



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

**Monday, August 26, 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/83913234922?pwd=vgadP7YtejJO0vCfLTaiY6pRvaenwx.1>

Passcode: 946761

Join via Teleconference

US +1 669 900 6833 Webinar ID: 839 1323 4922 Passcode: 946761

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, August 26, 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 July 22, 2024 Regular Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Review of Paid Claims
- 4. VERBAL REPORTS FROM BOARD COMMITTEES**
Receive verbal information regarding the following committee meetings:
 - Oak Tree Committee Meeting – July 25, 2024
 - Fisheries Committee Meeting – July 31, 2024
 - Operations Committee Meeting – August 21, 2024
- 5. BOARD COMMITTEE APPOINTMENTS FOR FISCAL YEAR 2024-25**
Action: Recommend the President of the Board make Committee appointments for FY 2024-25
 1. Administrative Committee
 2. Operations Committee
 3. Fisheries Committee
 4. Lake Cachuma Oak Tree Committee
 5. Public Outreach Committee
- 6. FINANCIAL REVIEW – 4th QUARTER FISCAL YEAR 2023-24**
Action: Receive and file information on the 4th Quarter Fiscal Year 2023-24 Financial Review

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7. **CACHUMA PROJECT MASTER CONTRACT RENEWAL FUND AND WARREN ACT TRUST FUND – LONG-TERM AND ANNUAL PLAN / SANTA BARBARA COUNTY BETTERMENT FUND**
Action: Recommend approval of expenditures by motion and roll call vote of the Board
8. **COMB/CVWD COOPERATIVE AGREEMENT - PROPOSED SECOND ADDENDUM**
Action: Recommend approval by motion and roll call vote of the Board
9. **RESOLUTION NO. 809 - 2024 WINTER STORM DAMAGE – LAURO DEBRIS BASIN DEBRIS REMOVAL CONSTRUCTION CONTRACT (FEMA ELIGIBLE)**
Action: Recommend adoption of Resolution No. 809 by motion and roll call vote of the Board
10. **OPERATIONS DIVISION EQUIPMENT PURCHASES**
Action: Recommend approval by motion and roll call vote of the Board
 - a. Crane Truck
 - b. Intake Log Boom
11. **LAKE CACHUMA OAK TREE RESTORATION PROGRAM ANNUAL REPORT**
Action: Receive and file the Lake Cachuma Oak Tree Program Annual Report and provide direction to staff as appropriate
12. **GENERAL MANAGER REPORT**
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
 - Administration
 - U.S. Bureau of Reclamation
13. **ENGINEER'S REPORT**
Receive information from the COMB Engineer, including but not limited to, the following:
 - Climate Conditions
 - 2024 Lake Fire
 - Winter Storm Damage and Repairs
 - Infrastructure Improvement Projects Update
14. **OPERATIONS DIVISION REPORT**
Receive information regarding the Operations Division, including but not limited to, the following:
 - Lake Cachuma Operations
 - Operation and Maintenance Activities
15. **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
16. **PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM**
Receive information on the Oak Tree Program, including but not limited to, the following:
 - Maintenance and Monitoring
 - End of Program Plan

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17. **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

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

19. **MEETING SCHEDULE**

- **Regular Board Meeting – September 23, 2024 at 1:00 PM**
- **Board Packages available on COMB website www.cachuma-board.org**

20. **COMB ADJOURNMENT**

NOTICE TO PUBLIC

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

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

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

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

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

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

**Monday, July 22, 2024
1:00 PM**

MINUTES

1. CALL TO ORDER, ROLL CALL

The regular meeting of the Board of Directors was called to order by Vice President Holcombe at 1:03 PM.

Directors Present:

Case Van Wingerden, Carpinteria Valley Water District - Alternate
Kristen Sneddon, City of Santa Barbara
Lauren Hanson, Goleta Water District
Cori Hayman, Montecito Water District

General Counsel Present:

William Carter - Musick, Peeler, Garrett, LLP

Staff Present:

Janet Gingras, General Manager	Tim Robinson, Fisheries Division Manager
Edward Lyons, Administrative Manager / CFO	Elijah Papen, Water Resources Analyst
Joel Degner, Engineer/Operations Division Mgr.	Dorothy Turner, Administrative Assistant II

Others Present:

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

2. PUBLIC COMMENT

There was no public comment.

3. CONSENT AGENDA

- a. Minutes of June 24, 2024 Regular Board Meeting
- b. Investment of Funds
 - Financial Reports
 - Investment Reports
- c. Review of Paid Claims

Ms. Gingras introduced the consent agenda, advising that the votes would be taken in two passes to allow for abstention on the Minutes. She invited Mr. Lyons to comment on the financial reports.

Mr. Lyons first reported that the financial statements were preliminary as there would be further data pending the annual audit. He then provided explanation for various paid claims of note, including remittances to A-OK Equipment, AGT Trucking School, Air Pollution Control District, CMC Rescue, Famcon Pipe & Supply and Illumina.

Director Hanson provided the motion to approve item 3.a. followed by a second from Director Hayman. The motion carried with a vote of five in favor and one abstention.

Ayes: Sneddon, Hayman, Hanson

Nays:

Absent:

Abstain: Van Wingerden

Director Hayman motioned to approve the remaining Consent Agenda items. Director Hanson seconded and the motion passed with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Van Wingerden

Nays:

Absent:

Abstain:

4. PROPOSED ANNUAL RESOLUTIONS

- a. Resolution No. 800 Adopting Annual Statement of Investment Policy
- b. Resolution No. 801 Authorizing Investment of Monies in the Local Agency Investment Fund
- c. Resolution No. 802 Establishing a Supplemental Account Agreement for Telephone Transfers
- d. Resolution No. 803 Establishing a Check Signing Policy for General Fund Account Payment of Claims
- e. Resolution No. 804 Authorizing Signatories for General Fund Account at American Riviera Bank
- f. Resolution No. 805 Authorizing Signatories for Revolving Fund Account at American Riviera Bank
- g. Resolution No. 806 Establishing a Check Signing Policy for Cachuma Project Trust Fund and Master Contract Renewal Fund Accounts for Payment of Claims
- h. Resolution No. 807 Authorizing Signatories for Trust Fund and Renewal Fund Accounts at American Riviera Bank
- i. Resolution No. 808 Establishing a Time and Place for Board Meetings

Ms. Gingras presented the annual banking resolutions and noted they could be approved in a single vote or broken out into multiple votes at the discretion of the Board. Vice President Sneddon confirmed that the time of the board meeting continued to be convenient for all. She fielded questions from Board members.

Director Hayman motioned to approve the annual resolutions in a single block, followed by a second from Director Hanson. The motion carried with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Van Wingerden

Nays:

Absent:

Abstain:

5. PRESENTATION ON THE WATER YEAR 2023 ANNUAL MONITORING SUMMARY

Mr. Robinson shared slides to illustrate his comprehensive overview of the Annual Monitoring Summary (AMS). Mr. Robinson's report ranged over all the tasks that comprise the work undertaken by the Fisheries staff, including flow measurement, storm generated spills, silt impact on the fishery,

trapping, genetic testing and redd surveys, among others. He illustrated how the data collected was used to draw and support conclusions about the status of the fish and the fisheries. Mr. Robinson fielded a number of questions from the Board as well as appreciation for the work and report.

6. GENERAL MANAGER REPORT

- Administration

Ms. Gingras presented the General Manager report. She announced that COMB had received GFOA awards for both its Budget and Annual Comprehensive Financial Report, both of which have received awards for a number of consecutive years. Ms. Gingras reviewed the contracts she had executed during the most recent quarter and reported that the global outage stemming from CrowdStrike had not affected COMB negatively. Finally, she commended Operations staff member, Kevin Johnson for completing training and acquiring his commercial driver's license.

7. ENGINEER'S REPORT

- Climate Conditions
- 2024 Lake Fire
- Winter Storm Damage and Repairs
- Infrastructure Improvement Projects Update

Mr. Degner presented the Engineer's report, noting a valve installation under way today. He followed with an update on climate conditions and the fuel moisture index. The Lake Fire is moving into the clean-up phase. Mr. Degner asked Mr. Papen to report on his recent CE QUAL W2 training, which was received with interest. Finally, Mr. Degner provided updates on FEMA projects and reimbursement, Toro Canyon repairs, upcoming bid preparation and 2024 projects due to begin. He fielded questions and commendation from the Board.

8. OPERATIONS DIVISION REPORT

- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. Degner provided the Operations Division report. As noted in the Engineer's report, staff is installing a valve today at the Valley Club and has spent time building a carport to shelter the John Deere backhoe. In addition, he reported that staff has been performing various maintenance tasks at the reservoirs. Finally, Mr. Degner indicated that Tierra Contracting was scheduled to begin work on the lower reach laterals soon. Staff will be deployed strategically near the lateral work to be available during the project.

9. FISHERIES DIVISION REPORT

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

Mr. Robinson presented the Fisheries Division report, noting that target flows continue to be exceeded. In addition to ramp down stranding surveys, staff is addressing the various tasks mandated by the Biological Opinion. Mr. Robinson also reported that the upcoming tributary enhancements project is under way, beginning with the acquisition of permits. Staff has begun to work on the next AMS.

10. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

- Maintenance and Monitoring
- End of Program Plan

Mr. Robinson reported that the oak trees look healthy. Watering continues during the warm season. As well, he mentioned that the water truck required a repair due to a leaky valve.

11. MONTHLY CACHUMA PROJECT REPORTS

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

Ms. Gingras presented the Cachuma reports and stated that the Member Units had received full allocations for Water Year 2024-25. The Board praised Ms. Gingras for COMB 's efforts in ensuring that protocols were followed to prevent invasive species contamination resulting from water draws to fight the Lake Fire.

12. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

There were no director requests.

13. MEETING SCHEDULE

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

14. COMB ADJOURNMENT

There being no further business, the meeting was adjourned at 3:01 PM.

Respectfully submitted,

Janet Gingras, Secretary of the Board

	<i>Approved</i>
√	<i>Unapproved</i>

APPROVED:

Kristen Sneddon, Vice President of the Board

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

July 31, 2024

ASSETS

Current Assets

Checking/Savings

Trust Funds

1210 · Warren Act Trust Fund

\$ 71,561.28

1220 · Renewal Fund

126,162.26

Total Trust Funds

\$ 197,723.54

1050 · General Fund

394,226.34

1100 · Revolving Fund

214,561.42

Total Checking/Savings

806,511.30

Accounts Receivable

1301 · Accounts Receivable

1,570.00

Total Accounts Receivable

1,570.00

Other Current Assets

1200 · LAIF

2,566,938.02

1010 · Petty Cash

500.00

1303 · Bradbury SOD Act Assessments Receivable

235,771.99

1304 · Lauro Dam SOD Assessments Receivable

35,784.41

1400 · Prepaid Insurance

14,501.72

Total Other Current Assets

2,853,496.14

Total Current Assets

3,661,577.44

Fixed Assets

1500 · Vehicles

805,354.46

1505 · Office Furniture & Equipment

242,066.08

1510 · Mobile Offices

424,910.38

1515 · Field Equipment

666,108.20

1520 · Building Improvements

62,263.00

1524 · Infrastructure

4,751,941.69

1550 · Accumulated Depreciation

(1,217,601.83)

Total Fixed Assets

5,735,041.98

Other Assets

1910 · Long Term Bradbury SOD Act Assessments Receivable

3,372,698.07

1920 · Long Term Lauro SOD Act Assessments Receivable

634,994.44

1922 · Deferred Outflow of Resources (GASB 68)

1,136,753.00

1923 · Deferred Outflow (GASB 75)

652,844.00

Total Other Assets

5,797,289.51

TOTAL ASSETS

\$ 15,193,908.93

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

July 31, 2024

LIABILITIES & NET POSITION

Liabilities

Current Liabilities

Accounts Payable

2200 · Accounts Payable \$ 14,047.06

Total Accounts Payable 14,047.06

Other Current Liabilities

2505 · Accrued Wages 41,585.88

2510 · Accrued Expenses 4,431.47

2550 · Vacation/Sick 313,673.30

2561 · Bradbury Dam SOD Act 235,771.99

2563 · Lauro Dam SOD Act 35,784.41

2565 · Accrued Interest SOD Act 28,125.00

2590 · Deferred Revenue 197,723.54

Total Other Current Liabilities 857,095.59

Total Current Liabilities 871,142.65

Long Term Liabilities

2602 · Long Term SOD Act Liability-Bradbury 3,372,688.07

2603 · Long Term SOD Act Liability - Lauro 634,994.44

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 11,051,687.51

Total Liabilities 11,922,830.16

Net Position

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

3901 · Retained Net Assets 7,242,981.02

Net Surplus / Deficit 1,324,677.80

Total Net Position 3,271,078.77

TOTAL LIABILITIES & NET POSITION \$ **15,193,908.93**

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures (Unaudited)
 Budget vs. Actuals July 2024 - June 2025

	Fisheries				Operations				TOTAL			
	Jul 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul 24	Budget	\$ Over / (Under) Budget	% of Budget
Revenue												
3000 REVENUE												
3001 · O&M Budget (Qtrly Assessments)	\$ 577,190.00	\$ 1,449,436.00	\$ (872,246.00)	39.82%	\$ 1,249,399.00	\$ 4,854,900.00	\$ (3,605,501.00)	25.74%	\$ 1,826,589.00	\$ 6,304,336.00	\$ (4,477,747.00)	28.97%
3006 · Warren Act	0.00	17,286.00	-17,286.00	0.0%	0.00			0.0%	0.00	17,286.00	-17,286.00	0.0%
3007 · Renewal Fund	0.00	342,286.00	-342,286.00	0.0%	0.00			0.0%	0.00	342,286.00	-342,286.00	0.0%
3020 · Misc Income	0.00				0.00	20,000.00	-20,000.00	0.0%	0.00	20,000.00	-20,000.00	0.0%
3021 · Grant Income	0.00				560.00			100.0%	560.00	0.00	560.00	100.0%
3035 · Cachuma Project Betterment Fund	0.00	100,000.00	-100,000.00	0.0%	0.00			0.0%	0.00	100,000.00	-100,000.00	0.0%
3047 · 2023 Winter Storms	0.00				0.00	800,000.00	-800,000.00	0.0%	0.00	800,000.00	-800,000.00	0.0%
Total 3000 REVENUE	\$ 577,190.00	\$ 1,909,008.00	\$ (1,331,818.00)	30.24%	\$ 1,249,959.00	\$ 5,674,900.00	\$ (4,424,941.00)	22.03%	\$ 1,827,149.00	\$ 7,583,908.00	\$ (5,756,759.00)	24.09%
Expense												
3100 · LABOR - OPERATIONS	\$ -	\$ -	\$ -	0.0%	\$ 169,394.43	\$ 1,296,613.00	\$ (1,127,218.57)	13.06%	\$ 169,394.43	\$ 1,296,613.00	\$ (1,127,218.57)	13.06%
3200 VEH & EQUIPMENT												
3201 · Vehicle/Equip Mtce	0.00				2,409.87	40,000.00	-37,590.13	6.03%	2,409.87	40,000.00	-37,590.13	6.03%
3202 · Fixed Capital	0.00				0.00	200,000.00	-200,000.00	0.0%	0.00	200,000.00	-200,000.00	0.0%
3203 · Equipment Rental	0.00				0.00	40,000.00	-40,000.00	0.0%	0.00	40,000.00	-40,000.00	0.0%
3204 · Miscellaneous	0.00				53.86	10,000.00	-9,946.14	0.54%	53.86	10,000.00	-9,946.14	0.54%
Total 3200 VEH & EQUIPMENT	0.00				2,463.73	290,000.00	-287,536.27	0.85%	2,463.73	290,000.00	-287,536.27	0.85%
3300 · CONTRACT LABOR												
3301 · Conduit, Meter, Valve & Misc	0.00				0.00	35,000.00	-35,000.00	0.0%	0.00	35,000.00	-35,000.00	0.0%
3302 · Buildings & Roads	0.00				3,712.51	25,000.00	-21,287.49	14.85%	3,712.51	25,000.00	-21,287.49	14.85%
3303 · Reservoirs	0.00				2,333.33	60,000.00	-57,666.67	3.89%	2,333.33	60,000.00	-57,666.67	3.89%
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				6,045.84	160,000.00	-153,954.16	3.78%	6,045.84	160,000.00	-153,954.16	3.78%
3400 · MATERIALS & SUPPLIES												
3401 · Conduit, Meter, Valve & Misc	0.00				3,025.46	80,000.00	-76,974.54	3.78%	3,025.46	80,000.00	-76,974.54	3.78%
3402 · Buildings & Roads	0.00				301.15	20,000.00	-19,698.85	1.51%	301.15	20,000.00	-19,698.85	1.51%
3403 · Reservoirs	0.00				0.00	10,000.00	-10,000.00	0.0%	0.00	10,000.00	-10,000.00	0.0%
Total 3400 · MATERIALS & SUPPLIES	0.00				3,326.61	110,000.00	-106,673.39	3.02%	3,326.61	110,000.00	-106,673.39	3.02%
3500 · OTHER EXPENSES												
3501 · Utilities	0.00				494.87	7,000.00	-6,505.13	7.07%	494.87	7,000.00	-6,505.13	7.07%
3502 · Uniforms	0.00				0.00	7,500.00	-7,500.00	0.0%	0.00	7,500.00	-7,500.00	0.0%
3503 · Communications	0.00				472.12	16,000.00	-15,527.88	2.95%	472.12	16,000.00	-15,527.88	2.95%
3504 · USA & Other Services	0.00				166.95	8,000.00	-7,833.05	2.09%	166.95	8,000.00	-7,833.05	2.09%
3505 · Miscellaneous	0.00				627.89	12,000.00	-11,372.11	5.23%	627.89	12,000.00	-11,372.11	5.23%
3506 · Training	0.00				0.00	3,000.00	-3,000.00	0.0%	0.00	3,000.00	-3,000.00	0.0%
3507 · Permits	0.00				0.00	25,000.00	-25,000.00	0.0%	0.00	25,000.00	-25,000.00	0.0%
Total 3500 · OTHER EXPENSES	0.00				1,761.83	78,500.00	-76,738.17	2.24%	1,761.83	78,500.00	-76,738.17	2.24%

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures (Unaudited)
 Budget vs. Actuals July 2024 - June 2025

	Fisheries				Operations				TOTAL			
	Jul 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul 24	Budget	\$ Over / (Under) Budget	% of Budget
4100 · LABOR - FISHERIES	105,116.75	870,930.00	-765,813.25	12.07%	0.00				105,116.75	870,930.00	-765,813.25	12.07%
4200 · VEHICLES & EQUIP - FISHERIES												
4270 · Vehicle/Equip Mtce	5,488.11	30,000.00	-24,511.89	18.29%	0.00				5,488.11	30,000.00	-24,511.89	18.29%
4280 · Fixed Capital	0.00	20,000.00	-20,000.00	0.0%	0.00				0.00	20,000.00	-20,000.00	0.0%
4290 · Miscellaneous	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%
Total 4200 · VEHICLES & EQUIP - FISHERIES	5,488.11	52,500.00	-47,011.89	10.45%	0.00				5,488.11	52,500.00	-47,011.89	10.45%
4220 · CONTRACT LABOR - FISHERIES												
4221 · Meters & Valves	0.00	3,000.00	-3,000.00	0.0%	0.00				0.00	3,000.00	-3,000.00	0.0%
4222 · Fish Projects Maintenance	0.00	11,000.00	-11,000.00	0.0%	0.00				0.00	11,000.00	-11,000.00	0.0%
Total 4220 · CONTRACT LABOR - FISHERIES	0.00	14,000.00	-14,000.00	0.0%	0.00				0.00	14,000.00	-14,000.00	0.0%
4300 · MATERIALS/SUPPLIES - FISHERIES												
4390 · Miscellaneous	599.54	8,000.00	-7,400.46	7.49%	0.00				599.54	8,000.00	-7,400.46	7.49%
Total 4300 · MATERIALS/SUPPLIES - FISHERIES	599.54	8,000.00	-7,400.46	7.49%	0.00				599.54	8,000.00	-7,400.46	7.49%
4500 · OTHER EXPENSES - FISHERIES												
4502 · Uniforms	0.00	5,000.00	-5,000.00	0.0%	0.00				0.00	5,000.00	-5,000.00	0.0%
4503 · Permits	6,101.25	8,000.00	-1,898.75	76.27%	0.00				6,101.25	8,000.00	-1,898.75	76.27%
Total 4500 · OTHER EXPENSES - FISHERIES	6,101.25	13,000.00	-6,898.75	46.93%	0.00				6,101.25	13,000.00	-6,898.75	46.93%
4999 · GENERAL & ADMINISTRATIVE												
5000 · Director Fees	0.00				1,064.72	12,400.00	-11,335.28	8.59%	1,064.72	12,400.00	-11,335.28	8.59%
5001 · Director Mileage	0.00				57.99	600.00	-542.01	9.67%	57.99	600.00	-542.01	9.67%
5100 · Legal	0.00				0.00	75,000.00	-75,000.00	0.0%	0.00	75,000.00	-75,000.00	0.0%
5101 · Audit	0.00				0.00	22,750.00	-22,750.00	0.0%	0.00	22,750.00	-22,750.00	0.0%
5150 · Unemployment Tax	0.00				0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
5200 · Liability Insurance	0.00				9,472.75	47,900.00	-38,427.25	19.78%	9,472.75	47,900.00	-38,427.25	19.78%
5310 · Postage/Office Exp	0.00				419.50	6,000.00	-5,580.50	6.99%	419.50	6,000.00	-5,580.50	6.99%
5311 · Office Equip/Leases	0.00				562.88	13,440.00	-12,877.12	4.19%	562.88	13,440.00	-12,877.12	4.19%
5312 · Misc Admin Expenses	0.00				723.20	11,000.00	-10,276.80	6.58%	723.20	11,000.00	-10,276.80	6.58%
5313 · Communications	0.00				516.44	9,500.00	-8,983.56	5.44%	516.44	9,500.00	-8,983.56	5.44%
5314 · Utilities	0.00				895.16	9,739.00	-8,843.84	9.19%	895.16	9,739.00	-8,843.84	9.19%
5315 · Membership Dues	0.00				0.00	11,700.00	-11,700.00	0.0%	0.00	11,700.00	-11,700.00	0.0%
5316 · Admin Fixed Assets	0.00				129.84	12,000.00	-11,870.16	1.08%	129.84	12,000.00	-11,870.16	1.08%
5318 · Computer Consultant	0.00				0.00	35,000.00	-35,000.00	0.0%	0.00	35,000.00	-35,000.00	0.0%
5325 · Emp Training/Subscriptions	0.00				0.00	2,000.00	-2,000.00	0.0%	0.00	2,000.00	-2,000.00	0.0%
5330 · Admin Travel	0.00				0.00	3,500.00	-3,500.00	0.0%	0.00	3,500.00	-3,500.00	0.0%
5331 · Public Information	0.00				243.75	3,500.00	-3,256.25	6.96%	243.75	3,500.00	-3,256.25	6.96%
Total 4999 · GENERAL & ADMINISTRATIVE	0.00				14,086.23	281,029.00	-266,942.77	5.01%	14,086.23	281,029.00	-266,942.77	5.01%
5299 · ADMIN LABOR	0.00				119,913.16	718,758.00	-598,844.84	16.68%	119,913.16	718,758.00	-598,844.84	16.68%
5400 · GENERAL & ADMIN - FISHERIES												
5407 · Legal - FD	0.00	25,000.00	-25,000.00	0.0%	0.00				0.00	25,000.00	-25,000.00	0.0%
5410 · Postage / Office Supplies	221.35	4,000.00	-3,778.65	5.53%	0.00				221.35	4,000.00	-3,778.65	5.53%

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures (Unaudited)
 Budget vs. Actuals July 2024 - June 2025

	Fisheries				Operations				TOTAL			
	Jul 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul 24	Budget	\$ Over / (Under) Budget	% of Budget
5411 · Office Equipment / Leases	303.06	8,533.00	-8,229.94	3.55%	0.00				303.06	8,533.00	-8,229.94	3.55%
5412 · Misc. Admin Expense	389.42	7,500.00	-7,110.58	5.19%	0.00				389.42	7,500.00	-7,110.58	5.19%
5413 · Communications	278.08	4,454.00	-4,175.92	6.24%	0.00				278.08	4,454.00	-4,175.92	6.24%
5414 · Utilities	482.01	5,243.00	-4,760.99	9.19%	0.00				482.01	5,243.00	-4,760.99	9.19%
5415 · Membership Dues	0.00	7,200.00	-7,200.00	0.0%	0.00				0.00	7,200.00	-7,200.00	0.0%
5416 · Admin Fixed Assets	69.92	5,000.00	-4,930.08	1.4%	0.00				69.92	5,000.00	-4,930.08	1.4%
5418 · Computer Consultant	0.00	20,000.00	-20,000.00	0.0%	0.00				0.00	20,000.00	-20,000.00	0.0%
5425 · Employee Education/Subscription	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%
5426 · Director Fees	573.32	6,700.00	-6,126.68	8.56%	0.00				573.32	6,700.00	-6,126.68	8.56%
5427 · Director Mileage	31.19	300.00	-268.81	10.4%	0.00				31.19	300.00	-268.81	10.4%
5430 · Travel	400.80	4,000.00	-3,599.20	10.02%	0.00				400.80	4,000.00	-3,599.20	10.02%
5431 · Public Information	356.95	1,500.00	-1,143.05	23.8%	0.00				356.95	1,500.00	-1,143.05	23.8%
5441 · Audit	0.00	12,250.00	-12,250.00	0.0%	0.00				0.00	12,250.00	-12,250.00	0.0%
5443 · Liab & Property Ins	5,100.71	26,500.00	-21,399.29	19.25%	0.00				5,100.71	26,500.00	-21,399.29	19.25%
Total 5400 · GENERAL & ADMIN - FISHERIES	8,206.81	140,680.00	-132,473.19	5.83%	0.00				8,206.81	140,680.00	-132,473.19	5.83%
5499 · ADMIN LABOR-FISHERIES	53,617.52	322,898.00	-269,280.48	16.61%	0.00				53,617.52	322,898.00	-269,280.48	16.61%
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				0.00	10,000.00	-10,000.00	0.0%	0.00	10,000.00	-10,000.00	0.0%
6105 · ROW Management Program	0.00				0.00	20,000.00	-20,000.00	0.0%	0.00	20,000.00	-20,000.00	0.0%
6110 · SCADA Improvements & Support	0.00				0.00	35,000.00	-35,000.00	0.0%	0.00	35,000.00	-35,000.00	0.0%
6115 · COMB Blding Improvemnts & Maint	0.00				1,590.76	80,000.00	-78,409.24	1.99%	1,590.76	80,000.00	-78,409.24	1.99%
6126 · 2024 Winter Storm Repairs	0.00				0.00	150,000.00	-150,000.00	0.0%	0.00	150,000.00	-150,000.00	0.0%
6138 · Water Quality & Sediment Mgmt	0.00				4,758.63	40,000.00	-35,241.37	11.9%	4,758.63	40,000.00	-35,241.37	11.9%
Total 6199 · SPECIAL PROJECTS	0.00				6,349.39	335,000.00	-328,650.61	1.9%	6,349.39	335,000.00	-328,650.61	1.9%
6000 · INFRASTRUCTURE IMPROVEMENT PROJ												
6075 · Multi-Site Renwble Energy Resil	0.00				0.00	50,000.00	-50,000.00	0.0%	0.00	50,000.00	-50,000.00	0.0%
6074 · North Portal Log Boom Replcmnt	0.00				0.00	135,000.00	-135,000.00	0.0%	0.00	135,000.00	-135,000.00	0.0%
6045 · Critical Control Valve Replcmnt	0.00				0.00	75,000.00	-75,000.00	0.0%	0.00	75,000.00	-75,000.00	0.0%
6043 · Lauro Res Intake Design& Repair	0.00				0.00	50,000.00	-50,000.00	0.0%	0.00	50,000.00	-50,000.00	0.0%
6096 · Lower Reach BlowOff AVAR Valve	0.00				0.00	90,000.00	-90,000.00	0.0%	0.00	90,000.00	-90,000.00	0.0%
6102 · Lauro Bypass Channel Road Imprv	0.00				0.00	1,320,000.00	-1,320,000.00	0.0%	0.00	1,320,000.00	-1,320,000.00	0.0%
6107 · North Portal Elevator Mod	0.00				0.00	100,000.00	-100,000.00	0.0%	0.00	100,000.00	-100,000.00	0.0%
6123 · Sheffield Tunnel Insp/Eval SCC	0.00				0.00	75,000.00	-75,000.00	0.0%	0.00	75,000.00	-75,000.00	0.0%
6128 · Lauro Outlet Wrks Tunnel Safety	0.00				0.00	100,000.00	-100,000.00	0.0%	0.00	100,000.00	-100,000.00	0.0%
6134 · N.P. IT/Control Bldg Seismic	0.00				0.00	100,000.00	-100,000.00	0.0%	0.00	100,000.00	-100,000.00	0.0%
6137 · Rehab SCC Lateral Structures	0.00				0.00	305,000.00	-305,000.00	0.0%	0.00	305,000.00	-305,000.00	0.0%
Total 6000 · INFRASTRUCTURE IMPROVEMENT PROJ	0.00				0.00	2,400,000.00	-2,400,000.00	0.0%	0.00	2,400,000.00	-2,400,000.00	0.0%

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures (Unaudited)
 Budget vs. Actuals July 2024 - June 2025

	Fisheries				Operations				TOTAL			
	Jul 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul 24	Budget	\$ Over / (Under) Budget	% of Budget
6200 · PROGRAM SUPPORT SERVICES												
6201 · BO/FMP Implementation	0.00	42,000.00	-42,000.00	0.0%	0.00				0.00	42,000.00	-42,000.00	0.0%
6202 · GIS and Mapping	0.00	10,000.00	-10,000.00	0.0%	0.00				0.00	10,000.00	-10,000.00	0.0%
6205 · USGS Stream Gauge Program	0.00	110,000.00	-110,000.00	0.0%	0.00				0.00	110,000.00	-110,000.00	0.0%
Total 6200 · PROGRAM SUPPORT SERVICES	0.00	162,000.00	-162,000.00	0.0%	0.00				0.00	162,000.00	-162,000.00	0.0%
6300 · HABITAT IMPROVEMENT PROJECTS												
6207 · Oak Tree Restoration Program	0.00	10,000.00	-10,000.00	0.0%	0.00				0.00	10,000.00	-10,000.00	0.0%
6303 · Tributary Projects Support	0.00	10,000.00	-10,000.00	0.0%	0.00				0.00	10,000.00	-10,000.00	0.0%
6304 · Tributary Projects Improvements	0.00	305,000.00	-305,000.00	0.0%	0.00				0.00	305,000.00	-305,000.00	0.0%
Total 6300 · HABITAT IMPROVEMENT PROJECTS	0.00	325,000.00	-325,000.00	0.0%	0.00				0.00	325,000.00	-325,000.00	0.0%
Total Expense	\$ 179,129.98	\$ 1,909,008.00	\$ (1,729,878.02)	9.38%	\$ 323,341.22	\$ 5,674,900.00	\$ (5,351,558.78)	5.7%	\$ 502,471.20	\$ 7,583,908.00	\$ (7,081,436.80)	6.63%
Net Surplus / Deficit	\$ 398,060.02	\$ -	\$ 398,060.02	100.0%	\$ 926,617.78	\$ -	\$ 926,617.78	100.0%	\$ 1,324,677.80	\$ -	\$ 1,324,677.80	100.0%

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	August 26, 2024
Submitted by:	Janet Gingras

SUBJECT: Investment Report – July 31, 2024

RECOMMENDATION

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

DISCUSSION

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

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

Unrestricted Cash

Unrestricted cash exceeding current operating needs is invested in LAIF to generate interest income. The average effective yield rate, as of July 2024, is reported at 4.52%.

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

Table 1			
Unrestricted Reserve Funds			
Local Agency Investment Fund (LAIF)			
	6/30/2024	\$	1,396,770.09
(+) Deposits/Credits			1,715,313.57
(-) Checks/Withdrawals			(540,000.00)
Statement Balance	7/31/2024	\$	2,572,083.66

Restricted Cash


The Cachuma Project Warren Act Trust Fund (Trust Fund) and Cachuma Project Master Contract Renewal Fund (Renewal Fund) are two separate funds that have been established through contracts with the U.S. Bureau of Reclamation (Reclamation). The Trust Fund and the Renewal Fund require annual and five-year plans which are used to inform the Funds Committee in making decisions on expenditures for betterment of the Cachuma Project.

See Table 2 below for a summary of balances held in restricted accounts.

Table 2			
Restricted Reserve Funds			
American Riviera Bank Renewal Account			
Previous Balance	6/30/2024	\$	126,162.26
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	7/31/2024	\$	126,162.26
American Riviera Bank Warren Act Trust Fund			
Previous Balance	6/30/2024	\$	71,561.28
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	7/31/2024	\$	71,561.28

STATEMENT

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



 Secretary

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

Date	Num	Name	Memo	Amount
1050 - General Fund				
07/03/2024	31195	ACWA-Joint Powers Insurance Authority	Workers Compensation Program 4/1/2024 - 6/30/2024	-7,892.71
07/03/2024	31196	ACWA-Joint Powers Insurance Authority	Insurance Excess Crime Annual Premium Effective 7/1/2024	-781.00
07/03/2024	31197	Agri-Turf Supplies, Inc.	Weedwhacker Parts and Repairs (Ops)	-261.59
07/03/2024	31198	Association of Ca Water Agencies/JPIA	July 2024 Health Benefits Premium	-35,761.74
07/03/2024	31199	Caltrol, Inc.	Corona Del Mar SCC Slide Gate Controller Repair (Ops)	-3,822.14
07/03/2024	31200	City of Santa-Barbara	Trash & Recycling June 2024	-381.78
07/03/2024	31201	CMC Rescue, Inc.	One-Day Rescue Consultation - North Portal Elevator Retrieval System (Ops)	-2,000.00
07/03/2024	31202	Core and Main, LP	Air Valves and Gate Valves for the Lateral and AVAR-BO Rehabilitation Projects (Ops)	-10,502.01
07/03/2024	31203	Don's Heating & Air Conditioning, Inc.	COMB Building Maintenance - HVAC Repair (Ops)	-766.88
07/03/2024	31204	ECHO Communications	Message Service July 2024	-97.00
07/03/2024	31205	Elijah Papan	Travel / Lodging Reimbursement - CE-QUAL-W2 Course	-1,654.40
07/03/2024	31206	Fence Factory	Relacement of Broken Fence in the Upper Yard	-2,922.00
07/03/2024	31207	Flowers & Associates, Inc.	COMB 2023 Winter Storm Emergency Repairs - Toro Canyon	-532.00
07/03/2024	31208	Frontier Communications	Phone Service - North Portal	-53.22
07/03/2024	31209	Frontier Communications	Phone Service - Main Office Land Lines	-134.96
07/03/2024	31210	Home Depot Credit Services	Supplies (Ops & Fisheries)	-901.93
07/03/2024	31211	Ian's Tire & Auto Repair	Vehicle #132 - 2015 Ford F-150 Tire Replacement (Fisheries)	-1,089.61
07/03/2024	31212	Kenneth A. Knight, Consulting	Arborist Services - Review of Oak Tree Program Annual Report (Fisheries)	-375.00
07/03/2024	31213	Musick, Peeler & Garrett LLP	General Counsel May 2024 (Ops/Fisheries)	-3,010.00
07/03/2024	31214	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 6/7 & 6/21	-255.40
07/03/2024	31215	Quinn Company	Control Panel Replacement Parts for North Portal Generator	-9,197.54
07/03/2024	31216	R.A. Atmore & Sons, Inc	Vegetation Removal Glen Annie Dam Face & Roadside and Ortega Dam Face (Ops)	-25,488.00
07/03/2024	31217	Rayne of Santa Barbara Inc	June RO Rental	-35.00
07/03/2024	31218	Southern California Edison	Electricity - Main Office & Outlying Stations	-2,142.83
07/03/2024	31219	Turenchalk Network Services, Inc.	Canon Image Printer & Scanner for the Board Room (Ops/Fisheries)	-583.99
07/03/2024	31220	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee	-176.25
07/03/2024	31221	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 6054ci	-303.41
07/03/2024	31222	Zac Gonzalez Landscaping & Tree Care	Landscape Maintenance June 2024	-480.00
07/08/2024	31223	Aspect Engineering Group	SCADA Improvements & Support (Ops)	-1,706.36
07/08/2024	31224	Association of Ca Water Agencies/JPIA	August 2024 Health Benefits Premium	-35,761.74
07/08/2024	31225	AT&T	Long Distance Service June 2024	-39.06
07/08/2024	31226	Channel City Lumber	Materials for the Backhoe Carport (Ops)	-987.39
07/08/2024	31227	Cox Communications Santa Barbara	Business Internet July 2024	-195.44
07/08/2024	31228	Eurofins Eaton Analytical, LLC	Cachuma Lake Water Quality Analysis	-1,625.00
07/08/2024	31229	Federal Express	Shipping - Water Samples	-149.59
07/08/2024	31230	H&E Equipment Services, Inc.	Equipment Rental - Chipper (Ops)	-1,208.58
07/08/2024	31231	HDR Engineering, Inc.	FMP Implementation & Tributary Support - Engineering Services (Fisheries)	-2,143.90
07/08/2024	31232	Sparkletts	Operations Safety	-114.36
07/08/2024	31233	Turenchalk Network Services, Inc.	Network Support (Ops/Fisheries)	-3,126.60
07/08/2024	31234	WEX Fleet Universal	Fleet Fuel (Ops/Fisheries)	-2,789.22
07/08/2024	31235	Zac Gonzalez Landscaping & Tree Care	Tree Care & Landscaping	-7,753.55
07/15/2024	31236	A-1 Commercial Sweeping	Ortega & Carpinteria Reservoir - Commercial Sweeping and Dump Fees (Ops)	-775.00
07/15/2024	31237	CMRS-FP	Deposit of Funds to Postage Account	-300.00
07/15/2024	31238	Coastal Copy, Inc.	Copier Maintenance - Kyocera Taskalfas 3253ci & 6054ci	-103.75
07/15/2024	31239	County of Santa--Barbara	Waste Disposal Fee (Ops)	-82.33
07/15/2024	31240	Grainger	Material - Core Adapter & Core Bit (Ops)	-137.30
07/15/2024	31241	Impulse Advanced Communications	Phone Service - Main Office	-599.08
07/15/2024	31242	LoopUp, LLC	Conference Calls June 2024	-26.62
07/15/2024	31243	Musick, Peeler & Garrett LLP	General Counsel June 2024 (Ops/Fisheries)	-2,065.00
07/15/2024	31244	Peter Lapidus Construction, Inc.	Disposal of Materials - Lauro Yard (Ops)	-10,700.00
07/15/2024	31245	Smith MEP	Repair & Replacement to Motor Actuator Lauro Control Station (Ops)	-2,413.00
07/15/2024	31246	SWRCB - DWOCP	T2 Certificate Fee for Andrew Lemley (Ops)	-60.00
07/15/2024	31247	Verizon Wireless	Cellular Service - Wireless Modems, Cell Phones & iPads (Ops)	-709.12
07/15/2024	31248	Winema Industrial & Safety Supply	First Aid Supplies (Ops & FD)	-316.82
07/22/2024	31249	Central Coast Information Center	Record Search - Quiota & El Jaro Creek Fish Passage & Habitat Enhancement (Fisheries)	-300.00
07/22/2024	31250	Powell Garage	Vehicle #133 - Water Truck - Oil & Filter, Valve Cover, Brake Inspection (Fisheries)	-1,428.04
07/22/2024	31251	Securitas Technology Corp	Security System Monitoring Service - Aug-Oct	-166.95
07/22/2024	31252	Specialty Tool, LTD	Supplies (Ops)	-25.20
07/22/2024	31253	The Gas Company	Natural Gas - Main Office	-1.53
07/22/2024	31254	Tim Robinson	Travel and Lodging Reimbursement - ESRI Conference (Fisheries)	-626.50

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

Date	Num	Name	Memo	Amount
07/22/2024	31255	Total Compensation Systems, Inc.	OEPB GASB 75 Valuation	-1,620.00
07/22/2024	31256	United States Geological Survey	USGS Quarterly Joint Funding Agreement 04/01/24-06/30/24	-24,750.00
07/29/2024	31257	ACWA/Joint Powers Insurance Authority	2024-25 Property Insurance Renewal	-13,792.46
07/29/2024	31258	American Riviera Bank - Card Service	CDFW Permit, NP Elevator Repair, Domain Registration, Misc. Supplies (Ops/Fisheries)	-13,621.12
07/29/2024	31259	Channel City Lumber	Supplies - Paint & Bits (Ops)	-315.60
07/29/2024	31260	Cushman Contracting Corp.	EPFP Pumping System - Pay Req 123	-3,500.00
07/29/2024	31261	Don's Heating & Air Conditioning, Inc.	COMB Building Maintenance - HVAC Repair (Ops)	-219.00
07/29/2024	31262	Edward Lyons	Travel and Lodging Reimbursement - CSDA Conference	-618.25
07/29/2024	31263	Eurofins Eaton Analytical, LLC	Cachuma Lake Water Quality Analysis (Ops/Fisheries)	-1,765.00
07/29/2024	31264	Famcon Pipe & Supply	Parts for the Lateral Rehabilitation Project in Carpinteria (Ops)	-408.47
07/29/2024	31265	Fargen Surveys, Inc.	2024 Winter Storm Repairs - Lauro Debris Basin Survey (Ops)	-3,040.00
07/29/2024	31266	J&C Services	Office Cleaning Service - June	-960.00
07/29/2024	31267	Kenneth A. Knight, Consulting	Arborist Services	-125.00
07/29/2024	31268	Kristen Sneddon	Reissue - Director Meeting Fees February 2024	-401.11
07/29/2024	31269	Marborg Industries	Portable Facilities - Outlying Stations	-443.96
07/29/2024	31270	OS Systems, Inc.	Repair of Dry Suits (Fisheries)	-235.43
07/29/2024	31271	PG&E	Electricity - North Portal	-549.70
07/29/2024	31272	Rayne of Santa Barbara Inc	July RO Rental	-35.50
07/29/2024	31273	Van Sande Structural Consultants, Inc.	Lauro Outlet Works Tunnel Safety Improvements - Engineering Services (Ops)	-5,015.00
07/29/2024	31274	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 3253ci	-123.98
07/29/2024	31275	Winema Industrial & Safety Supply	First Aid Box (Ops)	-53.86
07/29/2024	31276	YSI Inc./Xylem	Water Quality Buoy Instruments & Materials (Ops/Fisheries)	-2,844.04
Total 1050 - General Fund				<u>-264,476.90</u>
TOTAL				<u>-264,476.90</u>

APPROVALS

CACHUMA OPERATION & MAINTENANCE BOARD

Lake Cachuma Oak Tree Committee Meeting

held at

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

Thursday, July 25, 2024

2:00 PM

AGENDA

Chair: Director Hayman

Member: Director Sneddon

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

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter on the agenda and within the Committee's jurisdiction*)
3. Lake Cachuma Oak Tree Restoration Program Annual Update - Fiscal Year 2024-25 Expenditures (*for information and possible recommendation*)
4. Adjournment

NOTICE TO THE PUBLIC

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

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

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

CACHUMA OPERATION & MAINTENANCE BOARD

Fisheries Committee Meeting

Wednesday, July 31, 2024

11:00 AM

AGENDA

Chair: Director Hanson

Member: Alternate Director Holcombe

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter on the agenda and within the Committee's jurisdiction*)
3. Draft Cachuma Project Master Contract Renewal Fund and Warren Act Trust Fund – Long Term and Annual Plan / Santa Barbara County Betterment Fund (*for information and possible recommendation*)
4. Update on Recent Fisheries Division Activities (*for information and possible recommendation*)
 - Field Observations
 - Coordination with Reclamation
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.]

CACHUMA OPERATION & MAINTENANCE BOARD

Operations Committee Meeting

held at

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

**Wednesday August 21, 2024
11:00 AM**

AGENDA

Acting Chair: Director Holcombe

Member: Alternate Director Hanson

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

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter on the agenda and within the Committee's jurisdiction*)
3. 2024 Winter Storm Damage – Debris Removal Project (*for information and possible recommendation*)
 - a. Lauro Debris Basin – Construction Contract for Debris Removal
4. Infrastructure Improvement Plan (*for information and possible recommendation*)
 - a. CVWD Cooperative Agreement – Proposed Second Amendment - Lateral Isolation Valve Replacement Project – Phase Three
5. Operations Division Equipment Purchases (*for information and possible recommendation*)
 - a. Crane Truck
 - b. Intake Log Boom
6. North Portal Elevator Status Update (*for information*)
7. Adjournment

NOTICE TO THE PUBLIC

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

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

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

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	August 26, 2024
Submitted by:	Janet Gingras

SUBJECT: Committee Appointments for Fiscal Year 2024-25

RECOMMENDATION:

It is recommended that the President of the Board consider and appoint standing committee members for Fiscal Year 2024-25.

SUMMARY:

The COMB Board consists of five standing committees including Administrative, Operations, Fisheries, Lake Cachuma Oak Tree, and Public Outreach. Each committee consists of two Board Directors (one of which is the Chair and the other a Member) and an alternate Director to serve on each committee. The committees meet during the course of the fiscal year, on an as-needed basis, together with COMB staff, to discuss various subjects and make recommendations to the Board. The Board President is responsible for the appointment of Directors to serve on each committee.

LIST OF EXHIBITS:

1. Current Committee appointments

COMMITTEE NAME	COMMITTEE CHAIR	COMMITTEE MEMBER	ALTERNATE MEMBER
Administrative (Finance, Personnel, Legal)	Director Holcombe	Director Hanson	Director Hayman
Operations	Director Sneddon	Director Holcombe	Director Hanson
Fisheries	Director Hanson	Director Hayman	Director Holcombe
Lake Cachuma Oak Tree	Director Hayman	Director Sneddon	Director Hanson
Public Outreach	Director Hanson	Director Holcombe	Director Hayman

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	August 26, 2024
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

SUBJECT: Financial Review – 4th Quarter Fiscal Year 2023-24

RECOMMENDATION:

The Board of Directors receive a presentation on the 4th Quarter Fiscal Year (FY) 2023-24 Financial Review and file.

DISCUSSION:

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

For FY 2023-24, COMB adjusted the collection of quarterly assessments based on project implementation and projected cash outflows, as follows:

Table 1
COMB Quarterly Budget Assessments FY 2023-24

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

FISCAL ANALYSIS:

Revenues Collected

- COMB assessed and collected \$1.2M in quarterly O&M Budget Assessments for the period April – June 2024.
- COMB received \$1M under a subgrant agreement with the County of Santa Barbara acting as the lead agency for the Integrated Regional Water Management Program (IRWMP). Proceeds from this grant were applied towards the Lake Cachuma Secured Pipeline project.
- COMB collected \$284.1K from FEMA/CalOES as partial reimbursement for the 2023 winter storm repairs.
- COMB earned \$11.7K in interest income for funds held with LAIF.

General and Administrative (Combined)

- General and Administrative Expenses include costs for support of all administrative functions of COMB such as: Director fees, legal expenditures, general liability and property insurance, audit fees, temporary/contract labor, utilities, IT and communications, postage and office supplies,

training, education and subscriptions and miscellaneous expenses. Costs are generally allocated between Operations and Maintenance (65%) and Fisheries Division (35%). General and Administrative expenses totaled \$321.4K (81.6%) and are within budget.

- General and Administrative Labor includes salaries, employer-paid payroll taxes, health insurance and retirement benefit costs for the COMB General Manager and Administrative staff. General and Administrative Labor expenses totaled \$876.8K (90.7%) and are within budget.

Operations Division

- Operation and Maintenance Labor includes salaries, employer-paid payroll taxes, health insurance and retirement benefit costs. Personnel costs thru December totaled \$1.0M (82.8%) and are within budget.
- Vehicles & Equipment includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Actual costs of \$291.6K (100.6%) are slightly higher than budget due to fixed capital purchases. Notable expenses for FY 2023-24 include the purchase of John Deere 320P backhoe (\$126K) with a hydraulic mulcher attachment (\$20.8K), a Ford F-150 Lighting fleet vehicle (\$71.8K), and a walk-behind brush mower (\$10.7K).
- Contract Labor contains funds for outside services and labor that cannot be supported by COMB staff such as water quality sampling, elevator maintenance or repair, tree trimming and removal services, heavy equipment and operators' labor costs for various small projects including meter calibration and meter repair. Actual costs of \$163.5K (102.2%) are slightly higher than budget. Notable costs include the storage of the key components of the emergency pumping barge (\$42K), water quality testing (\$26.5K) North Portal elevator repairs and maintenance (\$26.2K) and meter calibration (\$11.5K). Projects and staff assignments are reviewed closely by the COMB General Manager and Operations Division Manager to control costs in this category.
- Materials and Supplies covers costs related to the operation and maintenance of the conduit, reservoirs, and outlying buildings and roads. Actual costs of \$89.5K (89.5%) are within budget. Expenditures in this category can vary based on project needs.
- Other Expenses include utilities, uniforms, hazardous waste disposal, communications (phones at facilities, and cell phones for operations and maintenance), Underground Service Alerts, and employee training and certifications. Actual costs of \$82.9K (109.9%) are slightly higher budget by \$7K. This budget variance is attributed to staff training (\$4K) and permit fees (\$3.5K).
- Special Projects includes costs related to 2023 winter storm repairs, water quality and sediment management, COMB building improvements and maintenance, SCADA improvements and support, right of way identification program and GIS and mapping. Actuals costs of \$771.2K (56.1%) are lower than budget due to actual costs associated with 2023 Winter Storms (\$639.9k) as compared to original budget estimates (\$1.2M). COMB has received \$328.4k in FEMA/CalOES funding and is seeking reimbursement for the remaining costs.
- Infrastructure Improvement Projects - Board policy requires that all infrastructure improvement projects be approved through Committee and by the Board prior to commencement. The timing and ranking of other projects are dependent on factors such as: (1) water supply reliability, (2) risk, (3) critical need/life cycle of asset, (4) safety, and (5) service disruption necessary to accomplish project. Actual costs for the year total \$122.9K. This amount is attributed to the Bradbury Dam Stilling Basin De-Watering project. The SCC Lower Reach Lateral Structure Rehabilitation project (\$550K) is scheduled to be completed during the first quarter of FY 2024-25 as part of the Carpinteria Valley Water District Cooperative Agreement. Funds for this project were assessed and collected during FY 2023-24 and will be applied to this project.
- **The total Operations Division expenses of \$3.4M (61.8%) for FY 2023-24 are within budget and are reflected by quarter in Table 2:**

Table 2
Operations Division

	Actual Jul-Sep	Actual Oct-Dec	Actual Jan-Mar	Actual Apr-Jun	Annual Projected (2)	Annual Budget	Over / (Under) Budget (\$)	% of Budget
Revenue								
Revenue	\$ 765,468	\$ 836,276	\$ 1,462,855	\$ 1,104,221	\$ 4,168,820	\$ 5,453,875	\$ (1,285,055)	76.4%
Total Income	765,468	836,276	1,462,855	1,104,221	4,168,820	5,453,875	(1,285,055)	76.4%
Revenue	\$ 765,468	\$ 836,276	\$ 1,462,855	\$ 1,104,221	\$ 4,168,820	\$ 5,453,875	\$ (1,285,055)	76.4%
Expense								
General and Admin Expenses	44,534	73,437	48,846	41,191	208,009	262,525	(54,516)	79.2%
General and Admin Labor	224,840	123,135	152,728	131,643	632,346	670,202	(37,856)	94.4%
O&M Labor	294,494	226,333	266,452	223,144	1,010,421	1,220,348	(209,927)	82.8%
O&M Vehicle & Equip	6,533	17,151	19,841	248,084	291,608	290,000	1,608	100.6%
O&M Contract Labor	24,921	29,154	40,620	68,760	163,455	160,000	3,455	102.2%
O&M Material and Supplies	5,642	7,158	19,359	57,387	89,547	100,000	(10,453)	89.5%
O&M Other Expenses	10,714	34,335	10,833	27,025	82,907	75,800	7,107	109.4%
Special Projects	402,920	234,859	75,249	58,143	771,171	1,375,000	(603,829)	56.1%
Infrastructure Improvement Proj (2)	-	117,160	770	5,015	122,945	1,300,000	(1,177,055)	9.5%
Total Expense	1,014,598	\$ 862,721	\$ 634,698	\$ 860,392	\$ 3,372,409	\$ 5,453,875	\$ (2,081,466)	61.8%
Net Surplus / (Deficit)	(249,130)	\$ (26,446)	\$ 828,157	\$ 243,829	\$ 796,411	\$ -	\$ 796,411	

Note:

(1) Results are unaudited and subject to change.

(2) The SCC Lower Reach Lateral Structure Rehabilitation project(\$550K) is scheduled to be completed in the first quarter of FY 2024-25 as part of the Carpinteria Valley Water District Cooperative Agreement. Funds for this project were assessed and collected during FY 2023-24 and will be applied to this project.

Fisheries Division

- Fisheries Division Labor includes salaries, employer-paid payroll taxes, health insurance and retirement benefit costs for the Fisheries Division Manager, two Senior Field Biologists, a Biologist Aide position, and four part-time seasonal positions. Personnel costs of \$770.6K (93.5%) are within budget.
- Vehicles & Equipment includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Actual costs of \$38.5K (73.3%) are lower than budget due to lower than projected fixed capital purchases.
- Contract Labor contains funds for outside services/labor to support equipment calibration on flow meters, and funds for technical assistance corresponding to the operation, maintenance and performance review of completed fish passage projects. Projected consultant services are reviewed by the COMB General Manager and Fisheries Division Manager to control costs in this category. Actual costs of \$10.7K (76.2%) are within budget.
- Materials and Supplies includes costs for the purchase of items needed for the Fisheries Monitoring Program specifically for migration, spawning and over-summering, constructing and repairing fish migration traps and the equipment necessary to conduct snorkel and redds surveys. Actual costs of \$7.0K (87.0%) are within budget.
- Other Expenses includes funds to pay for uniforms and gear for the fisheries division employees. Actual costs of \$5.0K (49.7%) are within budget.
- Fisheries Division Activities includes funding for special activities related to ongoing Cachuma Project Biological Opinion (BiOp) compliance efforts, the implementation of the Lower Santa Ynez River Fisheries Monitoring Program (FMP), GIS mapping, and the USGS Stream Gauge Program. The use of external consultants and the timing of expenditures can vary year-to-year based on specific program needs or as particular stream or habitat issues arise. Actual costs of \$129.4 (75.2%) are within budget.

- **Fisheries Habitat Improvement** – includes funds for the Oak Tree Restoration Program and Tributary Project Improvements. Actual costs of \$225.2K (900.7%) are higher than budget due to non-budgeted repairs performed to Quiota Creek Crossings 5 and 9. These costs were offset with funds from the Warren Act Trust Fund and Renewal Fund.
- **The total Fisheries Division expenses of \$1.5M (100.7%) for FY 2023-24 are slightly over budget due to the aforementioned non-budgeted repairs related to the 2023 Winter Storms.**

Table 3
Fisheries Division

	Actual Jul-Sep	Actual Oct-Dec	Actual Jan-Mar	Actual Apr-Jun	Annual Projected	Annual Budget	Over/(Under) Budget (\$)	% of Budget
Revenue								
Revenue	\$ 418,834	\$ 413,855	\$ 374,766	\$ 452,867	\$ 1,660,322	\$ 1,533,913	\$ 126,409	108.2%
Expense								
General and Admin Expenses	24,174	41,432	26,165	21,640	113,412	131,181	(17,769)	86.5%
General and Admin Labor	68,771	50,561	65,473	59,619	244,423	296,750	(52,327)	82.4%
Fisheries Labor	228,138	171,168	205,116	166,200	770,622	824,382	(53,760)	93.5%
Fisheries Vehicle & Equip	6,505	10,279	12,840	8,853	38,476	52,500	(14,024)	73.3%
Fisheries Contract Labor	321	4,450	-	5,970	10,741	14,100	(3,359)	76.2%
Fisheries Material and Supplies	314	1,015	3,447	2,181	6,958	8,000	(1,042)	87.0%
Fisheries Other Expenses	222	1,020	748	2,982	4,973	10,000	(5,027)	49.7%
Fisheries Activities	30,205	5,060	27,013	67,134	129,412	172,000	(42,588)	75.2%
Fisheries Habitat Enhancement	8,235	207,287	1,920	7,731	225,173	25,000	200,173	900.7%
Total Expense	\$ 366,884	\$ 492,273	\$ 342,722	\$ 342,311	\$ 1,544,190	\$ 1,533,913	\$ 10,277	100.7%
Net Surplus / (Deficit)	\$ 51,951	\$ (78,418)	\$ 32,044	\$ 110,556	\$ 116,132	\$ -	\$ 116,132	

Note:

(1) Results are unaudited and subject to change.

Restricted Funds and Obligations

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

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

In calendar year 2023, COMB collected \$17.3K of Warren Act Trust Fund payments from CCWA for SWP water deliveries to the lake. These funds were reviewed Funds Committee at their meeting in July for use in FY 2024-25.

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

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

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

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

In July 2024, Reclamation notified the Santa Barbara County Water Agency and the Cachuma Project Member Units that their annual allocation request of 100% was approved for WY 2024-25. As a result, the aggregate amount collected from the Cachuma Project Member Units pursuant to Sub Article 27 (e)(3) of the Renewal Master Contract, was based on the following calculation:

Given:	WATF = \$17,286
	AOY = Annual Operation Yield of 25,714 x \$10 = \$257,100
	RFC = Renewal Fund Calculation = $[1 - (WATF / \$300,000)] \times AOY$
Then:	RFC = $[1 - (\$17,286 / \$300,000)] \times \$257,100$
	RFC = \$242,286

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

The fifteen percent obligation under the Bradbury SOD contract is \$7,605,739 and is to be repaid by annual payments over a 50-year period. COMB's payment obligation for FY 2023-24 is \$261,647. COMB assesses the Cachuma Project Member Units in accordance with their respective Cachuma Project entitlement percentages. COMB has conducted two technical sessions with Reclamation in an attempt to finalize the costs for the contract which may change/increase the obligation due.

The fifteen percent obligation under the Lauro SOD contract is \$1,009,737 and is to be repaid by annual payments over a 50-year period. COMB's payment obligation for FY 2023-24 is \$47,404. COMB assesses the COMB Member Agencies (only) in accordance with each Member Agencies' pro-rata Cachuma Project entitlement percentages.

LIST OF EXHIBITS:

- 1) Fiscal Year 2023-24 Statement of Revenue and Expenditures

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

	Fisheries				Operations				TOTAL			
	Jul-Jun 24	Annual Budget	\$ Over / (Under) Budget	% of Budget	Jul-Jun 24	Annual Budget	\$ Over / (Under) Budget	% of Budget	Jul-Jun 24	Budget	\$ Over / (Under) Budget	% of Budget
Revenue												
Revenue	\$ 1,660,322.31	\$ 1,533,913.00	\$ 126,409.31	108.2%	\$ 4,168,819.85	\$ 5,453,875.00	\$ (1,285,055.15)	76.4%	\$ 5,829,142.16	\$ 6,987,788.00	\$ (1,158,645.84)	83.4%
Total Revenue	1,660,322.31	1,533,913.00	126,409.31	108.2%	4,168,819.85	5,453,875.00	(1,285,055.15)	76.4%	5,829,142.16	6,987,788.00	(1,158,645.84)	83.4%
Expense												
General and Admin Expenses	113,411.68	131,181.00	(17,769.32)	86.5%	208,008.57	262,525.00	(54,516.43)	79.2%	321,420.25	393,706.00	(72,285.75)	81.6%
General and Admin Labor	244,423.27	296,750.00	(52,326.73)	82.4%	632,346.44	670,202.00	(37,855.56)	94.4%	876,769.71	966,952.00	(90,182.29)	90.7%
O&M Labor	-	-	-	-	1,010,421.42	1,220,348.00	(209,926.58)	82.8%	1,010,421.42	1,220,348.00	(209,926.58)	82.8%
O&M Vehicle & Equip	-	-	-	-	291,608.49	290,000.00	1,608.49	100.6%	291,608.49	290,000.00	1,608.49	100.6%
O&M Contract Labor	-	-	-	-	163,454.64	160,000.00	3,454.64	102.2%	163,454.64	160,000.00	3,454.64	102.2%
O&M Material and Supplies	-	-	-	-	89,546.60	100,000.00	(10,453.40)	89.5%	89,546.60	100,000.00	(10,453.40)	89.5%
O&M Other Expenses	-	-	-	-	82,906.80	75,800.00	7,106.80	109.4%	82,906.80	75,800.00	7,106.80	109.4%
Special Projects	-	-	-	-	771,171.26	1,375,000.00	(603,828.74)	56.1%	771,171.26	1,375,000.00	(603,828.74)	56.1%
Infrastructure Improvement Projects	-	-	-	-	122,944.64	1,300,000.00	(1,177,055.36)	9.5%	122,944.64	1,300,000.00	(1,177,055.36)	9.5%
Fisheries Labor	770,622.12	824,382.00	(53,759.88)	93.5%	-	-	-	-	770,622.12	824,382.00	(53,759.88)	93.5%
Fisheries Vehicle & Equip	38,476.08	52,500.00	(14,023.92)	73.3%	-	-	-	-	38,476.08	52,500.00	(14,023.92)	73.3%
Fisheries Contract Labor	10,741.49	14,100.00	(3,358.51)	76.2%	-	-	-	-	10,741.49	14,100.00	(3,358.51)	76.2%
Fisheries Material and Supplies	6,957.63	8,000.00	(1,042.37)	87.0%	-	-	-	-	6,957.63	8,000.00	(1,042.37)	87.0%
Fisheries Other Expenses	4,972.68	10,000.00	(5,027.32)	49.7%	-	-	-	-	4,972.68	10,000.00	(5,027.32)	49.7%
Fisheries Activities	129,411.69	172,000.00	(42,588.31)	75.2%	-	-	-	-	129,411.69	172,000.00	(42,588.31)	75.2%
Fisheries Habitat Enhancement	225,173.32	25,000.00	200,173.32	900.7%	-	-	-	-	225,173.32	25,000.00	200,173.32	900.7%
Other Interest Expense - EPPF	-	-	-	0.0%	-	-	-	-	-	-	-	0.0%
Total Expense	1,544,189.96	1,533,913.00	10,276.96	100.7%	3,372,408.86	5,453,875.00	(2,081,466.14)	61.8%	4,916,598.82	6,987,788.00	(2,071,189.18)	70.4%
Surplus / (Deficit) - O&M	\$ 116,132.35	\$ -	\$ 116,132.35		\$ 796,410.99	\$ -	\$ 796,410.99		\$ 912,543.34	\$ -	\$ 912,543.34	

Note: Results are unaudited and subject to change.

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	August 26, 2024
Submitted by:	Tim Robinson/ Edward Lyons
Approved by:	Janet Gingras

SUBJECT: Cachuma Project Warren Act Trust Fund / Cachuma Project Master Contract Renewal Fund 2024-25 Annual and Long-Term Plan / Santa Barbara County Betterment Fund

RECOMMENDATION:

The Board of Directors receive and file the Cachuma Project Annual and Long-Term Plan for Water Year 2024-25 and approve:

- a. Recommended program expenditures of Cachuma Project Warren Act Trust Fund (\$17,286), the Cachuma Project Master Contract Renewal Fund (\$242,286) and Renewal Fund 2024 carryover funds (\$100,000) totaling \$359,572 for Fiscal Year (FY) 2024-25 as outlined in the Plan and agreed upon by the Funds Committee.
- b. Proposed program expenditures of the Santa Barbara County Betterment Fund (\$100,000) for FY 2024-25 as agreed upon by the Santa Barbara County and the Cachuma Member Units' representative.

SUMMARY:

Cachuma Project Warren Act Trust Fund (WATF) / Renewal Fund (RF) ("Funds Committee") Meeting

COMB Resolution No. 249, approved unanimously by the COMB Board in 1997, establishes that the processes for implementation and administration of the Cachuma Project Warren Act Trust Fund and the Cachuma Master Contract Renewal Fund shall be merged and carried out under the process established by the Cachuma Project Trust Fund, with, a single Committee (the "Funds Committee") directing the preparation and implementation of Long-Term and Annual Work Plans.

The annual meeting of the Cachuma Project Warren Act Trust Fund / Renewal Fund (Funds Committee), and County Betterment Fund was conducted on Thursday, July 25, 2024. The Funds Committee participants included Edward Lyons, COMB Administrative Manager/CFO, appointed by the COMB Board to represent the Cachuma Member Units; Matt Young, representing the Santa Barbara County Water Agency; and Rain Emerson, representing the United States Bureau of Reclamation. Also in attendance were Janet Gingras, COMB General Manager, and Tim Robinson, COMB Fisheries Division Manager.

The Funds Committee is authorized to prepare and implement a Long-Term Plan and Annual Work Plan for expenditure of Trust Fund monies for purposes consistent with the Warren Act Memorandum of Understanding between the Central Coast Water Authority, the Bureau of Reclamation and COMB.

The Committee annually meets to discuss the Draft Annual and Long-Term Plan. The Cachuma Project Warren Act Trust Fund revenues collected for calendar year 2023 totaled \$17,286 based on 402 AF of State Water delivered to the lake during the year. Revenues to be collected from the Renewal Fund in fiscal year 2024-25 will be \$242,286 pursuant to Renewal Master Contract Article 27 (e)(3). In addition, there are

carryover funds available from the previous year in the amount of \$100,000 to be utilized for expenditures in FY 2024-25.

The participating Fund Committee members will be meeting for a final vote to approve the plan following COMB Board approval of expenditures per COMB resolution No. 249.

In accordance with the plan document (Tables 3 and 4), the funds will provide revenue for environmental restoration (\$318,000), regulatory requirements for monitoring, analyses and reporting (\$16,572), and Cachuma Project Betterment (\$25,000); for a total of \$359,572 funds available.

Santa Barbara County Water Agency Cachuma Betterment Fund meeting

Article 8 (b) of the Cachuma Project Member Unit contracts with Santa Barbara County Water Agency requires the County Water Agency to provide \$100,000 annually for beneficial purposes consistent with the Water Agency Act and within the Santa Ynez River watershed or the Cachuma Project service area. All decisions relating to the expenditure of such funds must be agreed to by both the County Water Agency and the Cachuma Member Units' Representative, acting by unanimous vote. The funds are allocated for the following activities for Fiscal Year 2024-25:

USGS Stream Gauging Program (COMB)	\$100,000
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FISCAL IMPACTS:

The FY 2024-25 COMB Operating Budget reflects the Warren Act Trust Fund / Renewal Fund and Santa Barbara County Betterment Fund revenue offsets for Fisheries Division approved activities consistent with the Annual Plan.

COMMITTEE STATUS

The Fisheries Committee reviewed the Draft 2024-25 Cachuma Project Annual and Long-Term Plan on July 31, 2024 and forwards the following to the Board with a recommendation to:

- a. Receive and file the Cachuma Project Annual and Long-Term Plan for Water Year 2024-25 as approved by the Funds Committee.
- b. Approve the recommended program expenditures of Cachuma Project Warren Act Trust Fund (\$17,286), the Cachuma Project Master Contract Renewal Fund (\$242,286) and Renewal Fund 2024 carryover funds (\$100,000) totaling \$359,572 for Fiscal Year (FY) 2024-25 as outlined in the Plan and agreed upon by the Funds Committee.
- c. Approve the proposed program expenditures of the Santa Barbara County Betterment Fund (\$100,000) for FY 2024-25 as agreed upon by the Santa Barbara County and the Cachuma Member Units' representative.

LIST OF EXHIBITS:

- 1) Cachuma Project Water Year 2024-25 Report with Annual and Long-Term Plans
- 2) Santa Barbara County Cachuma Project Betterment Fund Letter

CACHUMA PROJECT WARREN ACT TRUST FUND AND CACHUMA PROJECT MASTER CONTRACT RENEWAL FUND

REPORT WITH ANNUAL AND LONG-TERM PLANS FOR WATER YEAR 2024-25

Background

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. Department of the Interior Bureau of Reclamation (Reclamation). These two funds have similar, but not identical purposes which are explained below.

Warren Act Trust Fund

The Warren Act Trust Fund is a requirement of the Cachuma Project Warren Act Contract that the Central Coast Water Authority (CCWA) negotiated with Reclamation for delivery and transport of State Water Project (SWP) water through the Cachuma Project facilities. A 1995 memorandum of understanding (MOU) executed by Reclamation, the Cachuma Project Authority (CPA, now COMB¹), and the CCWA, in conjunction with the Warren Act Contract, established a charge of \$43 per acre foot (AF) for State Water Project (SWP) water delivered to the federal facility. The payment is made to CCWA by those participating agencies and passed through to COMB for administration and implementation of controlled activities as outlined in the Warren Act MOU.

Payments are required upon delivery of SWP water to the Cachuma Reservoir. CCWA makes quarterly payments to COMB based on the prior quarter's deliveries. The South Coast CCWA participants (City of Santa Barbara, Goleta Water District, Montecito Water District, and Carpinteria Valley Water District, plus La Cumbre Mutual Water Company, Morehart Land Company, and Santa Barbara Research Center), have a total entitlement of 13,750 AF per year (AFY).

Through a formalized exchange agreement, the South Coast Cachuma Project Member Agencies have an obligation to exchange their SWP water for Santa Ynez River Conservation District, ID No. 1's (ID No. 1) Cachuma Project water on an annual basis. ID No. 1's current Cachuma entitlement is 2,651 AFY. ID No. 1 currently delivers approximately 80 AFY to Cachuma Lake County Park, which reduces the amount available for exchange to approximately 2,571 AFY. This makes the maximum annual amount under normal Cachuma yield conditions to be assessed for the Cachuma Project Trust Fund approximately 11,179 AF.

SWP water was first delivered into Lake Cachuma in June 1997. From calendar year (CY) 1997 through CY 2022, a total of 114,576 AF has been delivered. Because the 1990s experienced an extended wet period, SWP water deliveries were modest. Calendar years 2000 through 2004, 2007 through 2010, and 2013 through 2018 saw an increase in SWP water deliveries due to drought conditions. SWP deliveries to the lake, in general, fluctuate according to weather conditions.

¹ CPA transferred all obligations, rights, and responsibilities to COMB in October 1996.

CCWA and the CPA² created the Warren Act Trust Fund as agreed to within the 1995 Warren Act MOU. The 1995 MOU established a two person Trust Fund Committee with one representative from Reclamation and one representative from the CPA (now COMB).

Article 3.b. of the MOU provides that the Bureau agrees to contribute its technical expertise and water management experience to assist in administering the Trust Fund by serving as a member of the Trust Fund Committee. In addition, Article 3.c. of the MOU provides that CPA (now COMB) serves on the Trust Fund Committee, manages and administers the Trust Fund, and provides administrative services to the Trust Fund Committee which is further confirmed by COMB Board Resolution No. 249 adopted in 1997.

Article 4 of the MOU provides for the creation and composition of a Trust Fund Committee, which is comprised of one representative each from the Bureau of Reclamation and CPA (now COMB). Article 4.d. provides for the creation of an Advisory Committee comprised of one representative each from the Santa Barbara County Water Agency (Agency), U.S. Fish and Wildlife Service, California Department of Fish and Wildlife, and three public members designated by the Trust Fund Committee. The Advisory Committee shall be authorized to attend and participate in discussions held at meetings of the Trust Fund Committee, but shall have no vote.

The Trust Fund Committee is authorized to prepare and implement a Long-Term Plan and Annual Work Plan for expenditure of Trust Fund monies for purposes consistent with the MOU. CCWA can attend the Trust Fund Committee meetings but has no vote.

The Trust Fund Committee shall only take action by unanimous vote and meetings will be announced with reasonable notice. The Trust Fund Committee determines the use of the funds which shall only be expended consistent with the Long-Term (5-Year) Plan and applicable Annual Plan, and approved by the Committee. Expenditures of the Trust Fund revenues as stated in the MOU are limited to the following:

- a. Environmental Restoration - *The restoration of any riparian and other habitat of the Santa Ynez River and its watershed which has been adversely affected by the Cachuma Project facilities, including (without limitation) restoration of habitat of rare, threatened or endangered species, fish habitat or populations, and plant and animal habitat.*
- b. Wastewater Reclamation - *Projects, whether new or existing, which will promote reclamation of wastewater within the service areas of the Cachuma Member Units.*
- c. Water Conservation - *Projects which will promote water conservation within the service areas of the Cachuma Member Units.*
- d. Innovative Water Management Techniques - *Other sound and innovative water management techniques which will benefit the Cachuma Member Units in assuring their water customers a reliable water supply of high quality and reasonable price.*
- e. Cachuma Project Betterment - *Capital outlays (other than routine repair and maintenance) which contribute to improvement of the Cachuma Project facilities, including project betterment for the purposes of safety or public recreation in the Santa Ynez River or on Lake Cachuma or adjacent federally-owned lands.*

² Creation and Management of the Trust Fund and other obligations of CPA were assumed by the Cachuma Operation and Maintenance Board (COMB) when CPA merged into COMB in October 1996.

Renewal Fund

The Renewal Fund (RF) is a requirement of the 1995 Renewal Master Contract (executed in 1996) entered into for water conveyance from the Cachuma Project to the five Cachuma Project Member Units, which include the City of Santa Barbara, the Goleta Water District, the Montecito Water District, the Carpinteria Valley Water District, and the Santa Ynez River Water Conservation District, Improvement District No. 1 (ID No. 1). The Renewal Master Contract requires the payment of \$10 per acre-foot of water made available by the Cachuma Project during the water year, which runs from October 1st to September 30th, as stipulated in Article 27(e). The Renewal Fund itself is capped at \$257,100, which is related to the annual operational yield of 25,714 AF (100% allocation) as outlined in the Master Contract.

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

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

Payments into the RF are generally made prior to the beginning of each water year and are calculated according to Article 27, sub article (e). As an example, for the RF calculation in WY2021, the prior calendar year was 2019, because that is the nearest prior full calendar year to WY2021. Payments to the Renewal Fund were determined by the formula stated in sub article (e) 3: 1 minus the ratio of the prior calendar year Trust Fund payment to \$300,000 (RF = [1- prior CY TF payment/\$300,000] x \$257,100). In this example, the prior CY Trust Fund payment was \$62,780, making the ratio 0.21; 1 minus 0.21 is 0.79; 0.79 times \$257,100 is \$203,298, which would be the Renewal Fund payment requirement for that water year. The combined total available funds would be the sum of those two amounts, or \$266,078. If the approved WY allocation is less than 100%, then that allocation may impact the result of the Renewal Fund amount for that water year as defined above and in the contract documents (i.e., WY2016 with 0% allocation resulting in \$0 RF). When the Trust Fund amount in the CY prior to a Cachuma Project water year is greater than \$300,000, the ratio would be greater than 1; 1 minus that amount is less than zero, so no Renewal Fund payment is required. The calculation for a zero Renewal Fund payment has occurred for WY2006, WY2016, WY2018, WY2019, and WY2020 because the amount of SWP water was significant in those years.

The Cachuma Project 1995 Renewal Master Contract states that the contracting officer (Reclamation) and the Cachuma Member Units shall jointly develop a Long-Term (5-year) Plan and an Annual Work Plan. Through COMB Board Resolution No. 249, the Cachuma Project Member Units agreed

unanimously to merge the processes for implementation and administration of the Cachuma Project Warren Act Trust Fund and the Cachuma Project Master Contract Renewal Fund under a single committee (referred to as the “Funds Committee”) directing the preparation and implementation of Long-Term and Annual Work Plans. Resolution No. 249, passed unanimously by the COMB Board in 1997, also authorized the COMB Board to appoint a representative to the Funds Committee who would represent the interests of and provide recommendations from the Cachuma Member Units, as well as work with Reclamation’s committee member to develop joint Long-Term and Annual Work Plans for the use of both Funds.

The Cachuma Project Renewal Master Contract specified that five years after adoption of the first Annual Plan, the Contractor (Santa Barbara County) shall be substituted for the Contracting Officer (Reclamation) for the Renewal Fund discussions; this change in representation began in WY2003 and Santa Barbara County has been the representative since that time. The Funds Committee composition dictates that the voting members of the Funds Committee are Reclamation, COMB and Santa Barbara County. COMB manages and administers both the Trust Fund and the Renewal Fund administration and accounts as stipulated in the Cachuma Project Renewal Master Contract and COMB Board Resolution No. 249.

Article 27(a) of the Cachuma Project Renewal Master Contract (MCA 27) describes the purposes of Renewal Fund, which include the following:

- a. Mitigation activities for the selected alternative in the Master Contract Renewal EIS/EIR. No mitigation activities were identified, so this section does not apply.*
- b. Activities which may be required of the Contracting Officer by State Water Resources Control Board (SWRCB) orders affecting the Project Water Rights.*
- c. Studies described in sub-article 7 (b) which are specific to conducting and preparing studies and reports that are required to be submitted by Reclamation to the SWRCB pursuant to Board WR94-5 paragraph 3, including fisheries studies and other related studies under the continuing jurisdiction of the SWRCB.*
- d. Studies relating to modifications in the Cachuma Project operations pursuant to sub-article 9 (g), including to protect the environment and groundwater quality downstream of Bradbury Dam, conserve Project Water, and promote efficient water management.*
- e. Restoration of riparian or other habitat of the Santa Ynez River and its watershed which has been adversely affected by the Project.*
- f. Activities of Reclamation pursuant to sub-article 27 (i) that are required by law to be reimbursed by the Contractor, those shall be included in the Long-Term Plan and Annual Work Plan and reimbursed by the Renewal Fund.*

Objectives of the Funds

Integration of the objectives of the two funds suggests the following categories:

1. Environmental restoration (Biological Opinion and SWRCB Orders).
2. Implementation of regulatory requirements.
3. Water management and conservation by Cachuma Project members.
4. Cachuma Project betterment.

Annual and Five-Year Plans

The contractual documents establishing the Trust Fund and Renewal Fund require preparation of an Annual Work Plan and a Five-Year Plan. Per COMB Resolution No. 249, passed unanimously by the COMB Board in 1997, the Cachuma Operation and Maintenance Board (representing the Cachuma Member Units) shall appoint a representative to the Funds Committee and said representative shall work with the Reclamation to develop joint Long-Term and Annual Work Plans for use of the funds.

Revenue Estimates

Trust Fund revenues from Member Unit State Water Project (SWP) deliveries in CY2023 were \$17,286 based on 402 AF delivered, and Renewal Fund revenues derived from operational yield of the Cachuma Project deliveries at a 100% allocation in WY2025 will be \$242,286 for total available revenues of \$259,572 (Table 1). These available revenues are anticipated to be fully utilized during the coming Water Year. A historical record since 1995 and projected revenues through WY2029 for both funds are shown in Table 2. For the third time, there is a carryover from last year of \$100,000 that will be added to the revenues for this year. Fund amounts through WY2025 are based on the actual prior calendar year SWP water deliveries; subsequent years' revenues are based on full usage of allotted SWP water deliveries (402 AF), thus reaching the Trust fund projected average of \$300,000 (6,977 AF) without any projected revenues from the Renewal Fund. If at the beginning of any water year the combined balance of the Cachuma Project Trust Fund and Renewal Fund is \$600,000 or more, then contributions to the Renewal Fund are not required for such water year. It is important to remember that SWP water orders can be changed on a monthly basis, so the actual amount delivered in any year may be quite different from projected orders. CY1998 is a good example of how orders can change where 3,888 AF of SWP water was ordered but no actual deliveries were made into the lake because Lake Cachuma was spilling through July. Deliveries were not possible after that time because fish releases were being made through the Bradbury Dam Outlet Works due to release constraints under the BiOp. Typically, advance orders will be greater than actual deliveries. The SWP water orders are first subject to an exchange with ID No. 1 as described above. The SWP water delivery amounts shown in Table 1 are in consideration of the ID No. 1 exchange amount. The Cachuma Project Member Units maximum available supply from the Cachuma Project each year is currently 25,714 AFY.

Table 1: Trust Fund and Renewal Fund calculation of contributions and assessments for WY2025.

TRUST FUND (T) (Warren Act) - State Water			
GIVEN:	Q = Acre-Feet of State Water Project Deliveries to Cachuma Reservoir in CY2023		
	Q =	402 Acre-Feet used in CY2023	
	T = Warren Act Trust Fund Contribution = Q x \$43 per Acre-Foot		
THEN:	T =	402 x \$43	
	T =	\$17,286	
WARREN ACT TRUST FUND REVENUE FOR CALENDAR YEAR 2023			
CCWA PARTICIPANTS		USED	AMOUNT DUE
		(af)	(\$)
GOLETA WATER DISTRICT		0	\$0
CITY OF SANTA BARBARA		0	\$0
CARPINTERIA VALLEY WD		0	\$0
MONTECITO WATER DISTRICT		0	\$0
LA CUMBRE MUTUAL WATER COMPANY		370	\$15,910
MOREHART LAND COMPANY		32	\$1,376
SB RESEARCH CENTER (RAYTHEON)		0	\$0
TOTAL		402	\$17,286
RENEWAL FUND (R) - Cachuma Water			
GIVEN:	W = Annual Operations Yield of 25,714 af x \$10 =		\$257,140
	Renewal Fund cap:	\$257,100	
	RF Cap x Allocation (100%) (af):	25,714	
	R = Renewal Fund Contribution = [1 - (T/\$300,000)] x W		
THEN:	R* = [1 - (\$17,286/\$300,000)] x \$257,100		
	R =	\$242,286	
RENEWAL FUND ALLOCATION FOR WATER YEAR 2024 - 2025 (PAYMENT DUE OCTOBER 1, 2024)			
MEMBER UNIT		COST SHARE**	AMOUNT DUE
		(%)	(\$)
GOLETA WATER DISTRICT		36.25	\$87,829
CITY OF SANTA BARBARA		32.19	\$77,992
CARPINTERIA VALLEY WD		10.94	\$26,506
MONTECITO WATER DISTRICT		10.31	\$24,980
SANTA YNEZ RWCD ID#1		10.31	\$24,980
TOTAL		100.00	\$242,286
* Pursuant to Renewal Fund Master Contract Article 27(e)(3).			
** Based on Cachuma Entitlement.			
TOTAL FUNDS AVAILABLE FOR WATER YEAR 2024-2025:			\$259,572

Table 2: Trust Fund and Renewal Fund revenues based on SWP deliveries and constant Cachuma Project deliveries; the funds were initiated in 1997.

Trust Fund			Renewal Fund			Total Available	Expected Expenditures
Calendar Year	SWP Deliveries (AF)	Funds	Water Year	Cachuma Scheduled Deliveries (AF)	Funds	Water Year	Funds
1995	-	\$0	1997	25,714	\$257,100	1997	\$257,100
1996	-	\$0	1998	25,714	\$257,100	1998	\$257,100
1997	1,502	\$64,586	1999	25,714	\$201,750	1999	\$266,336
1998	0	\$0	2000	25,714	\$257,100	2000	\$257,100
1999	505	\$21,715	2001	25,714	\$238,490	2001	\$260,205
2000	2,334	\$100,362	2002	25,714	\$171,090	2002	\$271,452
2001	809	\$34,787	2003	25,714	\$227,288	2003	\$262,075
2002	6,708	\$288,444	2004	25,714	\$9,903	2004	\$298,347
2003	4,568	\$196,424	2005	25,714	\$88,765	2005	\$285,189
2004	8,836	\$379,948	2006	25,714	\$0	2006	\$379,948
2005	506	\$21,758	2007	25,714	\$238,453	2007	\$260,211
2006	759	\$32,637	2008	25,714	\$229,130	2008	\$261,767
2007	6,316	\$271,588	2009	25,714	\$24,349	2009	\$295,937
2008	3,694	\$158,842	2010	25,714	\$120,972	2010	\$279,814
2009	2,537	\$109,091	2011	25,714	\$163,609	2011	\$272,700
2010	1,788	\$76,884	2012	25,714	\$191,210	2012	\$268,094
2011	1,013	\$43,559	2013	25,714	\$219,770	2013	\$263,329
2012	385	\$16,555	2014	25,714	\$242,912	2014	\$259,467
2013	2,638	\$113,434	2015	11,571	\$159,887	2015	\$273,321
2014	13,296	\$571,728	2016	0	\$0	2016	\$571,728
2015	5,542	\$238,306	2017	10,286	\$52,872	2017	\$291,178
2016	14,427	\$620,361	2018	10,286	\$0	2018	\$620,361
2017	12,547	\$539,521	2019	25,714	\$0	2019	\$539,521
2018	13,751	\$591,293	2020	25,714	\$0	2020	\$591,293
2019	1,460	\$62,780	2021	25,714	\$203,298	2021	\$266,078
2020	1,002	\$43,086	2022	18,000	\$179,998	2022	\$223,084
2021	2,751	\$118,293	2023	25,714	\$155,723	2023	\$274,016
2022	4,902	\$210,786	2024	25,714	\$76,456	2024	\$287,242
2023	402	\$17,286	2025	25,714	\$242,286	2025	\$259,572
2024	6,977	\$300,000	2026	25,714	\$0	2026	\$300,000
2025	6,977	\$300,000	2027	25,714	\$0	2027	\$300,000
2026	6,977	\$300,000	2028	25,714	\$0	2028	\$300,000
2027	6,977	\$300,000	2029	25,714	\$0	2029	\$300,000
2028	6,977	\$300,000	2030	25,714	\$0	2030	\$300,000
2029	6,977	\$300,000	2031	25,714	\$0	2031	\$300,000
114,978 CY1997-2023 total SWP Delivered							
Notes:							
- Calendar Years 1997 through 2023 show actual State Water deliveries to Cachuma Reservoir; following years are requested deliveries.							
- State Water deliveries are based on calendar year.							
- Cachuma Project deliveries are based on water year (October 1 through September 30).							
- Trust Fund charge is \$43 per AF and Renewal fund charge is \$10 per AF (in 1995 dollars).							
- Renewal Fund is reduced by prior full calendar year Trust Fund revenue, for example, 2002 Renewal Fund amount is reduced by 2000 Trust Fund revenue.							
- Total Available is current year Renewal Fund plus full prior year Cachuma Project Trust Fund (for example, 2002 Trust Fund plus 2004 Renewal Fund).							
- Total Available will be increased by any accrued interest in the fund accounts.							
(Please see Financial Statement attached.)							

Table 3 provides a summary of the activities for which the Trust Fund and Renewal Fund revenues have been used since 1997. (See Table 2 for the calculation of annual revenues from each of the two funds). Activities are similar year to year and have focused on environmental restoration projects which include the Oak Tree restoration program of work and restoration of riparian habitat of the Santa Ynez River and its watershed including restoration of habitat for endangered species, meeting regulatory requirements outlined in the Cachuma Project Biological Opinion (2000) such as monitoring, trapping, snorkel surveys, redd surveys, reporting and public outreach, and Cachuma Project Betterment projects such as conservation easements and watershed protection efforts, and Hilton Creek channel enhancements efforts.

Table 3: Use of the Trust Fund and Renewal Fund revenues from 1998 to 2025 by Fiscal Year.

Fiscal Year	Activities:			Total
	Environmental Restoration	Regulatory Requirements	Cachuma Project Betterment	
1998	\$257,100	\$0	\$0	\$257,100
1999	\$257,100	\$0	\$0	\$257,100
2000	\$266,336	\$0	\$0	\$266,336
2001	\$62,000	\$195,100	\$0	\$257,100
2002	\$123,200	\$99,005	\$38,000	\$260,205
2003	\$48,000	\$215,452	\$8,000	\$271,452
2004	\$75,000	\$187,075	\$0	\$262,075
2005	\$105,000	\$193,347	\$0	\$298,347
2006	\$0	\$263,189	\$22,000	\$285,189
2007	\$50,000	\$317,948	\$12,000	\$379,948
2008	\$50,000	\$198,211	\$12,000	\$260,211
2009	\$50,000	\$198,267	\$13,500	\$261,767
2010	\$42,000	\$241,437	\$12,500	\$295,937
2011	\$45,000	\$227,314	\$7,500	\$279,814
2012	\$45,000	\$222,700	\$5,000	\$272,700
2013	\$171,000	\$97,094	\$0	\$268,094
2014	\$172,000	\$91,329	\$0	\$263,329
2015	\$190,000	\$69,467	\$0	\$259,467
2016	\$425,000	\$146,728	\$0	\$571,728
2017	\$200,000	\$91,178	\$0	\$291,178
2018	\$225,000	\$365,361	\$30,000	\$620,361
2019	\$225,000	\$284,521	\$30,000	\$539,521
2020	\$30,000	\$511,293	\$50,000	\$591,293
2021	\$25,000	\$191,078	\$50,000	\$266,078
2022	\$25,000	\$148,084	\$50,000	\$223,084
2023	\$25,000	\$199,016	\$79,123	\$303,139
2024	\$315,000	\$77,965	\$50,000	\$442,965
2025	\$318,000	\$16,572	\$25,000	\$359,572

Milestones

Below are important milestones associated with or having an effect on the LSYR Fisheries Program since the issuance of the 2000 Cachuma Project BiOp. Many of these activities have been partially funded by the Trust and Renewal Funds as well as the County's Cachuma Betterment Fund.

WY2000 (October 1999 – September 2000)

December 1999 - Completion of Hilton Creek Water Supply System* and Fish Management Plan Inaugural Ceremony
 April 2000 - Lake Cachuma Spilled
 September 2000 - Steelhead Biological Opinion for Cachuma Project Operations Issued by NMFS

WY2001 (October 2000 – September 2001)

October 2000 - Final LSYR Fish Management Plan
 February 2001 - Lake Cachuma Spilled
 November 2000 - SWRCB Hearings on Cachuma Project Water Rights Permits (Phase 1)

WY2002 (October 2001 – September 2002)

January 2002 - Completion of Salsipuedes Creek/Highway 1 Fish Passage Enhancement**
 June 2002 - Administrative Draft EIR/EIS for Fish Management Plan and Biological Opinion
 June 2002 - Submittal of 2002 WR 89-18 Release Monitoring Plan (RPM 6, BiOp) to USBR and NMFS

WY2003 (October 2002 – September 2003)

December 2002 - Cachuma Project Settlement Agreement between CCRB, ID#1, SYRWCD & City of Lompoc
 April 2003 - Installation of Variable Depth Intake for Hilton Creek Watering System*
 May 2003 - Pre-Hearing Conference for SWRCB Hearings on Cachuma Project Water Rights Permits
 June 2003 - Draft EIR/EIS for Fish Management Plan and Biological Opinion
 August 2003 - Draft SWRCB EIR on Cachuma Operations

WY2004 (October 2003 – September 2004)

Oct-Nov 2003 - SWRCB Hearings on Cachuma Project Water Rights Permits (Phase 2)
 January 2004 - Cachuma Park Boat Launch Ramp Raised to Accommodate 1.8 ft Surcharge
 January 2004 - Completion of Salsipuedes Creek/Jalama Road Fish Passage Enhancement*
 February 2004 - Completion of El Jaro Creek Streambank Stabilization Projects**
 February 2004 - MOU Regarding Surcharge of Lake Cachuma and Protection of Cachuma Park Facilities
 March 2004 - Completion of Final EIR/EIS for Fish Management Plan and Biological Opinion
 March 2004 - Reclamation ROD for Final EIS for Fish Management Plan and Biological Opinion
 April 2004 - Installation of Bradbury Dam Gate Extensions for Cachuma Reservoir Surcharge Project
 May 2004 - Revised Cachuma Project Fish Passage Supplementation Program (BiOp Term & Condition)
 June 2004 - Submittal of 2004 WR 89-18 Release Monitoring Plan (RPM 6, BiOp) to USBR and NMFS
 August 2004 - Upper Basin Analysis - initiated

WY2005 (October 2004 – September 2005)

November 2004 - COMB Certification of Final EIR for Fish Management Plan and Biological Opinion
 November 2004 - Modeling Protocol for Target Flow Monitoring Approved and Implemented
 December 2004 - Crawford-Hall Filed CEQA Lawsuit against COMB for Final FMP/BiOp EIR
 December 2004 - Flow Capacity Modifications for Hilton Creek Watering System and Installation of Pump*
 January 2006 - Completion of Year 1 of the Oak Tree Restoration Program
 January 2005 - Lake Cachuma Spilled
 March 2005 - Amended MOU Regarding Surcharge of Lake Cachuma and Protection of Park Facilities
 April 2005 - Installation of Pumping System for Hilton Creek Watering System*
 April 2005 - Surcharge Lake Cachuma by 2.5 feet (~7700 acre feet) for Steelhead Fishery Downstream

July 2005 - Summer 2005 (First) Santa Ynez River Fish Management Plan Newsletter
June 2005 - Completion of Year 1 Cachuma Oak Tree Restoration Program
September 2005 - Senior Resources Scientist Hired for Fisheries Program

WY2006 (October 2005 – September 2006)

October 2005 - Approval Letter from NMFS for Revised Cachuma Project Fish Passage Supplementation Program
November 2005 - Crawford-Hall Filed NEPA Lawsuit against United States for Final FMP/BiOp EIS
November 2005 - Fall 2005 Santa Ynez River Fish Management Plan Newsletter
December 2005 - Construction of Hilton Creek Cascade/Chute Fish Passage Enhancement (Reclamation Project) **
Oct-Dec 2005 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2006 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2006 - Completion of Year 2 of the Oak Tree Restoration Program – (375 oak trees planted)
February 2006 - Conducted passage supplementation during two storms
February 2006 - Distribution of Fish Projects Brochure
Feb-April 2006 - Supplemental Passage Flow Releases (from 2005 surcharge)
April 2006 - Lake Cachuma Spilled
April 2006 - Interim Agreement with County to Surcharge Lake Cachuma up to 3.0 feet
June 2006 - Preliminary Redesign of Quiota Creek Fish Passage Projects
July 2006 - Summer 2006 Santa Ynez River Fish Management Plan Newsletter
May 2006 - Preliminary Design of El Jaro San Julian Fish Passage
Sept 2006 - Preliminary Design of El Jaro Cross Creek Fish Passage

WY2007 (October 2006 – September 2007)

October 2006 - Development of GIS for Santa Ynez River Fisheries Program
January 2007 - Winter 2007 Santa Ynez River Fish Management Plan Newsletter
Oct-Dec 2006 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2007 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2007 - Completion of Year 3 of the Cachuma Oak Tree Restoration Program (375 oak trees planted)
February 2007 - Winter 2007 Santa Ynez River Fish Management Plan Newsletter
March-April 2007 - Crawford-Hall Petition to Add Caltrans to CEQA Lawsuit Against COMB for Final FMP/BiOp EIR and Hearing on Petition (unsuccessful – petition denied)
May 2007 - Completion of Quiota Creek Watershed Draft Report
July 2007 - Submittal of 2007 WR 89-18 Release Monitoring Plan (RPM 6, BiOp) to USBR and NMFS
July 2007 - SWRCB Revised Draft EIR on Cachuma Operation
September 2007 - Preliminary Design of El Jaro Cross Creek Fish Passage
September 2007 - Completion of Various AMC Reports to meet BiOp Terms & Conditions

WY2008 (October 2007 – September 2008)

December 2007 - Submitted to NMFS the 2006 Fish Passage Supplementation Report
December 2007 - Final Design of El Jaro San Julian Fish Passage
Oct-Dec 2007 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2008 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2008 - Completion of Year 4 of the Cachuma Oak Tree Restoration Program (375 oak trees planted)
January 2008 - Lake Cachuma Spilled
March 2008 - Draft Ramp-Down after Spill Protocol
April 2008 - Agreement with County to Surcharge Lake Cachuma up to 3.0 feet
June 2008 - Summer 2008 LSYR Fish Management Plan Newsletter
July 2008 - Construction of El Jaro San Julian Fish Passage Project**
August 2008 - NMFS Draft Recovery Plan Outline for Southern Steelhead
August 2008 - Completion of the Santa Ynez River Genetics Analysis (NOAA Research Lab at UCSC)

September 2008 - Draft Resource Management Plan EIS for Cachuma Recreation Area

WY2009 (October 2008 – September 2009)

March 2009 - Completion of El Jaro San Julian Fish Passage Project**
October 2008 - Construction of the Quiota Creek Fish Passage Bottomless Arched-Culvert at Crossing 6**
December 2008 - Completion of Draft 1993-2004 Santa Ynez River Fisheries Synthesis Report
Oct-Dec 2008 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2009 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2009 - Completion of Year 5 of the Cachuma Oak Tree Restoration Program (375 oak trees planted)
January 2009 - Submittal of 2007 WR 89-18 Release Monitoring Report (RPM 6 - BiOp) to USBR and NMFS
February 2009 - Completion of Management Report for Santa Ynez River Genetics Analysis
March 2009 - Completion of El Jaro San Julian Fish Passage Project**
March 2009 - Completion of the Quiota Creek Fish Passage Bottomless Arched-Culvert at Crossing 6**
August 2009 - Construction of Cross Creek Ranch Fish Passage Enhancement Project on El Jaro Creek
August 2009 - Negotiations of Conservation Easements on Salsipuedes and El Jaro Creeks
September 2009 - Completion of Various AMC Reports to meet BiOp Terms & Conditions

WY2010 (October 2009 – September 2010)

November 2009 - Completion of Cross Creek Ranch Fish Passage Enhancement Project on El Jaro Creek**
Oct-Dec 2009 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2010 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2010 - Completion of Year 6 of the Cachuma Oak Tree Restoration Program (375 oak trees planted)
February 2010 - Conducted passage supplementation during two storms
April 2010 - Completion of the Surcharge Operations Protocol
July 2010 - Submittal of 2010 WR 89-18 Release Monitoring Plan (RPM 6, BiOp) to USBR and NMFS
May 2010 - Completion of the 1.5 cfs Target Flow Operations Guidelines at Alisal Bridge
June 2010 - Submitted to NMFS the 2010 Fish Passage Supplementation Report

WY2011 (October 2010 – September 2011)

Oct-Dec 2010 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2011 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2011 - Completion of Year 7 of the Cachuma Oak Tree Restoration Program (379 oak trees planted)
January 2011 - Submitted to NMFS the BiOp Compliance Binder
March 2011 - Winter 2011 LSYR Fish Management Plan Newsletter
March 2011 - Lake Cachuma Spilled
May 2011 - Submittal of the 2008 Annual Monitoring Report and Trend Analysis for 2005-2008
June 2011 - Completion of the Hilton Creek Channel Enhancement Study
June 2011 - Submitted Compliance Report on Target Flows at Hwy 154 Bridge
August 2011 - Summer 2011 LSYR Fish Management Plan Newsletter
August 2011 - Construction of a Fish Passage Project at Crossing 2 on Quiota Creek**

WY2012 (October 2011 – September 2012)

Oct-Dec 2011 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2012 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2012 - Completion of Year 8 of the Cachuma Oak Tree Restoration Program (377 oak trees planted)
November 2011 - Completion of a Fish Passage Project at Crossing 2 on Quiota Creek**
March 2012 - Submittal of the 2009 Annual Monitoring Report
March 2012 - Submittal of 2010 WR 89-18 Release Monitoring Report (RPM 6 - BiOp) to USBR and NMFS
May 2012 - Submitted Compliance Report on Target Flows at Hwy 154 Bridge
June 2012 - Submitted Guidance Document on Target Flows at Alisal Bridge
September 2012 - Construction of a Fish Passage Project at Crossing 7 on Quiota Creek**

WY2013 (October 2012 – September 2013)

Oct-Dec 2012 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2013 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2011 - Completion of Year 9 of the Cachuma Oak Tree Restoration Program
November 2012 - Completion of a Fish Passage Project at Crossing 7 on Quiota Creek**
March 2013 - Preliminary Design of Quiota Creek Crossing 0 Project
March 2013 - Preliminary Design of Quiota Creek Crossing 3 Project
June 2013 - Submittal of 2013 WR 89-18 Release Monitoring Plan (RPM 6, BiOp) to USBR and NMFS
Sept-Dec 2013- Construction of a Fish Passage Project at Crossing 1 on Quiota Creek**
June 2013 - Submittal of the 2011 Annual Monitoring Report (sent to NMFS 3/20/14)

WY2014 (October 2013 – September 2014)

Oct-Dec 2013 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2014 - Maintenance of the Cachuma Oak Tree Restoration Program
December 2013 - Completion of a Fish Passage Project at Crossing 1 on Quiota Creek**
January 2014 - Completion of Year 10 of the Cachuma Oak Tree Restoration Program
March 2014 - Submittal of CDFW/FRGP Grant for Quiota Creek Crossing 0 Project
March 2014 - Submittal of CDFW/FRGP Grant for Quiota Creek Crossing 3 Project
April 2014 – Completion of the 2013 Annual Report of the Cachuma Oak Tree Restoration Program
June 2014 - Submittal of 2014 WR 89-18 Release Monitoring Plan (RPM 6, BiOp) to USBR and NMFS
August 2014 - Submittal of 2013 WR 89-18 Release Monitoring Report (RPM 6, BiOp) to USBR and NMFS

WY2015 (October 2014 – September 2015)

Oct-Dec 2014 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2015 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2015 - Completion of Year 11 of the Cachuma Oak Tree Restoration Program (909 oak trees planted)
March 2015 - Submittal of CDFW/FRGP Grant for Quiota Creek Crossing 4 Project
April 2015 - Submittal of 2014 WR 89-18 Release Monitoring Report (RPM 6, BiOp) to USBR and NMFS
June 2015 - Submittal of the 2012 Annual Monitoring Report for review
June 2015 - Submittal of 2015 WR 89-18 Release Monitoring Plan (RPM 6, BiOp) to USBR and NMFS
September 2015 - Construction of a Fish Passage Project at Crossing 3 on Quiota Creek**

WY2016 (October 2015 – September 2016)

Oct-Dec 2015 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2016 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2016 - Completion of Year 12 of the Cachuma Oak Tree Restoration Program (824 oak trees planted)
January 2016 - Completion of a Fish Passage Project at Crossing 3 on Quiota Creek
January 2016 - Submittal of the WY2016 Migrant Trapping Plan to USBR and NMFS
February 2016 - Submittal of the 2012 Annual Monitoring Report to NMFS
March 2016 - Submittal of CDFW/FRGP Grant for Quiota Creek Crossing 5 Project
March 2016 - Submittal of 2015 WR 89-18 Release Monitoring Report (RPM 6, BiOp) to USBR and NMFS
March 2016 – Completion of the 2014 Annual Report of the Cachuma Oak Tree Restoration Program
April 2016 - Submittal of the 2013 Annual Monitoring Report for review
June 2016 - Submittal of CalTrans Grant for Quiota Creek Crossing 8 Project
June 2016 - Submittal of 2016 WR 89-18 Release Monitoring Plan (RPM 6, BiOp) to USBR and NMFS
September 2016 - Construction of a Fish Passage Project at Crossing 0A on Quiota Creek**
September 2016 - Construction of a Fish Passage Project at Crossing 4 on Quiota Creek**

WY2017 (October 2016 – September 2017)

Oct-Dec 2016 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2017 - Maintenance of the Cachuma Oak Tree Restoration Program
October 2016 - Submittal of 2016 WR 89-18 Release Monitoring Report (RPM 6, BiOp) to USBR and NMFS

December 2016 - Completion of a Fish Passage Project at Crossing 0A on Quiota Creek
December 2016 - Completion of a Fish Passage Project at Crossing 4 on Quiota Creek
January 2017 - Completion of Year 13 of the Cachuma Oak Tree Restoration Program (301 oak trees planted)
January 2017 – Completion of the 2015 Annual Report of the Cachuma Oak Tree Restoration Program
March 2017 – Submittal of the WY2017 Migrant Trapping Plan to USBR and NMFS
March 2017 - Submittal of CDFW/FRGP Grant for Quiota Creek Crossing 8 Project
May 2017 - Submittal of CDFW/FRGP Grant for Quiota Creek Crossing 9 Project
June 2017 - Submittal of 2017 WR 89-18 Release Monitoring Plan (RPM 6, BiOp) to USBR and NMFS
August 2017 – Completion of the 2016 Annual Report of the Cachuma Oak Tree Restoration Program
September 2017 - Submittal of the 2014 Annual Monitoring Report for review

WY2018 (October 2017 – September 2018)

Oct-Dec 2017 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2018 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2018 - Completion of Year 14 of the Cachuma Oak Tree Restoration Program
January 2018 – Submitted the WY2018 Migrant Trapping Plan to USBR and NMFS
February 2018 – Hilton Creek gravel augmentation, completion of first of two years
April 2018 - Submittal the WY2014 Annual Monitoring Summary and Report
May 2018 - Submittal of the WY2015 Annual Monitoring Summary and Report for review
June 2018 - Submittal of the WY2016 Annual Monitoring Summary and Report for review
July 2018 - Submittal of 2018 WR 89-18 Release Monitoring Plan (BiOp Term & Condition)
August 2018 – Submittal of 2017 WR 89-18 Release Monitoring Report (RPM 6) to USBR and NMFS
August 2018 - Construction of a Fish Passage Project at Crossing 5 on Quiota Creek**
August 2018 – Completion of the 2017 Annual Report of the Cachuma Oak Tree Restoration Program
September 2018 - Construction of a Fish Passage Project at Crossing 9 on Quiota Creek**

WY2019 (October 2018 – September 2019)

Oct-Dec 2018 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2019 - Maintenance of the Cachuma Oak Tree Restoration Program
October 2018 – Submittal the WY2018 Annual Monitoring Summary and Report to USBR and NMFS
November 2018 – Hilton Creek gravel augmentation, completion of the second of two years
December 2018 – Awarded a CDFW/FRGP Grant for the Quiota Creek Crossing 8 Project
December 2018 – Completion of the Fish Passage Project at Crossing 5 on Quiota Creek**
December 2018 – Completion of the Fish Passage Project at Crossing 9 on Quiota Creek**
January 2019 - Completion of Year 15 of the Cachuma Oak Tree Restoration Program (300 oak trees planted)
January 2019 - Submitted the WY2019 Migrant Trapping Plan to USBR and NMFS
January 2019 - Submittal of 2018 WR 89-18 Release Monitoring Report (RPM 6) to USBR and NMFS
February and March 2019 - Conducted passage supplementation during three storms
April 2019 - Submittal of the WY2016 Annual Monitoring Summary and Report to USBR and NMFS
May 2019 - Submittal of the WY2017 Annual Monitoring Summary and Report for review
June 2019 - Submittal of the WY2017 Annual Monitoring Summary and Report to USBR and NMFS
July 2019 – Completion of the 2018 Annual Report of the Cachuma Oak Tree Restoration Program
September 2019- Submittal of the WY2018 Annual Monitoring Summary and Report for review
September 2019- Submittal of the WY2018 Annual Monitoring Summary and Report to USBR and NMFS

WY2020 (October 2019 – September 2020)

Oct-Dec 2019 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2020 - Maintenance of the Cachuma Oak Tree Restoration Program
December 2019 - Submittal the WY2019 Annual Monitoring Summary and Report for review
December 2019 - Completion of the Fish Passage Project at Crossing 8 on Quiota Creek**
January 2020 - Completion of Year 16 of the Cachuma Oak Tree Restoration Program (311 oak trees planted)
January 2020 - Submittal of the WY2019 Annual Monitoring Summary and Report to USBR and NMFS

January 2020 – Submitted of the WY2020 Migrant Trapping Plan to USBR and NMFS
 January 2020 – Co-authored and published a paper in the California Fish and Wildlife Journal 106(1) entitled
 “Occurrences of Steelhead Trout (*Oncorhynchus mykiss*) in southern California, 1994-2018”.
 February 2020 - Submittal of NFWF Grant for the South Side Erosion Control Project at QC Crossing 8
 March 2020 - Award of NFWF Grant for the South Side Erosion Control Project at QC Crossing 8
 April 2020 - Conducted passage supplementation during one storm with a supplemental pulse flow release
 April 2020 - Submittal of the WY2019 Fish Passage Supplementation Report to USBR and NMFS
 June and July 2020 – Collaborated with CDFW to successfully conduct fish rescues in the Narrows and upper
 Refugio Reaches
 August 2020 - Submittal of 2020 WR 89-18 Release Monitoring Plan (RPM 6, BiOp) to USBR and NMFS
 September 2020 - Completion of the South Side Erosion Control Project at QC Crossing 8
 September 2020- Submittal of the WY2020 Fish Passage Supplementation Report to USBR and NMFS
 September 2020 – Completion of the 2019 Annual Report of the Cachuma Oak Tree Restoration Program

WY2021 (October 2020 – September 2021)

Dec 2020 – Completion of the 2018 Annual Report of the Cachuma Oak Tree Restoration Program
 Oct-Dec 2020 - Maintenance of the Cachuma Oak Tree Restoration Program
 Jan-Sept 2021 - Maintenance of the Cachuma Oak Tree Restoration Program
 December 2020 – Submitted of the WY2021 Migrant Trapping Plan to USBR and NMFS
 January 2021 - Completion of Year 17 of the Cachuma Oak Tree Restoration Program (325 oak trees planted)
 January 2021 - Submittal of the WY2020 Annual Monitoring Summary and Report for review
 February 2021 - Submittal of the WY2020 Annual Monitoring Summary and Report to USBR and NMFS
 February 2021 - Submitted of 2020 WR 89-18 Release Monitoring Report (RPM 6) to USBR and NMFS
 May 2021 – Collaborated with CDFW to successfully conduct fish rescues in the upper Refugio Reach
 July 2021 - Submittal of 2021 WR 89-18 Releases Monitoring Plan (BiOp, RPM 6) to USBR and NMFS
 September 2021 – Completion of the 2020 Annual Report of the Cachuma Oak Tree Restoration Program

WY2022 (October 2021 – September 2022)

Oct-Dec 2021 - Maintenance of the Cachuma Oak Tree Restoration Program
 Jan-Sept 2022 - Maintenance of the Cachuma Oak Tree Restoration Program
 December 2021 - Submittal of the 2021 WR 89-18 Release Monitoring Report (RPM 6) to USBR and NMFS
 December 2021 - Submittal of the WY2022 Migrant Trapping Plan to USBR and NMFS
 January 2022 - Submittal of the WY2021 Annual Monitoring Summary and Report for review
 February 2022 - Completion of Year 18 of the Cachuma Oak Tree Restoration Program (390 oak trees planted)
 February 2022 - Obtained equipment to conduct PIT tag monitoring in association with the migrant trapping
 effort at Hilton Creek
 March 2022 - Submittal of the WY2021 Annual Monitoring Summary and Report to USBR and NMFS
 June 2022 - Submittal of the 2022 WR 89-18 Release Monitoring Plan (RPM 6, BiOp) to USBR and NMFS
 September 2022 – Completion of the 2021 Annual Report of the Cachuma Oak Tree Restoration Program

WY2023 (October 2022 – September 2023)

Oct-Dec 2022 - Maintenance of the Cachuma Oak Tree Restoration Program
 Jan-Sept 2023 - Maintenance of the Cachuma Oak Tree Restoration Program
 January 2023 – Submittal of the 2022 WR 89-18 Release Monitoring Report (RPM 6) to USBR and NMFS
 February 2023 - Completion of Year 19 of the Cachuma Oak Tree Restoration Program
 April 2023 – Presented a poster on Sulfur and *O. mykiss* at the Salmonid Restoration Federation Conference
 May 2023 - Submittal of the WY2022 Annual Monitoring Summary and Report for review
 June 2023 - Completion of the WY2022 Annual Monitoring Summary
 June 2023 - Submittal of the WY2022 Annual Monitoring Report to USBR and NMFS
 September 2023 – Completion of the 2022 Annual Report of the Cachuma Oak Tree Restoration Program

* Funded from Federal Safety of Dams Program for Bradbury Dam Seismic Retrofit.

** Full or partial grants were/are in place for these projects.

WY2024 (October 2023 – September 2024) (dates after July are projected)

Oct-Dec 2023 - Maintenance of the Cachuma Oak Tree Restoration Program

Jan-Sept 2024 - Maintenance of the Cachuma Oak Tree Restoration Program

January 2024 - Submittal of the WY2024 Migrant Trapping Plan to USBR

February 2024 - Completion of Year 20 of the Cachuma Oak Tree Restoration Program

April 2024 - Oral presentation on WY2023 LSYR Fishery at the Salmonid Restoration Federation Conference

May 2024 - Submittal of the WY2023 Annual Monitoring Summary and Report for review

June 2024 - Submittal of the WY2023 Annual Monitoring Report (final) to USBR and NMFS

July 2024 - Completion of the WY2023 Annual Monitoring Summary

July 2024 - Completion of the 2022 Annual Report of the Cachuma Oak Tree Restoration Program

December 2024 - Submittal of the WY2024 Annual Monitoring Summary and Report for review

* Funded from Federal Safety of Dams Program for Bradbury Dam Seismic Retrofit.

** Full or partial grants were/are in place for these projects.

FIVE YEAR PLAN WY2025 TO WY2029

The Funds Committee, with suggestions from the Advisory Committee, develops a long-term or Five-Year Plan for use of the revenues from both the Trust Fund and Renewal Fund. The Five-Year Plan is a dynamic document that is updated annually to reflect revised projected work as projects and monitoring efforts are added that directly benefit the Cachuma Project, the LSYR Fisheries Program, and other obligations of the Cachuma Member Units on behalf of Reclamation. These projected activities are called for in the Cachuma Project Biological Opinion (BiOp) and further described in the LSYR Fish Management Plan (FMP). Projected annual revenues are calculated based on an inverse relationship between the two funds stemming from fees charged for State water deliveries into Lake Cachuma, and have historically ranged from a minimum of \$257,100 to a maximum of \$620,361. The Five-Year Plan is a long-term, forward thinking, planning tool which coordinates the use of Trust and Renewal fund revenues according to their intended uses as outlined in this plan.

Table 4 summarizes activities and expenditures based on actual revenues available for WY2025 and projected revenues and expenses for WY2026-29. Expenditures for environmental restoration efforts include implementation of the Oak Tree Restoration Program, restoration of riparian and other habitat of the Lower Santa Ynez River and its watershed, including (without limitation), restoration of rare, threatened or endangered species, fish habitat or populations, and plant and animal habitat.

Expenditures related to fulfill regulatory requirements as set forth in the Biological Opinion and SWRCB Orders include implementation of ongoing studies along the Santa Ynez River, monitoring and recording changing conditions, genetic analysis, long-term monitoring program, snorkel and redd surveys, trapping activities, and reporting compliance.

A large concern evolving from the recent wildfires in and around the lake is protection of the Cachuma Project watershed (erosion control and lake water quality and sedimentation) across the entire Santa Ynez River watershed which is of particular concern for the *O. mykiss* fishery below Lake Cachuma and water supply in general. These expenditures would be for Cachuma Project betterment.

Year 1 activities are developed in more detail in the WY2025 Annual Plan (Table 4) below because these expenditures are specifically included in the COMB budget for Fiscal Year 2024-25 (July 1, 2024, through June 30, 2025). In Years 1 and 2 (WY2025 and WY2026), the Oak Tree Restoration program will continue maintenance of the trees planted during the previous 19 years as the program phases out. The Biological Opinion and SWRCB Orders compliance activities will continue with the longstanding monitoring, analysis, reporting and outreach efforts. Cachuma Project betterment (watershed protection in the case of WY2019) across the Santa Ynez River basin will also be addressed. During the remaining years (WY2026-WY2029), a similar level of effort for the estimated use of the funds is outlined in the table.

Table 4: The Five-Year Plan (WY 2025-2029).

Year 1: WY2025 (October 2024 - September 2025)		
Funds Available (\$259,572 plus \$100,000 carryover from last year):		\$359,572
Expenditures:		
Environmental Restoration		\$318,000
Oak Tree Restoration Program	\$5,000	
Quiota and El Jaro Creek Restoration Projects *	\$298,000	
Hilton Creek Restoration Project (design)**	\$15,000	
Regulatory Requirements		\$16,572
Monitoring, Analyses and Reporting	\$1,572	
Genetic Analyses	\$15,000	
Cachuma Project Betterment		\$25,000
		\$359,572
Year 2: WY2026 (October 2025 - September 2026)		
Estimated Funds Available:		\$300,000
Possible Expenditures:		
Environmental Restoration		\$105,000
Oak Tree Restoration Program	\$5,000	
Hilton Creek Restoration Project (Phase 1)**	\$100,000	
Regulatory Requirements		\$145,000
Monitoring, Analyses and Reporting	\$130,000	
Genetic Analyses	\$15,000	
Cachuma Project Betterment		\$50,000
		\$300,000
Year 3: WY2027 (October 2026 - September 2027)		
Estimated Funds Available:		\$300,000
Possible Expenditures:		
Environmental Restoration		\$100,000
Habitat Restoration Project**	\$100,000	
Regulatory Requirements		\$150,000
Monitoring, Analyses and Reporting	\$135,000	
Genetic Analyses	\$15,000	
Cachuma Project Betterment		\$50,000
		\$300,000
Year 4: WY2028 (October 2027 - September 2028)		
Estimated Funds Available:		\$300,000
Possible Expenditures:		
Environmental Restoration		\$100,000
Habitat Restoration Project**	\$100,000	
Regulatory Requirements		\$150,000
Monitoring, Analyses and Reporting	\$135,000	
Genetic Analyses	\$15,000	
Cachuma Project Betterment		\$50,000
		\$300,000
Year 5: WY2029 (October 2028 - September 2029)		
Estimated Funds Available:		\$300,000
Possible Expenditures:		
Environmental Restoration		\$100,000
Habitat Restoration Project**	\$100,000	
Regulatory Requirements		\$150,000
Monitoring, Analyses and Reporting	\$135,000	
Genetic Analyses	\$15,000	
Cachuma Project Betterment		\$50,000
		\$300,000
* For project operating expenses, construction match, and design and technical support.		
** Potential match for grant funding pending approval by the COMB Board.		

**ANNUAL PLAN
WY2025**

Table 5 lists the activities in the WY2025 Annual Plan that will be funded through the Trust Fund and Renewal Fund revenues. The 2000 Cachuma Project Biological Opinion (BiOp) and associated LSYR Fish Management Plan (FMP) and the SWRCB Orders provide guidance on likely activities or projects for the use of the Trust Fund and Renewal Fund revenues. Even though some of the habitat restoration projects will be grant funded, the sum of these activities is still greater than the funding available from the Trust Fund and Renewal Fund. Tasks listed take into consideration restricted usage of the two Funds as stated in the Cachuma Project Warren Act Contract and Cachuma Project Renewal Master Contract, plus activities funded by the Santa Barbara County Water Agency Cachuma Betterment Fund. All Biological Opinion compliance work includes required monitoring, analyses and reporting.

Table 5: The Annual Plan for WY2025.

2025 Revenues:		
Trust Fund (CY2023)	\$17,286	
Renewal Fund (WY2025)	\$242,286	
Carryover from last year	\$100,000	
Total Funds Available:		\$359,572
2025 Expenditures:		
Environmental Restoration		\$318,000
Oak Tree Restoration Program	\$5,000	
Quiota and El Jaro Creek Restoration Projects *	\$298,000	
Hilton Creek Restoration Project (design)**	\$15,000	
Regulatory Requirements		\$16,572
Monitoring, Analyses and Reporting	\$1,572	
Genetic Analyses	\$15,000	
Cachuma Project Betterment		\$25,000
Total Expenditures:		\$359,572
* For project operating expenses, construction match, and design and technical support.		
** Potential match for grant funding pending approval by the COMB Board.		

The Biological Opinion and SWRCB Orders compliance implementation program of work encompasses a wide range of field and analytical activities to comply with the 15 Reasonable and Prudent Measures outlined in the 2000 Cachuma Project BiOp and the monitoring plan described in the 2000 Biological Assessment and FMP. These efforts include monitoring steelhead migration throughout the LSYR basin, dry-season snorkel surveys, redd surveys, habitat mapping, water quality monitoring, GIS database development, beaver dam monitoring, stream discharge measurements, integrated multivariate database development, report writing, and public outreach.

The Oak Tree Restoration Program is a multi-year planting and maintenance effort to replace oak tree losses around Cachuma Reservoir due to saturation and inundation of trees near the shore resulting from the fish conservation surcharge pool. The program will continue until the mitigation ratio of 2:1 (planted to lost) has been accomplished after 20 years at the end of 2025. From there on out, some general annual maintenance and deer cage removal will be needed.

Previously constructed Quiota Creek and El Jaro Creek restoration projects suffered various forms of damage from the sequence of high streamflow storm events in 2023 and 2024. The COMB Board approved funding for the second phase of project rehabilitation in an amount not-to-exceed \$298,000 that is tentatively scheduled for the fall of 2024. The next phase of stream habitat restoration will focus on Hilton Creek which experience significant scour from the high flow events in 2023 and 2024. Now fish passage through the middle of the watered section of the creek (Upper Release Point to the confluence with the LSJR) has become extremely difficult to navigate if not impossible. Modifications are needed to once again reestablish juvenile and adult fish passage throughout the creek on Reclamation property. Proposed improvements need to be designed so that funding can be obtained, and the project constructed as soon as possible to return the creek to full access and carrying capacity for *O. mykiss*. The identified funding amount is a placeholder for potential grant match if awarded and subsequently approved by the COMB Board. The restoration efforts may be phased depending on available funding and the magnitude of the proposed fixes.

Wildfires are a continuous concern throughout the Santa Ynez River watershed and along the South Coast. Funds for Cachuma Project Betterment (per Section 5e of the Warren Act MOU) have been dedicated to watershed protection activities (erosion control and Lake Cachuma water quality and sedimentation). Tasks include but are not limited to prevention of erosion, facility protection from stormflow debris, water quality monitoring, and measures for improvement of general lake water quality. This effort will be of benefit to the *O. mykiss* fishery within the management area as well as water supply.

BETTERMENT FUND

For reference only, the Santa Barbara Water Agency shall provide \$100,000 per year into the Cachuma Betterment Fund that must be used for Cachuma Project related activities as specified in the 1996 Cachuma Project Member Unit Contracts between the County of Santa Barbara Water Agency and the Cachuma Project Member Units. The Cachuma Project Member Units and the Water Agency must mutually agree on the use of these funds. Representatives of the Betterment Fund convene an annual meeting not in association with the Trust and Renewal Funds annual meeting. Usage of the Betterment Funds since WY2012 and proposed usage in WY2025 are presented in Table 6. COMB has an annual contract with the U. S. Geological Survey (USGS) to perform the required stream gauging and water quality monitoring.

Table 6: Betterment Fund usage since Santa Barbara County Fiscal Year (FY) 2012 (7/1/11-6/30/12) and proposed usage in FY 2025 (7/1/24-6/30/25).

FY2012 (July 2011 - June 2012)		
Carryover from WY2011:		\$0
COMB USGS Santa Ynez River Gauging Program		\$75,000
BiOp and FMP Implementation Activities		\$15,000
Santa Barbara County USGS Santa Ynez River Gauging Program		\$10,000
		\$100,000
FY2013 (July 2012 - June 2013)		
Carryover from WY2012:		\$0
COMB USGS Santa Ynez River Gauging Program		\$75,000
BiOp and FMP Implementation Activities		\$15,000
Santa Barbara County USGS Santa Ynez River Gauging Program		\$10,000
		\$100,000
FY2014 (July 2013 - June 2014)		
Carryover from WY2013:		\$0
COMB USGS Santa Ynez River Gauging Program		\$75,000
BiOp and FMP Implementation Activities		\$15,000
Santa Barbara County USGS Santa Ynez River Gauging Program		\$10,000
		\$100,000
FY2015 (July 2014 - June 2015)		
Carryover from WY2014:		\$0
Possible Expenditures:		
COMB USGS Santa Ynez River Gauging Program		\$75,000
BiOp and FMP Implementation Activities		\$15,000
Santa Barbara County USGS Santa Ynez River Gauging Program		\$10,000
		\$100,000
FY2016 (July 2015 - June 2016)		
Carryover from WY2015:		\$0
Possible Expenditures:		
COMB USGS Santa Ynez River Gauging Program		\$75,000
BiOp and FMP Implementation Activities		\$15,000
Santa Barbara County USGS Santa Ynez River Gauging Program		\$10,000
		\$100,000

FY2017 (July 2016 - June 2017)		
Carryover from WY2016:		\$0
Possible Expenditures:		
COMB USGS Santa Ynez River Gauging Program		\$75,000
BiOp and FMP Implementation Activities		\$15,000
Santa Barbara County USGS Santa Ynez River Gauging Program		\$10,000
		\$100,000
FY2018 (July 2017 - June 2018)		
Carryover from WY2017:		\$0
Possible Expenditures:		
COMB USGS Santa Ynez River Gauging Program		\$90,000
Santa Barbara County USGS Santa Ynez River Gauging Program		\$10,000
		\$100,000
FY2019 (July 2018 - June 2019)		
Carryover from WY2018:		\$0
Possible Expenditures:		
COMB USGS Santa Ynez River Gauging Program		\$90,000
Santa Barbara County USGS Santa Ynez River Gauging Program		\$10,000
		\$100,000
FY2020 (July 2019 - June 2020)		
Carryover from WY2019:		\$0
Possible Expenditures:		
COMB USGS Santa Ynez River Gauging Program		\$90,000
Santa Barbara County USGS Santa Ynez River Gauging Program		\$10,000
		\$100,000
FY2021 (July 2020 - June 2021)		
Carryover from WY2020:		\$0
Possible Expenditures:		
COMB USGS Santa Ynez River Gauging Program		\$90,000
Santa Barbara County USGS Santa Ynez River Gauging Program		\$10,000
		\$100,000
FY2022 (July 2021 - June 2022)		
Carryover from WY2021:		\$0
Possible Expenditures:		
COMB USGS Santa Ynez River Gauging Program		\$90,000
Santa Barbara County USGS Santa Ynez River Gauging Program		\$10,000
		\$100,000
FY2023 (July 2022 - June 2023)		
Carryover from WY2022:		\$0
Possible Expenditures:		
COMB USGS Santa Ynez River Gauging Program		\$100,000
Santa Barbara County USGS Santa Ynez River Gauging Program		\$0
		\$100,000

FY2024 (July 2023 - June 2024)		
Carryover from WY2023:		\$0
Possible Expenditures:		
COMB USGS Santa Ynez River Gauging Program		\$100,000
Santa Barbara County USGS Santa Ynez River Gauging Program		\$0
		<i>\$100,000</i>
FY2025 (July 2024 - June 2025)		
Carryover from WY2024:		\$0
Possible Expenditures:		
COMB USGS Santa Ynez River Gauging Program		\$100,000
Santa Barbara County USGS Santa Ynez River Gauging Program		\$0
		<i>\$100,000</i>

**County of Santa Barbara Public Works Department
Water Resources Division**

Santa Barbara County Water Agency - Project Clean Water
130 E. Victoria Street, Suite 200, Santa Barbara, CA 93101
(805) 568-3440
<https://www.countyofsb.org/189/Water-Resources>



Chris Sneddon
Director

Walter Rubalcava
Deputy Director

July 25, 2024

Janet Gingras, General Manager
Cachuma Operation and Maintenance Board
3301 Laurel Canyon Road
Santa Barbara, CA 93105

RE: Expenditure of County Water Agency's Cachuma Project Betterment Fund \$100,000 Annual Contribution for Fiscal Year 2024-2025

Dear Ms. Gingras,

At the public meeting held on July 25, 2024 regarding the County Water Agency's \$100,000 Cachuma Betterment Fund contribution, the Cachuma Operation and Maintenance Board (COMB), acting on behalf of the Cachuma Member Units, and the County Water Agency agreed that the funds should be allocated toward the following activities for Fiscal Year 2024-25:

COMB USGS Santa Ynez River Gauging Program \$100,000

COMB will recommend approval of the program expenditures at the Board of Directors meeting on August 26, 2024. The Water Agency's FY 2024-25 budget, adopted by the Board of Supervisors on June 13th, 2024, included the Betterment Funds.

Regards,

Matt Young
Water Agency Manager

cc: Edward Lyons, Cachuma Operation and Maintenance Board
Tim Robinson, Cachuma Operation and Maintenance Board

AA/EEO Employer

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CACHUMA OPERATION & MAINTENANCE BOARD

BORAD MEMORANDUM

Date:	August 26, 2024
Submitted by:	Joel Degner
Approved by:	Janet Gingras

SUBJECT: **COMB / Carpinteria Valley Water District (CVWD) Second Addendum to the Cooperative Agreement - Phase Three**

RECOMMENDATION:

The Board of Directors review information related to the proposed Second Addendum to the COMB/CVWD Cooperative Agreement and consider authorizing the Vice-President to execute the Second Addendum of the Cooperative Agreement with CVWD.

SUMMARY:

On November 10, 2021, COMB and CVWD entered into a Cooperative Agreement for collaboration on a Rehabilitation Project to improve the South Coast Conduit ("SCC") and certain appurtenances in the Carpinteria Reach. The Cooperative Agreement consisted of a collaborative alternative project to COMB's original version of the project, wherein certain structures within the Carpinteria Reach would be rehabilitated utilizing financial assistance from CVWD, with COMB providing additional SCC system improvements.

The Cooperative Agreement outlined the Alternative Project as an approach where each party would perform an expected equivalent amount of work expending approximately \$1.1 million each over two (2) fiscal years, resulting in a long-term benefit and operational flexibility for both COMB and CVWD.

Specifically, under this alternative plan, CVWD would proceed with the construction and fund the rehabilitation of certain laterals ("SCC Lateral Isolation Valve Replacement" or "LIVR Project"), with COMB installing two (2) new in-line isolation valves on the SCC within the Carpinteria Reach ("SCC In-Line Isolation Valve Project") (collectively, the "Alternative Project").

In the Carpinteria Service Area, the laterals are numbered "1 through 30," and are divided into six (6) separate isolation zones under the LIVR Project. The first phase of the project included CVWD's rehabilitation of laterals numbered 1 through 6, and laterals 17, & 19 with COMB installing the La Mirada In-Line Isolation Valve ("Phase One").

COMB completed the construction and installation of the Phase One La Mirada In-Line Isolation Valve during the 3rd Quarter of Fiscal Year 2021-22. The cost to complete this particular Phase One project totaled approximately \$550,000.00. During Fiscal Year 2022-23 CVWD successfully completed Phase One of the LIVR Project, which consisted of laterals 1 through 6 and laterals 17 and 19 thereby fulfilling its Phase One commitment at a cost of approximately \$850,000.00.

Section 4 of the Cooperative Agreement required a Review of Progress of Work between both parties prior to proceeding with Phase Two, to reconcile expenditures by each Party and to provide the scope of agreed upon work for Phase Two to each respective Board of Directors for consideration. Staff from both Parties conducted the Review of Progress of Work pursuant to Section 4 of the Agreement, meeting on April 26, 2023, wherein the proposed work consists of completing Phase Two of the LIVR Project, which includes

laterals numbered 7 through 16, and Lateral 28 referred to as “Zone 2” (or “Z2”), “Zone 3” (or “Z3”), Zone 6 (“Z6”) respectively (“Phase Two”). This Phase Two of the LIVR Project began in July 2024. Phase Two of the lateral project was delayed several months as Reclamation required additional cultural resources review, Caltrans required a permit reissue instead of an extension, and materials were delayed. As part of the Phase Two Addendum to the Cooperative Agreement, COMB will fund \$550,000 to complete the necessary work and Carpinteria will fund \$255,000. COMB has carried over funds from FY 2023-2024 to complete the Phase Two work. To date (8/21/24) four laterals of the 12 have been completed. Phase Two is likely to be completed near mid-October.

After Phase Two is completed, there will be four remaining laterals (Laterals 22R, 25L, 26L, and 27L) that contain the valves and meters installed in the 1950s by Reclamation (now nearly 75 years old). The valves in these structures are frozen open which would require potentially large sections of Carpinteria customers to be out of water for an extended period should there be a disruption in the South Coast Conduit. COMB is unable to close a Category 2 Recommendation from Reclamation from 2004 until these additional four laterals are completed. These structures are owned by Reclamation and are COMB’s responsibility to operate and maintain.

It would be most cost-effective and efficient to continue the rehabilitation of the four remaining 1950s laterals under the Caltrans and Reclamation permits with the same contractor (Tierra Contracting) while they are mobilized for Phase Two. CVWD, in collaboration with COMB, bid the rehabilitation for all of the laterals in 2021 and Tierra Contracting Inc. was the lowest responsive and responsible bidder. However, the construction has occurred in phases as funding was made available by COMB and CVWD. Tierra Contracting has successfully completed 11 laterals to date with 8 more remaining in Phase Two. Tierra Contracting Inc. currently has an experienced crew completing the lateral work. Tierra Contracting has provided a proposal with updated pricing to reflect inflationary costs of labor and materials since the 2021 bid for the four remaining 1950s laterals for \$256,284.00. COMB and CVWD engineering staff have reviewed this pricing and confirm that it is consistent with the previous 2021 adjusted for inflation.

For cost efficiency, insurance consistency, plans, specifications, submittals consistency COMB is requesting an amendment to the cooperative agreement to provide an additional \$256,284.00 for the four remaining 1950s lateral structures (Laterals 22, 25, 26, and 27). CVWD would provide a change order to their existing contract with Tierra for the additional work and CVWD would invoice COMB the Tierra Contracting construction costs.

While the lateral infrastructure being rehabilitated is owned by Reclamation and operated and maintained by COMB, CVWD receives a benefit with the rehabilitated structures which provide a port to bypass water to the laterals in the event the South Coast Conduit is shutdown. This functionality is currently not available in the existing 1950s infrastructure. To offset the additional benefit provided to CVWD, CVWD would continue to provide the valves, the contract management, construction management support, and shutdown coordination with its customers at no cost to COMB for the four remaining 1950s laterals. COMB would only reimburse CVWD for the construction costs incurred by the construction contractor for a total amount not to exceed \$256,284.00.

ENVIRONMENTAL COMPLIANCE:

Reclamation provided an environmental review with a Categorical Exclusion Checklist CEC-23-052 and performed consultation with the State Historic Preservation Office on the excavation work. COMB received a permit from Caltrans separate from its normal Annual Maintenance permit for its additional rehabilitation work.

FISCAL IMPACTS:

The Fiscal Year 2024-25 Operating Budget contains funding for the Phase Three Lateral Rehabilitation work.

COMMITTEE STATUS:

The Operations Committee reviewed information related to the proposed Second Addendum to the COMB/CVWD Cooperative Agreement and forwards it to the Board with a recommendation to consider authorizing the Vice-President to execute the Second Addendum of the Cooperative Agreement with CVWD.

LIST OF EXHIBITS:

1. Cooperative Agreement - Second Addendum

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**SECOND ADDENDUM TO
COOPERATIVE AGREEMENT**

Between

Cachuma Operation and Maintenance Board

and

Carpinteria Valley Water District

**(For Collaboration on Rehabilitation Projects Improving the South Coast Conduit
in the Carpinteria Reach)**

This second addendum to the Cooperative Agreement ("Second Addendum") is entered into this ___ Day of _____ 2024 by and between the Carpinteria Valley Water District ("CVWD") a California County Water District, and the Cachuma Operation and Maintenance Board ("COMB"), a Joint Powers Authority (individually, "Party," and collectively, "Parties").

RECITALS

WHEREAS, on November 10, 2021, COMB and CVWD entered into a Cooperative Agreement for collaboration on a Rehabilitation Project to improve the South Coast Conduit ("SCC") and certain appurtenances in the Carpinteria Reach ("Cooperative Agreement" or "Agreement"); and

WHEREAS, CVWD proposed a collaborative alternative project to the COMB Infrastructure Improvement Plan FY 2021-2025 ("IIP"), wherein certain structures within the Carpinteria Reach would be rehabilitated utilizing financial assistance from CVWD, with COMB providing additional SCC system improvements. Specifically, under this alternative plan, CVWD would proceed with the construction and fund the rehabilitation of certain laterals ("SCC Lateral Isolation Valve Replacement" or "LIVR Project"), with COMB installing two (2) new in-line isolation valves on the SCC within the Carpinteria Reach ("SCC In-Line Isolation Valve Project") (collectively, the "Alternative Project"); and

WHEREAS, the laterals are numbered "1 through 30," and are divided into six (6) separate isolation zones under the LIVR Project. The first phase of the project included CVWD's rehabilitation of laterals numbered 1 through 6, and lateral 17, with COMB installing the La Mirada In-Line Isolation Valve ("Phase One").

WHEREAS, the Cooperative Agreement outlined the Alternative Project as an approach where each party would perform an expected equivalent amount of work expending approximately \$1.1 million each over two (2) fiscal years, resulting in a long-term benefit and operational flexibility for both COMB and CVWD.

WHEREAS, COMB completed the construction and installation of the Phase One La Mirada In-Line Isolation Valve during the 3rd Quarter of Fiscal Year 2021-22. The cost to complete this particular Phase One project totaled approximately \$550,000.00; and

WHEREAS, CVWD successfully completed Phase One of the LIVR Project, which consisted of laterals 1 through 6 and laterals 17 and 19 during Fiscal Year 2022-23, thereby fulfilling its Phase One commitment at a cost of approximately \$850,000.00; and

WHEREAS, Section 4 of the Agreement required a Review of Progress of Work between both parties prior to proceeding with Phase Two, to reconcile expenditures by each Party and to provide the scope of agreed-upon work for Phase Two to each respective Board of Directors for consideration; and

WHEREAS, staff from both Parties conducted the Review of Progress of Work pursuant to Section 4 of the Agreement, meeting on April 26, 2023, wherein the proposed work consists of completing Phase Two of the LIVR Project, which will include laterals numbered 7 through 10, laterals numbered 12 through 16, and Lateral 28 referred to as “Zone 2” (or “Z2”), “Zone 3”(or “Z3”), Zone 6 (“Z6”) respectively ("Phase Two"). Phase Two of the LIVR Project began in May 2024 and is anticipated to be completed by mid-October 2024; as noted in the revised Schedule, Table 1, Attachment A; and

WHEREAS, since the reconciliation of expenditures was determined to be unequal during the Review of Progress of Work meeting pursuant to Section 4 of the Agreement, staff from both parties are proposing that COMB eliminate the installation of the Lillingston In-Line Isolation Valve as originally contemplated in Phase Two of the SCC In-Line Isolation Valve Project, but rather, fund up to \$550,000.00 to complete the necessary lateral work in the Carpinteria reach as part of Phase Two of the LIVR Project; and

WHEREAS, CVWD has contracted with Tierra Contracting Corp. (“Tierra Contracting”) for construction and Flowers and Associates for construction management in an amount not to exceed \$805,000.00 to complete the Phase Two lateral work of the LIVR Project, with CVWD expending the remainder of its funding in the amount of \$255,000.00 toward the completion of Phase Two of the LIVR Project. CVWD shall invoice COMB for the remainder of the costs necessary to complete Phase Two of the LIVR project, in an amount not to exceed \$550,000.00 (the "Revised Alternative Project"), which is expected to be completed by mid-October 2024; and.

WHEREAS, both the La Mirada In-Line Isolation Valve Project and Phase One of the LIVR Project have been completed. Once Phase Two of the LIVR Project is completed (expected in mid-October 2024), each Party shall have each paid approximately \$1.1 million toward the completion of said projects; and

WHEREAS, for both Parties, the benefit of the Revised Alternative Project will include the elimination of up to fifty (50) confined space structures and associated future structure maintenance, as well as providing more operational flexibility during SCC maintenance and shutdowns; and

WHEREAS, both COMB and CVWD want to continue the completion of the rehabilitation of the remaining lateral valves installed in the 1950s, specifically, lateral numbers 22R, 25L, 26L, and 27L (“Phase Three” of the “Second Revised Alternative Project”), which

would complete a 2004 Recommendation (2004-2-B) from Reclamation to repair the laterals in the Carpinteria area, utilizing the current contract between CVWD and Tierra Contracting; and

WHEREAS, although the lateral infrastructure being rehabilitated under this Agreement is owned by Reclamation and operated and maintained by COMB, CVWD will receive a benefit from the rehabilitation of the lateral valve structures in Phase Three in that such structures will provide a port through which water can be bypassed to the laterals in the event the SCC is shutdown; and

WHEREAS, to offset the additional benefit provided to CVWD under Phase Three, CVWD would continue to provide the lateral valves, the contract management, construction management support, and shutdown coordination with its customers at no cost to COMB for the four remaining 1950s laterals to be rehabilitated under Phase Three; and

WHEREAS, CVWD would execute a change order to its existing contract with Tierra Contracting in the amount of \$256,284.00 for completion of Phase Three of the Second Revised Alternative Project; and

WHEREAS, CVWD would invoice COMB for the construction portion of the rehabilitated laterals under Phase Three; and

WHEREAS, COMB will continue to coordinate and cooperate with CVWD on Phase Three; and

WHEREAS, COMB will pay CVWD invoices promptly for the construction portion of Phase Three in an amount not to exceed \$256,284.00; and

WHEREAS, COMB has obtained the required Caltrans Permits and the Reclamation Environmental Review for all Phases of the Alternative Project, including Phase Three.

NOW, THEREFORE, in consideration of the mutual and dependent covenant herein contained, it is hereby mutually agreed by the Parties hereto as follows:

SECOND ADDENDUM TO THE COOPERATIVE AGREEMENT

Except as specifically modified by this Second Addendum, all other provisions of the Cooperative Agreement remain with the same force and effect as if they were included in full text within this Second Addendum. Pursuant to Section 13 of the Cooperative Agreement, the Parties agree to modify the Cooperative Agreement through this Second Addendum, as follows:

1. Project Schedule. The Schedule for the Revised Alternative Project (Phase Two) and the Second Revised Alternative Project (Phase Three) is set forth in Table 1, Attachment A, to this Agreement and is incorporated herein by reference (“Schedule”).

1.1. As set forth in the Schedule, the Parties anticipate that both Phase Two and

Phase Three will be completed before December 2024.

1.2. The Parties shall work together to meet the timelines set forth in the Schedule. The Parties understand that the timelines in the Schedule are subject to change due to emergency conditions. In addition, in the event that any necessary changes are agreed-upon, the Schedule will be adjusted pursuant to negotiation and agreement between the Parties.

2. COMB Obligations and Duties. COMB agrees to:

2.1. Adopt this Second Addendum to the Cooperative Agreement regarding the Second Revised Alternative Project (Phase Three) under which the Parties shall continue to collaborate on rehabilitation projects improving the SCC in the Carpinteria Reach under the Agreement;

2.2. Continue to cooperate and coordinate with engineering consultants and CVWD staff when carrying out and implementing the Agreement, including under the Second Addendum regarding the Second Revised Alternative Project;

2.3. Continue to participate in meetings regarding the Agreement, including the Second Revised Alternative Project, when appropriate;

2.4. Continue to provide legal access to the SCC to CVWD and its contractors for the purpose of performing the work under the Agreement, including on the Second Revised Alternative Project under this Second Addendum; and

2.5. Provide timely payment to CVWD on work completed during installation of Phase Three up to \$256,284.00 pursuant to this Second Addendum.

3. CVWD Obligations and Duties. CVWD agrees to:

3.1. Enter into this Second Addendum to the Cooperative Agreement regarding the Second Revised Alternative Project (Phase Three) under which the Parties will continue to collaborate on rehabilitation projects improving the SCC in the Carpinteria Reach under the Agreement;

3.2. Perform Phase Three pursuant to the Schedule set forth in Table 1, Attachment A, in coordination with COMB;

3.3. Provide the necessary valves, contract management, construction management support and coordination with customers toward the completion of Phase Three;

3.4. Continue to cooperate and coordinate with COMB staff when carrying out and implementing this Agreement, including the Second Revised Alternative Project;

3.5. Continue to participate in meetings regarding the Agreement, including the

Second Revised Alternative Project, when appropriate;

3.6. Reasonably and timely notify COMB if assumptions regarding Phase Three change after work begins on Phase Three; and

3.7. Continue to provide legal access to the SCC’s Carpinteria Reach to COMB and its contractors for the purpose of performing the work on the Agreement, including on the Second Revised Alternative Project under this Second Addendum.

4. Performance. The Parties agree to perform, comply with and satisfy all of the terms and conditions of this Second Addendum, and those remaining in the Cooperative Agreement.

The individuals signing this Second Addendum to the Cooperative Agreement represent and warrant that they have the authority to enter into and sign this Second Addendum on behalf of the Party they represent, and that the consent, approval, or signature of or by any other person or third party is not required to legally bind their Party to the terms and conditions of this Addendum.

This Second Addendum shall be effective as of the date noted on page one (1) of this Second Addendum.

IN WITNESS WHEREOF, the undersigned executes this Second Addendum on behalf of the Parties.

Acknowledged and Agreed

Date: _____, 2024

ATTEST:

Mathew Roberts, Board President,
Carpinteria Valley Water District
APPROVED AS TO FORM:

Secretary

Cari Ann Potts, General Counsel

Acknowledged and Agreed

Date: _____, 2024

Kristen Sneddon, Vice-President
Cachuma Operation & Maintenance
Board

ATTEST:

APPROVED AS TO FORM:

Secretary

General Counsel

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	August 26, 2024
Submitted by:	Joel Degner
Approved by:	Janet Gingras

SUBJECT: Resolution No. 809 - 2024 Storm Damage - Lauro Debris Basin Debris Removal - Construction Contract

RECOMMENDATION:

The Board of Directors review the proposed construction costs for the Lauro Debris Basin Debris Removal Project related to the 2024 Severe Winter Storms and adopt Resolution No. 809 which will authorize the General Manager to execute a contract with Peter Lapidus Construction, Inc. in an amount not to exceed \$156,400 for the debris basin sediment removal.

SUMMARY:

The severe storm event in January and February 2024 (FEMA Event DR-4769) triggered debris flows in canyons and creeks of Santa Barbara County. The storm resulted in the Lauro Debris Basin filling to capacity with debris and mud. The Lauro Debris Basin debris removal project will remove the sediment and extra debris from the basin and restore the capacity of the original debris basin to design standards.

BACKGROUND:

Lauro Reservoir is a drinking water supply reservoir which serves over 120,000 people living along the south coast of Santa Barbara County, CA. Natural flows traveling within the watershed upstream of Lauro Reservoir are required by the Division of Drinking Water to be routed around the reservoir for public safety. The watershed flows are currently captured by Lauro Debris Basin and diverted around the reservoir through either the spillway overflow into a 24" HDPE storm drain, or onto the Lauro Reservoir Bypass Channel emergency overflow during more extreme storm events. The Lauro Reservoir Debris basin was inundated from the 2024 winter storm watershed flows. To bring the debris basin up to original operating conditions, sediment must be removed.

Flowers and Associates were hired to perform the design repair for the debris removal project and prepare the bid documents. Flowers and Associates previously performed the design of the improved debris basin in 2008 and also prepared the bid documents for the debris removal that occurred in 2023 after the 2023 Severe Winter Storms (FEMA Event DR-4683).

In July, staff solicited competitive bids from qualified contractors to provide construction services for the Lauro Debris basin sediment removal project. A mandatory pre-bid meeting was conducted on August 6th, 2024, with five contractors attending. Sealed bids were opened on August 13th, 2024, with one bid received. The lowest responsible, responsive bidder was Peter Lapidus Construction, Inc. with a bid proposal of \$156,400 for the sediment removal project. The removal, transport, and disposal cost was \$87/cubic yard for the estimated in place volume of 1,800 cubic yards. The expected engineer's estimate of cost per in place cubic yard was \$130/cubic yard. The bid was much less than the engineer's estimate for the project.

The work involves excavation, removal, transportation, and disposal of sediment at a permitted disposal facility. Construction work is planned to be conducted from September to October 2024 to restore the debris basin in advance of the upcoming winter storm seasons.

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

Table 1. Construction Costs for the Lauro Reservoir Debris Removal Project related to 2024 Winter Storms

Item No.	Description	Item Cost
1	Mobilization, Demobilization, Site Safety, Clean Up	\$ 30,000
2	Excavate, Remove, Transport and Dispose of Sediment	\$125,400
3	Remove Fallen Oak Tree at stump, chip branches to provide mulch and place trunks on slopes	\$ 1,000
Total Bid		\$156,400

The debris removal is needed prior to the upcoming winter storm season to create space for possible new debris loading.

ENVIRONMENTAL COMPLIANCE:

An emergency NOE (CEQA) was filed with the County of Santa Barbara on February 27, 2024 related to the damage caused by the January and February 2024 storms. Emergency repairs to publicly-owned service facilities necessary to maintain service essential to the public health, safety, or welfare; and, allowing for specific actions necessary to prevent or mitigate an emergency are allowed exemption under CEQA. In addition, the debris basin installation, operation, and maintenance are covered by the 2005 Environmental Assessment for Lauro Safety of Dams Improvements and by a 2008 Initial Study/Mitigated Negative Declaration.

FISCAL IMPACTS:

The Fiscal Year 2024-25 Operating Budget includes funding for the 2024 Winter Storm Repairs, with a portion of the costs being offset through FEMA and CalOES funding.

COMMITTEE STATUS:

The Operations Committee reviewed the proposed construction costs for the Lauro Debris Basin Debris Removal Project related to the 2024 Severe Winter Storms and forwards to the Board with a recommendation to adopt Resolution No. 809 which will authorize the General Manager to execute a contract with Peter Lapidus Construction, Inc. in an amount not to exceed \$156,400 for debris basin sediment removal.

LIST OF EXHIBITS:

1. Resolution No. 809

Figure 1. Lauro Debris Basin filled with stormwater and sediment following the January and February 2024 storm events



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RESOLUTION NO. 809

**A RESOLUTION OF THE GOVERNING BOARD OF
THE CACHUMA OPERATION AND MAINTENANCE BOARD
AUTHORIZING THE GENERAL MANAGER TO
EXECUTE A CONSTRUCTION CONTRACT FOR THE LAURO DEBRIS BASIN
DEBRIS REMOVAL PROJECT RELATED TO THE JANUARY – FEBRUARY
2024 SEVERE WINTER STORMS**

RECITALS

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

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

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

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

WHEREAS, several fires have occurred recently in Santa Barbara County (“County”) resulting in burn scar areas that are susceptible to potential debris flows and severe flooding due to storms or soil saturation, including the Thomas, Alisal, Cave and Whittier Fire burn scar areas, which are within the watershed of the Cachuma Project; and

WHEREAS, on January 31, 2024, the National Weather Service issued severe rain and coastal flood advisories, in addition to high wind warnings advising of the potential for damaging winds that could potentially impact trees, power lines and other large objects; and

WHEREAS, on February 3, 2024, an evacuation order was issued by the County for vulnerable sections of the Thomas, Alisal and Cave Fire burn scar areas and properties located near certain creeks along the South Coast of the County; and

WHEREAS, on February 4, 2024, the Governor of the State of California proclaimed a State of Emergency to exist in eight counties of California, including Santa Barbara County, resulting from the early February 2024 winter storms; and

WHEREAS, on February 4, 2024, the County's Director of Emergency Services issued a Proclamation of a Local Emergency relating to the February 2024 winter storms; and

WHEREAS, the National Weather Service issued a Flood Watch due to heavy rainstorms expected throughout the County for the period February 4, 5, and 6, 2024, with the heaviest rainfall expected on the South Coast of the County; and

WHEREAS, heavy rainstorms fell on February 1 and 2, 2024, and resumed again countywide on February 4, 5 and 6, 2024, which produced mud and debris flows resulting in damage to Cachuma Project facilities; and

WHEREAS, on February 6, 2024, the County Board of Supervisors ratified a proclamation of the existence of an emergency, as proclaimed by the County Director of Emergency Services; and

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

WHEREAS, the Lauro Debris basin suffered severe damage, with heavy debris deposited into the debris basin causing it to become non-functional as originally designed; and

WHEREAS, COMB staff submitted a Request for Public Assistance ("RPA") through the Federal Emergency Management Agency ("FEMA") process for damages suffered from the 2024 storm events. The RPA was approved, and site inspections have been conducted on the Lauro debris-laden basin; and

WHEREAS, the debris removal project ("Project") will remove sediment deposited into the Lauro Debris Basin, which will restore its functionality; and

WHEREAS, COMB solicited competitive bids through a public bid room for construction of the Project, with bids due on August 13, 2024; and

WHEREAS, a mandatory pre-bid conference was conducted on August 6, 2024, with five (5) contractors attending; and

WHEREAS, sealed bids were opened on August 13, 2024, with one (1) construction bid received; and

WHEREAS, the proposal received from Peter Lapidus, Inc. has been reviewed by COMB's Operations Committee on August 21, 2024, and is forwarded to the COMB Governing Board with a recommendation to approve and authorize the General Manager to execute a construction contract with said contractor in an amount not-to-exceed \$156,400 for the above-described Project.

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

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

2. The Governing Board authorizes the General Manager to execute a Construction Contract with Peter Lapidus Construction, Inc. for the above-described Project in an amount not to exceed \$156,400.

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

4. This resolution shall take effect immediately.

PASSED, APPROVED AND ADOPTED by the Governing Board of the Cachuma Operation and Maintenance Board, this 26th day of August 2024, by the following roll call vote:

AYES:

NAYES:

ABSENT/ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	August 26, 2024
Submitted by:	Shane King, Joel Degner
Approved by:	Janet Gingras

SUBJECT: Purchase of Medium-Duty Crane Truck – Fleet Vehicle

RECOMMENDATION:

The Board of Directors receive information on the purchase of a replacement fleet vehicle, specifically one Ford F550 medium-duty crane truck in an amount not-to-exceed \$150,000 and authorize the General Manager to execute a purchase order(s) for purchase of the replacement fleet vehicle.

SUMMARY

COMB performed its annual vehicle condition assessment of work trucks. One of the most critical vehicles in COMB's fleet is a dually wheeled, 4WD medium-duty truck with a 5,000 lb. work crane (Ford F550). The current vehicle was purchased in 2005 and needs major repairs.

The F550 crane truck allows access to structures on hilly terrain, has sufficient lifting capacity to lift structure lids, and can tow critical equipment to work sites on roads where 4WD is needed. It is used extensively for structure maintenance. COMB plans to replace the 2005 F550 with the proposed new F550 crane truck. The 2005 F550 will be sold at auction.

COMB's current crane truck has a contractor bed with removable side gates that allows for the transport of larger equipment like trash pumps and structure lids which are 6-feet in diameter. Each blowoff or air vent structure has a concrete 6 ft diameter lid which can be removed easily with a crane and a lifting bridle. When valves, manhole blind flanges, or piping needs to be replaced, it is much easier to remove the lid and replace it, utilizing the crane truck and its open surface bed.

COMB plans to purchase a Ford F550 4WD chassis which is similar to the current set-up. Staff reached out to several vendors and the lowest quote received for a 2024 ordered vehicle was \$70,010. If staff can find a new chassis truck in stock (in California) which meets the specifications needed and the price is less than the quoted price to order, staff intends on purchasing the truck chassis in stock.

COMB also received a quote for the custom contractor bed with a 5,000 lb. crane for \$65,000 from Industrial Truck Bodies in Santa Maria. The overall cost for the chassis purchase and the custom bed with a crane installed is expected to be approximately \$150,000, which includes taxes, license and doc fees. By purchasing the chassis, bed and crane separately, it will be better adapted for COMB's use and less expensive than a prefabricated crane truck.

FISCAL IMPACTS:

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

ENVIRONMENTAL COMPLIANCE:

As a local agency in the state of California, COMB is required to comply with Advanced Clean Fleet regulations which came into effect on January 1, 2024. This requires that 50 percent of the medium-duty and heavy-duty trucks purchased between 2024 and 2027 are zero emissions vehicles. COMB purchased an electric, zero emissions F150 Lightning in June 2024 to allow the purchase of the F550 chassis under the new regulations. There is currently not an equivalent electric vehicle available to replace the F550. In addition, this vehicle is critical to COMB staff in responding to emergency issues and the reliability of the F550 has been proven over the 20 years the existing truck has been in COMB service.

COMMITTEE STATUS:

The Operations Committee received information on the purchase of the replacement fleet vehicle, specifically one Ford F550 medium-duty crane truck in an amount not-to-exceed \$150,000 and forwards to the Board with a recommendation to authorize the General Manager to execute a purchase order(s) for purchase of the replacement fleet vehicle.

LIST OF EXIBITS:

N/A

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	August 26, 2024
Submitted by:	Shane King, Joel Degner
Approved by:	Janet Gingras

SUBJECT: North Portal Log Boom Replacement Purchase

RECOMMENDATION:

The Board of Directors review the costs for the purchase of shackleless polymer booms and replacement shackles for the North Portal Intake Tower in the amount of \$98,000 and authorize the General Manager to execute a purchase order to purchase the log booms and replacement shackles.

SUMMARY

According to the second amended contract for the transfer of the operation and maintenance of the Cachuma Transferred Project Works (No. 14-06-200-5222RB) between Reclamation and COMB, COMB is transferred the operation and maintenance of the Tecolote Tunnel including all water situated within a 1,500-foot radius of the intake of the Tecolote Tunnel. Following the Whittier Fire and Thomas Fire in 2017, COMB has maintained floating polymer booms encircling the Tecolote Tunnel Intake Tower to exclude boaters from accessing Reclamation facilities and to minimize floating debris gaining proximity to drafting gates and infrastructure (see example in Figure 1).

The boom that was utilized for the Intake Tower was re-purposed from a boom that was installed across Santa Cruz Creek in 2007 following the Zaca fire. The boom is nearly 20 years old, and corrosion of the shackles has resulted in the connection hardware failing frequently especially during strong wind and rain events. The Operations Division staff responded approximately ten times during this past year requiring mobilization to Lake Cachuma, utilizing a boat from the marina, and all of COMB's staff to maneuver booms back into place and reinstall connection hardware, effectively losing two weeks of full staff time a year to maintain the boom around the tower (~\$20,000 per year). During boom failure, the exclusion zone is open to boaters and floating debris can wash towards the Intake Tower causing damage and clogging.

The new boom features shackle-free connections and high load bearing internal steel to resist horizontal and vertical loads. The new designs are much more resistant to shackle failures and are expected to withstand the types of varied weather conditions observed at Lake Cachuma.

It is recommended that new booms be purchased to replace the existing booms at the Intake Tower with the same location and anchor points. The existing booms would be removed and stored for possible use in other parts of the system with less wind and wave potential. Alternate uses of the 2007 booms include temporary installation at creek inlets post-wildfire to prevent burned material from entering and decaying in the lake, thereby protecting water quality. Additional alternate uses would be protection of the Emergency Pumping Facility secured pipeline and Intake component when necessary.

COMB solicited quotes from Worthington Waterway Barriers for TUFFBOOM waterway barriers, shackle-free interconnection hardware, mooring buoy anchoring hardware, and shoreline anchoring hardware. Worthington Waterway Barriers provided the quote for the boom according to the federal government competitively bid supply schedule. The new booms will have a design life of 15-20 years, including unsinkable solid internal core and ultraviolet light resistance. Comparative tests of the shackle-free connections versus the older shackle-link-shackle connection shows a tripled increase in overall breaking

strength. The total cost of 80 sections of the TUFFBOOM waterway barriers is ~\$85,000. COMB also plans to purchase new shackles and links for the old TUFFBOOM so it can be refurbished and utilized on the tributary inlets to collect debris following fires (for example – the Lake Fire and Cachuma Creek). The total cost of replacement shackles is ~\$13,000.

FISCAL IMPACTS:

COMB's 2024-25 Operating Budget contains funding to make the capital purchase for the log booms and hardware. COMB is purchasing the boom to meet Buy America Build America requirements, and it could potential be offset by grant funding. COMB plans to potentially hire a contractor to assist with the installation of the boom which will likely utilize the remaining budget.

ENVIRONMENTAL COMPLIANCE:

There are no environmental compliance challenges as the new log booms will replace the existing log booms and utilize the same anchoring points and layout.

COMMITTEE STATUS:

The Operations Committee reviewed the costs for the purchase of shackleless polymer booms and replacement shackles for the North Portal Intake Tower in the amount of \$98,000 and forwards to the Board with a recommendation to approve and authorize the General Manager to execute a purchase order to purchase the log booms and replacement shackles.

LIST OF EXHIBITS:



Figure 1. North Portal Log Boom keeping floating debris from reaching the Intake Tower following 2023 storms (left); Log boom limiting recreational boat access near the tower in June 2024 (right).



Figure 2. Log booms surrounding Emergency Pumping Facility

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	August 26, 2024
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

SUBJECT: Lake Cachuma Oak Tree Restoration Program Annual Report

RECOMMENDATION:

The Board of Directors receive and file the 2023 Lake Cachuma Oak Tree Restoration Program Annual Report with Fiscal Year 2023-24 financials and water use information and provide direction to staff including implementing the recommendations as stated in the executive summary of the report.

SUMMARY:

Staff will provide an overview of the status of the Lake Cachuma Oak Tree Restoration Program (Program) and will review the 2023 Annual Report with Fiscal Year 2023-24 financials and water usage. The Annual Report provides suggestions for future work. The Lake Cachuma Oak Tree Committee reviewed the report on 7/25/24 and agrees with staff recommendations for future work as provided in the report.

FISCAL IMPACTS:

The current Fiscal Year 2024-25 COMB Operating Budget includes \$10,000 for the Oak Tree Restoration Program which provides funding for consultant work and materials and supplies. In addition, program expenditures in Fiscal Year 2023-2024 included staff and consultant time in the amount of \$67,791.

COMMITTEE STATUS:

The Lake Cachuma Oak Tree Committee reviewed on 7/25/24 the 2023 Annual Oak Tree Report with Fiscal Year 2023-24 financials and water use information and forwards the Annual Report to the Board with the recommendations as cited in the executive summary.

LIST OF EXHIBITS:

1. 2023 Lake Cachuma Oak Tree Restoration Program Annual Report.

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LAKE CACHUMA OAK TREE RESTORATION PROGRAM

2023 ANNUAL REPORT

with

Fiscal Year 2023/2024 Financials and Water Usage



Year 9 Trees (2017) near the Lake Cachuma Park entrance

Prepared for: Cachuma Operation and Maintenance Board

Prepared by: Timothy H. Robinson (COMB), Scott J. Volan (COMB), Daniel Razo (COMB), and Kenneth A. Knight (Kenneth A. Knight, Consulting)

July 25, 2024

Executive Summary

The following is the annual report for the Lake Cachuma Oak Tree Restoration Program that contains the results of the 2023 annual inventory of all planted mitigation oak trees and the Fiscal Year 2023-2024 financial and water usage details. The results of the 2015 Lakeshore Survey set the mitigation number for the Lake Cachuma Oak Tree Restoration Program at 4,722 by 2025 (COMB, 2016). This number included the established mitigation ratio of two to one (2:1) (4,002) and an 82% survival rate (or 18% mortality rate, 720 trees) that was determined from the 2015 and 2016 annual survey reports (COMB, 2017a; COMB, 2017b). The determined mortality rate provides the margin needed to reach the specific mitigation target number of 4,002 alive and self-sustaining oak trees at the end of 2025. As of the end of this year's inventory, 5,740 oak trees have been planted (and 63 adopted trees for a total of 5,803 trees) and 4,558 are alive which is a survival rate of 78.55% (Figures 1, 2 and 3). No new mitigation trees were planted this year since it takes approximately 3 years for an oak tree to become self-sustaining. From now until the end of 2025, a slow decline in the number of alive trees is expected heading to the end of 2025. The current margin (alive minus target) is 556 trees above the target number of 4,002 trees. The cost of the program during Fiscal Year 2023/2024 was \$72,945 with a total cost of the program since it started in 2005 of \$2,184,397. Water usage for irrigation over the year was 0.77 acre-feet.

Recommendations for next year to meet the program mitigation objective in 2025 would be to continue to provide routine irrigation support as needed to the newer trees (Year 12, and 13), mulch as many trees as possible, weed as many trees as possible at the end of the wet season, remove deer cages when trees are taller than 6 feet, expand the deer cage when the tree has grown well beyond the diameter of the original cage, and perform structural pruning as needed of selected trees in the winter.

Introduction/Background

This Annual Report presents the results of the 2023 oak tree inventory and Fiscal Year 2023/2024 (FY23/24) maintenance with water use and financials for the Lake Cachuma Oak Tree Restoration Program (Program). For Program details and objectives, see the 2-Year Plan for Fiscal Years 2013/14 and 2014/15 (COMB, 2014). This annual report contains oak tree survival rates, maintenance with water usage, financials, and suggested program improvements. Annual Reports have been written for each year of the Program. References for the recent reports are as follows: 2015 (COMB, 2017a), 2016 (COMB, 2017b), 2017 (COMB, 2018), 2018 (COMB, 2019), 2019 (COMB, 2020), 2020 (COMB, 2021), 2021 (COMB, 2022), and 2022 (COMB, 2023). The survey results for this reporting period are presented by the year of the program that they were planted that includes the financials and maintenance effort.

Results

The 2023 inventory (or survey) of the oak trees planted through the Lake Cachuma Oak Tree Restoration Program was completed on 5/31/24 with the data entry and quality-assurance/quality-control occurring during the following weeks. The objective of the annual survey is to determine the status and success rate of the trees planted since the beginning of the program with thirteen years of plantings; Year 1 (2005-2006), Year 2 (2006-2007), Year 3 (2007-2008), Year 4 (2008-2009), Year 5 (2009-2010), Year 6 (2010-2011), Year 7 (2014-2015), Year 8 (2015-2016), Year 9 (2016-2017), Year 10 (2018-2019), Year 11 (2019-2020), Year 12 (2020-2021), Year 13 (2021-2022), and the Dam Tender (DT) trees (approximately 2005 through 2018). Annual surveys traditionally are conducted in the late fall and early winter to best document the survival after the dry season and growth since the last survey. With the increased number of planted trees in recent years (and the wet year conditions),

the annual inventory takes longer with the objective now of completion by late spring of the following year. Methods for reducing the survey time continue to be investigated and implemented.

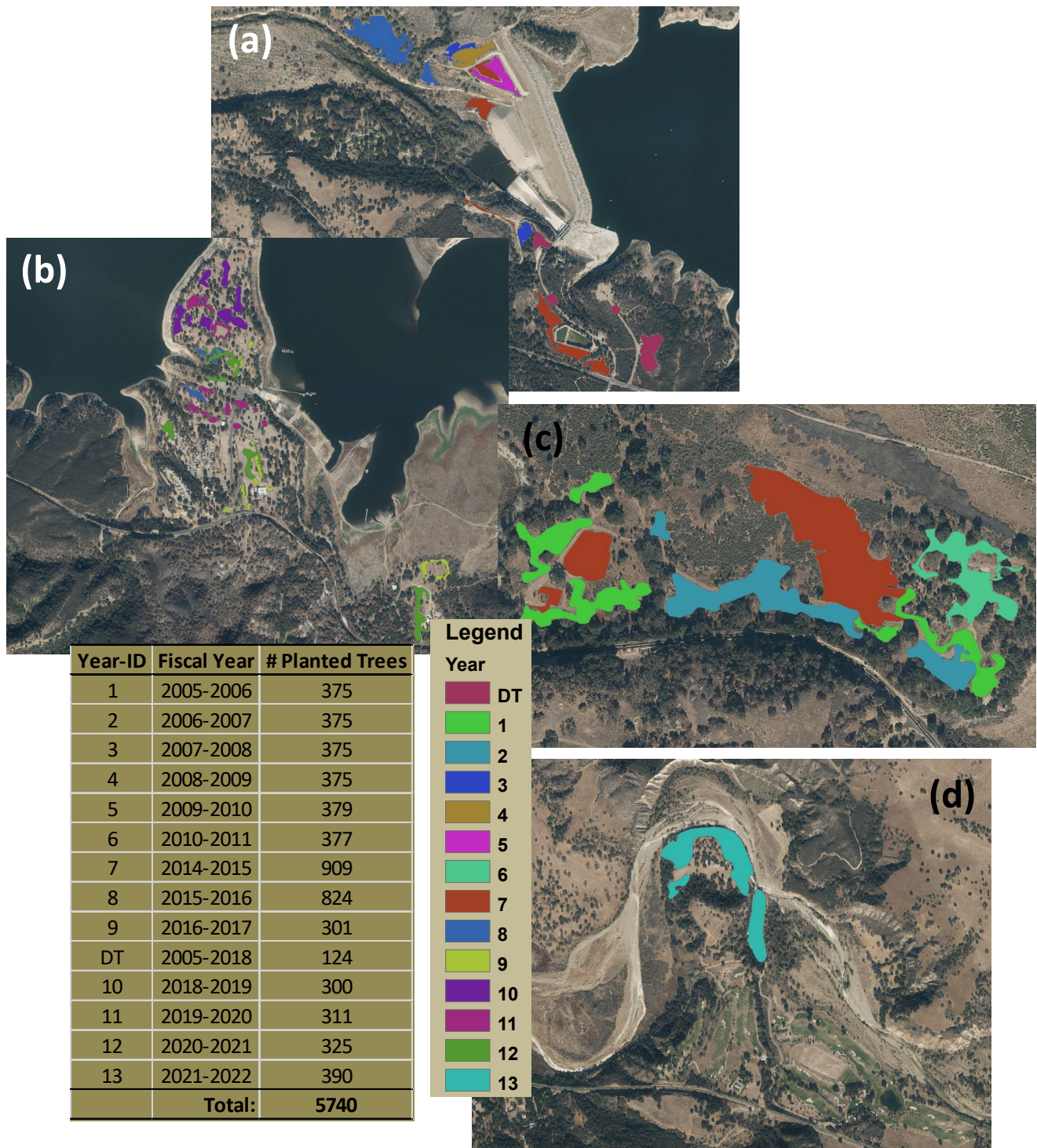


Figure 1: Oak tree planting locations by year planted (Year-ID) at; (a) Bradbury Dam area, (b) Cachuma Lake Recreation Area (County Park), (c) Storke Flats, and (d) Live Oak Camp.

The following figures and tables are the results of the survey in 2023 with 2022 results included for comparison; overall success rates in 2022 and 2023 (Figures 2 and 3) and success by planting year in 2022 and 2023 (Figures 4-17). The overall success rate went from 79.99% in 2022 to 78.55% in 2023. The low success rate for Year 1 through Year 6 trees is most likely due to sub-standard planting methods (auger dug holes, trees planted low, use of non-professional gopher cages, etc.) that were not followed in subsequent years.

Prior to WY2017, six consecutive years of below average rainfall were observed that made it difficult for planted trees to survive particularly in the Year 1 through Year 6 trees that were thought to be self-sustaining by now at a minimum of ten years since planted. The number of required mitigated trees from the Lake Cachuma Surcharge Project was set in 2015 and reported in the 2015 Lakeshore Survey Report (COMB, 2016). The required mitigation ratio is two to one (2:1) survival rate (self-sustaining) in 2025. The results of the 2015 Lakeshore Survey found there were 879 dead and 1,122 at-risk oak trees. With a 2:1 mitigation ratio and an estimated 82% survival rate, it was estimated that 4,722 trees would need to be planted to meet our mitigation requirement of 4,002 alive oak trees in 2025. To date, there are 4,558 planted alive trees suggesting a 556-tree margin to reach the mitigation target number of 4,002.

The large storms of WY2023 and WY2024 resulted in significant inflow to the reservoir as it filled and spilled two years in a row. Reservoir operators maintained the lake elevation higher than the established and long-term maximum lake elevation of 753 ft. This caused unexpected flooding in some oak tree planting areas and some tree death specifically in the Mohawk and lower Storke Flats areas that account for most of the mortality difference from 2022 to 2023 (Figures 18 - 21).

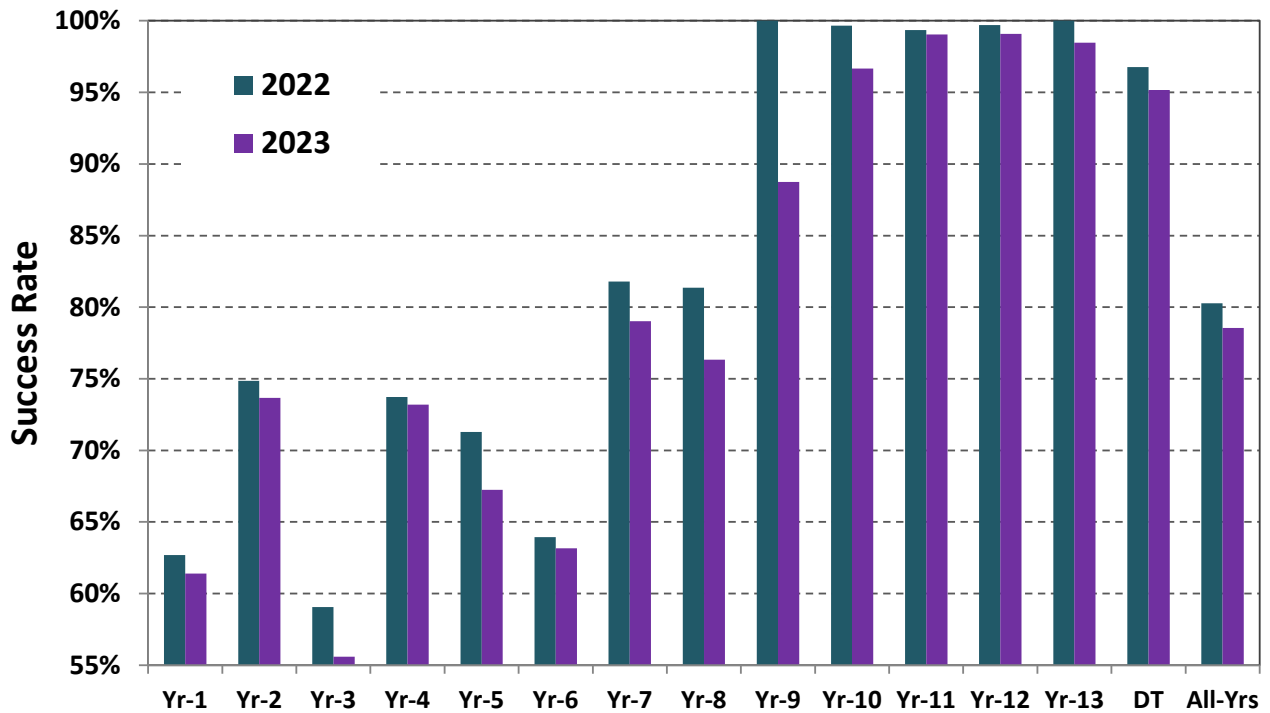
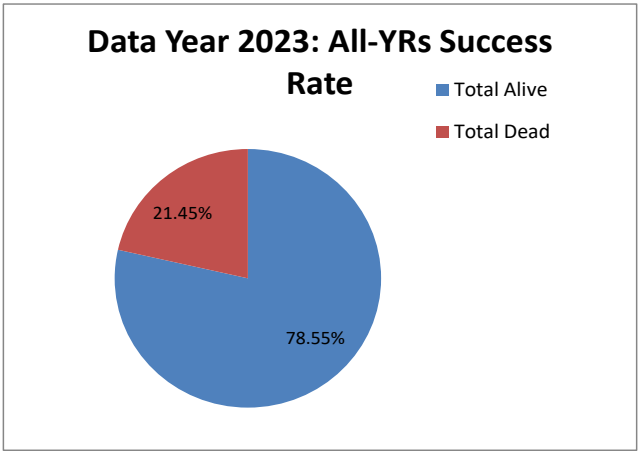
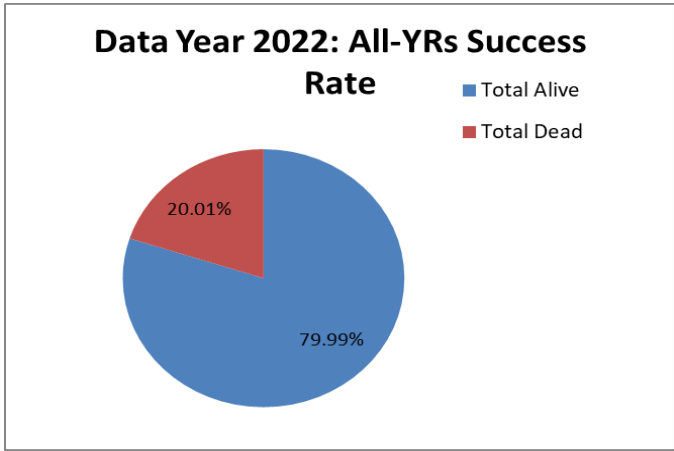


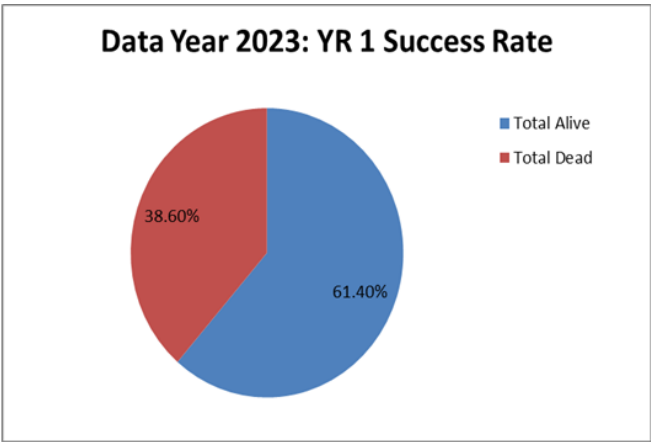
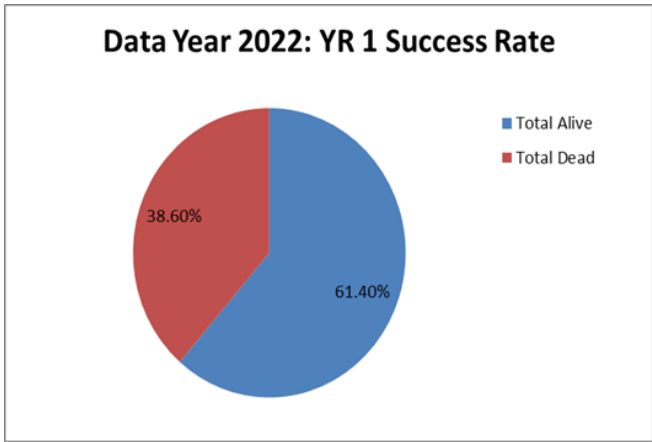
Figure 2: Success rate comparison from 2022 to 2023 for each and all tree years (Yr).



All Years - Total Observed in 2022		Percent of Total	
Total Coast Live Oak (alive)	4216	Total Alive	4637 79.99%
Total Valley Oak (alive)	421	Total Dead	1160 20.01%
Ratio Coast/Valley	10.0	Total	5797 100.00%

All Years - Total Observed in 2023		Percent of Total	
Total Coast Live Oak (alive)	4135	Total Alive	4558 78.55%
Total Valley Oak (alive)	423	Total Dead	1245 21.45%
Ratio Coast/Valley	9.8	Total	5803 100.00%

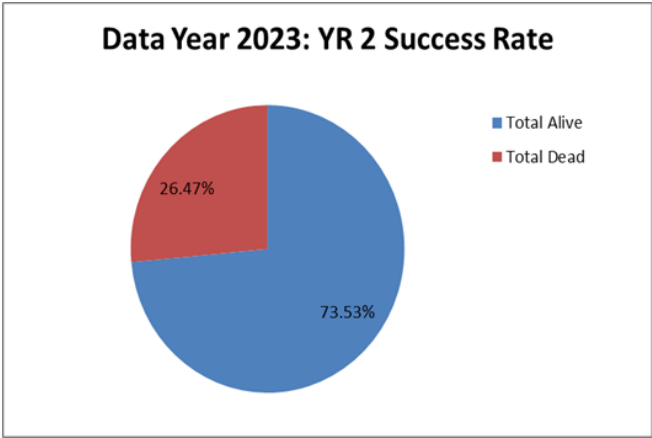
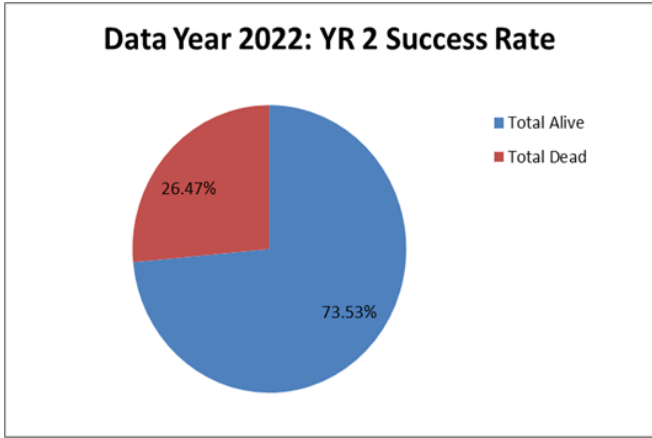
Figure 3: 2022 and 2023 status of oak trees from all years (Years 1 through 13) planted; including Dam Tender (DT) trees.



Year 1 - Total Observed in 2021		Percent of Total	
Total Coast Live Oak (alive)	224	Total Alive	237 61.40%
Total Valley Oak (alive)	13	Total Dead	149 38.60%
Ratio Coast/Valley	17.2	Total	386 100.00%

Year 1 - Total Observed in 2023		Percent of Total	
Total Coast Live Oak (alive)	223	Total Alive	237 61.40%
Total Valley Oak (alive)	14	Total Dead	149 38.60%
Ratio Coast/Valley	15.9	Total	386 100.00%

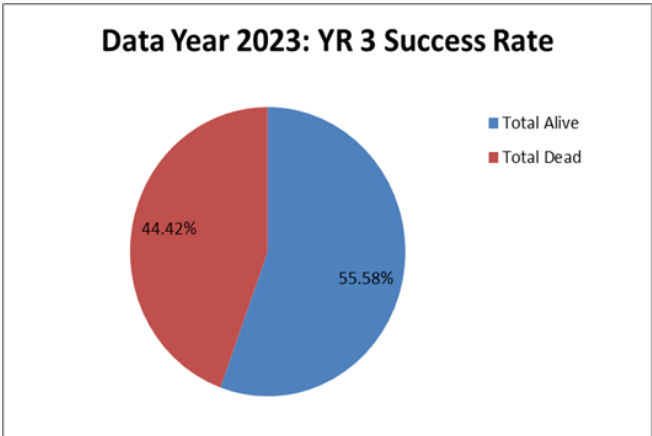
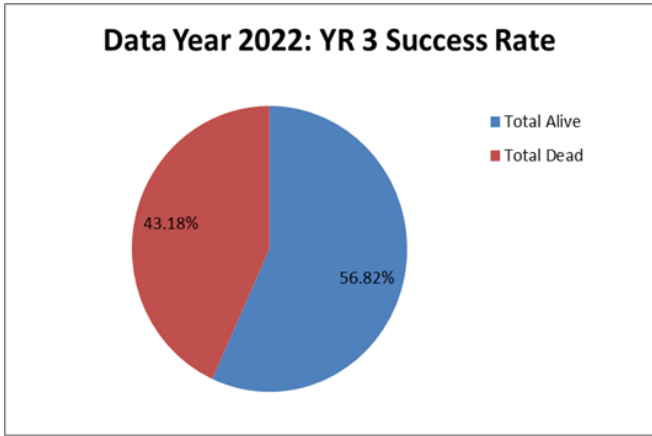
Figure 4: Status comparison of Year 1 trees from 2022 to 2023.



Year 2 - Total Observed in 2022		Percent of Total	
Total Coast Live Oak (alive)	255	Total Alive	275 73.53%
Total Valley Oak (alive)	20	Total Dead	99 26.47%
Ratio Coast/Valley	12.8	Total	374 100.00%

Year 2 - Total Observed in 2023		Percent of Total	
Total Coast Live Oak (alive)	253	Total Alive	275 73.53%
Total Valley Oak (alive)	22	Total Dead	99 26.47%
Ratio Coast/Valley	11.5	Total	374 100.00%

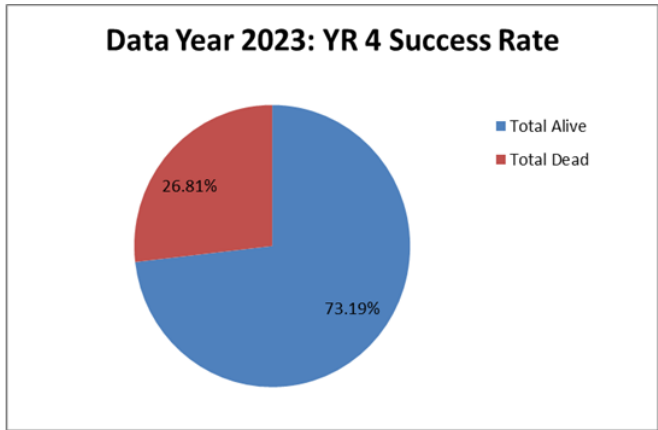
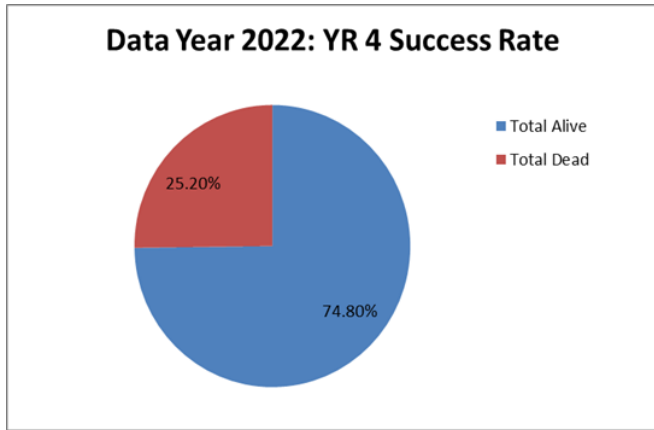
Figure 5: Status comparison of Year 2 trees from 2022 to 2023.



Year 3 - Total Observed in 2022		Percent of Total	
Total Coast Live Oak (alive)	209	Total Alive	229 56.82%
Total Valley Oak (alive)	20	Total Dead	174 43.18%
Ratio Coast/Valley	10.5	Total	403 100.00%

Year 3 - Total Observed in 2023		Percent of Total	
Total Coast Live Oak (alive)	206	Total Alive	224 55.58%
Total Valley Oak (alive)	18	Total Dead	179 44.42%
Ratio Coast/Valley	11.4	Total	403 100.00%

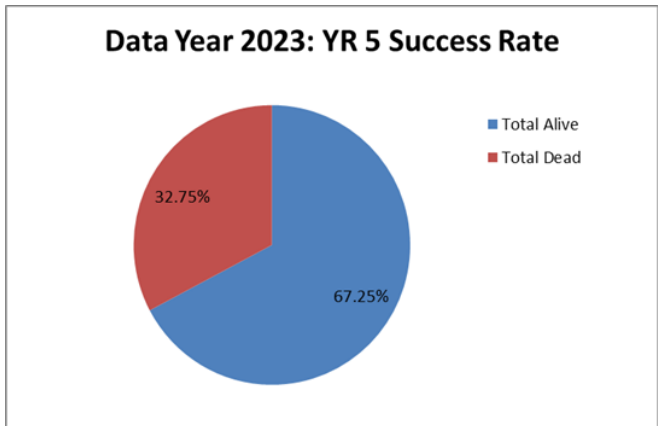
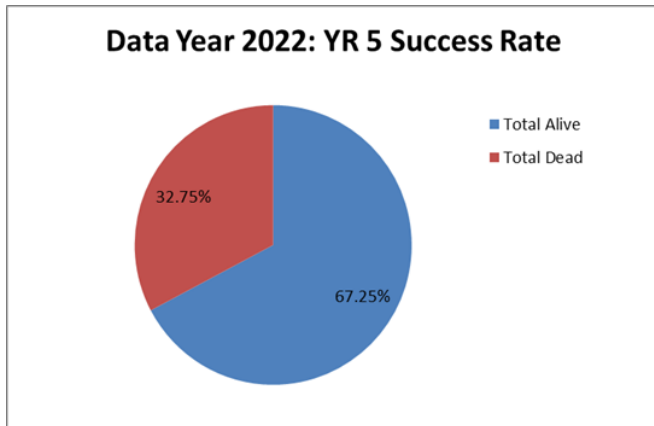
Figure 6: Status comparison of Year 3 trees from 2022 to 2023.



Year 4 - Total Observed in 2022				Percent of Total
Total Coast Live Oak (alive)	254	Total Alive	279	74.80%
Total Valley Oak (alive)	25	Total Dead	94	25.20%
Ratio Coast/Valley	10.2	Total	373	100.00%

Year 4 - Total Observed in 2023				Percent of Total
Total Coast Live Oak (alive)	248	Total Alive	273	73.19%
Total Valley Oak (alive)	25	Total Dead	100	26.81%
Ratio Coast/Valley	9.9	Total	373	100.00%

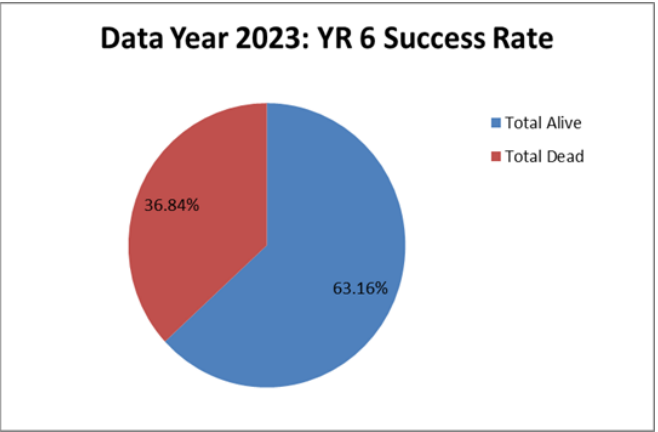
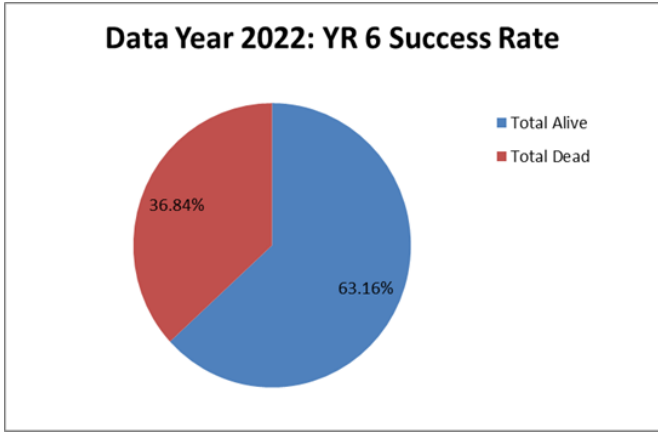
Figure 7: Status comparison of Year 4 trees from 2022 to 2023.



Year 5 - Total Observed in 2022				Percent of Total
Total Coast Live Oak (alive)	231	Total Alive	267	67.25%
Total Valley Oak (alive)	36	Total Dead	130	32.75%
Ratio Coast/Valley	6.4	Total	397	100.00%

Year 5 - Total Observed in 2023				Percent of Total
Total Coast Live Oak (alive)	230	Total Alive	267	67.25%
Total Valley Oak (alive)	37	Total Dead	130	32.75%
Ratio Coast/Valley	6.2	Total	397	100.00%

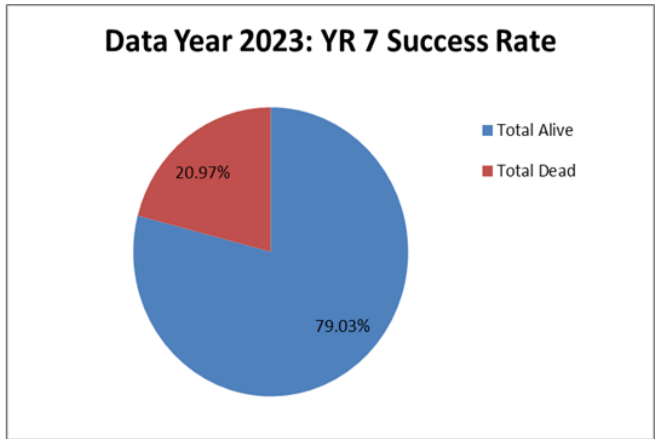
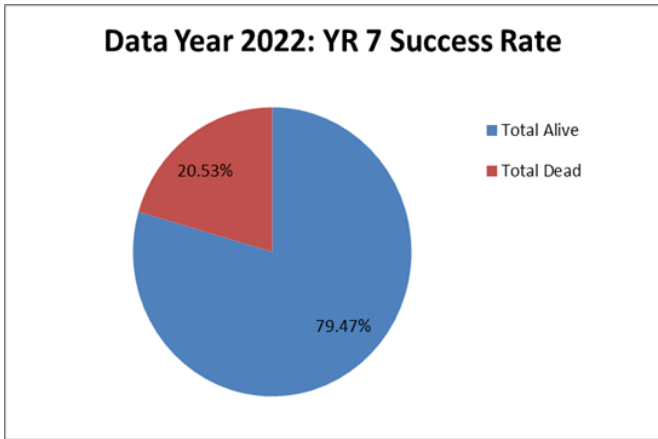
Figure 8: Status comparison of Year 5 trees from 2022 to 2023.



Year 6 - Total Observed in 2022		Percent of Total	
Total Coast Live Oak (alive)	212	Total Alive	240
Total Valley Oak (alive)	28	Total Dead	140
Ratio Coast/Valley	7.6	Total	380
			100.00%

Year 6 - Total Observed in 2023		Percent of Total	
Total Coast Live Oak (alive)	211	Total Alive	240
Total Valley Oak (alive)	29	Total Dead	140
Ratio Coast/Valley	7.3	Total	380
			100.00%

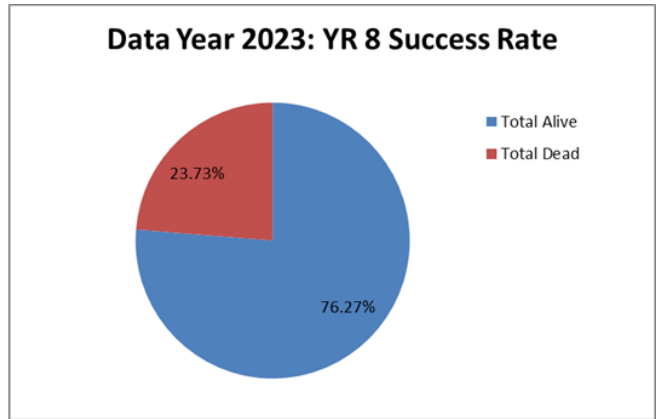
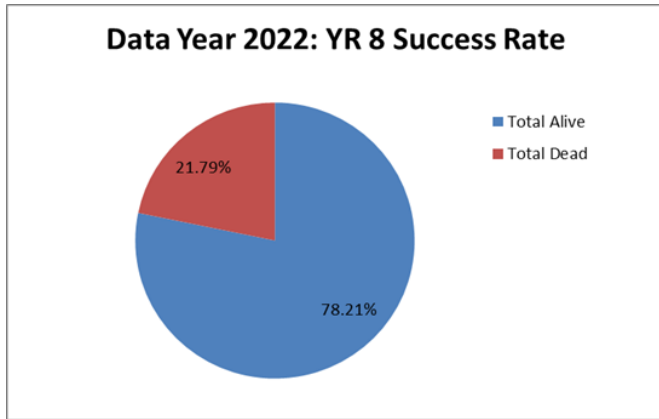
Figure 9: Status comparison of Year 6 trees from 2022 to 2023.



Year 7 - Total Observed in 2022		Percent of Total	
Total Coast Live Oak (alive)	600	Total Alive	720
Total Valley Oak (alive)	120	Total Dead	186
Ratio Coast/Valley	5.0	Total	906
			100.00%

Year 7 - Total Observed in 2023		Percent of Total	
Total Coast Live Oak (alive)	586	Total Alive	716
Total Valley Oak (alive)	130	Total Dead	190
Ratio Coast/Valley	4.5	Total	906
			100.00%

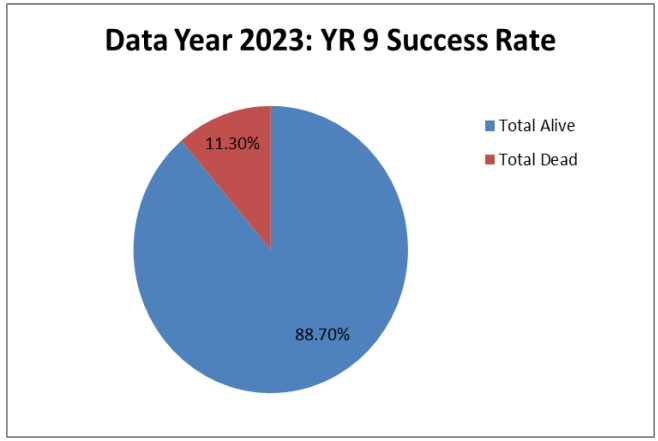
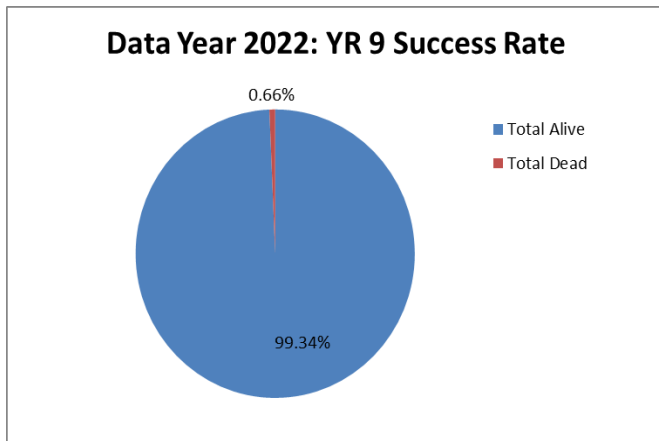
Figure 10: Status comparison of Year 7 trees from 2022 to 2023.



Year 8 - Total Observed in 2022			Percent of Total	
Total Coast Live Oak (alive)	599	Total Alive	646	78.21%
Total Valley Oak (alive)	47	Total Dead	180	21.79%
Ratio Coast/Valley	12.7	Total	826	100.00%

Year 8 - Total Observed in 2023			Percent of Total	
Total Coast Live Oak (alive)	588	Total Alive	630	76.27%
Total Valley Oak (alive)	42	Total Dead	196	23.73%
Ratio Coast/Valley	14.0	Total	826	100.00%

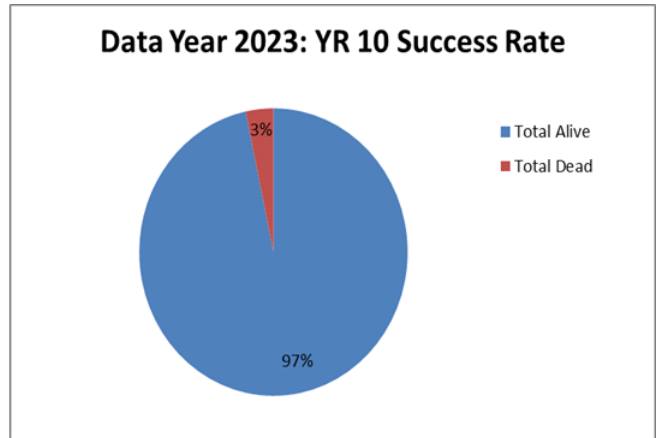
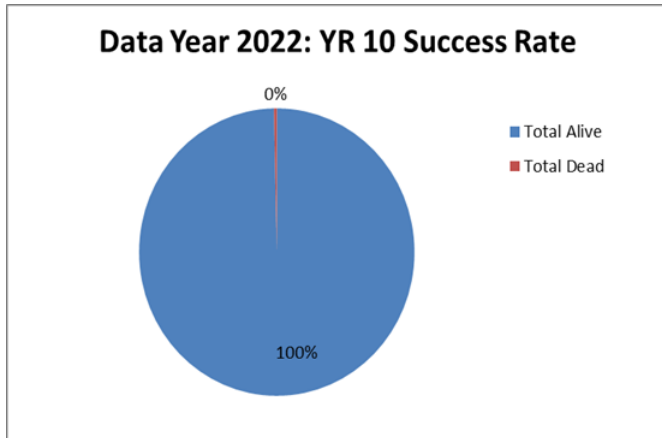
Figure 11: Status comparison of Year 8 trees from 2022 to 2023.



Year 9 - Total Observed in 2022			Percent of Total	
Total Coast Live Oak (alive)	279	Total Alive	299	99.34%
Total Valley Oak (alive)	20	Total Dead	2	0.66%
Ratio Coast/Valley	14.0	Total	301	100.00%

Year 9 - Total Observed in 2023			Percent of Total	
Total Coast Live Oak (alive)	248	Total Alive	267	88.70%
Total Valley Oak (alive)	19	Total Dead	34	11.30%
Ratio Coast/Valley	13.1	Total	301	100.00%

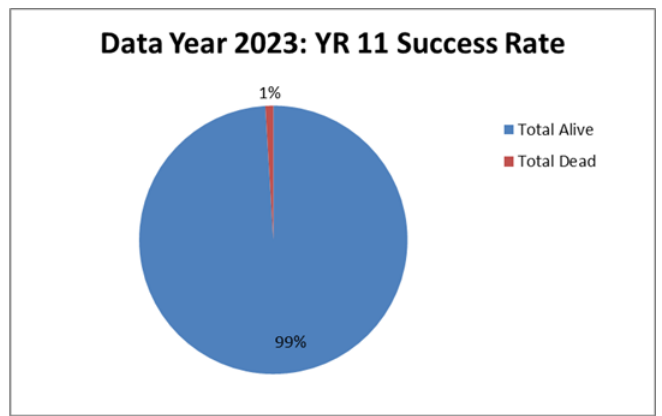
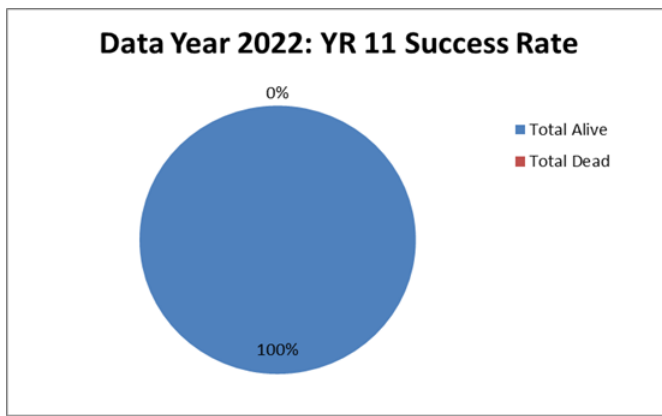
Figure 12: Status comparison of Year 9 trees from 2022 to 2023.



Year 10 - Total Observed in 2022		Percent of Total	
Total Coast Live Oak (alive)	272	Total Alive	299 99.67%
Total Valley Oak (alive)	27	Total Dead	1 0.33%
Ratio Coast/Valley	10.1	Total	300 100.00%

Year 10 - Total Observed in 2023		Percent of Total	
Total Coast Live Oak (alive)	270	Total Alive	290 96.67%
Total Valley Oak (alive)	20	Total Dead	10 3.33%
Ratio Coast/Valley	13.5	Total	300 100.00%

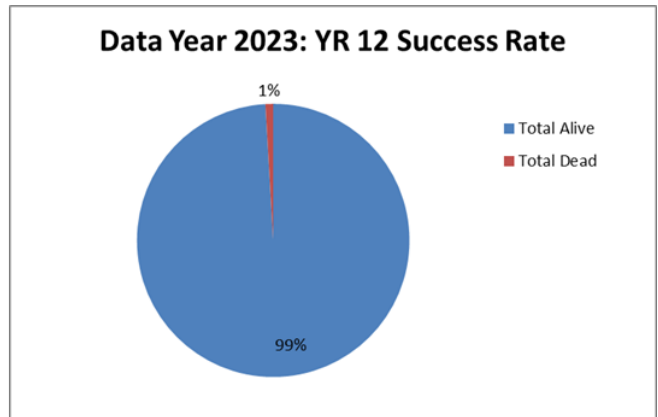
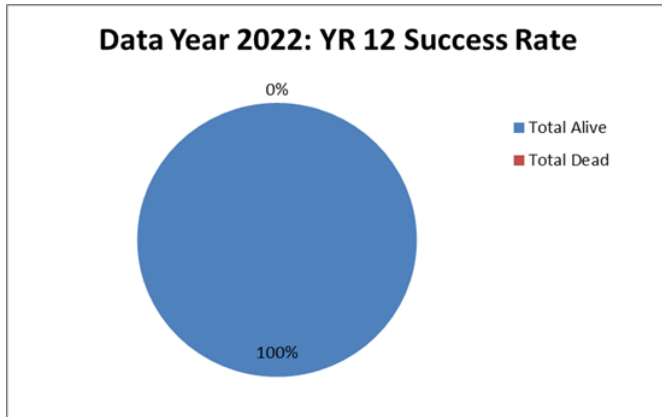
Figure 13: Status comparison of Year 10 trees from 2022 to 2023.



Year 11 - Total Observed in 2022		Percent of Total	
Total Coast Live Oak (alive)	287	Total Alive	312 100.00%
Total Valley Oak (alive)	25	Total Dead	0 0.00%
Ratio Coast/Valley	11.5	Total	312 100.00%

Year 11 - Total Observed in 2023		Percent of Total	
Total Coast Live Oak (alive)	283	Total Alive	309 99.04%
Total Valley Oak (alive)	26	Total Dead	3 0.96%
Ratio Coast/Valley	10.9	Total	312 100.00%

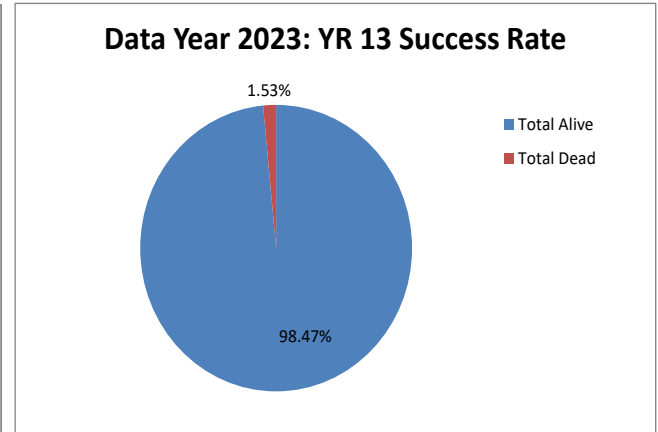
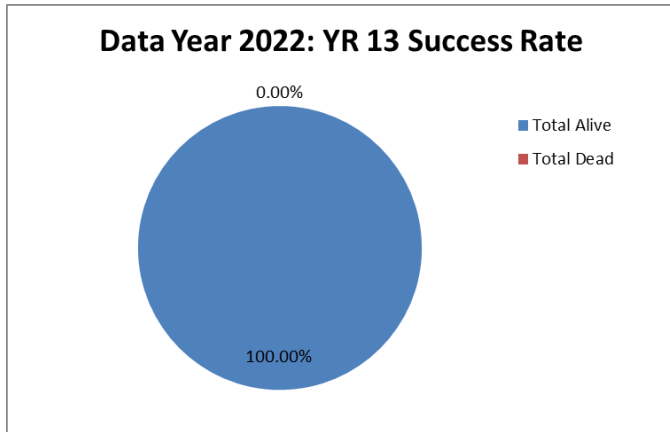
Figure 14: Status comparison of Year 11 trees from 2022 to 2023.



Year 12 - Total Observed in 2022			Percent of Total	
Total Coast Live Oak (alive)	317	Total Alive	325	100.00%
Total Valley Oak (alive)	8	Total Dead	0	0.00%
Ratio Coast/Valley	39.6	Total	325	100.00%

Year 12 - Total Observed in 2023			Percent of Total	
Total Coast Live Oak (alive)	313	Total Alive	322	99.08%
Total Valley Oak (alive)	9	Total Dead	3	0.92%
Ratio Coast/Valley	34.8	Total	325	100.00%

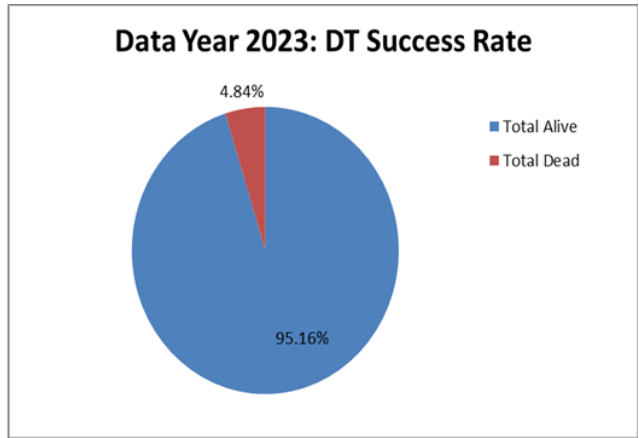
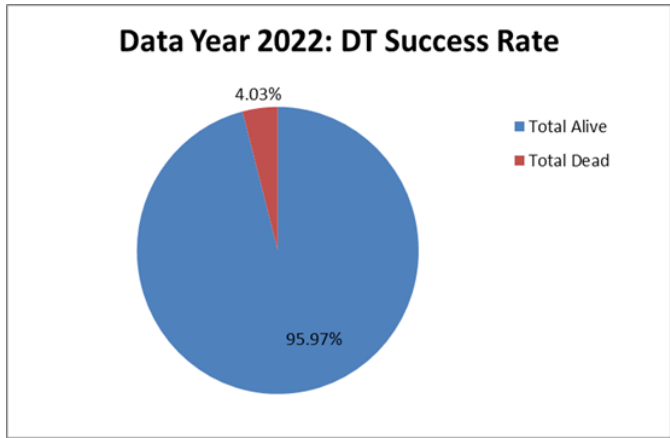
Figure 15: Status comparison of Year 12 trees from 2022 to 2023.



Year 13 - Total Observed in 2022			Percent of Total	
Total Coast Live Oak (alive)	381	Total Alive	390	100.00%
Total Valley Oak (alive)	9	Total Dead	0	0.00%
Ratio Coast/Valley	42.3	Total	390	100.00%

Year 13 - Total Observed in 2023			Percent of Total	
Total Coast Live Oak (alive)	377	Total Alive	385	98.47%
Total Valley Oak (alive)	8	Total Dead	6	1.53%
Ratio Coast/Valley	47.1	Total	391	100.00%

Figure 16: Status comparison of Year 13 trees from 2022 to 2023.



DT - Total Observed in 2022				Percent of Total	
Total Coast Live Oak (alive)	96	Total Alive	119	95.97%	
Total Valley Oak (alive)	23	Total Dead	5	4.03%	
Ratio Coast/Valley	4.2	Total	124	100.00%	

DT - Total Observed in 2023				Percent of Total	
Total Coast Live Oak (alive)	95	Total Alive	118	95.16%	
Total Valley Oak (alive)	23	Total Dead	6	4.84%	
Ratio Coast/Valley	4.1	Total	124	100.00%	

Figure 17: Status comparison of DT trees from 2022 to 2023.

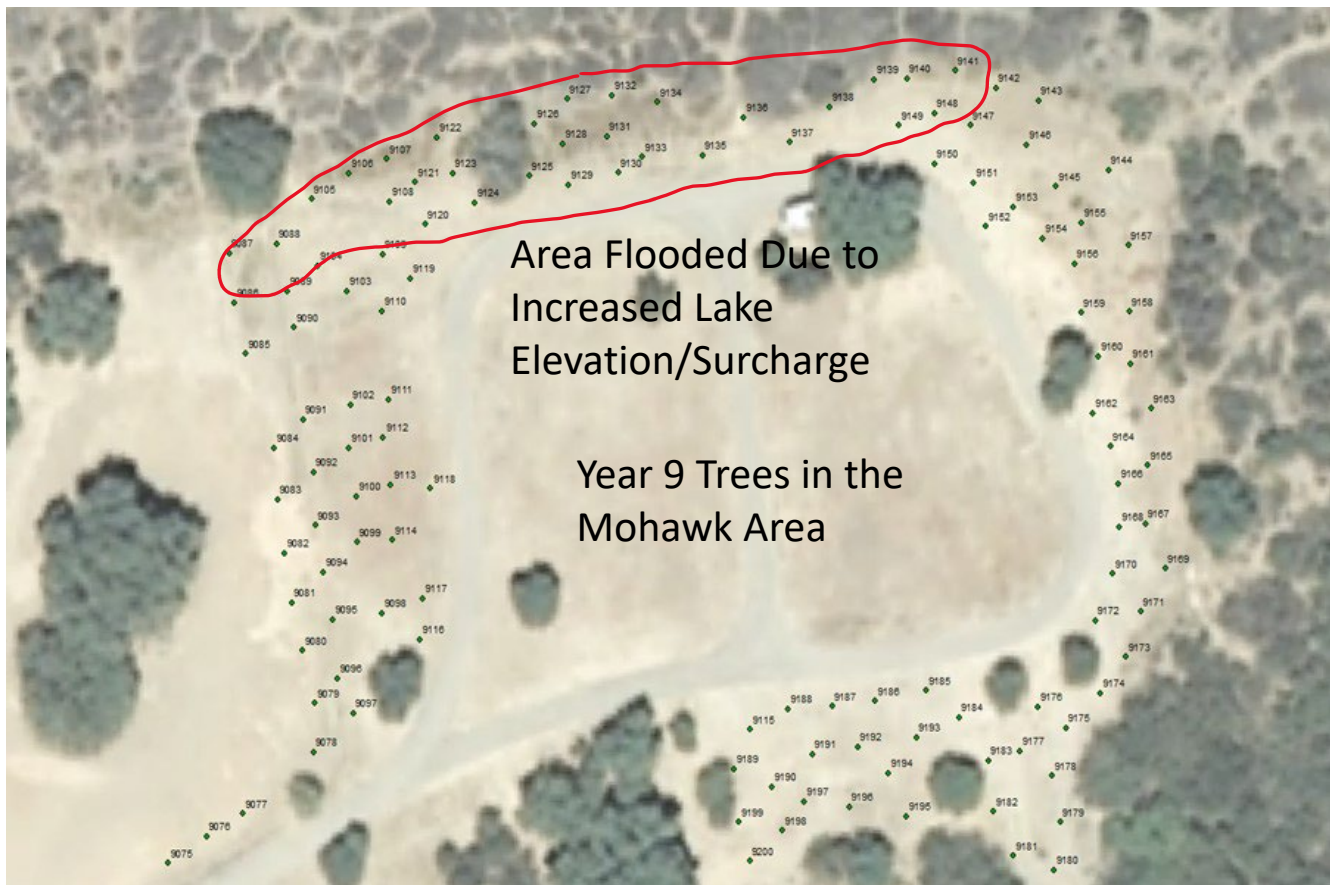


Figure 18: Mohawk area in Lake Cachuma Park, showing the extent of flooding due to high surcharged lake water above maximum elevation.



Figure 19: Inundated Year 9 trees at the lower margins of the Mohawk area in Lake Cachuma Park.

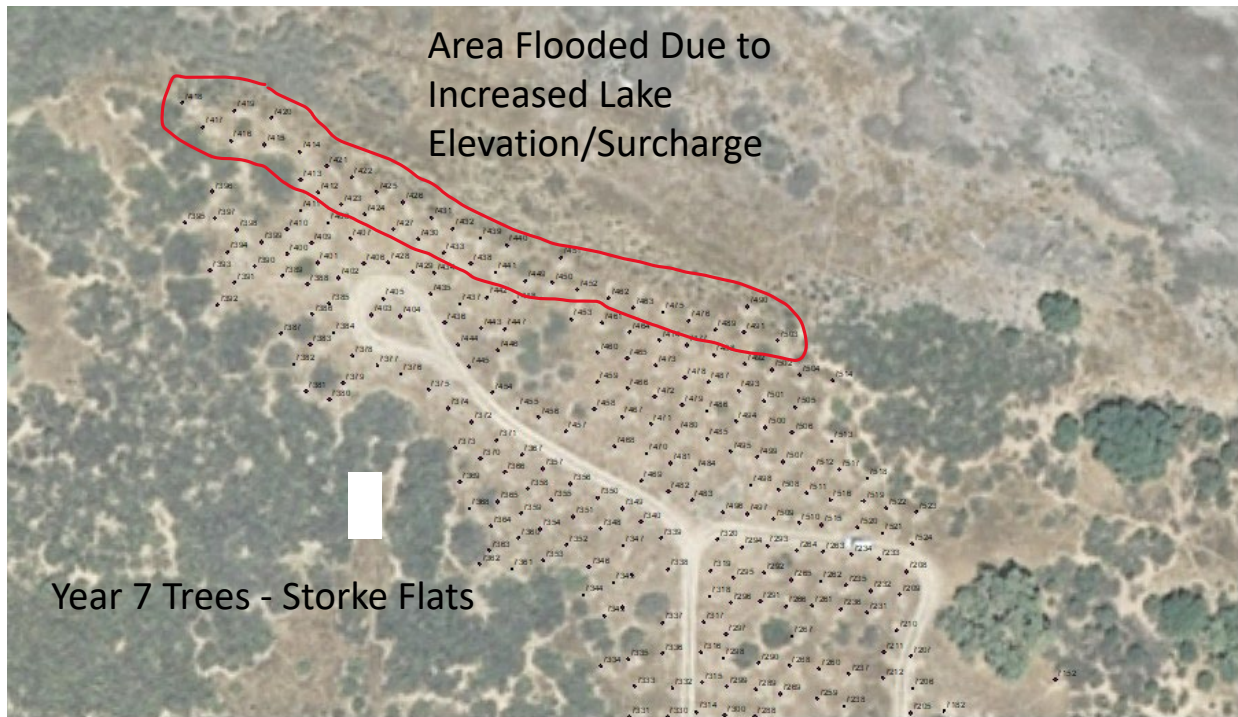


Figure 20: Inundated Year 7 trees located at Storke Flats within Reclamation Property.



Figure 21: Inundated Year 7 trees at the lower margins of Storke Flats.

Maintenance

Maintenance of all planted oak trees in FY23/24 included irrigating, weeding, mulching, and deer cage maintenance is presented in Table 1. The total amount of water used from Lake Cachuma to irrigate oak trees from all year classes in FY23/24 was 0.77 acre-feet respectively, which is slightly higher than the amount used last year at 0.56 acre-feet (Table 2).

Table 1: Cachuma Oak Tree Restoration Program completed maintenance in FY23/24.

	July 2023	Aug 2023	Sept 2023	Oct 2023	Nov 2023	Dec 2023 ¹	Jan 2024 ¹	Feb 2024 ¹	Mar 2024 ¹	April 2024 ¹	May 2024 ¹	June 2024
Year 13 Oaks (2021-2022)	Irrigation	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated						Irrigated
		Weeded	Weeded	Weeded	Weeded	Watered			Weeded	Weeded	Weeded	Weeded
			Repair									
Year 12 Oaks (2020-2021)	Irrigation	Irrigated	Irrigated	Irrigated		Irrigated						Irrigated
		Weeded	Weeded	Weeded		Watered						Weeded
Year 11 Oaks (2019-2020)	Irrigation	Irrigated		Irrigated	Irrigated							
		Weeded		Weeded	Weeded							
Year 10 Oaks (2018-2019)												
Year 9 Oaks (2016-2017)												
Year 8 Oaks (2015-2016)												

¹ Oak tree inventory.

Table 2: Cachuma Oak Tree Restoration Program water usage from Lake Cachuma for irrigation during FY23/24.

	Gallons	Acre-feet
July	47,300	0.145
August	60,800	0.187
September	28,425	0.087
October	41,750	0.128
November	12,100	0.037
December	26,550	0.081
January		
February		
March		
April		
May		
June	34,425	0.106
Total:	251,350	0.77

Financials

Annual expenses by Fiscal Year since the beginning of the Lake Cachuma Oak Tree Restoration Program in FY05/06 are presented in Table 3. The totals include COMB staff (plus burden) and consulting arborist hours, material, supplies, fuel expenses, GPS mapping, conducting the annual inventory, replanting trees over the period, and reporting. The breakout for those costs is presented by labor (Table 4) and the total cost (labor, materials, and supplies) (Table 5). The financials do include WY2023/24 mapping efforts.

Table 3: Total program costs by Fiscal Year including planting, maintenance, mapping, conducting the annual inventory, and reporting by year (Year-ID) and number of trees planted during those years.

# of Years	Fiscal Year	Operator	Year-ID	# Planted Trees	Cost
1	2005-2006	Fournier	1	375	\$116,731
2	2006-2007	Fournier	2	375	\$117,620
3	2007-2008	Fournier	3	375	\$138,786
4	2008-2009	Fournier	4	375	\$137,872
5	2009-2010	Fournier	5	379	\$136,900
6	2010-2011	Fournier	6	377	\$137,878
7	2011-2012	Fournier	-	-	\$79,439
8	2012-2013	COMB	-	-	\$101,431
9	2013-2014	COMB	-	-	\$48,097
10	2014-2015	COMB	7	909	\$134,054
11	2015-2016	COMB	8	824	\$128,241
12	2016-2017	COMB	9	301	\$101,227
13	2005-2018	COMB	DT	124	\$128,752
14	2018-2019	COMB	10	300	\$120,573
15	2019-2020	COMB	11	311	\$140,775
16	2020-2021	COMB	12	325	\$119,113
17	2021-2022	COMB	13	390	\$135,594
18	2022-2023	COMB	-	57	\$88,368
19	2023-2024	COMB	-	-	\$72,945
			Total:	5797	\$2,184,397

Table 4: Labor costs for the Lake Cachuma Oak Tree Program during FY23/24.

	Total
COMB Staff (hours):	
Seasonal Biologist Aide A	404
Seasonal Biologist Aide B	239
Seasonal Biologist Aide C	294
Biologist	847
Project Biologist A	9
Project Biologist B	39.5
Senior Resource Scientist	57
Total Staff Hours:	1889.5
Cost - Labor plus burden	\$ 67,166.27
Consultant Service Hours (Ken Knight):	
	5
Consultant Cost	\$625.00
Total Personnel /Consultant Cost	\$67,791.27

Table 5: Total expenses (labor, materials and supplies) for the Lake Cachuma Oak Tree Program during FY23/24.

	Total
Materials and Supplies:	
Mulch	FREE
Hand tools	\$98.91
Hoses	\$188.15
PPE	\$34.34
Equipment mobilization	\$367.75
Vehicle Fuel Cost	\$1,417.20
Equipment Fuel Cost (incl. diesel H2O truck)	\$3,047.48
Total Materials and Supplies	\$5,153.83
TOTAL EXPENSES (labor, materials + supplies)	\$72,945.10

The total cost of the Lake Cachuma Oak Tree Restoration Program in FY23/24 was \$72,945. Again, the total reflects personnel cost (labor plus burden), materials, supplies, expenses (vehicle and equipment fuel), and consultant fees. For comparison, during the first six years of the project annual consultant costs were approximately \$136,000 to plant approximately 375 and maintain the previously planted trees. In FY16/17, COMB staff planted 301 trees and maintained all previously planted trees (4,290 trees) at a cost of \$101,227. The ability to keep costs down is attributed to multiple factors, which include but are not limited to:

- Relying on the COMB Fisheries Division (FD) seasonal staff to conduct the bulk of field activities.
- Minimizing the number of full-time COMB-FD staff being used.
- Reduced equipment needs as the bulk of purchases occurred during the fiscal year when COMB-FD took over the project in 2012.
- Reduced consultant hours due to staff gaining more tree care experience.
- Reduced equipment (generator/pumps) gas consumption from more efficient irrigation hosing and better delivery technique for extracting water from Lake Cachuma.
- Repurposed salvaged deer cages and stakes from Program trees over 6 feet in height.

Summary and Recommendations for Program Improvements

As of the end of the 2023 Oak Tree Inventory, there were 4,558 alive oak trees (Years 1-13 and DT trees). The survival rate to date is 78.55% which can be attributed to the tree maintenance effort of the Program and would be considered very respectful in any open range oak tree planting effort in a similar climate. It is recommended to continue providing irrigation support to the newest planted trees (Year 12, and Year 13) and for all other trees weed, mulch, and remove deer cages when trees are larger than 6 feet,

Challenges for the Program, specifically tree survival, are seven of the last twelve years of the Program experienced extraordinary drought conditions (WY2012-WY2022, except WY2017, WY2019, WY2020, and WY2022), inadequate initial planting methodologies during the first six years (compromised gopher wire baskets, trees planted too low, deer cages removed too soon, auger hole planting, etc.), and a limited staff to take care of an extensive number of trees. Some planting areas

have better soils and topography than others, for example the Year 3 planting area has shallow soils with southern exposure whereas the Year 7 planting area for the most part is just the opposite. We will need to continue to work with the County Park staff to maintain certain areas prone to stream/river and lake flooding.

Lessons learned by the COMB staff from many years of conducting this Program have been put into practice and are recommended for future work, specifically:

- Start the annual tree inventory as soon as possible in the fall and swap out unreadable tags with new ones.
- Continue to carefully conduct the tree inventory to maximize accuracy, efficiency, and results. Provide sufficient time to properly train new staff on all elements of the Program.
- Systematically mulch as many trees as possible once a year, particularly newly planted trees, and obtain as clean a mulch as possible (weed seed free without trash). It is important to keep the mulch away from the tree trunk and not cover the gopher basket. Obtain local mulch whenever possible from the County Park or Lucidity as it is often free and free of trash.
- Maintain deer cages for all trees below deer browsing level (approximately 6 feet).
- Clear dirt away from the tree trunk base to reduce prolonged moisture against the trunk.
- Expose the top of the gopher wire baskets (usually painted green) at the surface wherever possible to prohibit gopher travel over the top of the wire basket. This includes dirt and mulch. Also, fill gopher and ground squirrel holes while watering to discourage habitation and reduce irrigation water loss.
- If needed, plant new trees in professional gopher wire baskets using backhoe dug holes (no auger holes that limit the spread of tree roots); plant the trees slightly above grade to accommodate subsidence; and use sturdy wire deer cages instead of netting or chicken wire.
- If needed, plant well-established trees from the nursery (at least a foot tall) instead of acorns as they have a better success rate.
- Conduct structural pruning where needed of planted trees so that they can grow larger, taller, faster, and stronger than unpruned trees, thus becoming more likely to survive and be self-sustaining. The pruning should take place in the late fall or early winter when the trees are growing very little.
- Work with USBR and the County Park on what to do about dead planted oak trees at Mohawk camping area in the park from an extended period of lake surcharge over 753 feet of lake elevation.
- Reserve time for deer cage and tree stake removal once the oak trees are over 6 feet tall as this will need to be done as the Program sunsets (Figure 22).
- Carefully mow and/or weed whack around trees for weed control and grade access roads to facilitate egress and safety for all maintenance tasks.
- Clear brush near any planted trees to discourage herbivory of Program trees.
- Wrap the bottom of deer cages with fine mesh shade cloth to prohibit surface rodents from accessing planted trees in areas near the margins of planting areas.
- Survey all planted oak trees for mistletoe and remediate as quickly as possible being careful to not leave any cuttings behind.
- Conduct a training class with the County Park managers on how best to take care of the planted oak trees once the program ends at the end of 2025.
- Educate the public about the Oak Tree Program to create appreciation and stewardship, and work with the County Park managers to best protect newly planted trees. This could include a

brochure or signage specifically for the Disc Golf players and how they could contribute to the care and well-being of the planted oak trees.

- Have the water truck and water trailer taken in for annual maintenance during the winter when they are not in use.



Figure 22: An example of a planted oak tree that is now taller than 6 feet, is not at risk from deer browsing, and should have the deer cage removed.

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COMB, 2016. 2015 Lakeshore Survey Report. Cachuma Operation and Maintenance Board (COMB).

COMB, 2017a. 2015 Annual Report for the Lake Cachuma Oak Tree Restoration Program. Cachuma Operation and Maintenance Board (COMB).

COMB, 2017b. 2016 Annual Report for the Lake Cachuma Oak Tree Restoration Program. Cachuma Operation and Maintenance Board.

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COMB, 2022. 2021 Annual Report for the Lake Cachuma Oak Tree Restoration Program with Fiscal Year 2021-2022 Financials and Water Usage. Cachuma Operation and Maintenance Board (COMB).

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Mission Statement:

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

August 26, 2024

General Manager Report

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

Administration

- **ACWA/JPIA Health Insurance Benefits**

COMB's health insurance benefits offered to active employees and retirees are provided through ACWA/JPIA. In 2022 and 2023, the ACWA/JPIA Executive Committee chose to provide rate reductions to return excess funds collected during the pandemic to members and to provide some relief during financially challenging times. For the 2025 program year, ACWA/JPIA balanced rate increases with managing excess reserve funds to stabilize the experience of its members. After two bounce-back years, claims have now surpassed pre-pandemic levels due to inflation and other cost pressures.

Staff has received preliminary information that, effective calendar year 2025, medical insurance premiums for Anthem PPO and HMO will increase 10% and 5%, respectively. These increases were previously estimated and factored into the COMB operating budget for FY 2024-25. Due to recent changes in Center for Medicare Services (CMS) regulations, the United Healthcare Medicare Advantage PPO premiums for retirees have not been finalized. However, dental and vision plans offered through ACWA/JPIA have experienced no change in premiums for 2025. Open enrollment for staff is scheduled for October.

U.S. Bureau of Reclamation

- **Bradbury Dam Safety of Dams (SOD) Contract**

The United States constructed Bradbury Dam (1953-1957) and other related facilities, and acquired certain lands, water rights, and other property, all referred to as the Cachuma Project. During the 1990's, and as a result of the acquisition of new hydrologic data, new seismic data, and changes in the state-of-art criteria, the United States determined that Bradbury Dam and related facilities must be modified pursuant to the Safety of Dams Act to preserve its structural integrity.

The Reclamation Safety of Dams Act authorized the Secretary of the Interior, through the Bureau of Reclamation, to perform the corrective work, provided that fifteen percent (15%) of the costs incurred, including appropriate interest, were reimbursed by the Project beneficiaries. The work was completed by September 2001 and COMB, on behalf of the Cachuma Project Member Agencies, entered into a contract with the U.S. Bureau of Reclamation for the repayment of funds expended for the federally performed Safety of Dams Act modification program.

The original contract was in an amount not to exceed \$45,276,008 with the 15% Cachuma Member Agencies obligation not to exceed \$6,791,401 plus appropriate interest. Since that time, extraordinary expenses of approximately \$2.5 million (15% is ~\$375k) were incurred by Reclamation to complete the project. Staff has been in discussions with Reclamation to amend the contract and revise the re-payment schedule. Reclamation is currently confirming their records and will host a technical meeting with staff in November.

- **Value Planning Study Session**

Reclamation is conducting a Value Planning Study as required by Term 24(a) of the Water Board Order. Term 24(a) requires Reclamation to study and evaluate options of providing steelhead passage of adults and smolts around Bradbury Dam. The Value Planning Study session is scheduled to be a weeklong event and includes invited participants from agencies associated with the Cachuma Project and external fisheries regulatory agencies. COMB has been asked to attend to offer input and professional field expertise on the value planning study session.

Respectfully Submitted,

Janet Gingras

General Manager

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: August 26, 2024
TO: Janet Gingras, General Manager
FROM: Joel Degner, Engineer/Operations Division Manager
RE: MONTHLY ENGINEERING REPORT

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

CLIMATE CONDITIONS

The Water Year 2023-2024 rainfall totals are 143% of normal for the year as of 8/26/24 for the County of Santa Barbara. As of 8/22/2024, 246,268 AF of inflow into the Cachuma Reservoir has occurred in Water Year 2024.

According to the National Weather Service Climate Prediction Center ENSO-neutral is expected to continue for the next several months, with La Niña favored to emerge during September-November (66% chance) and persist through the Northern Hemisphere winter 2024-25 (74% chance during November-January). La Niña years have historically had a lower-than-average inflow into Lake Cachuma. However, Water Year 2023 was a La Niña and nearly 500,000 AF of inflow occurred. Prior to Water Year 2023, La Niña years never exceeded 200,000 AF of computed inflow. Figure 1 provides a comparison between the Oceanic Index and the Computed Inflow since the construction of Bradbury Dam (1954-2024).

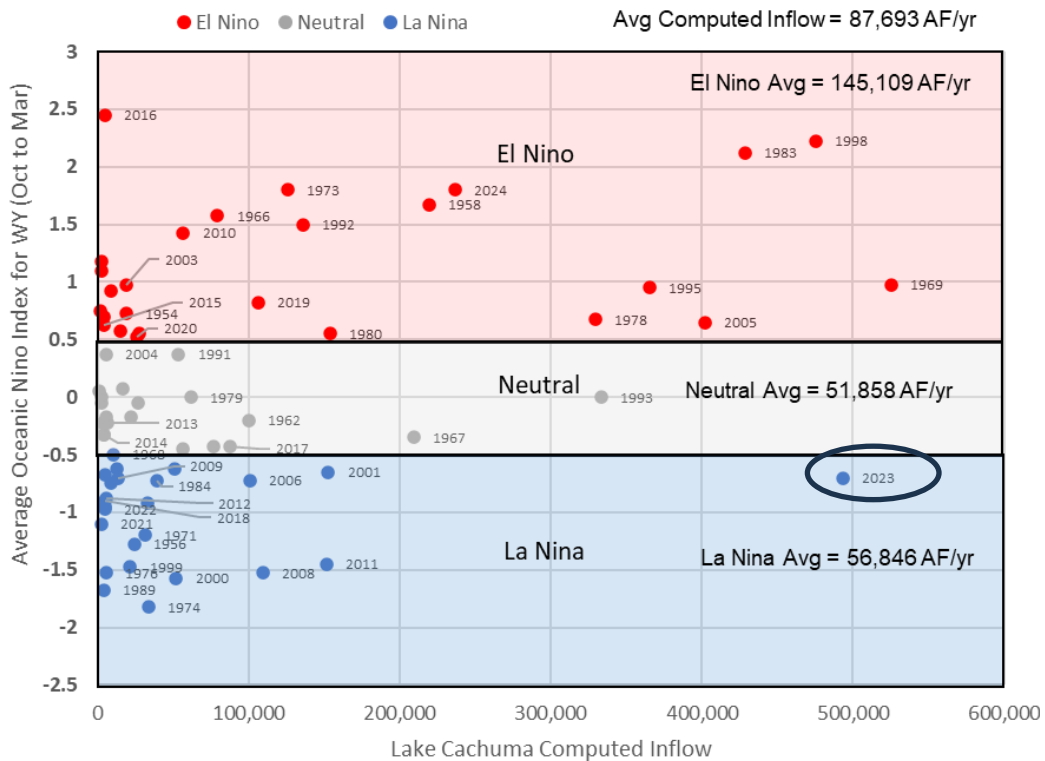


Figure 1. Comparison of the Oceanic Index and the Computed Inflow and the Water Year 2023 Outlier (Data from 1954 to 2024)

The average live fuel moisture index was 66% as of August 15, 2024. The 3-year average at this time is 61%, so the vegetation has slightly more moisture than normal. Critical conditions for rapid fire spread are below 60%.

COMB received updated import-exports forecasts from its Member Agencies. The lake elevation projection is provided in Figure 2 assuming dry hydrologic conditions in Water Year 2025.

Parameter	Optimistic	Realistic	Conservative
SCC Export	80% Forecast	Forecast	120% Forecast
CCWA Inflow	120% Forecast	Forecast	80% Forecast
WR 89-19 Release (2024)	0 AF	0 AF	0 AF
WR 89-18 Release (2025)	0 AF	0 AF	11,600 AF
Fish Release	100% Rec Tables	110% Rec Tables	120% Rec Tables

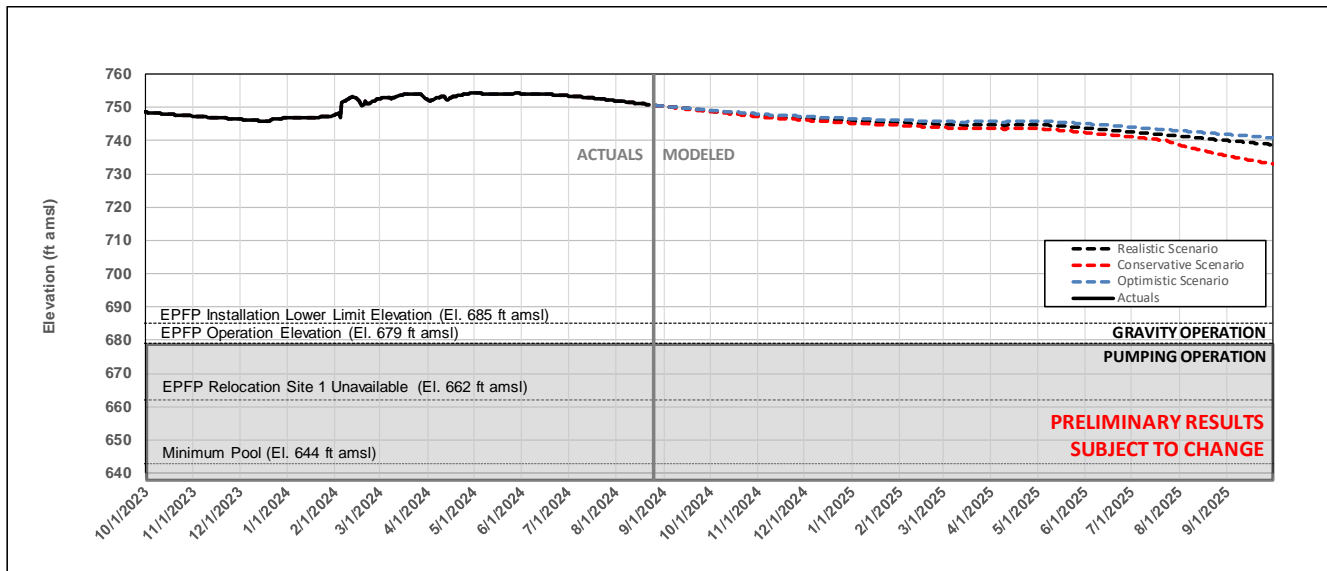


Figure 2. Lake Cachuma Elevation assuming dry conditions in Water Year 2025 (as of 8/22/2024)

2024 LAKE FIRE

The Lake Fire started on July 5, 2024 and lasted one month long and was declared 100 percent contained in early August. A total of 38,644 acres were burned including approximately 2,000 acres in the Cachuma Creek watershed and approximately 0.7 percent of the watershed above Bradbury Dam. The United States Geologic Survey Differential Normalized Burn Ratio is provided in Figure 3. The Normalized Burn Ratio (NBR) is calculated using near infrared and shortwave infrared wave lengths and estimates the health of the vegetation. The difference between the NBR pre-fire and post-fire provides an estimate of the burn severity. Cachuma Creek watershed had mostly moderate to moderate-high burn severity with pockets of high burn severity.

The Lake Fire may have some impacts to Lake Cachuma water quality, however, since it only burned less than one percent of the watershed, the impacts are expected to be minor. There could be an increase in floating debris from Cachuma Creek near Bradbury. It may be beneficial to install debris boom across the Cachuma Creek inlet to prevent logs and debris from entering the lake. The burned perimeter and contingency lines that were re-established by the firefighters, should help contain the spread of large wildfires in the future. Several upper watersheds on the tributaries of the lower Santa Ynez River below Bradbury Dam where also impacted by the fire and increased sedimentation and risk of debris flows are likely in those watersheds (Zaca Creek, Alamo Pintado Creek, and Santa Agueda/Happy Canyon Creeks).

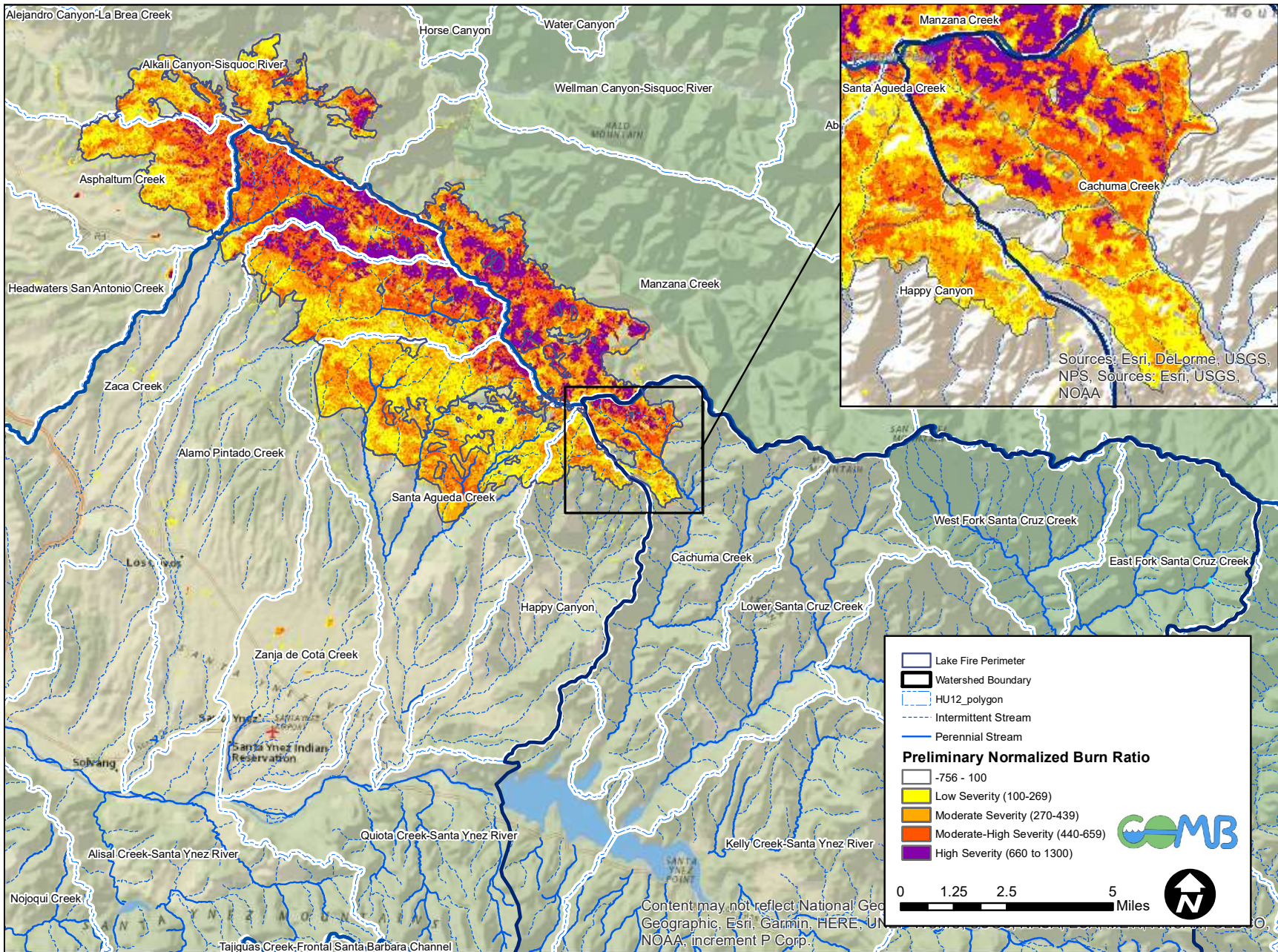


Figure 1. Lake Fire Preliminary Differential Normalized Burn Ratio (Burned Area Emergency Response Team Data)

WINTER STORM 2023 AND 2024 DAMAGE REPAIRS AND REIMBURSEMENT

COMB staff continues to weekly meet with FEMA regarding 2023 damages. All projects from DR-4683 have been submitted by the FEMA program manager for further review and funding. All repair work and mitigation work for damages has been completed. In mid-August 2024, COMB installed a steel lid on the Toro Canyon blowoff that is inset into the structure and bolted on. In addition, damaged ladder rungs and coatings inside the vault were also repaired. The lid and upper vault structure has been destroyed three times in the last 30 years (1995, 2018, and 2023) and the vault filled with large boulders, cobbles, and sand. The new traffic-rated steel lid is bolted and mortared to the structure as a mitigation, where as previous top sections were only mortared and vulnerable to be carried away in debris flow events. A summary of the 2023 Winter Storm Damage projects is provided in Table 1.

Table 1. 2023 Winter Storm Damage Summary Table

Site	Cat	Location	Work Type	Estimated Cost	% Complete	Estimated Reimbursible	Received as 8/22/24	FEMA Status
<i>Fiscal Year 2022-23</i>								
County-wide Debris Removal	A	North Portal Log Boom	Contract	\$ 6,422	100%	\$44,251	\$44,251	Funded
		Sheffield Access Road	Contract	\$ 12,750	100%			
		South Portal/Glen Anne Road	Force Account	\$ 25,079	100%			
<i>Fiscal Year 2023-24</i>								
Lauro Reservoir Stilling Well Debris Removal	A	Lauro Stilling Well	Contract	\$ 55,697	100%	\$0	\$0	FEMA denied application.
Sediment Removal From Water Control Facilities	D	Lauro Main Debris Basin	Contract	\$ 303,068	100%	\$284,127	\$284,127	Funded
		San Roque Debris Basin	Contract		100%			
		Carpinteria Toe Drain	Contract		100%			
County-Wide Road Repairs	C	Sycamore Canyon Rock Slope Protection Repair	Contract	\$ 17,600	100%	\$0	\$0	Removed - Maintenance
		Lauro Reservoir Bypass Channel Emergency Repair	Contract	\$ 216,465	100%	\$202,936	\$0	Recipient Final Review
Blowoff Repairs	G	Montecito Blowoff Repair	Force Account	\$ 4,290	100%	\$4,022	\$0	Obligated
		Toro Canyon Blowoff Repair	Contract	\$ 70,354	100%	\$65,957	\$0	
Administration	Z	COMB Administrative Costs	Force Account	\$ 17,365	95%	\$16,280	\$0	Pending Initial Project
Total				\$ 729,091	100%	\$ 617,572	\$328,378	Development



Figure 4. Toro Canyon Blowoff Vault Repairs and Mitigation

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

Table 2. 2024 Winter Storm Damage Summary Table

Site	Cat	Location	Work Type	Estimated Cost	% Complete	Estimated Reimbursible	Received as 8/22/24	FEMA Status
COMB Access Road Debris Removal	A	South Portal/Glen Anne Turnout/Sheffield/Lauro	Force Account	\$ 26,000	100%	\$26,000	\$0	Pending Application Completion
Boy Scout Debris Basin Erosion Repairs	D	Lauro Reservoir	Force Account	\$ 7,000	100%	\$6,563	\$0	Pending Initial Project Development
Lauro Debris Basin Sediment Removal	D	Lauro Reservoir	Contract	\$ 184,400	0%	\$172,875	\$0	Pending Initial Project Development
Lauro Reservoir Inflow Structure Slide Repairs	D	Lauro Reservoir	Contract	\$ 240,000	0%	\$225,000	\$0	Pending Applicant DDD Approval
Glen Anne Turnout Road Slump	C	Glen Anne Turnout	Contract	\$ 200,000	0%	\$187,500	\$0	Pending Applicant DDD Approval
Total				\$ 657,400	62%	\$ 617,938	\$0	

COMB also submitted a subapplication to CalOES for 404 hazard mitigation grant program for unimproved sections of the Lauro Reservoir Bypass Channel/Road. The 404 program provides funding to protect undamaged parts of a facility or to prevent or reduce damages caused by future disasters. COMB received notification from CalOES that they have reviewed the subapplication and submitted it to FEMA for review and funding consideration. The subapplication is still under review by FEMA. COMB provided Reclamation with a project description to perform the NEPA analysis on the project and contracted with a surveyor to provide updated survey information following the 2024 storms to develop the final designs.

INFRASTRUCTURE IMPROVEMENT PROJECTS

Table 2 provides the status of Fiscal Year 2024-25 infrastructure improvement and special projects. COMB has initiated work on Fiscal Year 2024-25 project planning.

Infrastructure Improvement Projects	Status / Phase	Complexity / Challenges	Estimated Completion Date
Infrastructure Improvement Projects			
Lauro Outlet Works Tunnel Safety Improvements	Draft designs have been prepared and under review by COMB. The next step is to send the plans to Reclamation for approval.	Reclamation requires their review and approval for any modifications to existing infrastructure (MP-620 Permit).	Draft plans to be sent to Reclamation in September and construction will be pending their review and approval.
North Portal Elevator Modification	COMB has a back up rope system it has tested with CMC Pro at the North Portal. COMB staff is preparing an RFP to evaluate the elevator and propose modifications.	High lake levels cause increased seepage in the elevator shaft which can affect electrical sensors and increase corrosion making the elevator less reliable.	RFP request for elevator engineering support plans to be sent out in September.
SCC Structure Rehabilitation : Lower Reach Laterals	Phase 2 which was approved in FY 2023 was delayed until June 2024. Work has commenced on Phase 2, with 5 of 12 completed to date. A proposal for Phase 3 has been received from the construction contractor and is under review.	In order to facilitate shutdowns on the Lower Reach of the SCC, lateral valves need replacement. COMB is collaborating with CVWD on this project.	Phase 2 is likely to be completed in mid-October and it would be most efficient to continue with Phase 3 immediately after Phase 2 is completed.
SCC Structure Rehabilitation	Several remaining blowoffs need preventative rehabilitation to prevent unplanned outages. All AVARs on the SCC have been raised above grade. Up to two shutdowns may occur this year depending on coordinate with CVWD. COMB needs to request proposals for continued rehabilitation work.	The shutdown needed require coordination with CVWD and completion of the lateral rehabilitation prior to shutdown.	Shutdowns are dependent on CVWD coordination and completion of lateral rehabilitation within each shutdown zone.
Lauro Reservoir Bypass Channel Road Repair	The bypass channel/road has been re-surveyed and the repair is under final design and Reclamation environmental review. COMB is awaiting on FEMA for the potential 404 funding award for the work.	COMB has requested 404 HGMP mitigation funding for the improvement to the bypass channel. The existing bypass needs to function during the winter period and construction is limited to the summer months.	Project would likely be initiated in May or June 2025. The size and scope of the repair will depend on grant awards.
Sheffield Tunnel Evaluation and Repair	COMB has prepared a draft RFP for engineering services. Reclamation has previously indicated they plan to perform the inspection in the fall of 2024.	COMB will need to coordinate with the City of Santa Barbara Parks to install a temporary ventilation system in Parma Park for the tunnel inspection.	Project will likely be initiated in October or November 2024 with the RFP being issued in September.
Critical Access Road Maintenance and Repair	COMB plans to crack fill and seal coat and perform minor asphalt repairs at Lauro Reservoir downstream access road, Carpinteria Reservoir, Ortega Reservoir access road, and potential Glen Anne Turnout access road.	Pavement repairs are general scheduled in the spring or early summer to prevent conflicts with upcoming winter storms.	COMB plans to request bids for paving work in Feb/March 2025 with work expected in the April to June period.
Lauro Reservoir Intake Assessment/Repair	COMB has prepared a draft RFP for engineering services to issue.	Engineering analysis will likely need to perform a dive or remote underwater vehicle inspection of the tower which general needs to occur in the winter period.	COMB plans to issue the RFP in October 2024 with the goal of completing the engineering in FY 2025 and construction in FY2026
North Portal Intake Tower Seismic Assessment	COMB has prepared a draft RFP for engineering services to issue.	The intake tower at Lake Cachuma is likely the most vulnerable structure in seismic event in the system. This study would determine how vulnerable it is and how to mitigate the risks.	COMB plans to issue the RFP in October 2024 with the goal of completing the study in 18 months going into FY 2026.
North Portal Log Boom Replacement	COMB has received quotes for replacement log boom around the intake tower and the purchase is pending board approval.	Existing log boom broke ~10 times in FY 2023-2024 and it helps protect the tower from floating debris as well as boaters.	The log boom has an expected delivery time of 6-8 weeks.
Multi Site Renewable Energy and Resiliency	COMB has issued an RFP to solar firms for the design and installation of a solar/battery system at COMB's headquarters. COMB is currently evaluating the proposals received.	The Cachuma Project is primarily a gravity-driven system with the only energy costs associated with electricity usage related to cathodic protection, lighting and ventilation, office equipment, vehicle usage.	COMB staff plans to contract with a solar firm to design the solar and battery system in October 2025.
Special Projects			
2024 Winter Storm Repairs	Completed two of the five damage locations utilizing force account labor and equipment (COMB staff&equipment). COMB has received bids on Sediment removal at Lauro Debris basin and is evaluating the repair approach on two slides.	The two slides will likely require Reclamation environmental review due to ground disturbing activities and it is unlikely the review and engineering can be completed before this upcoming winter and temporary measures will likely be needed to stabilize the slides.	Three of the five damage locations will be repaired before this upcoming winter but two locations will likely require temporary protective measures before more permanent repairs can be completed.
COMB Bldg./Ground Repair	COMB plans to install additional electrical vehicle chargers in FY 2024 to assist with the fleet electrification.	Advance Clean Fleet regulations require local agencies to purchase 50% zero emissions trucks from 2024 to 2027.	The electrical car chargers need to be integrated into the solar/battery design before they can be installed.
Water Quality and Sediment Management	COMB staff is preparing a CE-QUAL model for Lake Cachuma. Replacement sensors and parts have been acquired for the water quality buoy at the lake.	Water quality has improved substantially as a result of the 2023 and 2024 winters with much lower TOC and reduced algal blooms. Future fires will jeopardize the existing water quality in the lake.	No major projects are planned but model development will continue along with existing data collection activities.

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CACHUMA OPERATION AND MAINTENANCE BOARD

DATE: August 26, 2024
TO: Janet Gingras, General Manager
FROM: Shane King, Operations Supervisor
RE: **MONTHLY REPORT OF OPERATIONS – July 2024**

The total flow from Lake Cachuma into the Tecolote Tunnel for July was 1,672.90 acre-feet, for an average daily flow of 53.96 acre-feet. Lake elevation was 753.47 feet at the beginning of July and 752.06 feet at the end of July. Lake storage decreased by 4,555.49 acre-feet. There was 60.01 acre-feet of inflow from CCWA into Cachuma Project facilities this month. The City of Santa Barbara wheeled 687.68 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized and delivered 438.25 acre-feet of water to Hilton Creek for the month of July.

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

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

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

Routine operation and maintenance completed during the month of July were as follows:

- Staff has been on site monitoring several ongoing projects throughout the area, working closely with the construction and engineering contractors to ensure that:
 - Pipeline easements and the right-of-way remain accessible to Operations staff for possible emergencies and ongoing facility maintenance.
 - All projects are following the COMB and USBR approved plans.
 - No damage occurs to the SCC during the construction process.

Ongoing Monthly Operations Items:

- Conducted several flow changes at the North Portal during the month
- Reviewed several projects for conflicts within the SCC right of way
- Received and responded to 144 USA Dig alerts
- Performed weekly inspections of major facilities, safety meetings, rodent bait (all reservoirs), toe drain, and piezometer reads at Ortega (L23)
- Performed dam inspection and instrumentation reports (all reservoirs)
- Performed equipment and yard maintenance
- Performed monthly North Portal elevator maintenance with Otis
- Performed monthly water quality sampling
- Read and document anodes and rectifier data

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

- Staff finished building the carport structure in the upper maintenance yard to store COMB's heavy equipment machines. In years past, this equipment was not stored under any sort of roof, so it was exposed to elements like sun and rain. To prolong the life of these pieces of equipment, especially the new backhoe, COMB has installed a carport for storage. (see photos)
- COMB contracted Quinn Power systems to upgrade the North Portal backup generator controller and wiring. This upgrade will allow COMB to continually gather data from the generator and monitor it through COMB's SCADA system. The information that COMB is interested in monitoring are points like generator running, generator accumulative runtime, fuel level, generator fail to run, etc. This upgrade will also make reporting fuel usage and runtimes to the state of California much easier and time efficient.
- Staff installed a new lateral meter in the Montecito water district section of the South Coast Conduit. The accuracy of this meter was in question so COMB removed the old meter and replaced it with a new one. This new meter also has the capability of adding a "automated meter reading" adaptor which MWD is utilizing. (see photos)
- The Bureau of Reclamation conducted their annual site security visit this month. Two USBR employees visited COMB's dams and facilities including, the North Portal, Glen Anne reservoir and site, Lauro reservoir and site, Ortega reservoir and site, and Carpinteria reservoir and site. The purpose of this visit is to verify that all security barriers are in place and properly functioning properly.
- COMB contracted Cushman Contracting Corporation to modify and install a new heavy duty structural structure lid on COMB's Blow off structure number 592+80 near Toro creek in the Carpinteria section of the SCC. During previous storms the lid on this structure was lifted off and moved during heavy water flows and allowed rocks and debris to fill the structure. (see photos)
- COMB and CVWD worked with Tierra Contracting Inc. to conduct the lateral rehab. work in the Carpinteria section of the SCC. To date, the laterals that have been completed include Lateral 7-L, Lateral 8-L, Lateral 9-L, Lateral 10-L, and Lateral 11-R. (see photos)
- Operations division continues working through its annual structure maintenance program on the south reach sections of the SCC (Lauro reservoir to Carpinteria reservoir). This work includes visiting each air vent, blow off, lateral, and meter structures and performing annual maintenance. In addition, staff are gathering new GPS locations of each structure to improve COMB's alignment of the SCC. Now that the lateral rehab work is underway, staff has been working through the south reach section of the SCC. Staff have visited 16 structures this month. Work completed at these structures include:
 - Pump out any water that may have accumulated since last visit
 - Remove any debris/dirt
 - Re-paint confined space signage as needed
 - Re-paint station number as needed
 - Exercise valves and AVAR's
 - Clear any vegetation from around structure
 - Document any assets that may need replacement/repairs

Upper maintenance yard carport



Valley club meter install



Structure lid install on 592+80



Lateral rehab. work in Carpinteria



Lateral work continued



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CACHUMA OPERATION AND MAINTENANCE BOARD
BOARD MEMORANDUM

DATE: August 26, 2024
TO: Janet Gingras, General Manager
FROM: Tim Robinson, Fisheries Division Manager
RE: MONTHLY FISHERIES DIVISION REPORT

HIGHLIGHTS:

- 2000 Biological Opinion target flows have been met by USBR through Lake Cachuma releases:
 - Hilton Creek (minimum of 2 cfs): Hilton Creek Watering System (HCWS) gravity flow to the Upper Release Point (URP) and Lower Release Point (LRP) (approximately 7 cfs) plus upper basin flows (approximately 0.1 cfs since July and into mid-August) have been providing flows greater than target flows, which have been sustaining the *O. mykiss* population in the creek.
 - Highway 154 Bridge and Alisal Bridge (minimum 10 cfs as of 6/30/24 due to being on Table 2 flows for a wet/above normal year): Dam releases continue to sustain flows higher than required target flows at both compliance points.
 - Bradbury Dam started spilling on 2/1/24, USBR declared Surplus Water effective that day and ended it on 6/21/24; the trigger for Table 2 flows was reached on 2/6/24.
 - The dam radial gates were closed on 3/10/24, reopened on 3/28/24 due to stormflow conditions, and then closed again on 4/22/24 for the rest of the dry season. Since then, the spill has been ramped down through the Outlet Works.
- Stranding surveys during spill ramp-downs have continued as USBR adjusts dam releases in compliance with Table 2 flows.

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

LSYR Steelhead Monitoring Elements:

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

Spill Ramp-down / Stranding Surveys: As USBR adjusts dam releases from the WY2024 spill in compliance with WRO 2019-0148 Table 2 flow requirements at Alisal Bridge and

Highway 154 Bridge, surveys have been conducted by COMB-FD staff to look for stranded fish or mortalities during spill ramp-down as the river flows recede into the lower flow channels. Observations are immediately provided to USBR. Flow cuts occurred on 7/25/24 (3 cfs) and 8/1/24 (2 cfs), followed by a flow increase on 8/8/24 (2 cfs).

Snorkel surveys: Snorkel surveys for *O. mykiss* and non-native fish in the LSYR mainstem and tributaries are conducted two times a year. The first Snorkel Survey has been completed and the second will be started in September. The results are presented in the annual monitoring report.

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

Multiple moderate rainfall events in late March and April were sufficient to continue the spill specifically on 3/29/24, 4/4/24, and 4/13/24. Dam releases in July varied from approximately 38 cfs to approximately 34 cfs at the end of the month.

The minimum target flow of 2 cfs to Hilton Creek was met throughout June with HCWS gravity flow to the URP and a small amount to the LRP (approximately 7 cfs) and upper basin flows (approximately 0.1 cfs since the end of July) for a total of approximately 6 cfs throughout July as recorded by the USGS at the LRP that includes upper basin flows (often the USGS and USBR discharge readings do not match).

Bradbury Dam releases have been keeping river flows at the Highway 154 Bridge and the Alisal Bridge well above Table 2 compliance flows (10 cfs as of 6/30/24). Target flows at the Highway 154 Bridge and Alisal Bridge were being met as recorded by the USGS at each site. The USGS recorded flows of approximately 35 cfs and 29 cfs throughout July, respectively. The USGS stream gage at the Highway154 Bridge is operating as designed and contracted. This is a low flow gage that continually records stage but only records river discharges up to 65 cfs. USBR continues to work with the State Board to modify Term 18 and Term 25 to officially move the target flow compliance point to the new USGS gage site.

Tributary Project Updates:

Staff continue to work on 5 focused fish passage and habitat enhancement projects (4 on Quiota Creek and 1 on El Jaro Creek). All permit applications are in process.

State Water Board Order WR 2019-0148:

The following tasks were completed as requested by Reclamation for their required compliance with the Order WR (WRO) 2019-0148.

Terms 18 and 25 (improved discharge monitoring at the Highway 154 compliance point): In 2022, COMB worked with and then contracted the USGS to install a new stream gaging station just upstream of the Highway 154 Bridge on the Lower Santa Ynez River. The site was completed and activated on 10/1/22 and has been performing as designed and contracted since. Reclamation is in the process of obtaining State Board approval for transferring that compliance point.

Term 19 (monitoring effectiveness of Table 2 flows): In 2023, Reclamation asked COMB staff to facilitate and work with CCRB and the downstream interests to draft the initial Term 19 Study Plan framework to evaluate the benefits to the downstream fishery from Table 2

flows. Field observations and gained knowledge during the 2023 dry season led to a revised Term 19 Study Plan which is being reviewed by the collective group.

Term 24(a) (fish passage around Bradbury Dam): Reclamation has scheduled a weeklong Value Planning Study session in September to discuss the feasibility for fish passage around Bradbury Dam. COMB staff have been requested by Reclamation to participate given our knowledge of the fishery and the Santa Ynez River watershed, plus our participation in previous investigations of similar objectives.

Term 27 (annual reporting): The WY2023 Annual Monitoring Report was completed and submitted to Reclamation on 6/27/24. This report documents the results of the annual monitoring effort and serves as the required compliance reporting for the 2000 Cachuma Project Biological Opinion and supports Reclamation's required Annual Report for Term 27 of the WRO 2019-0148.

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

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

- The 1/9/23 storm damaged the HCWS pumping barge and all the electrical systems on that barge were submerged and now need to be replaced. The anchoring cables had to be cut by Reclamation to right that barge that is now holding position by the attached submerged delivery pipeline (both in and out). Lake water is currently flowing by gravity from the Intake Barge to Hilton Creek and will continue to do so for the unforeseen future given that the lake is full.
- The HCEBS floating pipeline across the Stilling Basin was disconnected on the north side by USBR on 2/7/23 just prior to exercising all four of the spillway gates on 2/8/23. During the 2/25/23 spill event, that floating pipeline moved to the south bank and is now out of harm's way from the current spill event. It has not been determined if the pipeline got damaged upon moving to its current location.
- No further actions or repairs have been scheduled.

Bradbury Dam Operations and Repairs:

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

- On 4/11/23 and 4/12/23, Reclamation closed the Slide Gate on the Bradbury Dam Penstock to the Outlet Works and successfully replaced the stuck 30-inch valve with a blind flange then reopened the Slide Gate.
- During the week of 8/21/23, Reclamation replaced all the Bradbury Dam radial gate lifting motors to return them to full operational condition. Testing of the new motors will happen at a future date.

- On 11/10/23, Reclamation successfully completed reinstalling the refurbished 30-inch Outlet Works valve and testing of the lifting motors of the Bradbury Dam radial gates. All equipment was completely removed by 11/14/23. There was no impact to the downstream fishery during the operation.
- No further actions or repairs have been scheduled.

Surcharge Water Accounting:

The following table summarizes the amount of surcharge water (defined as the amount of storage added to the lake by installing the flashboards to the top of the four radial gates to take the maximum lake elevation from 750 ft to 753 ft) used to date from each of the three accounts (Fish Passage Supplementation, Adaptive Management, and Fish Rearing) plus Unallocated Project Water at the end of last month (Table 1). All numbers are from the USBR’s Daily Operations Report. The start time for the use of the Surcharge Water Accounts and Project Yield is the day following the last day of full surcharge and the end of the last spill event (the official end date for the WY2024 spill has been declared on 6/21/24 by USBR). With the magnitude of the WY2024 spill, all Surcharge Water Accounts were once again full and debiting started on 6/22/24 as reflected in Table 1 using the 2021 bathymetric survey values.

Table 1: Summary of the surcharge water accounting and use of Project Yield as of 7/31/24, using the 2021 bathymetric survey data.

Accounts*	Allocation	Amount Used**	Amount Remaining
Units:	(acre-feet)	(acre-feet)	(acre-feet)
Fish Passage Supplementation			
WY2023	3,200	0	3,200
Adaptive Management	500	0	500
Fish Rearing***	5,527	2,978	2,549
Unallocated Project Water		0	-
Total:	9,227	2,978	6,249
* Originally was 9,200 af, 8,942 af in 2008, 9,184 af in 2013, and 9,227 af in 2021.			
** Values as of 7/31/24.			
*** This water is for meeting required target flows. This is not an official account and is what remains after subtracting the other two accounts.			

Reporting / Outreach / Training:

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

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

Consultant Activity Summary:

HDR Fisheries Design Center (Mike Garello and Shaun Bevan) – HDR has been assisting with needed documentation for permit applications. This included revisions of the Technical Memo and designs.

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

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	August 26, 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 August 2023 to the present (8/1/23 – 8/26/24, Table 1). Labor and expenses as well as water usage for the entire fiscal year (July 2024 - June 2025) 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 2023 Annual Report with the annual inventory and Fiscal Year 2023-24 financials was completed and reviewed by the Lake Cachuma Oak Tree Committee on 7/25/24 and provided to the COMB Board on 8/26/24 that recommended going forward with only maintaining the currently planted oak trees.

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

	Aug 2023	Sept 2023	Oct 2023	Nov 2023	Dec 2023 ¹	Jan 2024 ¹	Feb 2024 ¹	Mar 2024 ¹	April 2024 ¹	May 2024 ¹	June 2024	July 2024	Aug 2024
Year 13 Oaks (2021-2022)	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated						Irrigated	Irrigated	Irrigated
	Weeded	Weeded	Weeded	Weeded	Watered			Weeded	Weeded	Weeded	Weeded	Weeded	Weeded
		Repair											
Year 12 Oaks (2020-2021)	Irrigated	Irrigated	Irrigated		Irrigated						Irrigated	Irrigated	Irrigated
	Weeded	Weeded	Weeded		Watered						Weeded	Weeded	Weeded
Year 11 Oaks (2019-2020)	Irrigated		Irrigated	Irrigated									
	Weeded		Weeded	Weeded									
Year 10 Oaks (2018-2019)													
Year 9 Oaks (2016-2017)													
Year 8 Oaks (2015-2016)													
Year 7 Oaks (2014-2015)													

¹Oak tree inventory.

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

SPECIFIC TASKS

Tree Irrigating/Weeding

The soil moisture index has reached the “Dry” category in the Santa Ynez Valley with the Santa Barbara Flood County Flood Control District recently measuring Antecedent Indexes of 11.3-11.5 (9.1 and above = Dry). Beginning the first week of June, COMB-FD staff commenced dry season watering (and weeding),

starting with the most recent age class of oak trees (Year 13). Year 12 trees are also being irrigated and weeded this month.

Tree Planting

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

Annual Inventory

The 2023 Annual Inventory of all year classes has been completed and has been 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 7/25/24 to review the draft 2023 Annual Inventory with Fiscal Year 2023-24 financials. The Committee made the recommendation to continue maintenance on the most recent trees only.

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

(All in rounded Acre Feet)

CACHUMA PROJECT		
WATER PRODUCTION:	MONTH	WYTD
Cachuma Lake (Tec. Diversion)	1,613.4	12,438.4
Tecolote Tunnel Infiltration	81.6	983.0
Cachuma Lake (County Park)	2.7	15.4
Subtotal - Water Production	1,697.7	13,436.9
WATER DELIVERIES:		
State Water Diversion	47.3	249.0
Cachuma Diversion	1,579.3	12,883.7
Storage gain/(loss) ⁽²⁾	(19.6)	31.0
Subtotal - Water Deliveries	1,607.0	13,163.7
Total Water Production	1,697.7	13,436.9
Total Water Deliveries	1,607.0	13,163.7
Difference = Apparent Water Loss	90.7	273.2
% Apparent Water Loss	5.34%	2.03%

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)					273.2
Total AWL Incurred (WYTD)					273.2

CACHUMA PROJECT WATER CHARGE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
CURRENT MONTH						
Water Usage						
M&I	906.6	117.4	191.5	65.9	2.7	1,284.2
Agricultural	210.5	0.0	16.5	78.3	N/A	305.3
Subtotal Project Water Use	1,117.1	117.4	208.0	144.2	2.7	1,589.4
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss ⁽⁴⁾	0.0	0.0	0.0	0.0	0.0	0.0
Total Project Water Charge	1,117.1	117.4	208.0	144.2	2.7	1,589.4
WATER YEAR-TO-DATE						
Water Usage						
M&I	6,931.5	1,885.2	658.8	1,073.7	15.4	10,564.7
Agricultural	1,285.2	0.0	53.5	990.5	N/A	2,329.2
Subtotal Project Water Use	8,216.7	1,885.2	712.3	2,064.2	15.4	12,893.9
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss ⁽⁴⁾	83.0	128.8	32.9	27.0	36.7	308.4
Total Project Water Charge (*)	8,299.8	2,014.0	745.2	2,091.2	52.1	13,202.3

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

(All in rounded Acre Feet)

CACHUMA PROJECT WATER BALANCE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
Project Water Carryover - 10/1/2023	6,514.3	7,932.7	2,076.1	2,110.2	2,155.3	20,788.6
(-) Project Water Charge (WYTD)	3,720.5	1,355.6	276.3	1,107.7	42.8	6,502.9
Carryover Available Before Adjustments	2,793.8	6,577.1	1,799.8	1,002.5	2,112.5	14,285.7
Adjustments to Carryover (WYTD)						
State Water Exchange ⁽⁵⁾	0.0	0.0	0.0	0.0	0.0	0.0
Surplus ⁽⁶⁾	516.5	321.9	4.4	102.8	6.7	952.2
Carryover Spilled ⁽⁷⁾	(3,310.3)	(6,899.0)	(1,804.2)	(1,105.2)	(2,119.2)	(15,237.8)
Balance Project Water Carryover	0.0	0.0	0.0	0.0	0.0	0.0
Current Year Allocation ⁽⁸⁾	9,322.0	8,277.0	2,651.0	2,813.0	2,651.0	25,714.0
(-) Balance of Project Water Charge (WYTD)	4,579.3	658.4	468.9	983.5	9.4	6,699.4
Allocation Available Before Adjustments	4,742.7	7,618.6	2,182.1	1,829.5	2,641.6	19,014.6
Adjustments to Allocation (WYTD)						
State Water Exchange ⁽⁵⁾	413.0	277.0	277.0	183.0	(1,150.0)	0.0
Surplus	3,125.3	522.4	222.6	762.3	562.1	5,194.7
Transfers/Adjustment - SB/La Cumbre	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - Bishop Ranch ⁽⁹⁾	100.0	0.0	0.0	0.0	0.0	100.0
Transfers/Adjustment - Juncal Transfer	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - GWD/SB Overlap	0.0	0.0	0.0	0.0	0.0	0.0
Balance Current Year Allocation	8,381.1	8,418.0	2,681.7	2,774.8	2,053.8	24,309.3
Total Cachuma Project Water Available	8,381.1	8,418.0	2,681.7	2,774.8	2,053.8	24,309.3

ACCUMULATED DROUGHT WATER CREDIT (ADWC) BALANCE ⁽¹⁰⁾

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
ADWC Balance - 10/1/2023	0.0	0.0	0.0	0.0	0.0	0.0
(-) ADWC Water Charge (WYTD)	0.0	0.0	0.0	0.0	0.0	0.0
Adjustments to ADWC (WYTD)						
ADWC Spilled	0.0	0.0	0.0	0.0	0.0	0.0
Balance ADWC	0.0	0.0	0.0	0.0	0.0	0.0
Total Cachuma Project + ADWC Available	8,381.1	8,418.0	2,681.7	2,774.8	2,053.8	24,309.3

Footnotes

- (1) Water Year = October 1 through September 30; WYTD = Water Year to Date
- (2) Includes Lauro and Ortega Reservoirs only
- (3) Based on correspondence from Michael Jackson, dated 09/15/17, which revised the approach to the assessment for unaccounted for water loss based on lake conditions
- (4) Per USBR, evaporation is applied to Cachuma Carryover and SWP water through standard contract formula effective April 1, 2017
- (5) Per SWP Exchange Agrmt GWD received 170 AF; City of SB received 114 AF; MWD received 114 AF; and CVWD received 75 AF from ID#1 in July 2024
- (6) Per USBR, surplus water became available to Member Units beginning 2/1/24 and ending 6/21/24 (end of day)
- (7) Spill releases from Bradbury Dam in February 2024 (113,097 AF) reduced SWP and Carryover accounts
- (8) Per USBR, 100% allocation to Member Units, effective 10/1/23
- (9) Transfer per Contract for Exchange Water with Thomas B. Bishop Company and GWD (100 AF)
- (10) ADWC accrual for WY 2023 and WY 2024 is pending Reclamation determination
- (11) Memo only - State Water Deliveries to Lake Cachuma for July 2024 was 60 AF
- (12) Memo only - MWD has received 117.38 AF under the City of SB / MWD WSA ("Desal") for this Contract Year (July 1 - June 30)

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				
2023																																								
Bal. Frwd						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	16	21	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	40	(37)	0	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				
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				
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				
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				
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				
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	111	49	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	38	83	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	77	62	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	58	59	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	70	49	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	370	363	1	-37	52	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

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	
2024																																					
Bal. Frwd						0						0						0											52			0			0		
January	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	3	0	72	0	0	0	2	2	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	3	(68)	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		
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		
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		
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		
July	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	47	0	13	0	0	0	0	0	0		
August																																					
September																																					
October																																					
November																																					
December																																					
Total	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	54	0	-68	13	0	0	0	2	2	0		

(*) Adj / Notes:

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

Spill releases from Bradbury Dam in February 2024 (approximately 113,097 AF) reduced SWP accounts

LCMWC deliveries to South Coast adjusted February 2024 from 13.46 AF to 3.40 AF per Overlap Report revision

Total SC Storage at month end (AF): 0

Total Storage at month end (AF): 13

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 7/31/2024

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

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation				Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
756.2	244.7	1,000.9	36.9	1,000.9	1,037.9	778.1	259.8	-	-	-
642.3	185.0	827.3	21.3	827.3	848.6	654.3	194.3	-	-	-
549.0	136.8	685.8	9.8	685.8	695.6	554.1	141.5	-	-	-
586.8	27.6	614.4	7.6	614.4	622.0	590.4	31.6	-	-	-
478.1	31.0	509.1	7.4	509.1	516.5	480.9	35.5	-	-	-
660.5	22.3	682.8	-	-	-	-	-	660.5	22.3	682.8
643.8	35.6	679.4	-	-	-	-	-	643.8	35.6	679.4
821.3	155.9	977.1	-	-	-	-	-	821.3	155.9	977.1
887.0	235.8	1,122.8	-	-	-	-	-	887.0	235.8	1,122.8
906.6	210.5	1,117.1	-	-	-	-	-	906.6	210.5	1,117.1
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,931.5	1,285.2	8,216.7	83.0	3,637.5	3,720.5	3,057.8	662.7	3,919.2	660.0	4,579.3

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	6,514.3	3,860.8	2,653.5	6,644.0	2,678.0	9,322.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	Surplus, Spill ⁽¹⁾	(2,793.8)	(803.0)	(1,990.8)	-	-
Mar	Surplus (+682.8AF)	-	-	660.5	22.3	682.8
Apr	Surplus, ID#1 Exch, Bishop Ranch ⁽²⁾	-	-	754.1	38.3	792.4
May	Surplus (+977.1AF) + ID#1 Exch (+85AF)	-	-	876.5	185.6	1,062.1
Jun	Surplus (+785.9AF) + ID#1 Exch (+145AF)	-	-	702.1	228.8	930.9
Jul	ID#1 Exch (+170AF)	-	-	93.5	76.5	170.0
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	5,476.4	3,082.7	2,393.7	6,644.0	2,678.0	9,322.0
Nov	4,627.8	2,428.4	2,199.4	6,644.0	2,678.0	9,322.0
Dec	3,932.2	1,874.3	2,057.9	6,644.0	2,678.0	9,322.0
Jan	3,310.3	1,283.9	2,026.3	6,644.0	2,678.0	9,322.0
Feb	-	-	-	6,644.0	2,678.0	9,322.0
Mar	-	-	-	6,644.0	2,678.0	9,322.0
Apr	-	-	-	6,754.3	2,680.7	9,435.0
May	-	-	-	6,809.5	2,710.5	9,520.0
Jun	-	-	-	6,624.6	2,703.5	9,328.2
Jul	-	-	-	5,811.5	2,569.6	8,381.1
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 8,381.1

Footnotes

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

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

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

Contract Entity: **City of Santa Barbara**
 Update by COMB 7/31/2024

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

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation				Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	-----	M & I	-----	Total
45.5	-	45.5	48.6	45.5	94.0	94.0	-	-	-	-
273.6	-	273.6	32.4	273.6	306.1	306.1	-	-	-	-
401.1	-	401.1	16.8	401.1	417.9	417.9	-	-	-	-
201.0	-	201.0	14.7	201.0	215.7	215.7	-	-	-	-
305.6	-	305.6	16.3	305.6	321.9	321.9	-	-	-	-
177.5	-	177.5	-	-	-	-	-	177.5	-	177.5
144.4	-	144.4	-	-	-	-	-	144.4	-	144.4
157.0	-	157.0	-	-	-	-	-	157.0	-	157.0
62.1	-	62.1	-	-	-	-	-	62.1	-	62.1
117.4	-	117.4	-	-	-	-	-	117.4	-	117.4
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,885.2	-	1,885.2	128.8	1,226.8	1,355.6	1,355.6	-	658.4	-	658.4

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Total	Allocation	
		M & I	-----		M & I	-----
Begin Bal	7,932.7	7,932.7	-	8,277.0	-	8,277.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	Surplus, Spill ⁽¹⁾	(6,577.1)	(6,577.1)	-	-	-
Mar	Surplus (+177.5AF)	-	-	177.5	-	177.5
Apr	Surplus (+144.4AF) + ID#1 Exch (+9AF)	-	-	153.4	-	153.4
May	Surplus (+157.0AF) + ID#1 Exch (+57AF)	-	-	214.0	-	214.0
Jun	Surplus (+43.5AF) + ID#1 Exch (+97AF)	-	-	140.5	-	140.5
Jul	ID#1 Exch (+114AF)	-	-	114.0	-	114.0
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Total	Allocation	
		M & I	-----		M & I	-----
Oct	7,838.7	7,838.7	-	8,277.0	-	8,277.0
Nov	7,532.6	7,532.6	-	8,277.0	-	8,277.0
Dec	7,114.7	7,114.7	-	8,277.0	-	8,277.0
Jan	6,899.0	6,899.0	-	8,277.0	-	8,277.0
Feb	-	-	-	8,277.0	-	8,277.0
Mar	-	-	-	8,277.0	-	8,277.0
Apr	-	-	-	8,286.0	-	8,286.0
May	-	-	-	8,343.0	-	8,343.0
Jun	-	-	-	8,421.4	-	8,421.4
Jul	-	-	-	8,418.0	-	8,418.0
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 8,418.0

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

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

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

Contract Entity: **Montecito Water District**
 Update by COMB 7/31/2024

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

TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED		
Acre-feet			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	Total
97.7	15.9	113.7	12.4	113.7	126.1	107.8	18.2	-
66.9	4.7	71.6	8.1	71.6	79.7	73.4	6.3	-
22.5	1.8	24.3	4.3	24.3	28.6	26.0	2.6	-
33.0	0.7	33.7	3.8	33.7	37.6	36.1	1.5	-
-	-	-	4.4	-	4.4	4.3	0.1	-
36.8	0.8	37.6	-	-	-	-	-	37.6
-	-	-	-	-	-	-	-	-
90.7	4.9	95.6	-	-	-	-	-	95.6
119.6	8.1	127.7	-	-	-	-	-	127.7
191.5	16.5	208.0	-	-	-	-	-	208.0
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
658.8	53.5	712.3	32.9	243.4	276.3	247.6	28.6	468.9

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	2,076.1	1,690.3	385.8	2,244.0	407.0	2,651.0
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	Surplus, Spill ⁽¹⁾	(1,799.8)	(357.2)	-	-	-
Mar	Surplus (+37.6AF)	-	-	36.8	0.8	37.6
Apr	ID#1 Exch (+9AF)	-	-	7.1	1.9	9.0
May	Surplus (+95.6AF) + ID#1 Exch (+57AF)	-	-	127.8	24.8	152.6
Jun	Surplus (+89.4AF) + ID#1 Exch (+97AF)	-	-	138.0	48.4	186.4
Jul	ID#1 Exch (+114AF)	-	-	62.7	51.3	114.0
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	1,950.0	1,582.5	367.6	2,244.0	407.0	2,651.0
Nov	1,870.3	1,509.0	361.3	2,244.0	407.0	2,651.0
Dec	1,841.8	1,483.1	358.7	2,244.0	407.0	2,651.0
Jan	1,804.2	1,447.0	357.2	2,244.0	407.0	2,651.0
Feb	-	-	-	2,244.0	407.0	2,651.0
Mar	-	-	-	2,244.0	407.0	2,651.0
Apr	-	-	-	2,251.1	408.9	2,660.0
May	-	-	-	2,288.2	428.8	2,717.0
Jun	-	-	-	2,306.6	469.1	2,775.7
Jul	-	-	-	2,177.8	503.9	2,681.7
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 2,681.7

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

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

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

Contract Entity: **Santa Ynez River Water Conservation District, ID#1**
 Update by COMB 7/31/2024

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

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation				Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
1.3	-	1.3	13.2	1.3	14.5	8.1	6.4	-	-	-
1.3	-	1.3	9.0	1.3	10.3	5.9	4.4	-	-	-
0.9	-	0.9	4.9	0.9	5.8	3.4	2.4	-	-	-
1.0	-	1.0	4.4	1.0	5.5	3.3	2.2	-	-	-
1.5	-	1.5	5.1	1.5	6.7	4.2	2.5	-	-	-
1.4	-	1.4	-	-	-	-	-	1.4	-	1.4
1.3	-	1.3	-	-	-	-	-	1.3	-	1.3
1.9	-	1.9	-	-	-	-	-	1.9	-	1.9
2.0	-	2.0	-	-	-	-	-	2.0	-	2.0
2.7	-	2.7	-	-	-	-	-	2.7	-	2.7
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
15.4	-	15.4	36.7	6.1	42.8	24.9	17.9	9.4	-	9.4

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	2,155.3	1,105.6	1,049.7	935.0	1,716.0	2,651.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	Surplus, Spill ⁽¹⁾	(2,112.5)	(1,080.7)	(1,031.8)	-	-
Mar	Surplus (+1.4AF)	-	-	1.4	-	1.4
Apr	Surplus (+38.3AF) + ID#1 Exch (-37AF)	-	-	1.3	-	1.3
May	Surplus (+238.9AF) + ID#1 Exch (-237AF)	-	-	1.9	-	1.9
Jun	Surplus (+283.5AF) + ID#1 Exch (-403AF)	-	-	(66.3)	(53.2)	(119.5)
Jul	ID#1 Exch (-473AF)	-	-	(260.2)	(212.9)	(473.0)
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	County Parks Usage (AF)	Total	Allocation		Allocation		Total
			M & I	Agr	M & I	Agr	
Oct	1.3	2,140.8	1,097.5	1,043.3	935.0	1,716.0	2,651.0
Nov	1.3	2,130.4	1,091.6	1,038.9	935.0	1,716.0	2,651.0
Dec	0.9	2,124.7	1,088.2	1,036.5	935.0	1,716.0	2,651.0
Jan	1.0	2,119.2	1,084.9	1,034.3	935.0	1,716.0	2,651.0
Feb	1.5	-	-	-	935.0	1,716.0	2,651.0
Mar	1.4	-	-	-	935.0	1,716.0	2,651.0
Apr	1.3	-	-	-	935.0	1,716.0	2,651.0
May	1.9	-	-	-	935.0	1,716.0	2,651.0
Jun	2.0	-	-	-	866.7	1,662.8	2,529.5
Jul	2.7	-	-	-	603.8	1,450.0	2,053.8
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 2,053.8

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

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

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

Contract Entity: **Santa Barbara Co. Water Agency**
 Update by COMB 7/31/2024

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr	TOTAL WATER USED				WATER USE CHARGED					WATER USE CHARGED		
			Acre-feet				Allocation					Allocation		
			Use %	M & I	Agr	Total	Evap	Div	Total	M & I	Agr	M & I	Agr	Total
Oct	20,788.6	25,714.0	0.0	1,041.6	442.3	1,483.9	123.0	1,483.9	1,606.9	1,135.2	471.7	-	-	-
Nov	-	-	0.0	1,114.4	348.4	1,462.8	77.7	1,462.8	1,540.5	1,173.7	366.8	-	-	-
Dec	-	-	0.0	1,085.5	250.5	1,336.0	38.9	1,336.0	1,375.0	1,115.1	259.8	-	-	-
Jan	-	-	0.0	915.4	80.0	995.4	33.0	995.4	1,028.4	940.4	87.9	-	-	-
Feb	-	-	0.0	851.7	64.7	916.4	35.8	916.4	952.2	879.2	73.0	-	-	-
Mar	-	-	0.0	977.6	86.1	1,063.7	-	-	-	-	-	977.6	86.1	1,063.7
Apr	-	-	0.0	890.3	93.7	983.9	-	-	-	-	-	890.3	93.7	983.9
May	-	-	0.0	1,210.2	281.0	1,491.2	-	-	-	-	-	1,210.2	281.0	1,491.2
Jun	-	-	0.0	1,193.9	377.2	1,571.1	-	-	-	-	-	1,193.9	377.2	1,571.1
Jul	-	-	0.0	1,284.2	305.3	1,589.4	-	-	-	-	-	1,284.2	305.3	1,589.4
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	20,788.6	25,714.0	0.3	10,564.7	2,329.2	12,893.9	308.4	6,194.5	6,502.9	5,243.6	1,259.3	5,556.2	1,143.2	6,699.4

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	20,788.6	15,692.8	5,095.8	19,506.5	6,207.5	25,714.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	Surplus, Spill ⁽¹⁾	(14,285.7)	(10,449.2)	(3,836.5)	-	-
Mar	Surplus (+1,063.7AF)	-	-	977.6	86.1	1,063.7
Apr	Surplus, Bishop Ranch ⁽²⁾	-	-	1,021.4	99.5	1,120.9
May	Surplus (+1,728.2AF)	-	-	1,384.2	344.0	1,728.2
Jun	Surplus (+1,381.9AF)	-	-	1,036.4	345.5	1,381.9
Jul	-	-	-	51.3	(51.3)	-
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	1.0	15,237.8	11,328.4	3,909.5	19,506.5	6,207.5	25,714.0
Feb	1.5	-	-	-	19,506.5	6,207.5	25,714.0
Mar	1.4	-	-	-	19,506.5	6,207.5	25,714.0
Apr	1.3	-	-	-	19,637.6	6,213.4	25,851.0
May	1.9	-	-	-	19,811.6	6,276.4	26,088.0
Jun	2.0	-	-	-	19,654.1	6,244.7	25,898.8
Jul	2.7	-	-	-	18,421.2	5,888.1	24,309.3
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 24,309.3

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



August 2024

Day ¹	Lake Cachuma				Rainfall		Evaporation ³		CCWA Inflow	Release					Computed Inflow ⁵	
	Elevation	Storage ²	Change in Storage	Surface Area						Park Use	Tunnel	Hilton Creek	WR 89-18	Outlet ⁴		Spillway
SHEF Tag→	HL	LS	LC		PP	PPAF	EV	EVAF	QICWA		QUTEC	QUHIL	QUWATR	QU	QS	QI
	ft	acre-feet	acre-feet	acres	inches	acre-feet	inches	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet
31	752.06	190,056														
1	752.00	189,870	(186.5)	3,091.6	-	-	0.290	60.52	-	-	68.06	14.08	-	54.00	-	10.16
2	751.95	189,716	(153.8)	3,090.0	-	-	0.190	39.63	-	-	62.22	14.05	-	50.00	-	12.11
3	751.90	189,562	(153.8)	3,088.5	-	-	0.410	85.47	-	-	62.98	14.03	-	49.00	-	57.70
4	751.85	189,409	(153.8)	3,086.9	-	-	0.300	62.51	-	-	66.43	13.99	-	49.00	-	38.14
5	751.79	189,224	(184.5)	3,085.0	-	-	0.190	39.56	-	-	64.09	14.06	-	50.00	-	(16.84)
6	751.74	189,070	(153.8)	3,083.4	-	-	0.370	77.01	-	-	58.14	14.00	-	50.00	-	45.36
7	751.69	188,916	(153.8)	3,081.8	-	-	0.360	74.89	-	-	56.99	14.02	-	49.00	-	41.11
8	751.64	188,763	(153.8)	3,080.2	-	-	0.320	66.53	-	-	55.12	14.01	-	50.00	-	31.88
9	751.58	188,578	(184.5)	3,078.3	-	-	0.310	64.41	-	-	55.79	13.98	-	55.00	-	4.64
10	751.52	188,394	(184.5)	3,076.5	-	-	0.280	58.14	-	-	56.03	13.99	-	54.00	-	(2.38)
11	751.47	188,240	(153.8)	3,074.9	-	-	0.300	62.27	-	-	56.42	13.98	-	54.00	-	32.87
12	751.41	188,055	(184.5)	3,073.0	-	-	0.370	76.75	-	-	54.07	13.97	-	55.00	-	15.24
13	751.35	187,871	(184.5)	3,071.1	-	-	0.170	35.24	-	-	56.23	13.98	-	54.00	-	(25.10)
14	751.30	187,717	(153.8)	3,069.5	-	-	0.390	80.80	-	-	55.41	13.97	-	54.00	-	50.39
15	751.24	187,532	(184.5)	3,067.6	-	-	0.270	55.91	-	-	58.96	13.92	-	54.00	-	(1.76)
16	751.18	187,348	(184.5)	3,065.7	-	-	0.290	60.01	-	-	63.84	13.93	-	54.00	-	7.24
17	751.12	187,163	(184.5)	3,063.8	-	-	0.310	64.11	-	-	59.63	13.95	-	54.00	-	7.14
18	751.05	186,948	(215.3)	3,061.6	-	-	0.250	51.66	-	-	61.83	13.98	-	54.00	-	(33.83)
19	751.00	186,794	(153.8)	3,060.0	-	-	0.280	57.83	-	-	60.97	13.91	-	54.00	-	32.92
20	750.95	186,642	(152.2)	3,058.3	-	-	0.260	53.67	10.33	-	59.96	13.91	-	54.00	-	19.06
21	750.90	186,490	(152.2)	3,056.7	-	-	0.340	70.15	11.09	-	62.98	13.91	-	54.00	-	37.79
22	750.84	186,307	(182.6)	3,054.7	-	-	0.260	53.61	11.08	-	61.45	13.89	-	48.00	-	(16.73)
Total			(3,749.24)		-	-	6.510	1,350.70	32.50	-	1,317.62	307.51	-	1,153.00	-	347.09
Minimum	750.84	186,307	(215.31)	3,054.66	-	-	0.170	35.24	-	-	54.07	13.89	-	48.00	-	(33.83)
Average	751.43	188,119	(170.42)	3,073.59	-	-	0.296	61.40	1.48	-	59.89	13.98	-	52.41	-	15.78
Maximum	752.00	189,870	(152.16)	3,091.62	-	-	0.410	85.47	11.09	-	68.06	14.08	-	55.00	-	57.70

Comments

1. Data based on 24-hour period ending 0800
2. Storage volume based on 2021 bathymetric survey.
3. Evaporation in inches is the measured pan evaporation. Calculated evaporation in acre feet uses the August pan factor: 81%
4. Indicated outlet release includes any leakage around gates.
5. Computed inflow is the sum of change in storage, releases, and evaporation minus precip on the reservoir surface and CCWA inflow.



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



Cachuma Lake Recreation Area Launch Data – July 2024		
Inspection Data		
Total Vessels Entering Park	720	
Total Vessels Launched	705	
Total Vessels Quarantined	15	
Returning (Tagged) Boats Launched	551	78%
Kayak/Canoe: Inspected, launched	154	22%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
Quarantine Data		
Total Vessels Quarantined	15	
Quarantined 14 days	*	
Quarantined 30 days	15	
Quarantine Cause		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	4	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	15	
Demographic Data		
Quarantined from infected county	4	
Quarantined from SB County	11	
Quarantined from uninfected co	0	

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

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

* These conditions are no longer being tracked.

EARLY DETECTION MONITORING PROGRAM SUMMARY

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

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

Plankton Tow Inspection Dates: 2024.07.04, 2024.07.18

Artificial Substrate & Surface Survey Date: 2024.07.28, 2024.07.18

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

Surveyors: COSB, Parks Division – JP Sekulich

Lake elevation: Max feet: 753.00, current 752.06; Max acre-feet: 192,978, current: 190,057;

Capacity: 98% At of the end of the survey month.