WHEREAS, on March 26, 2012, the Licensee obtained an MP-620 from Reclamation for the construction of the 2nd Barrel Project, later revised to become the Modified Upper Reach Reliability Project (MURRP Project or Project), which consists of approximately 2,211 feet of 48-inch diameter cement-mortar lined and coated (CML&C) welded steel pipe (WSP) and appurtenant facilities. This project was constructed by the Licensee, pursuant to a contract, to increase the operational flexibility, reliability, and the conveyance capacity of the SCC between South Portal of the Tecolote Tunnel and the Glen Annie turnout to accommodate peak demand levels and to allow maintenance of the original pipeline; and

WHEREAS, in early 2011, the Licensee's Board of Directors (Board) authorized a Project budget spanning over two fiscal years (FY 2011 and FY 2012) for expenditures related to the construction of the \$4.2m Project; and

WHEREAS, on December 19, 2011, the Board approved the construction contract with Blois Construction, Inc. to construct the Project; and

WHEREAS, the Project was considered substantially complete in December 2012 and on February 27, 2013, a notice of completion was issued to Blois Construction, Inc. for the completion of the Project; and

WHEREAS, the Licensee has requested authorization from Reclamation to continue the O&M of the Project on Reclamation land,

WHEREAS, Reclamation has determined that the Licensee's Project is not, at this time, incompatible with the purpose for which the land was obtained; and

NOW THEREFORE, in consideration of these mutual agreements and, subject to the terms and conditions herein contained, Reclamation and the Licensee hereby agree as follows:

LICENSE

1. LICENSED PREMISES. Subject to the following terms and conditions, the United States issues to the Licensee, without warranty of title, a non-exclusive License for access on, over, and across Reclamation's land, to O&M the Project within a portion of said land acquired by the United States for the Cachuma Project, hereinafter known as the as "Licensed Premises," and shown on "*Exhibit A*," attached hereto and made a part hereof.

2. TERM. This License is personal, revocable, and nontransferable and will become effective on the date signed and executed by Reclamation below and, unless otherwise sooner terminated, will continue for **twenty-five (25) years**, and will continue so long as in the opinion of Reclamation it is considered expedient and not detrimental to the public interest, and will be revocable in accordance with the provisions in Article 9. Upon such revocation or termination,

the aforesaid Project will be removed without delay at the expense of the Licensee. The Licensee will leave the site in a condition satisfactory to Reclamation.

3. OPTION TO EXTEND TERM. This License may be extended, at the discretion of Reclamation, for subsequent additional License term(s) of twenty-five (25) years. If the Licensee desires to exercise the renewal option, the Licensee shall submit, in writing, their desire to extend the License into the next term at least two (2) years in advance to the expiration of the current License term. If the option to extend the term is approved, Reclamation will provide written approval to Licensee. If proper notification of the desire to extend the License into the next term extension period is not given to Reclamation in the above-specified manner, the License will expire at the end of the current twenty-five (25) year term.

4. HOLD HARMLESS CLAUSE. The Licensee hereby agrees to indemnify the United States, and all of its representatives harmless from, all damages resulting from suit actions, or claims of any character, brought on account of any injury to any person or property arising out of any act, omission, neglect, or misconduct in the manner or method of performing any construction, care, operation, maintenance, supervision, examination, inspection, or other activities of the Licensee.

5. O&M STANDARDS.

(a) The Licensee, at its sole expense, shall O&M the Project and shall keep it, and its related appurtenances, in good and safe condition to the reasonable satisfaction of the Reclamation. Additional construction, relocation, or use of the Licensed Premises, which is not in accordance with this License, shall not be initiated without prior written approval of the United States; and

(b) Reclamation reserves the right of their officers, agents, and employees, at all times, to inspect the Project during O&M activities. If Licensee fails to maintain the Project to the satisfaction of Reclamation and in accordance with local, state, and federal requirements, Reclamation reserves the right to terminate this License in accordance with Article 9; and

(c) O&M of the Project shall be accomplished to the satisfaction of Reclamation, by and at the sole expense of the Licensee, and in compliance with plans and specifications which have been reviewed, approved, and submitted to Reclamation as per the MP-620; and

(d) O&M of the Project shall be conducted in accordance with all applicable federal, state, and local safety and environmental regulations. Licensee shall execute and maintain its work so as to avoid injury or damage to any person or property. All work shall be done in conformance with applicable State of California, Division of Occupational Safety and Health (DOSH), Occupational Safety and Health Administration Standards; and

(e) During O&M authorized by this License, if a situation develops as a direct result of Licensee's activities on the Licensed Premises which, in the reasonable opinion of Reclamation, presents a threat to the safety of Reclamation property, facilities, or of any person, Licensee shall take immediate action to eliminate the threat. In the event Licensee does not immediately provide the necessary protection, Reclamation reserves the right, after notifying Licensee, to take such action as may be necessary to eliminate the immediate threat, and Licensee, upon receipt of an itemized statement, shall reimburse Reclamation for all such costs; and

(f) The Licensee shall ensure access to all existing Reclamation facilities during O&M of the Project and coordinate any closing of access with Reclamation; and

(g) Any damage caused by the Licensee to Reclamation facilities, including damage to surrounding property, shall be at the sole cost of the applicant. The Licensee shall promptly repair any damage it causes to Reclamation facilities including but not limited to: service roads, access roads, culvert crossings, bridges, fences, gates, posts, and equipment. Any construction, alterations, and repairs to Reclamation facilities shall be in accordance with plans previously submitted by the Licensee and approved by Reclamation; and

(h) No signs or any form of commercial advertisement will be posted in, on, or around the Licensed Premises without Reclamation's written permission, excepting those required for Project and worker safety purposes; and

(i) Licensee accepts the Licensed Premises "as is" and acknowledges that Reclamation is under no obligation to improve the present condition of the Licensed Premises prior to, during, or after construction of the Project.

6. LIMITATION ON RIGHTS GRANTED. This License is granted subject to existing rights in favor of the public or third parties for highways, roads, railroads, telegraph, telephone and electrical transmission lines, canals, laterals, ditches, flumes, siphons, and pipelines on, over, and across the Licensed Premises. The Licensee recognizes that it has sole responsibility to make whatever arrangements are necessary to obtain such rights, as may be needed by the Licensee, from any other party or parties holding any other interest in the Licensed Premises.

7. COVENANTS. The Licensee shall not:

(a) Store any hazardous material on Reclamation land acquired for the Cachuma Project.

(b) Leave waste and debris on Reclamation land.

8. **USE FEE.** In accordance with 43 CFR Part 429.26, Subpart F (a) (7), all Use Fees for the rights granted herein have been waived. After this License has been issued, periodic field reviews will be conducted to monitor the use to ensure it is in compliance with the provisions of this License.

9. **TERMINATION CLAUSES.** Any activity deemed to be illegal on federal lands will be cause for immediate termination of this License. This License will terminate, and all rights of the Licensee hereunder will cease, and the Licensee will quietly deliver to the United States possession of the Licensed Premises in like condition as when taken, reasonable wear and damage by the elements excepted:

(a) The United States, acting through Reclamation, Department of the Interior, reserves rights to construct, operate, and maintain public works now or hereafter authorized by the Congress without liability for termination of this License or other damage to the Licensee's activities or facilities.

(b) Reclamation may, at any time and at no cost or liability to the United States, terminate any use authorization in the event of a natural disaster, a national emergency, a need arising from security requirements, or an immediate and overriding threat to public health and safety.

(c) Reclamation may, at any time and at no cost or liability to the United States, terminate any use authorization for activities other than existing authorized private exclusive recreational or residential use as defined under § 429.2 if Reclamation determines that any of the following apply:

- i. The use has become incompatible with authorized project purposes, project operations, safety, and security; or
- ii. A higher public use is identified through a public process described at § 429.32(a)(1); or
- iii. Termination is necessary for operational needs of the project.

(d) Reclamation may, at any time and at no cost or liability to the United States, terminate any use authorization if Reclamation determines that the Licensee has failed to use the use authorization for its intended purpose. Further, failure to construct within the timeframe specified in the terms of the use authorization may constitute a presumption of abandonment of the requested use and cause termination of the use authorization.

(e) Reclamation may, at any time and at no cost or liability to the United States, terminate any use authorization if the Licensee fails to comply with all applicable federal, state, and local laws, regulations, ordinances, or terms and conditions of any use authorization, or to obtain any required permits or authorizations.

- (f) At the expiration of the term as provided by Article 2; or,
 - i. Without notice, upon default in payment to the United States of any installment of use fee charges as provided by Article 8; or,
 - ii. On date, of any year, upon written notice to Licensee, served ten (10) days in advance thereof; or,
 - iii. After failure of the Licensee to observe any of the conditions of this License, and on the tenth day following service of written notice on the Licensee of termination because of failure to observe such condition.

(g) The notices provided by this Article will be served by certified mail addressed to the respective post office addresses given in Article 19 and the mailing of any such notice properly enclosed, addressed, stamped, and certified, will be considered service. If the termination under this Article 9 (f.(ii)) or Article 9 (f.(iii)) should be effective at a date prior to the date of the termination of the then-current License, for which prepayment of use fees will have been made, an appropriate refund or part of the use fee for such then-current License will be made.

(h) If this License is terminated under Article 9 (f.(iii)), the United States reserves the right to bar the Licensee from the authorization to use acquired or withdrawn public land on the Project for a period of time, as determined by Reclamation's Area Manager for the South-Central California Area Office (Area Manager).

10. HEALTH AND SAFETY STANDARDS. The Licensee and its contractors shall at all times exercise all necessary precautions for the safety of employees appropriate to the nature of the work and the conditions under which the work is to be performed, and shall comply with all applicable federal, state and local statutory and regulatory requirements including California Department of Industrial Relations (Cal/OSHA) regulations.

11. HAZARDOUS MATERIALS. During the term of this License, the Licensee and/or its contractor(s) hereby agree as follows:

(a) The Licensee may not allow contamination or pollution of federal land, facilities, and waterbodies and for which the Licensee has the responsibility for care, operation, and maintenance by its employees or agents and shall take reasonable precautions to prevent such contamination or pollution by third parties. Substances causing contamination or pollution shall include, but are not limited to, hazardous materials, thermal pollution, refuse, garbage, sewage effluent, industrial waste, petroleum products, mine tailings, mineral salts, misused pesticides, pesticide containers, or any other pollutants.

(b) The Licensee shall comply with all applicable federal, state, and local laws and regulations, and Reclamation policies and directives and standards, existing or hereafter enacted or promulgated, concerning any hazardous material that will be used, produced, transported, stored, or disposed of on or in federal lands, waters or facilities.

(c) "Hazardous material" means any substance, pollutant, or contaminant listed as hazardous under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, 42 U.S.C. § 9601, et seq., and the regulations promulgated pursuant to that Act.

(d) Upon discovery of any event which may or does result in contamination or pollution of federal lands, waters or facilities, the Licensee shall initiate any necessary emergency measures to protect health, safety and the environment and shall report such discovery and full details of the actions taken to the Area Manager. Reporting may be within a reasonable time period. A reasonable time period means within twenty-four (24) hours of the time of discovery if it is an emergency or by the first working day if it is a non-emergency. An emergency is any situation that requires immediate action to reduce or avoid endangering public health and safety or the environment.

(e) Violation of any of the provisions of this Article, as determined by the Area Manager, may constitute grounds for termination of this License. Such violations require immediate corrective action by the Licensee and shall make the Licensee liable for the cost of full and complete remediation and/or restoration of any federal resources or facilities that are adversely affected as a result of the violation.

(f) The Licensee agrees to include the provisions contained in paragraphs (a) through (f) of this Article in any subcontract or third-party contract it may enter into pursuant to this License.

(g) Reclamation agrees to provide information necessary to enable the Licensee, using reasonable diligence, to comply with the provisions of this Article.

12. DISCOVERY OF CULTURAL RESOURCES. The Licensee shall immediately provide an oral notification of the discovery of any and all antiquities or other objects of archaeological, paleontological, cultural, historic, or scientific interest on Reclamation land to Reclamation's Regional Archaeologist at (916) 978-5028. Objects under consideration include, but are not limited to, historic or prehistoric ruins, human remains, funerary objects, and artifacts discovered as a result of activities under this authorization. The Licensee shall forward a written report of its findings to Reclamation's Regional Archaeologist within forty-eight (48) hours by certified mail. The Licensee shall immediately cease the activity in the area of the discovery, make a reasonable effort to protect such discovery, and wait for written approval from Reclamation's Regional Archaeologist before resuming the activity. Protective and mitigative

measures specified by Reclamation's Regional Archaeologist shall be the responsibility of the Licensee.

13. DISCOVERY OF HUMAN REMAINS. The Licensee shall immediately provide an oral notification of the discovery of human remains on Reclamation land to Reclamation's Regional Archaeologist at (916) 978-5028. The Licensee shall forward a written report of its findings to Reclamation's Regional Archaeologist within 48 hours by certified mail. The Licensee shall immediately cease activity, stabilize, and protect such discoveries until authorized to proceed by Reclamation's Regional Archaeologist. Protective and mitigative measures specified by Reclamation's Regional Archaeologist shall be the responsibility of the Licensee.

14. ENVIRONMENTAL COMMITMENTS. An Environmental Impact Statement/Environmental Impact Report (EIS/EIR) dated February 2009 identified and evaluated the potential environmental impacts associated with the implementation of the project. The COMB Board of Directors certified the EIR/EIS through their Resolution No. 485 adopted on March 23, 2009. The Licensee shall comply with the terms and conditions of EIS/EIR, and any other successor or then-current applicable environmental compliance document. Please direct any questions or comments regarding the Environmental Commitments to Reclamation's Supervisory Natural Resource Specialist at (559) 262-0300.

15. UNRESTRICTED ACCESS. Reclamation reserves the right of their officers, agents, and employees at all times to have unrestricted access and ingress to, passage over, and egress from all of said lands, to make investigations of all kinds, dig test pits and drill test holes, to survey for and construct reclamation and irrigation works and other structures incidental to federal Reclamation projects, or for any purpose whatsoever. Reclamation will make every reasonable effort to keep damages to a minimum.

16. REMOVAL OF STRUCTURES. Unless otherwise agreed upon by the parties at the time, upon the expiration, termination, or revocation of this License, if all use fee charges and damage claims due Reclamation have been paid, the Licensee shall remove all structures, equipment, or other improvements made by it from the premises at no cost to the United States. Upon failure to remove any such improvements within sixty (60) days of expiration, termination, or revocation, any remaining improvements shall, at the option of the United States, be removed or become the property of the United States. The Licensee shall pay all expenses of the United States, or its assigns, related to removal of such improvements.

17. SEVERABILITY. Each provision of this License shall be interpreted in such a manner as to be valid under applicable law, but if any provision of this License shall be deemed or determined by competent authority to be invalid or prohibited hereunder, such provision shall be ineffective and void only to the extent of such invalidity or prohibition but shall not be deemed ineffective or invalid as to the remainder of such provision or any other remaining provisions, or of this License as a whole.

18. OFFICIALS NOT TO BENEFIT. No Member of Congress shall be admitted to any share or part of any contract or agreement made, entered into, or accepted by or on behalf of the United States, or to any benefit to arise thereupon.

19. NOTICES.

(a) Any notice, demand, or request required or authorized by this License to be given or made to or upon the United States shall be deemed properly given or made if delivered or mailed postage-prepaid to the Area Manager, Bureau of Reclamation, South-Central California Area Office, 1243 "N" Street, Fresno, CA 93721-1813.

(b) Any notice, demand, or request required or authorized by this License to be given or made to or upon the Licensee shall be deemed properly given or made if delivered or mailed postage-prepaid to the General Manager, Cachuma Operation and Maintenance Board, 3301 Laurel Canyon Road, Santa Barbara CA 93105-2017, CA 93635-1231.

(c) The designation of the person to or upon whom any notice, demand, or request is to be given or made, or the address of such person may be changed at any time by notice given in the same manner as provided in this Article for other notices.

20. NO WARRANTY. The United States makes no warranty, expressed or implied, as to the extent or validity of the grant contained herein, or the condition at any time of the Licensed Premises, or any of the property of the United States thereon, or the suitability of the Licensed Premises for the purposes of the Licensee.

21. COVENANT AGAINST CONTINGENT FEES. The Licensee warrants that no person or agency has been employed or retained to solicit or secure this agreement upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established agencies maintained by the Licensee for the purpose of securing business. For breach or violation of this warranty, the United States shall have the right to annul this agreement without liability or in its discretion to require the Licensee to pay, in addition to the use authorization price or consideration, the full amount of such commission, percentage, brokerage, or contingent fee.

IN WITNESS WHEREOF this License is given as of the date of execution written below.

UNITED STATES OF AMERICA

Area Manager
South-Central California Area Office
Bureau of Reclamation

Date

ACCEPTED:

The Licensee, by signature below, agrees to the terms and conditions above.

General Manager
Cachuma Operation and Maintenance Board

Date



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.”

January 22, 2024

General Manager Report

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

Administration

- **Contracts Executed by the General Manager – 2nd Quarter Fiscal Year 2023-24**

Pursuant to the COMB Procurement Policy adopted by the Board, a quarterly report of all contracts executed by the General Manager for the period of October 1, 2023 through December 31, 2023 is presented for information.

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

Table 1 below lists all contracts executed by the General Manager for the period October 1, 2023 through December 31, 2023, sorted by execution date.

Table 1					
Contracts Executed by General Manager					
October 1, 2023 through December 31, 2023					
Vendor Name	Contract Description	Board Approved	Date Executed	Date Expires	Contract Amount
O'Connor Pest Control West Coast	Casitas Pass Control Building Termite Treatment & Repair		10/23/2023	11/30/2023	\$7,800
Earth Systems Pacific	Soil Compaction & Concrete Testing - Lauro Reservoir Bypass Channel/Road Repair Project		10/27/2023	12/31/2023	\$9,475
Western Oilfields Supply Co. dba Rain for Rent	De-Water Stilling Basin at Bradbury Dam During Valve Replacement	11/13/2023	11/06/2023	11/30/2023	\$140,000

- **ACWA/JPIA Webinar: 2024 Employment Law Update**

COMB Administrative staff attended a virtual 2024 Employment Law Update hosted by Robert Greenfield, ACWA JPIA General Counsel. Staff will work with COMB's legal counsel to revise the COMB Personnel Policy and Employee Handbook. Notable laws going into effect in 2024 are:

Senate Bill 616 Paid Sick Leave (Effective: January 1, 2024)

Expands the existing paid sick leave entitlements currently available to employees under the Healthy Workplaces, Healthy Families Act of 2014 (HWHFA). Employers are required to provide five days or forty hours of Paid Sick Leave (PSL) (including part-time, temporary or seasonal employees). PSL can be provided (1) at the rate of one hour for every 30 hours worked, (2) based on an alternative method that provides accrual on a regular basis and results in employees receiving at least three days/24 hours by the 120th day of each year that they are employed, or (3) on an upfront basis, such that employees receive at least three days or 24 hours of PSL per year.

Senate Bill 848 Reproductive Leave Loss (Effective: January 1, 2024)

Employers are required to provide five days of unpaid leave following a reproductive loss event. While the protected leave need not be used consecutively, it must be used within three months of the qualified event. If an employee suffers multiple reproductive loss events, SB 848 allows for a maximum of 20 days of protected leave over a 12-month period.

SB 553 Workplace Violence Program (Effective: July 1, 2024)

Employers must adopt a comprehensive IIPP plan specifically aimed at prevention of workplace violence. ACWA JPIA will provide its members with a sample policy.

- **Staff Planning Activities**

Staff from all divisions continue their effort in analyzing planned operational expenditures for the second half of this fiscal year in addition to developing respective annual work plans and the 5-year Infrastructure Improvement Plan (IIP) to inform and support the upcoming operating budget development for Fiscal Year 2024-25. In the next few weeks, staff will be hosting a meeting with the Member Agencies technical staff to review the IIP and components contained within. The Operating Committee will be presented with the IIP once comments from the Member Agencies have been incorporated.

Respectfully submitted,

Janet Gingras

General Manager

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: January 22, 2024

TO: Janet Gingras, General Manager

FROM: Joel Degner, Engineer/Operations Division Manager

RE: MONTHLY ENGINEERING REPORT

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

CLIMATE CONDITIONS

The Water Year 2023-2024 rainfall totals are 90% to date as of 1/16/24 for the County of Santa Barbara. Based on the Climate Prediction Center, El Niño is expected to gradually weaken and return to neutral conditions during Spring 2024. On December 21, 2023 Santa Barbara County received a large storm and during a 3-hour period approximately 3 inches of rainfall with average rate of 1 in/hr. This sustained, intense rainfall rate tested the 2023 winter storm damage repairs. All the repairs and roadways remained clear with no further damage. Some additional sediment was transported into the Lauro Spillway Stilling Well but the system flowed freely during the storm event.

LAKE ELEVATION PROJECTION

The Cachuma Reservoir elevation was 747.05' (90.7%, 174,981 acre-feet) as of January 16, 2024. The modeling projections of lake elevations below are based approximately on the drought that occurred after the 2011 spill with some modifications.

Parameter	Optimistic	Realistic	Conservative
SCC Exports	80% Forecast	Forecast	120% of Forecast
CCWA Inflow	120% Forecast	Forecast	80% of Forecast
WR 89-18 Release (2024)	0 AF	0 AF	0 AF
WR 89-18 Release (2025)	16,000 AF	16,000 AF	16,000 AF
Fish Releases	100% of Rec Tables	100% of Rec Tables	120% of Rec Tables

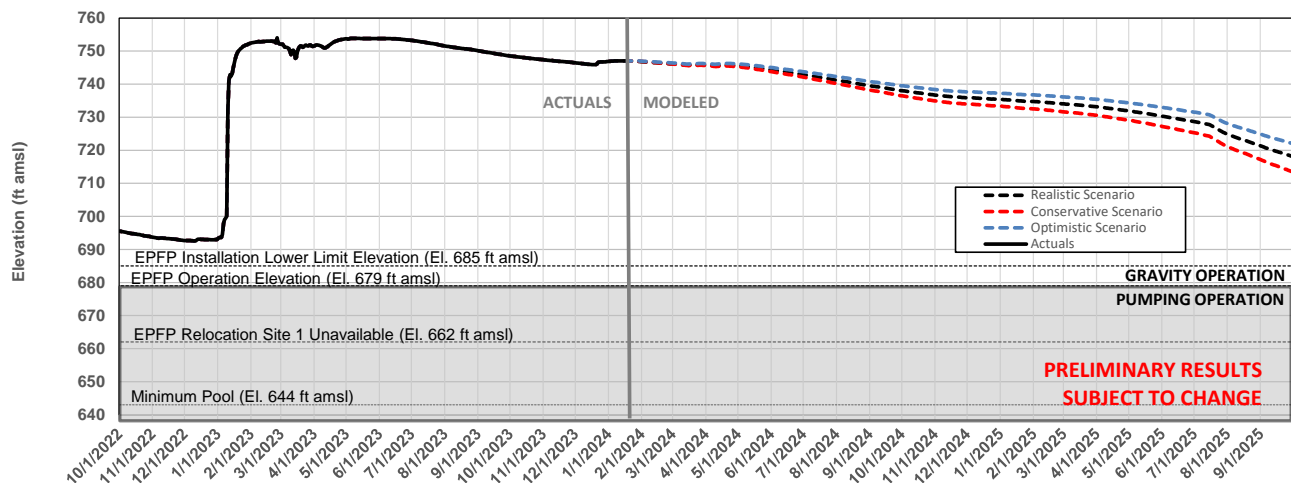


Figure 1. Lake Cachuma Elevation Projection Assuming Dry Conditions (as January 18, 2024)

The following assumptions are utilized in the modeling:

- Dry hydrologic conditions for WY 2024 and 2025 similar to WY 2012 and WY 2013
- No downstream release in 2024 (similar to 2012) and a downstream release in 2025 (similar to 2013)
- Member agency imports and exports based on forecasts through 9/30/24
- Fish releases are based on Reclamation’s Term 15/16 compliance tables in the optimistic and realistic scenario. The conservative scenario continues the releases with a buffer beyond Reclamation’s Term 15/16 compliance tables similar to releases in October which was increased by 20 percent from the compliance tables.

If two consecutive dry winters were to occur, the lake elevation would likely drop to between 715’ and 725’ by September 2025. The Emergency Pumping Facility would not need to be activated. However, the Hilton Creek Watering System would likely need to transition from gravity flow to pumped flow two years from now in the fall of 2025.

WINTER STORM 2023 DAMAGE REPAIRS AND REIMBURSEMENT

COMB staff continues to weekly meet with FEMA regarding 2023 damages. All projects from DR-4683 have been submitted by FEMA program manager for further review and funding. COMB has one project related to DR-4699 (Lauro Stilling Well Debris Removal) that is waiting acceptance from FEMA as part of the disaster. All repair work has been completed. COMB plans to improve the lid on Toro Canyon blowoff structure to better withstand flood flows which has not been completed yet.

Table 1. 2023 Winter Storm Damage Summary Table

Site	Cat	Location	Work Type	Estimated Cost	% Complete	Estimated Reimbursible	Received as 1/16/24	FEMA Status
County-wide Debris Removal	A	North Portal Log Boom	Contract	\$ 6,422	100%	\$44,251	\$44,251	Funded
		Sheffield Access Road	Contract	\$ 12,750	100%			
		South Portal/Glen Anne Road	Force Account	\$ 25,079	100%			
Lauro Reservoir Stilling Well Debris Removal	A	Lauro Stilling Well	Contract + Force Account	\$ 85,000	100%	\$79,688	\$0	Scoping Meeting Needed
Sediment Removal From Water Control Facilities	D	Lauro Main Debris Basin	Contract	\$ 275,525	100%	\$258,305	\$0	Pending EHP Review
		San Roque Debris Basin	Contract		100%			
		Carpinteria Toe Drain	Contract		100%			
County-Wide Road Repairs	C	Sycamore Canyon Rock Slope Protection Repair	Contract	\$ 17,600	100%	\$0	\$0	Removed - Maintenance
		Lauro Reservoir Bypass Channel Emergency Repair	Contract	\$ 211,270	100%	\$198,066	\$0	Pending EHP Review
Blowoff Repairs	G	Montecito Blowoff Repair	Force Account	\$ 4,290	100%	\$4,065	\$0	Pending CRC Project Development
		Toro Canyon Blowoff Repair	Contract	\$ 70,000	80%	\$66,325	\$0	
Administration	Z	COMB Administrative Costs	Force Account	\$ 15,000	80%	\$14,138	\$0	Pending Initial Project Development
Total				\$ 722,936	97%	\$ 702,665	\$0	



Figure 2. Lauro Reservoir Bypass Channel/Road (a) washout during the January 9, 2023 event and (b) repaired, improved, and tested during the December 21, 2023 storm event.

INFRASTRUCTURE IMPROVEMENT PROJECTS

Table 2 provides the status of Fiscal Year 2023-24 infrastructure improvement and special projects. COMB staff has prepared a draft five-year update to the Infrastructure Improvement plan and plans to present it to Member Agency and technical staff prior to providing it to the Operations Committee and Board for review and approval.

Table 2. Fiscal Year 2023-2024 Infrastructure Improvement Projects

Infrastructure Improvement Projects	Status / Phase	Complexity / Challenges	Estimated Completion Date
Infrastructure Improvement Projects			
SCC Line Valves for Shutdown	Contractor was engaged to perform design on Lillingston Line valve. However, a suitable location was unable to be identified which avoided conflicts with other utilities.	A Cooperative Agreement between CWWD and COMB has been approved by COMB and CWWD to facilitate the work.	An additional SCC Line Valve has been postponed as it is more advantageous to combine the cooperative agreement resources for lateral rehabilitation.
SCC Structure Rehabilitation : Lower Reach Laterals	CWWD and COMB boards have approved Phase 2. A portion of Phase 2 requires a permit from Caltrans which was received on 12/31/23. Reclamation is also performing an additional cultural resource/NEPA review which should be done by the end of January.	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 February 2024
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 is postponed until FY2024-25, as shutdowns are dependent on CWWD coordination and completion of lateral rehabilitation.
Special Projects			
Lake Cachuma Water Quality and Sediment Management Study	COMB awarded the contract for the Phase 2 phosphorous/TOC source study in October 2022. A kickoff meeting was conducted in December and a work plan was provided in March with sediment sampling occurring in early June 2023. Sediment and water samples were analyzed by specialized laboratories. Consultant has received the lab results and is preparing the draft analysis and report for delivery in February.	COMB staff has taken additional tributary samples through winter months to supplement the study. The rise in lake level complicates sediment sampling procedures at the deepest part of the lake. In addition, with the high amounts of inflow and sedimentation - the entire volume of the lake has been exchanged with new water and the bottom is likely covered with an extensive layer of new sediment. Additional scope was added to analyze sediment from 2023 and previous years based on dating the cores. Cores could not be taken from the deepest part of the lake due to the softness of the bottom sediment.	A focused phosphorous and TOC sourcing study by COMB was initiated in 2022/2023 and planned to be completed in FY 2023/24. The Phase 2 phosphorous/TOC source study is scheduled for completion in December 2023 upon receiving the final report.
COMB Bldg/Ground Repair	COMB is investigating options for the installation of a solar energy system to offset COMB's energy usage as part of the Sustainability Plan and conducted several exploratory calls with potential vendors.	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. Installation of a solar system will require Reclamation engineering and environmental review..
2023 Winter Storm Repairs	Debris removal completed in early September. Lauro Reservoir Bypass Channel Repair construction completed at end of November. In addition COMB staff completed working on several smaller cleanup projects related to blowoff structures and access roads. Remaining work planned is to replace the Toro Canyon blowoff lid with a steel lid bolted to the structure to better resist flooding impacts.	The winter storms of 2023 resulted in debris deposition and damage throughout the Cachuma Project system. The current forecast is for El Nino to continue. El Nino has been associated with wetter rainfall years, so it is important to repair infrastructure to prepare for the next winter.	All repairs were completed prior to the winter 2023-24 rainy season. Improvements are planned for the Toro Canyon Blowoff to prevent future damage.

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CACHUMA OPERATION AND MAINTENANCE BOARD

DATE: January 22, 2024
TO: Janet Gingras, General Manager
FROM: Shane King, Operations Supervisor
RE: **MONTHLY REPORT OF OPERATIONS – December 2023**

The total flow from Lake Cachuma into the Tecolote Tunnel for December was 1,351.08 acre-feet, for an average daily flow of 43.58 acre-feet. Lake elevation was 746.47 feet at the beginning of December and 746.87 feet at the end of December. Lake storage increased by 1,161.17 acre-feet. There was 69.54 acre-feet of inflow from CCWA into Cachuma Project facilities this month. The City of Santa Barbara wheeled 230.35 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized and delivered 408.55 acre-feet of water to Hilton Creek for the month of December.

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 November 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 67 USA Dig alerts
- Performed weekly inspections of major facilities, safety meetings, rodent bait (all reservoirs), toe drain and piezometer reads at Ortega (L23)
- Performed dam inspection and instrumentation reports (all reservoirs)
- Performed equipment and yard maintenance
- Performed monthly North Portal elevator maintenance with Otis
- Performed monthly water quality sampling
- Read and document anodes and rectifier data

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

- The fish screens on the Cachuma lake intake tower for slide gates 1 through 4 were pulled, cleaned, and inspected. The slide gates on the intake tower were greased and exercised. Staff also ran and greased the Tecolote tunnel air exchange fan and ran the onsite backup generator.
- Operations staff repaired a section of the lake Cachuma intake tower log boom two times. The log boom shackles have been separating at more frequent intervals.
- Staff pulled, cleaned, and calibrated the water quality sonde in the monitoring buoy near the intake tower. This instrument provides real time data on temperature, turbidity, algal levels, specific conductance.
- COMB had CMC Pro provide first phase of confined space training which included entry, attendant, and supervisor training. COMB staff also reviewed equipment and practiced several rescues from COMB structures at Lauro and plans continue additional rescue training in February with CMC Pro.
- Operations staff monitored all sites following the storm on December 21, 2023. Staff especially focused on areas that were damaged and repaired in 2023. All sites performed well, though some sediment deposited in the Lauro Stilling Well. The stilling well flowed freely during storm. This structure will be continued to be monitored closely in future storms.
- COMB staff pressure washed and sealed the exterior skirt of the Operations Building after drying out the interior of the building. The high intensity rainfall event on December 21, 2023 resulting in ponding of water against the building which wetted the carpet inside Fans were rented and run for several days to dry out the carpet in the building.
- Staff has been working on COMB's annual structure maintenance program. This work includes visiting each structure annually for maintenance and valve exercising. Staff has visited 22 structures in total for this month and completed structure maintenance for the Upper Reach (Goleta Section). Maintenance at each one of the structures on the SCC includes:
 1. Maintaining access to the structure. (i.e., right-of-way management, brush removal, etc.)
 2. Making sure that clear signage of a "Confined Space" is visible.
 3. Corrosion of any exposed steel is touched up with a corrosion resistant coating is applied.
 4. Disinfecting and pumping out any water inside of structure.
 5. Cleaning inside of structure
 6. Exercise valves
 7. Exercise Air vent/ Air release valves

Confined Space Rescue Training



Winter Storm Monitoring (December 21, 2023)



Jesusita Trail (access to stilling well) turned into a small creek during downpour on December 21



Lauro Spillway Stilling Well flowing freely during peak of Dec. 21 storm. Side cascade was investigated and originated from a culvert upslope

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CACHUMA OPERATION AND MAINTENANCE BOARD
BOARD MEMORANDUM

DATE: January 22, 2024
TO: Janet Gingras, General Manager
FROM: Tim Robinson, Fisheries Division Manager
RE: MONTHLY FISHERIES DIVISION REPORT

HIGHLIGHTS:

- 2000 Biological Opinion target flows have been met by USBR through Lake Cachuma releases:
 - Hilton Creek (minimum of 2 cfs): Hilton Creek Watering System (HCWS) to the Upper Release Point (URP) and Lower Release Point (LRP) (approximately 6.5 cfs) plus upper basin flows (approximately 0.1 cfs on average), which has been sustaining the *O. mykiss* population in the creek.
 - Highway 154 Bridge and Alisal Bridge (minimum of 5 cfs as of 10/1/23): Dam releases continue to sustain flows higher than required target flows at both compliance points.
- Stranding surveys have continued as USBR adjusts dam releases in compliance with Table 2 flows.

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

LSYR Steelhead Monitoring Elements:

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

Stranding Surveys: As USBR adjusts dam releases in compliance with WRO 2019-0148 Table 2 flow requirements at Alisal Bridge and Highway 154 Bridge, surveys have been conducted by COMB-FD staff to look for stranded fish as the river flows recede into the lower flow channels. Observations are immediately provided to USBR.

Beaver Dam Surveys: The annual Beaver Dam survey takes place in the late fall prior to stormflow events of that water year. Surveys consist of walking from Bradbury Dam to the LSYR Lagoon and the basin's tributaries where access is allowed, recording where beaver dams are located, their height and width, ponded pool size and depth above, whether they are

active or not, and photographed. The survey started in December, will be completed soon, and will be reported in the Annual Monitoring Summary/Report.

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

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.

There was a storm on 12/21/23 that did produce some upper basin flow for a short period before decreasing back to baseflow conditions. The three-day event resulted in a rainfall total of 4.27 inches at Bradbury Dam. There was one other minor storm on 12/30/23 that only yielded 0.87 inches of rainfall at the dam.

The minimum target flow of 2 cfs to Hilton Creek was met throughout December with HCWS gravity flow to the URP and a small amount to the LRP (between 6.5 and 6.6 cfs total) and upper basin flows (approximately 0.1 cfs on average) for a total of approximately 7.0 cfs on average recorded by the USGS at the LRP that includes some upper basin flows (often the USGS and USBR discharge readings do not match).

Bradbury Dam releases have been keeping river flows at the Highway 154 Bridge and the Alisal Bridge well above Table 2 compliance flows (5 cfs as of 10/1/23). Target flows at the Alisal Bridge and Highway 154 Bridge are being met as recorded by the USGS at each site on average over the month of December of approximately 14.0 cfs and 12.0 cfs, respectively. The new USGS stream gage at the Highway154 Bridge is operating as designed and contracted. This is a low flow gage that continually records stage but only records river discharge up to 65 cfs (started recording flow on 6/20/23 when dam releases dropped below the cutoff). USBR continues to work with the State Board to modify Term 18 and Term 25 to officially move the target flow compliance point to the new USGS gage site.

Tributary Project Updates:

Upon securing all the required permits and access agreements, the Quiota Creek Fish Passage Enhancement Project at Crossing 5 and Crossing 9 started on 10/16/23 and successfully ended on Crossing 9 on 11/9/23. The staff is currently working on a grant proposal for repairs and enhancements at seven other project locations that are tentatively scheduled in the fall of 2024, pending funding and permits.

Hilton Creek Watering System (HCWS) and Emergency Backup System (HCEBS) Operation and Repairs:

HCWS and HCEBS: The HCWS and HCEBS are owned, operated, and maintained by USBR. USBR technical staff continues to consider improvement options for the HCWS and HCEBS. The HCWS was initially constructed in 1999 then modified to its current configuration in 2004. Recent and notable changes or repairs to these two Hilton Creek delivery systems are as follows:

- The 1/9/23 storm damaged the HCWS pumping barge and all the electrical systems on that barge were submerged and now need to be replaced. The anchoring cables had

to be cut by Reclamation to right that barge that is now holding position by the attached submerged delivery pipeline (both in and out). Lake water is currently flowing by gravity from the Intake Barge to Hilton Creek and will continue to do so for the unforeseen future given that the lake is full.

- The HCEBS floating pipeline across the Stilling Basin was disconnected on the north side by USBR on 2/7/23 just prior to exercising all four of the spillway gates on 2/8/23. During the 2/25/23 spill event, that floating pipeline moved to the south bank and is now out of harm's way from the current spill event. It has not been determined if the pipeline got damaged upon moving to its current location.
- No further actions or repairs have been scheduled.

Bradbury Dam Operations and Repairs:

Bradbury Dam and Outlet Works: Bradbury Dam and the Outlet Works are owned, operated and maintained by Reclamation.

- On 4/11/23 and 4/12/23, Reclamation closed the Slide Gate on the Bradbury Dam Penstock to the Outlet Works and successfully replaced the stuck 30-inch valve with a blind flange then reopened the Slide Gate.
- During the week of 8/21/23, Reclamation replaced all the Bradbury Dam radial gate lifting motors to return them to full operational condition. Testing of the new motors will happen at a future date.
- The replacement of the refurbished 30-inch Outlet Works valve and testing of the lifting motors of the Bradbury Dam radial gates were successfully completed on 11/14/23. There was no impact to the downstream fishery during the operation.

Surcharge Water Accounting:

The following table summarizes the amount of surcharge water (defined as the amount of storage added to the lake by installing the flashboards to the top of the four radial gates to take the maximum lake elevation from 750 ft to 753 ft) used to date from each of the three accounts (Fish Passage Supplementation, Adaptive Management, and Fish Rearing) plus Unallocated Project Water at the end of last month (Table 1). All numbers are from the USBR's Daily Operations Report. The start time for the use of the Surcharge Water Accounts and Project Yield is the day following the last day of full surcharge and the end of the last spill event (prior to this wet year, it was 5/27/11). With the magnitude of the WY2023 spill, 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 declared the end of the WY2023 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 1/18/24, using the 2021 bathymetric survey data.

Accounts*	Allocation	Amount Used**	Amount Remaining
Units:	(acre-feet)	(acre-feet)	(acre-feet)
Fish Passage Supplementation			
WY2023	3,200	0	3,200
Adaptive Management	500	0	500
Fish Rearing***	5,527	5,527	0
Unallocated Project Water		5,051	-
Total:	9,227	10,578	3,700
* Originally was 9,200 af, 8,942 af in 2008, 9,184 af in 2013, and 9,227 af in 2021.			
** Values as of 12/31/23.			
*** 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 continues to work on the WY2023 Annual Monitoring Summary and Annual Monitoring Report, with a draft expected soon.

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

Consultant Activity Summary:

HDR Fisheries Design Center (Mike Garelo and Shaun Bevan) – Engineering assistance has been provided regarding the Quiota Creek and El Jaro Creek Fish Passage Enhancement Project.

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

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	January 22, 2024
Submitted by:	Tim Robinson and Scott Volan
Approved by:	Janet Gingras

SUBJECT: **Progress Report on the Lake Cachuma Oak Tree Restoration Program**

RECOMMENDATION:

The Board of Directors receive information on the status of the Lake Cachuma Oak Tree Restoration Program (Program) and provide direction to staff as appropriate.

SUMMARY:

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since January 2023 to the present (1/1/23 – 1/22/24, Table 1). Labor and expenses as well as water usage for the entire fiscal year (July 2023 - June 2024) are tracked separately and reported as necessary as recommended by the Lake Cachuma Oak Tree Committee. COMB staff continues to rely on the Fisheries Division (FD) seasonal employees whenever possible to conduct most of the oak tree work in the field. The 2015 Lakeshore Inventory was completed and reviewed by the Lake Cachuma Oak Tree Committee on 2/25/16, which set the mitigation numbers for the Program. The 2022 Annual Report with the annual inventory and Fiscal Year 2022-23 financials was completed and reviewed by the Lake Cachuma Oak Tree Committee on 9/14/23 and provided to the COMB Board on 9/25/23 that recommended going forward with only maintaining the currently planted oak trees. The COMB Board agreed with that directive.

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

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

¹ Oak tree inventory.

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

SPECIFIC TASKS

Tree Irrigating/Weeding

Significant precipitation occurred in mid-December with Lake Cachuma receiving 5.16 inches of rain the final two weeks of the month. Irrigation of the oak trees has ceased for the remainder of the wet season.

Tree Planting

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

Annual Inventory

The 2023 Annual Inventory of all year classes has begun and will be reported in the 2023 Annual Report.

End of Program Plan

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

COMMITTEE STATUS:

Lake Cachuma Oak Tree Committee met on 9/14/23 and reviewed the 2022 Lake Cachuma Oak Tree Restoration Program Annual Report with the recommendation to forward to the Board.

LIST OF EXHIBITS:

n/a

WATER YEAR 23-24 CACHUMA PROJECT ALLOCATION

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

(All in rounded Acre Feet)

CACHUMA PROJECT		
WATER PRODUCTION:	MONTH	WYTD
Cachuma Lake (Tec. Diversion)	1,310.2	4,233.1
Tecolote Tunnel Infiltration	86.1	245.3
Cachuma Lake (County Park)	0.9	3.5
Subtotal - Water Production	1,397.2	4,482.0
WATER DELIVERIES:		
State Water Diversion	56.9	192.9
Cachuma Diversion	1,336.0	4,282.7
Storage gain/(loss) ⁽²⁾	16.8	(32.8)
Subtotal - Water Deliveries	1,409.7	4,442.8
Total Water Production	1,397.2	4,482.0
Total Water Deliveries	1,409.7	4,442.8
Difference = Apparent Water Loss	(12.4)	39.2
% Apparent Water Loss	-0.89%	0.87%

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)					39.2
Total AWL Incurred (WYTD)					39.2

CACHUMA PROJECT WATER CHARGE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
CURRENT MONTH						
Water Usage						
M&I	549.0	401.1	22.5	112.0	0.9	1,085.5
Agricultural	136.8	0.0	1.8	111.9	N/A	250.5
Subtotal Project Water Use	685.8	401.1	24.3	224.0	0.9	1,336.0
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss ⁽⁴⁾	9.8	16.8	4.3	3.1	4.9	38.9
Total Project Water Charge	695.6	417.9	28.6	227.1	5.8	1,375.0
WATER YEAR-TO-DATE						
Water Usage						
M&I	1,947.5	720.2	187.2	383.1	3.5	3,241.5
Agricultural	566.5	0.0	22.5	452.2	N/A	1,041.2
Subtotal Project Water Use	2,514.0	720.2	209.6	835.3	3.5	4,282.7
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss ⁽⁴⁾	68.1	97.8	24.7	22.0	27.1	239.7
Total Project Water Charge (*)	2,582.1	818.0	234.3	857.3	30.6	4,522.4

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

WATER YEAR 23-24 CACHUMA PROJECT ALLOCATION

**CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF DECEMBER 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 - 10/1/2023	6,514.3	7,932.7	2,076.1	2,110.2	2,155.3	20,788.6
(-) Project Water Charge (WYTD)	2,582.1	818.0	234.3	857.3	30.6	4,522.4
Carryover Available Before Adjustments	3,932.2	7,114.7	1,841.8	1,252.9	2,124.7	16,266.2
Adjustments to Carryover (WYTD)						
State Water Exchange	0.0	0.0	0.0	0.0	0.0	0.0
Surplus	0.0	0.0	0.0	0.0	0.0	0.0
Carryover Spilled	0.0	0.0	0.0	0.0	0.0	0.0
Balance Project Water Carryover	3,932.2	7,114.7	1,841.8	1,252.9	2,124.7	16,266.2
Current Year Allocation ⁽⁵⁾	9,322.0	8,277.0	2,651.0	2,813.0	2,651.0	25,714.0
(-) Balance of Project Water Charge (WYTD)	0.0	0.0	0.0	0.0	0.0	0.0
Allocation Available Before Adjustments	9,322.0	8,277.0	2,651.0	2,813.0	2,651.0	25,714.0
Adjustments to Allocation (WYTD)						
State Water Exchange ⁽⁶⁾	0.0	0.0	0.0	0.0	0.0	0.0
Surplus	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - SB/La Cumbre	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - Bishop Ranch	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - Juncal Transfer	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - GWD/SB Overlap	0.0	0.0	0.0	0.0	0.0	0.0
Balance Current Year Allocation	9,322.0	8,277.0	2,651.0	2,813.0	2,651.0	25,714.0
Total Cachuma Project Water Available	13,254.2	15,391.7	4,492.8	4,065.9	4,775.7	41,980.2

ACCUMULATED DROUGHT WATER CREDIT (ADWC) BALANCE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
ADWC Balance - 10/1/2023 ⁽¹²⁾	0.0	0.0	0.0	0.0	0.0	0.0
(-) ADWC Water Charge (WYTD)	0.0	0.0	0.0	0.0	0.0	0.0
Adjustments to ADWC (WYTD)						
ADWC Spilled ⁽⁷⁾	0.0	0.0	0.0	0.0	0.0	0.0
Balance ADWC	0.0	0.0	0.0	0.0	0.0	0.0
Total Cachuma Project + ADWC Available	13,254.2	15,391.7	4,492.8	4,065.9	4,775.7	41,980.2

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 USBR, 100% allocation to Member Units, effective 10/1/23
- (6) Per SWP Exchange Agrmt GWD received 0 AF; City of SB received 0 AF; MWD received 0 AF; and CVWD received 0 AF from ID#1 in December 2023
- (7) Memo only - State Water Deliveries to Lake Cachuma for December 2023 was 78 AF
- (8) Memo only - MWD has received 704.28 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: **DECEMBER 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	345.0	Feet
Water in Storage	74.06	AF

LAURO RESERVOIR

Capacity at 549' elevation:	503	AF
Capacity at top of intake screen, 520' elevation:	106.05	AF
Stage of Reservoir Elevation	541.8	Feet
Water in Storage	371.65	AF

ORTEGA RESERVOIR

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	448.4	Feet
Water in Storage	24.00	AF

CARPINTERIA RESERVOIR

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	377.0	Feet
Water in Storage	27.95	AF

TOTAL STORAGE IN RESERVOIRS ⁽¹⁾

Change in Storage	423.59	AF
	15.83	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	746.87	Feet
Water in Storage	174,457	AF
Surface Area	2,915	Acres
Evaporation	342.4	AF
Inflow	2,309.1	AF
Downstream Release WR8918	0.0	AF
Fish Release (Hilton Creek)	408.6	AF
Outlet	361.0	AF
Spill/Seismic Release	0	AF
State Water Project Water	69.5	AF
Change in Storage	1,161	AF
Tecolote Diversion	1,351.1	AF

Rainfall: Month: 5.16 Year: 6.09 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 (-)	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						0						0						0						92			0			0						
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	377	377	0	0	0	0	40	12	0	0	0	120	0	0	0	10	10	0
February	367	0	99	0	4	0	704	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	332	332	0	0	0	0	25	7	1	0	0	138	0	0	0	10	10	0
March	368	0	297	0	6	0	401	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	338	338	0	0	0	0	20	66	1	0	0	90	0	0	0	10	10	0
April	453	0	290	0	5	0	107	0	0	0	0	0	100	100	0	0	0	0	0	0	0	0	0	0	308	308	0	0	0	0	35	23	1	0	0	101	0	0	0	10	10	0
May	634	127	232	0	2	0	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	0	0	0	352	352	0	0	0	0	45	92	2	0	0	52	0	0	0	10	10	0
June	1060	227	227	0	0	0	0	0	0	0	0	0	92	92	0	0	0	0	0	0	0	0	0	0	595	595	0	0	0	0	137	70	1	0	0	119	0	0	0	9	9	0
July	569	0	0	0	0	0	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	0	0	0	359	359	0	0	0	0	100	14	2	0	0	202	0	0	0	10	10	0
August	322	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	269	269	0	0	0	0	46	91	4	0	0	153	0	0	0	7	7	0
September	186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	134	134	0	0	0	0	47	69	3	0	0	128	0	0	0	5	5	0
October	145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92	92	0	0	0	0	44	59	2	0	0	112	0	0	0	9	9	0
November	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	25	1	0	0	0	86	0	0	0	0	0	0
December	223	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	210	210	0	0	0	0	0	3	0	0	0	83	0	0	0	13	13	0
Total	4754	354	1145	0	19	0	0	0	0	0	0	0	392	392	0	0	0	0	0	0	0	0	0	0	3366	3366	0	0	0	0	539	531	17	0	0	83	0	0	0	103	103	0

(*) 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 (-)	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						0						0						0						83			0			0						
January	23	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	16	21	0	0	0	77	0	0	0	7	7	0
February	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	(37)	0	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	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	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	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	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	0	0	0	0	0					
August	118	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	111	49	0	0	0	62	0	0	0	7	7	0
September	48	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	38	83	0	0	0	17	0	0	0	10	10	0
October	85	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	77	62	0	0	0	32	0	0	0	8	8	0
November	65	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	58	59	0	0	0	31	0	0	0	7	7	0
December	78	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	70	49	0	0	0	52	0	0	0	8	8	0
Total	417	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	370	363	1	-37	52	0	0	0	0	47	47	0

(*) 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): 52

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

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

Contract Entity: **Goleta Water District**
 Update by COMB 12/31/2023

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

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet						Allocation		Allocation		Total
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
756.2	244.7	1,000.9	36.9	1,000.9	1,037.9	778.1	259.8	-	-	-
642.3	185.0	827.3	21.3	827.3	848.6	654.3	194.3	-	-	-
549.0	136.8	685.8	9.8	685.8	695.6	554.1	141.5	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,947.5	566.5	2,514.0	68.1	2,514.0	2,582.1	1,986.5	595.6	-	-	-

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	6,514.3	3,860.8	2,653.5	6,644.0	2,678.0	9,322.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

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

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **13,254.2**

Footnotes

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

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

Contract Entity: **City of Santa Barbara**
 Update by COMB 12/31/2023

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

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation			Allocation			Total	
M & I	Agr	Total	Evap	Used	Total	M & I	-----	M & I	-----	Total
45.5	-	45.5	48.6	45.5	94.0	94.0	-	-	-	-
273.6	-	273.6	32.4	273.6	306.1	306.1	-	-	-	-
401.1	-	401.1	16.8	401.1	417.9	417.9	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
720.2	-	720.2	97.8	720.2	818.0	818.0	-	-	-	-

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

Month	SCHEDULE AND REVISIONS			
	Total	Allocation		Total
		M & I	-----	
Begin Bal	7,932.7	7,932.7	-	8,277.0
Oct	-	-	-	-
Nov	-	-	-	-
Dec	-	-	-	-
Jan	-	-	-	-
Feb	-	-	-	-
Mar	-	-	-	-
Apr	-	-	-	-
May	-	-	-	-
Jun	-	-	-	-
Jul	-	-	-	-
Aug	-	-	-	-
Sep	-	-	-	-

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

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **15,391.7**

Footnotes

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

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

Contract Entity: **Montecito Water District**
 Update by COMB 12/31/2023

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

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet						Allocation		Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
97.7	15.9	113.7	12.4	113.7	126.1	107.8	18.2	-	-	-
66.9	4.7	71.6	8.1	71.6	79.7	73.4	6.3	-	-	-
22.5	1.8	24.3	4.3	24.3	28.6	26.0	2.6	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
187.2	22.5	209.6	24.7	209.6	234.3	207.2	27.1	-	-	-

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	2,076.1	1,690.3	385.8	2,244.0	407.0	2,651.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

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

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **4,492.8**

Footnotes

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

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

Contract Entity: **Santa Ynez River Water Conservation District, ID#1**
 Update by COMB 12/31/2023

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

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation				Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
1.3	-	1.3	13.2	1.3	14.5	8.1	6.4	-	-	-
1.3	-	1.3	9.0	1.3	10.3	5.9	4.4	-	-	-
0.9	-	0.9	4.9	0.9	5.8	3.4	2.4	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3.5	-	3.5	27.1	3.5	30.6	17.4	13.2	-	-	-

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	2,155.3	1,105.6	1,049.7	935.0	1,716.0	2,651.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	County Parks Usage (AF)	Total	Allocation		Allocation		Total
			M & I	Agr	M & I	Agr	
Oct	1.3	2,140.8	1,097.5	1,043.3	935.0	1,716.0	2,651.0
Nov	1.3	2,130.4	1,091.6	1,038.9	935.0	1,716.0	2,651.0
Dec	0.9	2,124.7	1,088.2	1,036.5	935.0	1,716.0	2,651.0
Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 4,775.7

Footnotes

SUMMARY OF WATER USED

CACHUMA PROJECT - CONTRACT #175R-1802

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

Contract Entity: **Santa Barbara Co. Water Agency**
Update by COMB 12/31/2023

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr	TOTAL WATER USED				CARRYOVER WATER			CURRENT YEAR ALLOCATION				
			Acre-feet				WATER USE CHARGED			WATER USE CHARGED				
			Use %	M & I	Agr	Total	Evap	Div	Total	Allocation		Allocation		
Oct	20,788.6	25,714.0	0.0	1,041.6	442.3	1,483.9	123.0	1,483.9	1,606.9	1,135.2	471.7	-	-	-
Nov	-	-	0.0	1,114.4	348.4	1,462.8	77.7	1,462.8	1,540.5	1,173.7	366.8	-	-	-
Dec	-	-	0.0	1,085.5	250.5	1,336.0	38.9	1,336.0	1,375.0	1,115.1	259.8	-	-	-
Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	20,788.6	25,714.0	0.1	3,241.5	1,041.2	4,282.7	239.7	4,282.7	4,522.4	3,424.0	1,098.4	-	-	-

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Begin Bal	Total	Allocation		Allocation	
			M & I	Agr	M & I	Agr
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

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

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **41,980.2**

Footnotes



January 2024

Day ¹	Lake Cachuma				Rainfall		Evaporation ³		CCWA Inflow	Release					Computed Inflow ⁵	
	Elevation	Storage ²	Change in Storage	Surface Area	PP	PPAF	EV	EVAF		Park Use	Tunnel	Hilton Creek	WR 89-18	Outlet ⁴		Spillway
SHEF Tag→	HL	LS	LC						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	746.87	174,457														
1	746.91	174,573	116.1	2,916.6	-	-	0.040	6.32	16.22	-	20.51	13.25	-	10.00	-	149.98
2	746.94	174,660	87.1	2,917.6	-	-	0.050	7.90	-	-	21.28	13.27	-	9.00	-	138.54
3	746.98	174,776	116.1	2,919.0	0.42	102.2	0.030	4.74	-	-	25.64	13.28	-	10.00	-	67.62
4	746.99	174,805	29.0	2,919.3	-	-	0.080	12.65	-	-	28.19	13.29	-	10.00	-	93.16
5	747.00	174,834	29.0	2,919.7	-	-	0.100	15.81	-	-	29.28	13.28	-	9.00	-	96.41
6	747.02	174,893	58.7	2,920.3	-	-	0.080	12.65	-	-	28.52	13.33	-	10.00	-	123.24
7	747.02	174,893	-	2,920.3	0.14	34.1	0.030	4.75	-	-	27.80	13.31	-	9.00	-	20.79
8	747.03	174,922	29.4	2,920.7	-	-	0.080	12.66	-	-	29.86	13.25	-	10.00	-	95.13
9	747.04	174,952	29.4	2,921.0	-	-	0.070	11.08	-	-	28.04	13.26	-	10.00	-	91.75
10	747.05	174,981	29.4	2,921.4	0.01	2.4	0.060	9.49	-	-	29.43	13.34	-	9.00	-	88.20
11	747.02	174,893	(88.1)	2,920.3	0.03	7.3	0.090	14.24	-	-	28.42	13.28	-	10.00	-	(29.46)
12	747.04	174,952	58.7	2,921.0	-	-	0.100	15.82	-	-	28.47	13.31	-	9.00	-	125.34
13	747.05	174,981	29.4	2,921.4	-	-	0.060	9.49	-	-	29.00	13.29	-	10.00	-	91.15
14	747.05	174,981	-	2,921.4	0.01	2.4	0.060	9.49	-	-	28.66	13.31	-	9.00	-	58.03
15	747.04	174,952	(29.4)	2,921.0	-	-	0.030	4.75	-	-	28.95	13.24	-	9.00	-	26.57
16	747.04	174,952	-	2,921.0	-	-	0.060	9.49	-	-	29.05	13.30	-	10.00	-	61.84
17	747.04	174,952	-	2,921.0	0.02	4.9	0.060	9.49	-	-	31.44	13.28	-	9.00	-	58.35
18	747.04	174,952	-	2,921.0	-	-	0.060	9.49	-	-	33.60	13.24	-	9.00	-	65.33
19	747.04	174,952	-	2,921.0	-	-	0.040	6.33	-	-	33.70	13.35	-	6.00	-	59.37

Total			494.85		0.63	153.27	1.180	186.66	16.22	-	539.87	252.46	-	177.00	-	1,481.34
Minimum	746.91	174,573	(88.10)	2,916.64	-	-	0.030	4.74	-	-	20.51	13.24	-	6.00	-	(29.46)
Average	747.02	174,887	26.04	2,920.27	0.03	8.07	0.062	9.82	0.85	-	28.41	13.29	-	9.32	-	77.97
Maximum	747.05	174,981	116.12	2,921.36	0.42	102.16	0.100	15.82	16.22	-	33.70	13.35	-	10.00	-	149.98

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 January pan factor: 65%
4. Indicated outlet release includes any leakage around gates.
5. Computed inflow is the sum of change in storage, releases, and evaporation minus precip on the reservoir surface and CCWA inflow.



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



Cachuma Lake Recreation Area Launch Data -- December 2023		
Inspection Data		
Total Vessels Entering Park	393	
Total Vessels Launched	376	
Total Vessels Quarantined	17	
Returning (Tagged) Boats Launched	317	84%
Kayak/Canoe: Inspected, launched	59	16%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
Quarantine Data		
Total Vessels Quarantined	17	
Quarantined 14 days	*	
Quarantined 30 days	17	
Quarantine Cause		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	6	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	17	
Demographic Data		
Quarantined from infected county	6	
Quarantined from SB County	10	
Quarantined from uninfected co	1	

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

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

* These conditions are no longer being tracked.

EARLY DETECTION MONITORING PROGRAM SUMMARY

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

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

Plankton Tow Inspection Dates: 2023.12.27

Artificial Substrate & Surface Survey Date: 2023.12.27, 2023.12.27

Method: 4 Artificial Substrate Stations; 13 meters/42.65 linear feet of line as well as ramp, dock, anchor, etc.

Surveyors: COSB, Parks Division – P. Medel

Lake elevation: Max feet: 753.00, current 746.74; Max acre-feet: 192,978, current: 174,079;

Capacity: 89% At of the end of the survey month.

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