



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

**Monday, October 23, 2023
1:00 P.M.**

HOW TO OBSERVE THE MEETING

Join by Teleconference or Attend in Person

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

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

Join via Video Conference

<https://us02web.zoom.us/j/86423779535?pwd=OXhocTNwak1QOCsvL2E4TIQ0REYwZz09>

Passcode: 372248

Join via Teleconference

US +1 669 900 6833 Webinar ID: 864 2377 9535 Passcode: 372248

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, October 23, 2023

1:00 PM

AGENDA

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

- 1. CALL TO ORDER, ROLL CALL**
- 2. PUBLIC COMMENT** *(Public may address the Board on any subject matter within the Board's jurisdiction. See "Notice to the Public" below.)*
- 3. CONSENT AGENDA** *(All items on the Consent Agenda are considered to be routine and will be approved or rejected in a single motion. Any item placed on the Consent Agenda may be removed and placed on the Regular Agenda for discussion and possible action upon the request of any Board Member.)*
Action: Recommend Approval of Consent Agenda by motion and roll call vote of the Board
 - a. Minutes of September 25, 2023 Regular Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Review of Paid Claims
- 4. VERBAL REPORTS FROM BOARD COMMITTEES**
Receive verbal information regarding the following committee meetings:
 - Fisheries Committee Meeting – October 17, 2023
- 5. CACHUMA PROJECT MASTER CONTRACT RENEWAL FUND AND WARREN ACT TRUST FUND – LONG-TERM AND ANNUAL PLAN / SANTA BARBARA COUNTY BETTERMENT FUND**
Action: Recommend approval by motion and roll call vote of the Board
- 6. GENERAL MANAGER REPORT**
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
 - Administration
 - Staff Training
- 7. ENGINEER'S REPORT**
Receive information from the COMB Engineer, including but not limited to the following:
 - Climate Conditions
 - Lake Elevation Projection
 - South Coast Conduit GIS Mapping
 - Winter Storm Preparation
 - Infrastructure Improvement Projects

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8. OPERATIONS DIVISION REPORT

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

- Lake Cachuma Operations
- Operation and Maintenance Activities

9. FISHERIES DIVISION REPORT

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

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

10. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

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

- Maintenance and Monitoring

11. MONTHLY CACHUMA PROJECT REPORTS

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

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

12. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

13. MEETING SCHEDULE

- **Regular Board Meeting – November 13, 2023 at 1:00 PM**
- **Board Packages available on COMB website www.cachuma-board.org**
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14. COMB ADJOURNMENT

NOTICE TO PUBLIC

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

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

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

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

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

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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, September 25, 2023
1:00 PM**

MINUTES

1. CALL TO ORDER, ROLL CALL

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

Directors Present:

Polly Holcombe, Carpinteria Valley Water District
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
Edward Lyons, Administrative Manager/CFO
Joel Degner, Engineer/Operations Division Manager
Timothy Robinson, Fisheries Division Manager

Shane King, Ops Supervisor, Chief Distrib
Operator
Elijah Papen, Senior Program Analyst
Dorothy Turner, Administrative Assistant II

Others Present:

Dakota Corey, City of Santa Barbara
Nicolas Turner, Montecito Water District

Matt Young, COSB Water Agency

2. PUBLIC COMMENT

There was no public comment.

3. CONSENT AGENDA

- a. Minutes of July 24, 2023 Regular Board Meeting
- b. Minutes of August 28, 2023 Regular Board Meeting
- c. Investment of Funds
 - Financial Reports
 - Investment Reports
- d. Review of Paid Claims

Ms. Gingras presented the Consent Agenda, noting that items 3.a and 3.b. would be divided into two motions. She asked Mr. Lyons to comment on the financial reports. Mr. Lyons reviewed revenues received and provided explanation for various paid claims, including final payments for the Secured Pipeline project and remittances to ACWA JPIA, Flowers & Associate and Measurement Solutions.

Director Hanson motioned to approve item 3.a. followed by a second from Director Sneddon. The motion carried with a vote of five in favor and one abstaining.

Ayes: Sneddon, Hanson, Holcombe

Nays:

Absent:

Abstain: Hayman

Director Hanson provided a motion to approve item 3.b. which was seconded by Director Sneddon. The motion carried with a vote of five in favor and one abstaining.

Ayes: Sneddon, Hayman, Hanson

Nays:

Absent:

Abstain: Holcombe

Director Hanson motioned to approve items 3.c and 3.d., seconded by Director Sneddon. The motion carried unanimously with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nays:

Absent:

Abstain:

4. VERBAL REPORTS FROM BOARD COMMITTEES

- Administrative Committee Meeting – September 12, 2023
- Lake Cachuma Oak Tree Committee Meeting – September 14, 2023

President Holcombe reported out from the Administrative committee, noting that the items discussed were contained within this agenda and are forwarded with the committee's recommendation to approve or receive and file, as appropriate.

Director Hayman reported that the Oak Tree committee discussed the annual Oak Tree report and now forwards the report to the Board, recommending that it be received and filed.

5. RESOLUTION NO. 793 – 2nd AMENDATORY CONTRACT NO. 14-06-200-5222RB FOR THE OPERATION AND MAINTENANCE OF THE CACHUMA TRANSFERRED PROJECT WORKS – CACHUMA PROJECT, CALIFORNIA

Ms. Gingras introduced Resolution No. 793 with a summary of the process undertaken to negotiate the second amendatory contract. Noting that the contract would be extended for three years and be co-terminus with the Master Contract, she fielded questions from the Board.

Following a short discussion, Director Hayman provided a motion to execute the Contract and the Resolution. Director Hanson seconded the motion which carried unanimously with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nays:

Absent:

Abstain:

6. UPDATED PERSONNEL POLICY AND EMPLOYEE HANDBOOK

Mr. Lyons presented the updated employee handbook, detailing each change being incorporated. He facilitated discussion among the Board members. The Board received and filed the updated handbook.

7. 2023 STORM DAMAGE – COUNTY-WIDE DEBRIS REMOVAL CONSTRUCTION CONTRACT CHANGE ORDER

Mr. Degner provided an overview of the debris removal project. He highlighted the approved change order and noted that the scope of the change order was beyond that likely allowed by FEMA but supported the need for it, to general consensus from the Board. The change order was received and filed.

8. 2023 STORM DAMAGE - LAURO STILLING WELL DEBRIS REMOVAL CONSTRUCTION CONTRACT CHANGE ORDER

Mr. Degner presented the change order for the stilling well debris removal. He summarized the project, reporting that it was somewhat more complicated and took longer than anticipated which accounted for the additional costs. He noted that COMB was able to handle the confined space work which helped control costs. COMB expects some credits to be applied to the final accounting. Mr. Degner thanked the Fisheries Division for their assistance and fielded questions from the Board.

Director Hayman motioned to approve the change order, followed by a second from Director Hanson. The motion carried unanimously with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nays:

Absent:

Abstain:

9. LAKE CACHUMA OAK TREE RESTORATION PROGRAM ANNUAL REPORT

Mr. Robinson presented the annual Oak Tree report. He outlined the history of the entire project and reported the total number of Oak Trees planted and surviving, a survival rate of just under 80%. Currently inventory contains a buffer of 635 trees above the target number so no more plantings are anticipated. Mr. Robinson and staff will maintain and monitor the existing trees as the program winds down to its 2025 conclusion.

10. GENERAL MANAGER REPORT

- Administration
- U.S. Bureau of Reclamation

Ms. Gingras presented the General Manager's report. She advised that water rates schedules had been received. She noted that all past deficits are now clear and WY 2024 water rates incorporated a small surplus stemming from 2022. Ms. Gingras reported upcoming medical plan rates for the 2024 calendar year. Finally, Ms. Gingras advised that Reclamation is in process to finalize the Bradbury Safety of Dams contract to reflect final costs.

11. ENGINEER'S REPORT

- Climate Conditions
- Lake Elevation Projection

- Winter Storm Preparation
- Infrastructure Improvement Projects

Mr. Degner presented the Engineer's Report, illustrating how wet the year has been by comparing the State's drought monitor, last year over this year. Based upon current data, forecasters are predicting a strong chance of another wet year. Consequently, Mr. Degner and staff are focused on repairing storm damages and preparing facilities and structures to withstand another wet year. Mr. Degner provided lake elevation hydrology scenarios for the next two years and discussed how those scenarios might impact the deployment of the Lake Cachuma and Hilton Creek Water System pumping barges. He provided an update of storm repairs and upcoming projects. Mr. Degner fielded questions from the Board.

12. OPERATIONS DIVISION REPORT

- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. King provided a recap of Operations activities largely focused on mud and debris removal. As well, he reported that Farwest Corrosion Control had performed the annual cathodic protection survey and that Quinn had performed the annual generator load tests. A failed pump at Lauro reservoir is being replaced.

13. FISHERIES DIVISION REPORT

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

Mr. Robinson presented the Fisheries Division Report. He commented that Hilton Creek and the Main Stem were unchanged and target flows were met and exceeded at the measuring points. Reclamation is ramping down the release which will trigger stranding surveys. Mr. Robinson reported that the tributary project preparation was progressing while general monitoring activities were under way. Finally, he provided an update on Reclamation's refurbishment of its 30" valves. He fielded discussion and questions from the Board.

14. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

- Maintenance and Monitoring
- End of Program Plan

Mr. Robinson summarized the Oak Tree report, noting that staff activities included irrigation, weeding and deer cage repairs, as well as some minor repair work at Live Oak Campground.

15. MONTHLY CACHUMA PROJECT REPORTS

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

Ms. Gingras presented the Cachuma Project reports for August noting normal operations as the end of the water year approaches.

16. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

There were no requests from Directors for agenda items.

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

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

The Board adjourned into Closed Session at 2:49 PM.

18. RECONVENE INTO OPEN SESSION

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

- 17a. Potential Litigation: Conference with Legal Counsel

The Board reconvened into Open Session at 3:27 PM. There was no reportable action on item 17.a.

19. MEETING SCHEDULE

- **Regular Board Meeting – October 23, 2023 at 1:00 PM**
- **Board Packages available on COMB website www.cachuma-board.org**

20. COMB ADJOURNMENT

There being no further business, the meeting was adjourned at 3:27 PM.

Respectfully submitted,

Janet Gingras, Secretary of the Board

	<i>Approved</i>
√	<i>Unapproved</i>

APPROVED:

Polly Holcombe, President of the Board

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Cachuma Operation & Maintenance Board

Statement of Net Position

As of September 30, 2023
UNAUDITED FINANCIALS

		September 30, 2023
ASSETS		
Current Assets		
Checking/Savings		
Trust Funds		
1210 · Warren Act Trust Fund	\$	282,898.59
1220 · Renewal Fund		163,316.95
Total Trust Funds	\$	446,215.54
1050 · General Fund		267,795.43
1100 · Revolving Fund		203,194.36
Total Checking/Savings		917,205.33
Accounts Receivable		
1301 · Accounts Receivable		1,570.00
Total Accounts Receivable		1,570.00
Other Current Assets		
1200 · LAIF		1,423,314.97
1010 · Petty Cash		500.00
1311 · Cachuma Entitlement Receivable		42,756.58
1303 · Bradbury SOD Act Assessments Receivable		255,058.87
1304 · Lauro Dam SOD Assessments Receivable		40,209.45
1400 · Prepaid Insurance		12,155.72
Total Other Current Assets		1,773,995.59
Total Current Assets		2,692,770.92
Fixed Assets		
1500 · Vehicles		726,893.50
1505 · Office Furniture & Equipment		248,483.73
1510 · Mobile Offices		424,910.38
1515 · Field Equipment		552,543.06
1520 · Building Improvements		62,263.00
1524 · Infrastructure		4,751,941.69
1550 · Accumulated Depreciation		(1,143,966.94)
Total Fixed Assets		5,623,068.42
Other Assets		
1910 · Long Term Bradbury SOD Act Assessments Receivable		3,608,470.07
1920 · Long Term Lauro SOD Act Assessments Receivable		670,778.85
1922 · Deferred Outflow of Resources (GASB 68)		479,670.00
1923 · Deferred Outflow (GASB 75)		761,719.00
Total Other Assets		5,520,637.92
TOTAL ASSETS	\$	13,836,477.26

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

As of September 30, 2023
UNAUDITED FINANCIALS

September 30, 2023

LIABILITIES & NET POSITION

Liabilities

Current Liabilities

Accounts Payable

2200 · Accounts Payable \$ 34,789.99

Total Accounts Payable 34,789.99

Other Current Liabilities

2505 · Accrued Wages 35,286.11

2550 · Vacation/Sick 254,076.70

2561 · Bradbury Dam SOD Act 228,082.99

2563 · Lauro Dam SOD Act 34,757.91

2565 · Accrued Interest SOD Act 34,659.00

2590 · Deferred Revenue 446,215.54

Total Other Current Liabilities 1,033,078.25

Total Current Liabilities 1,067,868.24

Long Term Liabilities

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

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

2604 · OPEB Long Term Liability 3,357,104.00

2610 · Net Pension Liability (GASB 68) 1,162,437.00

2611 · Deferred Inflow of Resources (GASB 68) 1,102,745.00

2612 · Deferred Inflow of Resources (GASB 75) 1,140,861.00

Total Long Term Liabilities 11,042,385.92

Total Liabilities 12,110,254.16

Net Position

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

3901 · Retained Net Assets 7,220,143.50

Net Surplus / Deficit (197,340.35)

Total Net Position 1,726,223.10

TOTAL LIABILITIES & NET POSITION **\$ 13,836,477.26**

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

	Fisheries				Operations				TOTAL			
	Jul - Sep 23	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Sep 23	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Sep 23	Budget	\$ Over / (Under) Budget	% of Budget
Revenue												
3000 REVENUE												
3001 · O&M Budget (Qtrly Assessments)	\$ 400,266.00	\$ 1,146,671.00	\$ (746,405.00)	34.91%	\$ 764,488.00	\$ 3,782,312.00	\$ (3,017,824.00)	20.21%	\$ 1,164,754.00	\$ 4,928,983.00	\$ (3,764,229.00)	23.63%
3006 · Warren Act	0.00	210,786.00	-210,786.00	0.0%	0.00				0.00	210,786.00	-210,786.00	0.0%
3007 · Renewal Fund	18,568.31	76,456.00	-57,887.69	24.29%	0.00				18,568.31	76,456.00	-57,887.69	24.29%
3020 · Misc Income	0.00				500.00	20,000.00	-19,500.00	2.5%	500.00	20,000.00	-19,500.00	2.5%
3021 · Grant Income	0.00				480.00	0.00	480.00	100.0%	480.00	0.00	480.00	100.0%
3035 · Cachuma Project Betterment Fund	0.00	100,000.00	-100,000.00	0.0%	0.00				0.00	100,000.00	-100,000.00	0.0%
3046 · CVWD Cooperative Agrmnt Funding	0.00				0.00	550,000.00	-550,000.00	0.0%	0.00	550,000.00	-550,000.00	0.0%
3047 · 2023 Winter Storms	0.00				0.00	1,101,563.00	-1,101,563.00	0.0%	0.00	1,101,563.00	-1,101,563.00	0.0%
Total 3000 REVENUE	\$ 418,834.31	\$ 1,533,913.00	\$ (1,115,078.69)	27.31%	\$ 765,468.00	\$ 5,453,875.00	\$ (4,688,407.00)	14.04%	\$ 1,184,302.31	\$ 6,987,788.00	\$ (5,803,485.69)	16.95%
Expense												
3100 · LABOR - OPERATIONS	\$ -	\$ -	\$ -	0.0%	\$ 294,493.67	\$ 1,220,348.00	\$ (925,854.33)	24.13%	\$ 294,493.67	\$ 1,220,348.00	\$ (925,854.33)	24.13%
3200 VEH & EQUIPMENT												
3201 · Vehicle/Equip Mtce	0.00				6,532.50	40,000.00	-33,467.50	16.33%	6,532.50	40,000.00	-33,467.50	16.33%
3202 · Fixed Capital	0.00				0.00	200,000.00	-200,000.00	0.0%	0.00	200,000.00	-200,000.00	0.0%
3203 · Equipment Rental	0.00				0.00	40,000.00	-40,000.00	0.0%	0.00	40,000.00	-40,000.00	0.0%
3204 · Miscellaneous	0.00				0.00	10,000.00	-10,000.00	0.0%	0.00	10,000.00	-10,000.00	0.0%
Total 3200 VEH & EQUIPMENT	0.00				6,532.50	290,000.00	-283,467.50	2.25%	6,532.50	290,000.00	-283,467.50	2.25%
3300 · CONTRACT LABOR												
3301 · Conduit, Meter, Valve & Misc	0.00				2,904.56	35,000.00	-32,095.44	8.3%	2,904.56	35,000.00	-32,095.44	8.3%
3302 · Buildings & Roads	0.00				7,144.25	25,000.00	-17,855.75	28.58%	7,144.25	25,000.00	-17,855.75	28.58%
3303 · Reservoirs	0.00				14,871.88	60,000.00	-45,128.12	24.79%	14,871.88	60,000.00	-45,128.12	24.79%
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				24,920.69	160,000.00	-135,079.31	15.58%	24,920.69	160,000.00	-135,079.31	15.58%
3400 · MATERIALS & SUPPLIES												
3401 · Conduit, Meter, Valve & Misc	0.00				3,051.07	70,000.00	-66,948.93	4.36%	3,051.07	70,000.00	-66,948.93	4.36%
3402 · Buildings & Roads	0.00				0.00	20,000.00	-20,000.00	0.0%	0.00	20,000.00	-20,000.00	0.0%
3403 · Reservoirs	0.00				2,591.32	10,000.00	-7,408.68	25.91%	2,591.32	10,000.00	-7,408.68	25.91%
Total 3400 · MATERIALS & SUPPLIES	0.00				5,642.39	100,000.00	-94,357.61	5.64%	5,642.39	100,000.00	-94,357.61	5.64%
3500 · OTHER EXPENSES												
3501 · Utilities	0.00				1,114.58	7,000.00	-5,885.42	15.92%	1,114.58	7,000.00	-5,885.42	15.92%
3502 · Uniforms	0.00				2,286.67	5,750.00	-3,463.33	39.77%	2,286.67	5,750.00	-3,463.33	39.77%
3503 · Communications	0.00				2,374.83	15,800.00	-13,425.17	15.03%	2,374.83	15,800.00	-13,425.17	15.03%
3504 · USA & Other Services	0.00				2,144.29	7,250.00	-5,105.71	29.58%	2,144.29	7,250.00	-5,105.71	29.58%
3505 · Miscellaneous	0.00				2,793.72	12,000.00	-9,206.28	23.28%	2,793.72	12,000.00	-9,206.28	23.28%
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				10,714.09	75,800.00	-65,085.91	14.14%	10,714.09	75,800.00	-65,085.91	14.14%
4100 · LABOR - FISHERIES	228,137.51	824,382.00	-596,244.49	27.67%	0.00				228,137.51	824,382.00	-596,244.49	27.67%

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

	Fisheries				Operations				TOTAL			
	Jul - Sep 23	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Sep 23	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Sep 23	Budget	\$ Over / (Under) Budget	% of Budget
4200 · VEHICLES & EQUIP - FISHERIES												
4270 · Vehicle/Equip Mtce	6,504.56	30,000.00	-23,495.44	21.68%	0.00				6,504.56	30,000.00	-23,495.44	21.68%
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	6,504.56	52,500.00	-45,995.44	12.39%	0.00				6,504.56	52,500.00	-45,995.44	12.39%
4220 · CONTRACT LABOR - FISHERIES												
4221 · Meters & Valves	321.43	3,000.00	-2,678.57	10.71%	0.00				321.43	3,000.00	-2,678.57	10.71%
4222 · Fish Projects Maintenance	0.00	11,100.00	-11,100.00	0.0%	0.00				0.00	11,100.00	-11,100.00	0.0%
Total 4220 · CONTRACT LABOR - FISHERIES	321.43	14,100.00	-13,778.57	2.28%	0.00				321.43	14,100.00	-13,778.57	2.28%
4300 · MATERIALS/SUPPLIES - FISHERIES												
4390 · Miscellaneous	314.15	8,000.00	-7,685.85	3.93%	0.00				314.15	8,000.00	-7,685.85	3.93%
Total 4300 · MATERIALS/SUPPLIES - FISHERIES	314.15	8,000.00	-7,685.85	3.93%	0.00				314.15	8,000.00	-7,685.85	3.93%
4500 · OTHER EXPENSES - FISHERIES												
4502 · Uniforms	221.85	5,000.00	-4,778.15	4.44%	0.00				221.85	5,000.00	-4,778.15	4.44%
4503 · Permits	0.00	5,000.00	-5,000.00	0.0%	0.00				0.00	5,000.00	-5,000.00	0.0%
Total 4500 · OTHER EXPENSES - FISHERIES	221.85	10,000.00	-9,778.15	2.22%	0.00				221.85	10,000.00	-9,778.15	2.22%
4999 · GENERAL & ADMINISTRATIVE												
5000 · Director Fees	0.00				2,661.75	12,400.00	-9,738.25	21.47%	2,661.75	12,400.00	-9,738.25	21.47%
5001 · Director Mileage	0.00				153.05	600.00	-446.95	25.51%	153.05	600.00	-446.95	25.51%
5100 · Legal	0.00				11,312.90	75,000.00	-63,687.10	15.08%	11,312.90	75,000.00	-63,687.10	15.08%
5101 · Audit	0.00				4,206.33	22,750.00	-18,543.67	18.49%	4,206.33	22,750.00	-18,543.67	18.49%
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				9,228.84	39,400.00	-30,171.16	23.42%	9,228.84	39,400.00	-30,171.16	23.42%
5310 · Postage/Office Exp	0.00				1,373.73	6,000.00	-4,626.27	22.9%	1,373.73	6,000.00	-4,626.27	22.9%
5311 · Office Equip/Leases	0.00				1,963.13	13,440.00	-11,476.87	14.61%	1,963.13	13,440.00	-11,476.87	14.61%
5312 · Misc Admin Expenses	0.00				2,896.27	11,000.00	-8,103.73	26.33%	2,896.27	11,000.00	-8,103.73	26.33%
5313 · Communications	0.00				2,140.02	9,500.00	-7,359.98	22.53%	2,140.02	9,500.00	-7,359.98	22.53%
5314 · Utilities	0.00				2,333.81	9,735.00	-7,401.19	23.97%	2,333.81	9,735.00	-7,401.19	23.97%
5315 · Membership Dues	0.00				158.60	11,700.00	-11,541.40	1.36%	158.60	11,700.00	-11,541.40	1.36%
5316 · Admin Fixed Assets	0.00				0.00	12,000.00	-12,000.00	0.0%	0.00	12,000.00	-12,000.00	0.0%
5318 · Computer Consultant	0.00				5,587.71	25,000.00	-19,412.29	22.35%	5,587.71	25,000.00	-19,412.29	22.35%
5325 · Emp Training/Subscriptions	0.00				55.25	2,000.00	-1,944.75	2.76%	55.25	2,000.00	-1,944.75	2.76%
5330 · Admin Travel	0.00				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				567.43	3,500.00	-2,932.57	16.21%	567.43	3,500.00	-2,932.57	16.21%
Total 4999 · GENERAL & ADMINISTRATIVE	0.00				44,638.82	262,525.00	-217,886.18	17.0%	44,638.82	262,525.00	-217,886.18	17.0%
5299 · ADMIN LABOR	0.00				224,840.05	670,202.00	-445,361.95	33.55%	224,840.05	670,202.00	-445,361.95	33.55%
5400 · GENERAL & ADMIN - FISHERIES												
5407 · Legal - FD	5,267.10	25,000.00	-19,732.90	21.07%	0.00				5,267.10	25,000.00	-19,732.90	21.07%
5410 · Postage / Office Supplies	667.57	4,000.00	-3,332.43	16.69%	0.00				667.57	4,000.00	-3,332.43	16.69%
5411 · Office Equipment / Leases	1,057.01	8,533.00	-7,475.99	12.39%	0.00				1,057.01	8,533.00	-7,475.99	12.39%
5412 · Misc. Admin Expense	1,491.20	7,500.00	-6,008.80	19.88%	0.00				1,491.20	7,500.00	-6,008.80	19.88%
5413 · Communications	1,152.30	4,455.00	-3,302.70	25.87%	0.00				1,152.30	4,455.00	-3,302.70	25.87%
5414 · Utilities	1,256.67	5,243.00	-3,986.33	23.97%	0.00				1,256.67	5,243.00	-3,986.33	23.97%
5415 · Membership Dues	1,085.40	7,200.00	-6,114.60	15.08%	0.00				1,085.40	7,200.00	-6,114.60	15.08%

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

	Fisheries				Operations				TOTAL			
	Jul - Sep 23	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Sep 23	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Sep 23	Budget	\$ Over / (Under) Budget	% of Budget
5416 · Admin Fixed Assets	0.00	5,000.00	-5,000.00	0.0%	0.00				0.00	5,000.00	-5,000.00	0.0%
5418 · Computer Consultant	3,008.76	15,000.00	-11,991.24	20.06%	0.00				3,008.76	15,000.00	-11,991.24	20.06%
5425 · Employee Education/Subscription	29.75	2,500.00	-2,470.25	1.19%	0.00				29.75	2,500.00	-2,470.25	1.19%
5426 · Director Fees	1,433.25	6,700.00	-5,266.75	21.39%	0.00				1,433.25	6,700.00	-5,266.75	21.39%
5427 · Director Mileage	82.41	300.00	-217.59	27.47%	0.00				82.41	300.00	-217.59	27.47%
5430 · Travel	0.00	4,000.00	-4,000.00	0.0%	0.00				0.00	4,000.00	-4,000.00	0.0%
5431 · Public Information	305.54	1,500.00	-1,194.46	20.37%	0.00				305.54	1,500.00	-1,194.46	20.37%
5441 · Audit	2,424.17	12,250.00	-9,825.83	19.79%	0.00				2,424.17	12,250.00	-9,825.83	19.79%
5443 · Liab & Property Ins	4,969.37	22,000.00	-17,030.63	22.59%	0.00				4,969.37	22,000.00	-17,030.63	22.59%
Total 5400 · GENERAL & ADMIN - FISHERIES	24,230.50	131,181.00	-106,950.50	18.47%	0.00				24,230.50	131,181.00	-106,950.50	18.47%
5499 · ADMIN LABOR-FISHERIES	68,770.60	296,750.00	-227,979.40	23.18%	0.00				68,770.60	296,750.00	-227,979.40	23.18%
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				925.00	10,000.00	-9,075.00	9.25%	925.00	10,000.00	-9,075.00	9.25%
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				3,808.04	80,000.00	-76,191.96	4.76%	3,808.04	80,000.00	-76,191.96	4.76%
6125 · 2023 Winter Storm Repairs	0.00				378,652.26	1,175,000.00	-796,347.74	32.23%	378,652.26	1,175,000.00	-796,347.74	32.23%
6138 · Cachuma Watershed Mgmt Study	0.00				19,535.02	50,000.00	-30,464.98	39.07%	19,535.02	50,000.00	-30,464.98	39.07%
Total 6199 · SPECIAL PROJECTS	0.00				402,920.32	1,370,000.00	-967,079.68	29.41%	402,920.32	1,370,000.00	-967,079.68	29.41%
6000 · INFRASTRUCTURE IMPROVEMENT PROJ												
6096 · SCC Structure Rehabilitation	0.00				0.00	200,000.00	-200,000.00	0.0%	0.00	200,000.00	-200,000.00	0.0%
6136 · SCC Isolation Valve Evaluation	0.00				0.00	550,000.00	-550,000.00	0.0%	0.00	550,000.00	-550,000.00	0.0%
6137 · SCC Lower Reach Lateral Structu	0.00				0.00	550,000.00	-550,000.00	0.0%	0.00	550,000.00	-550,000.00	0.0%
Total 6000 · INFRASTRUCTURE IMPROVEMENT PROJ	0.00				0.00	1,300,000.00	-1,300,000.00	0.0%	0.00	1,300,000.00	-1,300,000.00	0.0%
6200 · PROGRAM SUPPORT SERVICES												
6201 · FMP Implementation	0.00	42,000.00	-42,000.00	0.0%	0.00				0.00	42,000.00	-42,000.00	0.0%
6202 · GIS and Mapping	0.00	10,000.00	-10,000.00	0.0%	0.00				0.00	10,000.00	-10,000.00	0.0%
6205 · USGS Stream Gauge Program	30,205.00	120,000.00	-89,795.00	25.17%	0.00				30,205.00	120,000.00	-89,795.00	25.17%
6225 · 2023 Winter Storm Repairs	8,097.12	0.00	8,097.12	100.0%	0.00				8,097.12	0.00	8,097.12	100.0%
Total 6200 · PROGRAM SUPPORT SERVICES	38,302.12	172,000.00	-133,697.88	22.27%	0.00				38,302.12	172,000.00	-133,697.88	22.27%
6300 · HABITAT IMPROVEMENT PROJECTS												
6207 · Oak Tree Restoration Program	137.41	15,000.00	-14,862.59	0.92%	0.00				137.41	15,000.00	-14,862.59	0.92%
6303 · Tributary Projects Support	0.00	10,000.00	-10,000.00	0.0%	0.00				0.00	10,000.00	-10,000.00	0.0%
Total 6300 · HABITAT IMPROVEMENT PROJECTS	137.41	25,000.00	-24,862.59	0.55%	0.00				137.41	25,000.00	-24,862.59	0.55%
Total Expense	\$ 366,940.13	\$ 1,533,913.00	\$ (1,166,972.87)	23.92%	\$ 1,014,702.53	\$ 5,453,875.00	\$ (4,439,172.47)	18.61%	\$ 1,381,642.66	\$ 6,987,788.00	\$ (5,606,145.34)	19.77%
Net Income	\$ 51,894.18	\$ -	\$ 51,894.18	100.0%	\$ (249,234.53)	\$ -	\$ (249,234.53)	100.0%	\$ (197,340.35)	\$ -	\$ (197,340.35)	100.0%

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	October 23, 2023
Submitted by:	Janet Gingras

SUBJECT: Investment Report – September 30, 2023

RECOMMENDATION

The Board of Directors receive and file the Cachuma Operation & Maintenance Board Investment Report as of September 30, 2023.

DISCUSSION

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

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

Unrestricted Cash

Unrestricted cash exceeding current operating needs is invested in LAIF to generate interest income. The average effective yield rate, as of September 2023, is reported at 3.534%.

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

Table 1			
Unrestricted Reserve Funds			
Local Agency Investment Fund (LAIF)			
	8/31/2023	\$	2,105,936.57
(+) Deposits/Credits			-
(-) Checks/Withdrawals			(660,000.00)
Statement Balance	9/30/2023	\$	1,445,936.57

Restricted Cash

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

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

Table 2			
Restricted Reserve Funds			
American Riviera Bank			
Renewal Account			
Previous Balance	8/31/2023	\$	165,830.26
(+) Deposits/Credits			16,055.00
(-) Checks/Withdrawals			(18,568.31)
Statement Balance	9/30/2023	\$	163,316.95
American Riviera Bank			
Warren Act Trust Fund			
Previous Balance	8/31/2023	\$	282,898.59
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	9/30/2023	\$	282,898.59

STATEMENT

The above statement of investment activity for the month of September 2023, complies with legal requirements for investment policy of government agencies, AB 1073. I hereby certify that it constitutes a complete and accurate summary of all American Riviera Bank and LAIF investments of this agency for the period indicated.



 Secretary

Cachuma Operation & Maintenance Board

Paid Claims

As of September 30, 2023

Date	Num	Name	Memo	Amount
1050 - General Fund				
09/05/2023	30515	All Around Landscape Supply	Supplies - PVC Piping (Ops)	-91.72
09/05/2023	30516	Association of Ca Water Agencies/JPIA	October 2023 Health Benefits Premium	-29,981.71
09/05/2023	30517	Bartlett, Pringle & Wolf, LLP	Audit Services FY 2022-23	-4,820.50
09/05/2023	30518	Case Van Wingerden	Director Meeting Fees August 2023	-213.53
09/05/2023	30519	Cori Hayman	Director Meeting Fees August 2023	-208.10
09/05/2023	30520	Cushman Contracting Corp.	EPFP Pumping System - Pay Req 112	-3,500.00
09/05/2023	30521	ECHO Communications	Message Service September 2023	-93.90
09/05/2023	30522	Frontier Communications	Phone Service - Main Office Land Lines	-97.94
09/05/2023	30523	Kristen Sneddon	Director Meeting Fees August 2023	-400.86
09/05/2023	30524	Lauren W. Hanson	Director Meeting Fees August 2023	-201.55
09/05/2023	30525	Measurement Solutions Systems & Services	Quarterly Meter Calibrations	-2,294.56
09/05/2023	30526	Otis Elevator Company	North Portal Elevator Repair	-5,926.75
09/05/2023	30527	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 8/4 & 8/18	-340.50
09/05/2023	30528	Polly Holcombe	Director Meeting Fees August 2023	-213.53
09/05/2023	30529	Powell Garage	2008 Ford Explorer - Repair Shift Cable & Blower Assembly	-502.07
09/05/2023	30530	Salmonid Restoration Federation	2024 Co-Sponsorship of Virtual SRF Conference	-1,000.00
09/05/2023	30531	Sansum Clinic-Occupational Medicine	Pre-Employment Physical (Ops)	-358.00
09/05/2023	30532	Southern California Edison	Electricity - Outlying Stations (Ops)	-19.24
09/05/2023	30533	Southern California Edison	Electricity - Main Office & Outlying Stations	-2,148.34
09/05/2023	30534	Staples Business Credit	Office Supplies (Ops & Fisheries)	-211.77
09/05/2023	30535	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 6054ci	-303.41
09/05/2023	30536	White Cap	Supplies (Ops)	-430.60
09/05/2023	30537	Zac Gonzalez Landscaping & Tree Care	Landscape Maintenance August 2023	-480.00
09/11/2023	30538	American Riviera Bank - Card Service	Permits (Fish), USBR/O&M Contract Renewal Deposit, Supplies (Ops & Fisheries)	-17,009.33
09/11/2023	30539	Aqua-Flo Supply	Oak Tree Program & Stilling Well Clean-Out Supplies (Ops & Fisheries)	-582.47
09/11/2023	30540	AT&T	Long Distance Service - August 2023	-37.83
09/11/2023	30541	City of Santa-Barbara	Trash & Recycling August 2023	-381.78
09/11/2023	30542	Coastal Copy, Inc.	Copier Maintenance - Kyocera Taskalfas 3253ci & 6054ci	-191.48
09/11/2023	30543	County of Santa--Barbara	Waste Disposal Fee (Ops)	-85.20
09/11/2023	30544	Cox Communications Santa Barbara	Business Internet September 2023	-195.44
09/11/2023	30545	Employee Relations, Inc.	Pre-Employment Background Check (Ops)	-182.02
09/11/2023	30546	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality - Samples	-3,475.00
09/11/2023	30547	Federal Express	Shipping (Ops)	-162.30
09/11/2023	30548	FGL Environmental	2023 Storm Repairs - Water Quality Analysis	-1,226.00
09/11/2023	30549	Geosyntec Consultants	Lake Cachuma Water Quality & Sediment Study - Professional Services	-5,552.90
09/11/2023	30550	Home Depot Credit Services	Supplies (Ops)	-111.76
09/11/2023	30551	J&C Services	Office Cleaning Service - Weekly	-960.00
09/11/2023	30552	O'Reilly Automotive, Inc.	Oak Tree Program - Supplies	-22.80
09/11/2023	30553	Powell Garage	2018 Ford F-150 & 2019 Ford Ranger - Routine Services	-318.36
09/11/2023	30554	Southern California Edison	Electricity - Outlying Stations (Ops)	-17.77
09/11/2023	30555	Sparkletts	Operations Safety	-101.86
09/11/2023	30556	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee	-202.50
09/11/2023	30557	WEX Fleet Universal	Fleet Fuel August 2023	-3,074.82
09/18/2023	30558	Aqua-Flo Supply	Oak Tree Program - Supplies	-16.62
09/18/2023	30559	County of Santa Barbara	Hazmat Waste Disposal Fee	-583.95
09/18/2023	30560	Federal Express	Shipping (Ops & Fisheries)	-290.90
09/18/2023	30561	Flowers & Associates, Inc.	2023 Winter Storm Repairs - Engineering Services	-18,891.00
09/18/2023	30562	Impulse Advanced Communications	Phone Service - Main Office	-880.01
09/18/2023	30563	Justin Waller	Uniform Reimbursement	-332.76
09/18/2023	30564	LoopUp, LLC	Conference Calls August 2023	-26.62
09/18/2023	30565	MarBorg Industries	Portable Facilities - Outlying Stations	-423.76
09/18/2023	30566	Otis Elevator Company	North Portal Elevator Service	-150.00
09/18/2023	30567	Powell Garage	2012 Chevy Silverado 2500 - Front & Rear Brakes	-1,765.88
09/18/2023	30568	Southern California Edison	Electricity - Outlying Stations (Ops)	-13.16
09/18/2023	30569	Spatial Wave	GIS & Mapping - Field Mapplet Software Maintenance October-December 2023 (Ops)	-925.00
09/18/2023	30570	Trenchalk Network Services, Inc.	Network Support August 2023 (Ops & Fisheries)	-4,705.90
09/18/2023	30571	Verizon Wireless	Cellular Service - Cell Phone, iPads, Modems	-652.29
09/25/2023	30572	American Riviera Bank - Card Service	Website Hosting, Acrobat, Uniforms, Equipment, Supplies (Ops & Fisheries)	-4,938.30
09/25/2023	30573	Aqua-Flo Supply	Supplies (Ops)	-16.30
09/25/2023	30574	Bureau of Reclamation	USBR WY 2023-24 Water Rates 1st Period Entitlement 10/1/23-4/1/24	-637,054.87
09/25/2023	30575	Bureau of Reclamation	Safety of Dams - Bradbury	-261,647.69
09/25/2023	30576	Bureau of Reclamation	Safety of Dams - Lauro	-47,404.66
09/25/2023	30577	County of S.B.-P.W. Trans	2023 Quiota Creek Fish Passage Repairs - County Encroachment Permit	-364.00
09/25/2023	30578	Cushman Contracting Corp.	EPFP Pumping System - Pay Req 113	-3,500.00

Item #3c

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Cachuma Operation & Maintenance Board

Paid Claims

As of September 30, 2023

Date	Num	Name	Memo	Amount
09/25/2023	30579	Flowers & Associates, Inc.	2023 Winter Storm Repairs - Engineering Services	-11,020.26
09/25/2023	30580	FP Mailing Solutions	Postage Meter Rental	-211.41
09/25/2023	30581	Peter Lapidus Construction, Inc.	2023 Winter Storm Repairs - Construction Services	-327,820.00
09/25/2023	30582	Peter Lapidus Construction, Inc.	2023 Winter Storm Repairs - Backhoe Transport (Ops)	-453.75
09/25/2023	30583	PG&E	Electricity - North Portal & Tecolote Tunnel	-364.17
09/25/2023	30584	United States Geological Survey	USGS Quarterly Joint Funding Agreement 07/01/23-09/30/23	-30,205.00
09/25/2023	30585	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 3253ci	-123.98
Total 1050 - General Fund				<u>-1,442,512.44</u>
TOTAL				<u>-1,442,512.44</u>

APPROVALS

CACHUMA OPERATION & MAINTENANCE BOARD

Fisheries Committee Meeting

Tuesday, October 17, 2023

2:00 PM

AGENDA

Chair: Director Hanson

Member: Director Hayman

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter on the agenda and within the Committee's jurisdiction*)
3. 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*)
 - 2023 Storms - Quiota Creek Crossings Nos. 5 and 9
 - Field Observations
5. Adjournment

NOTICE TO THE PUBLIC

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

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

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

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	October 23, 2023
Submitted by:	Tim Robinson/ Edward Lyons
Approved by:	Janet Gingras

SUBJECT: Cachuma Project Warren Act Trust Fund / Cachuma Project Master Contract Renewal Fund 2023-24 Annual and Long Term Plan / Santa Barbara County Betterment Fund

RECOMMENDATION:

The Board of Directors receive and file the final Cachuma Project Annual and Long-Term Plan for Water Year 2023-24 and approve:

- a. Recommended program expenditures of Cachuma Project Warren Act Trust Fund (\$210,786), the Cachuma Project Master Contract Renewal Fund (\$76,46.40) and Renewal Fund 2023 carryover funds (\$155,723.40) totaling \$442,965.40 for FY 2023-24 as agreed upon by the Funds Committee. The \$100,000 placeholder match for the proposed Quiota Creek 2024 restoration projects would be contingent upon COMB receiving grant funding and approval by the Board.
- b. Proposed program expenditures of the Santa Barbara County Betterment Fund (\$100,000) for FY 2023-24 as agreed upon by the 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 October 10, 2023. 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; 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 2022 totaled \$210,786 based on 4,902 AF of State Water delivered to the lake during the year. Revenues to be collected from the Renewal Fund in fiscal

year 2023-24 will be \$76,456.40 pursuant to Renewal Master Contract Article 27 (e)(3). In addition, there are carryover funds available from the previous year in the amount of \$155,723 to be utilized for expenditures in 2024.

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, the funds will provide revenue for environmental restoration (\$315,000), regulatory requirements for monitoring, analyses and reporting (\$62,965), genetic analyses (\$15,000), and Cachuma Project Betterment (\$50,000); for a total of \$442,965 funds available. The \$100,000 placeholder match is contingent upon COMB receiving grant funding for the proposed 2024 Quiota Creek restoration projects and prior approval by the COMB Board of Directors.

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 2023-24:

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

The FY 2023-24 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 2023-24 Cachuma Project Annual and Long-Term Plan on October 17, 2023 and forwards the following to the Board with a recommendation to:

- a. Receive and file the Final Cachuma Project Annual and Long-Term Plan for Water Year 2023-24 as approved by the Funds Committee.
- b. Approve the recommended program expenditures of Cachuma Project Warren Act Trust Fund (\$210,786), the Cachuma Project Master Contract Renewal Fund (\$76,46.40) and Renewal Fund 2023 carryover funds (\$155,723.40) totaling \$442,965.40 for FY 2023-24 as agreed upon by the Funds Committee. The \$100,000 placeholder match for the proposed Quiota Creek 2024 restoration projects would be contingent upon COMB receiving grant funding and approval by the Board.
- c. Approve the proposed program expenditures of the Santa Barbara County Betterment Fund (\$100,000) for FY 2023-24 as agreed upon by the County and the Cachuma Member Units' representative.

LIST OF EXHIBITS:

- 1) Cachuma Project Water Year 2023-24 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 2023-24

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 CY2022 were \$210,786 based on 4,902 AF delivered, and Renewal Fund revenues derived from operational yield of the Cachuma Project deliveries at a 100% allocation in WY2024 will be \$76,456 for total available revenues of \$287,242 (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 WY2028 for both funds are shown in Table 2. For the second time, there is a carryover from last year of \$155,723 that will be added to the revenues for this year. Fund amounts through WY2024 are based on the actual prior calendar year SWP water deliveries; subsequent years' revenues are based on full usage of allotted SWP water deliveries (6,977 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 WY2024.

TRUST FUND (T) (Warren Act) - State Water				
GIVEN:	Q = Acre-Feet of State Water Project Deliveries to Cachuma Reservoir in CY2022			
	Q =	4,902	Acre-Feet used in CY2022	
	T = Warren Act Trust Fund Contribution = Q x \$43 per Acre-Foot			
THEN:	T =	4,902	x \$43	
	T =	\$210,786		
WARREN ACT TRUST FUND REVENUE FOR CALENDAR YEAR 2022				
CCWA PARTICIPANTS			USED	AMOUNT DUE
			(af)	(\$)
GOLETA WATER DISTRICT			3428	\$147,404
CITY OF SANTA BARBARA			422	\$18,146
CARPINTERIA VALLEY WD			374	\$16,082
MONTECITO WATER DISTRICT			30	\$1,290
LA CUMBRE MUTUAL WATER COMPANY			545	\$23,435
MOREHART LAND COMPANY			103	\$4,429
SB RESEARCH CENTER (RAYTHEON)			0	\$0
TOTAL			4,902	\$210,786
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 - (\$210,786/\$300,000)] x \$257,100			
	R =	\$76,456		
RENEWAL FUND ALLOCATION FOR WATER YEAR 2023 - 2024 (PAYMENT DUE OCTOBER 1, 2023)				
MEMBER UNIT			COST SHARE**	AMOUNT DUE
			(%)	(\$)
GOLETA WATER DISTRICT			36.25	\$27,715
CITY OF SANTA BARBARA			32.19	\$24,611
CARPINTERIA VALLEY WD			10.94	\$8,364
MONTECITO WATER DISTRICT			10.31	\$7,883
SANTA YNEZ RWCD ID#1			10.31	\$7,883
TOTAL			100.00	\$76,456
* Pursuant to Renewal Fund Master Contract Article 27(e)(3).				
** Based on Cachuma Entitlement.				
TOTAL FUNDS AVAILABLE FOR WATER YEAR 2023-2024:				\$287,242

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	Funds
1995	-	\$0	1997	25,714	\$257,100	1997	\$257,100	\$257,100
1996	-	\$0	1998	25,714	\$257,100	1998	\$257,100	\$257,100
1997	1,502	\$64,586	1999	25,714	\$201,750	1999	\$266,336	\$266,336
1998	0	\$0	2000	25,714	\$257,100	2000	\$257,100	\$257,100
1999	505	\$21,715	2001	25,714	\$238,490	2001	\$260,205	\$260,205
2000	2,334	\$100,362	2002	25,714	\$171,090	2002	\$271,452	\$271,452
2001	809	\$34,787	2003	25,714	\$227,288	2003	\$262,075	\$262,075
2002	6,708	\$288,444	2004	25,714	\$9,903	2004	\$298,347	\$298,347
2003	4,568	\$196,424	2005	25,714	\$88,765	2005	\$285,189	\$285,189
2004	8,836	\$379,948	2006	25,714	\$0	2006	\$379,948	\$379,948
2005	506	\$21,758	2007	25,714	\$238,453	2007	\$260,211	\$260,211
2006	759	\$32,637	2008	25,714	\$229,130	2008	\$261,767	\$261,767
2007	6,316	\$271,588	2009	25,714	\$24,349	2009	\$295,937	\$295,937
2008	3,694	\$158,842	2010	25,714	\$120,972	2010	\$279,814	\$279,814
2009	2,537	\$109,091	2011	25,714	\$163,609	2011	\$272,700	\$272,700
2010	1,788	\$76,884	2012	25,714	\$191,210	2012	\$268,094	\$268,094
2011	1,013	\$43,559	2013	25,714	\$219,770	2013	\$263,329	\$263,329
2012	385	\$16,555	2014	25,714	\$242,912	2014	\$259,467	\$259,467
2013	2,638	\$113,434	2015	11,571	\$159,887	2015	\$273,321	\$273,321
2014	13,296	\$571,728	2016	0	\$0	2016	\$571,728	\$571,728
2015	5,542	\$238,306	2017	10,286	\$52,872	2017	\$291,178	\$291,178
2016	14,427	\$620,361	2018	10,286	\$0	2018	\$620,361	\$620,361
2017	12,547	\$539,521	2019	25,714	\$0	2019	\$539,521	\$539,521
2018	13,751	\$591,293	2020	25,714	\$0	2020	\$591,293	\$591,293
2019	1,460	\$62,780	2021	25,714	\$203,298	2021	\$266,078	\$266,078
2020	1,002	\$43,086	2022	18,000	\$179,998	2022	\$223,084	\$223,084
2021	2,751	\$118,293	2023	25,714	\$155,723	2023	\$274,016	\$274,016
2022	4,902	\$210,786	2024	25,714	\$76,456	2024	\$287,242	\$287,242
2023	6,977	\$300,000	2025	25,714	\$0	2025	\$300,000	?
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	?
114,576			CY1997-2021 total SWP Delivered					
Notes:								
- Calendar Years 1997 through 2021 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;								
- 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 2024 by Fiscal Year.

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

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 LSJR 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) (dates after June are projected)

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) (dates after October are projected)

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
 May 2023 - Submittal of the WY2022 Annual Monitoring Summary and Report for review
 June 2023 - Submittal of the WY2022 Annual Monitoring Summary and Report to USBR and NMFS
 August 2023 – Completion of the 2022 Annual Report of the Cachuma Oak Tree Restoration Program
 April 2023 – Presented a poster on Sulfur and *O. mykiss* at the Salmonid Restoration Federation Conference
 December 2023 - Submittal of the WY2023 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 WY2024 TO WY2028

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 WY2024 and projected revenues and expenses for WY2025-28. Expenditures for environmental restoration efforts include implementation of the Oak Tree Restoration Program, restoration of riparian and other habitat of the 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 WY2024 Annual Plan (Table 4) below because these expenditures are specifically included in the COMB budget for Fiscal Year 2023-24 (July 1, 2023 through June 30, 2024). In Years 1, 2, and 3 (WY2024 and WY2026), the Oak Tree Restoration program will continue maintenance of the trees planted during the previous 18 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 (WY2025-WY2028), a similar level of effort for the estimated use of the funds is outlined in the table.

Table 4: The Five-Year Plan (WY 2024-2028).

Year 1: WY2024 (October 2023 - September 2024)		
Funds Available (\$284,242 plus \$155,723 carryover from last year):		\$442,965
Expenditures:		
Environmental Restoration		\$315,000
Oak Tree Restoration Program	\$15,000	
Quiota Creek Restoration Project (Phase 1)*	\$200,000	
Quiota Creek Restoration Project (Phase 2)**	\$100,000	
Regulatory Requirements		\$77,965
Monitoring, Analyses and Reporting	\$62,965	
Genetic Analyses	\$15,000	
Cachuma Project Betterment		\$50,000
		\$442,965
Year 2: WY2025 (October 2024 - September 2025)		
Estimated Funds Available:		\$300,000
Possible Expenditures:		
Environmental Restoration		\$10,000
Oak Tree Restoration Program	\$10,000	
Regulatory Requirements		\$240,000
Monitoring, Analyses and Reporting	\$225,000	
Genetic Analyses	\$15,000	
Cachuma Project Betterment		\$50,000
		\$300,000
Year 3: WY2026 (October 2025 - September 2026)		
Estimated Funds Available:		\$300,000
Possible Expenditures:		
Environmental Restoration		\$5,000
Oak Tree Restoration Program	\$5,000	
Regulatory Requirements		\$245,000
Monitoring, Analyses and Reporting	\$230,000	
Genetic Analyses	\$15,000	
Cachuma Project Betterment		\$50,000
		\$300,000
Year 4: WY2027 (October 2026 - September 2027)		
Estimated Funds Available:		\$300,000
Possible Expenditures:		
Environmental Restoration		\$5,000
Oak Tree Restoration Program	\$5,000	
Regulatory Requirements		\$245,000
Monitoring, Analyses and Reporting	\$230,000	
Genetic Analyses	\$15,000	
Cachuma Project Betterment		\$50,000
		\$300,000
Year 5: WY2028 (October 2027 - September 2028)		
Estimated Funds Available:		\$300,000
Possible Expenditures:		
Environmental Restoration		\$5,000
Oak Tree Restoration Program	\$5,000	
Regulatory Requirements		\$245,000
Monitoring, Analyses and Reporting	\$230,000	
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
WY2024**

Table 5 lists the activities in the WY2024 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 WY2024.

2024 Revenues:		
Trust Fund (CY2022)	\$210,786	
Renewal Fund (WY2024)	\$76,456	
Carryover from last year	\$155,723	
Total Funds Available:		\$442,965
2024 Expenditures:		
Environmental Restoration		\$315,000
Oak Tree Restoration Program	\$15,000	
Quiota Creek Restoration Project (Phase 1)*	\$200,000	
Quiota Creek Restoration Project (Phase 2)**	\$100,000	
Regulatory Requirements		\$77,965
Monitoring, Analyses and Reporting	\$62,965	
Genetic Analyses	\$15,000	
Cachuma Project Betterment		\$50,000
Total Expenditures:		\$442,965
* 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 in 2025. From there on out, annual general maintenance will be needed.

Previously constructed Quiota Creek restoration projects suffered various forms of damage from the sequence of high streamflow storm events in 2023. The COMB Board approved funding for the first phase of project rehabilitation in an amount not-to-exceed \$200,000. The second phase funding amount is a placeholder for potential grant match if awarded and subsequently approved by the COMB Board.

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 WY2024 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 2024 (7/1/23-6/30/24).

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>

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Santa Barbara County Public Works Department

Flood Control ♦ Water Agency ♦ Project Clean Water
130 E. Victoria Street, Suite 200, Santa Barbara, CA 93101
PH (805) 568-3440 FAX (805) 568-3434
<http://cosb.countyofsb.org/pwd/water>

SCOTT D. MCGOLPIN
Director

WALTER RUBALCAVA
Deputy Director

October 10, 2023

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 2023-2024

Dear Ms. Gingras,

At the public meeting held on October 10, 2023 regarding the County Water Agency's \$100,000 Cachuma Betterment Fund, 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 2023-24:

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

COMB will recommend approval of the program expenditures at the Board of Directors meeting on October 23rd, 2023. The Water Agency's FY 2023-24 budget, adopted by the Board of Supervisors on June 16th, 2023, included the Betterment Funds.

Regards,

A handwritten signature in blue ink, appearing to read "Matt Young".

Matt Young
Water Agency Manager

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

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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.”

October 23, 2023

General Manager Report

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

Administration

• **Contracts Executed by the General Manager – 1st Quarter Fiscal Year 2023-24**

Pursuant to the COMB Procurement Policy adopted by the Board, a quarterly report of all contracts executed by the General Manager for the period of July 1, 2023 through September 30, 2023 is presented for information.

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

Table 1 below lists all contracts executed by the General Manager for the period July 1, 2023 through September 30, 2023, sorted by execution date.

Table 1					
Contracts Executed by General Manager					
July 1, 2023 through September 30, 2023					
Vendor Name	Contract Description	Board Approved	Date Executed	Date Expires	Contract Amount
Peter Lapidus Construction, Inc.	County-Wide Debris Removal - 2023 Severe Winter Storms	06/26/2023	07/11/2023	09/30/2023	\$308,856
Flowers & Associates, Inc.	Monitoring of County-Wide Debris Removal - 2023 Severe Winter Storms		08/10/2023	10/31/2023	\$19,000
Badger Infrastructure Solutions	Lauro Stilling Well Cleanout		08/16/2023	09/30/2023	\$48,583
OTIS Elevator Company	North Portal Elevator Repair		08/18/2023	10/31/2023	\$11,854
Kenneth Knight Consulting, LLC	FY 2023-24 Oak Tree Program Scope of Work		08/22/2023	06/30/2024	\$3,000
Peter Lapidus Construction, Inc.	Repair of Quiota Creek Crossings 5 & 9 - 2023 Severe Winter Storms	07/24/2023	08/22/2023	12/15/2023	\$198,116
Vidales Electric	Electrical Work (new sub panel) Lauro Yard		08/31/2023	09/30/2023	\$6,850
HDR Engineering, Inc	FY 2023-24 Fisheries Support Scope of Work		09/11/2023	06/30/2024	\$19,100
Tierra Contracting, Inc.	Lauro Reservoir Bypass Channel / Road Repair Project	08/28/2023	09/11/2023	12/31/2023	\$165,470
Flowers & Associates, Inc.	Engineering Services During Construction of Lauro Reservoir Bypass Channel/Road Repair Project		09/13/2023	09/30/2023	\$22,400
Flowers & Associates, Inc.	Engineering Services - County Wide Debris Removal - 2023 Severe Winter Storms		09/15/2023	12/31/2023	\$16,100
Peter Lapidus Construction, Inc.	Emergency Rock Slope Protection Repair - Sycamore Canyon		09/19/2023	10/31/2023	\$17,600

Staff Training

- **ACWA/JPIA Leadership Development Program**

Elijah Papan, COMB's Senior Program Analyst, applied for, attended and completed a year-long leadership development program through ACWA JPIA entitled *Leadership Essentials for the Water Industry Program*. The Leadership Program is designed as a robust program that focuses on providing senior leaders with expanded skills to create a positive, engaged workplace. The program required monthly virtual attendance and quarterly in-person attendance (two days each) in Costa Mesa, CA. The program offers water agency senior staff an educational experience to develop leadership skills and facilitate growth in three spectrums: self, team, and agency leadership. The program also included interpretation of workplace assessments such as the *DiSC Workplace Assessment* and *Working Genius Assessment*, and required reading including *The Great Connection* (Arnie Warren), *The Five Dysfunctions of a Team* (Patrick Lencioni), and *The Work of Leaders* (Julie Straw, Mark Scullard, Susie Kukkonen, and Barry Davis). The program culminated on October 4, 2023 with a final presentation of a group project and the graduation ceremony. Staff reported an overall positive experience and professional growth, as well as forming relationships with water agency staff participating in the program across Southern California.

Respectfully Submitted,

Janet Gingras

General Manager

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: October 23, 2023
TO: Janet Gingras, General Manager
FROM: Joel Degner, Engineer/Operations Division Manager
RE: MONTHLY ENGINEERING REPORT

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

CLIMATE CONDITIONS

The monthly pan evaporation rates measured at Bradbury Dam are lower than normal for 2023 due to the wetter winter and cooler summer than normal. Evapotranspiration rates are lower than normal at the nearby Santa Ynez CIMIS Station (#64) as well. The current live fuel moisture measurements for Santa Barbara County averages 66% (as of 10-4-23). A live fuel moisture below 60% is considered critical for fire conditions. Based on the Climate Prediction Center, El Niño is anticipated to continue through the Northern Hemisphere spring (with an 80% chance during March-May 2024) with a 75-85 percent chance of a strong event ($\geq 1.5^{\circ}\text{C}$).

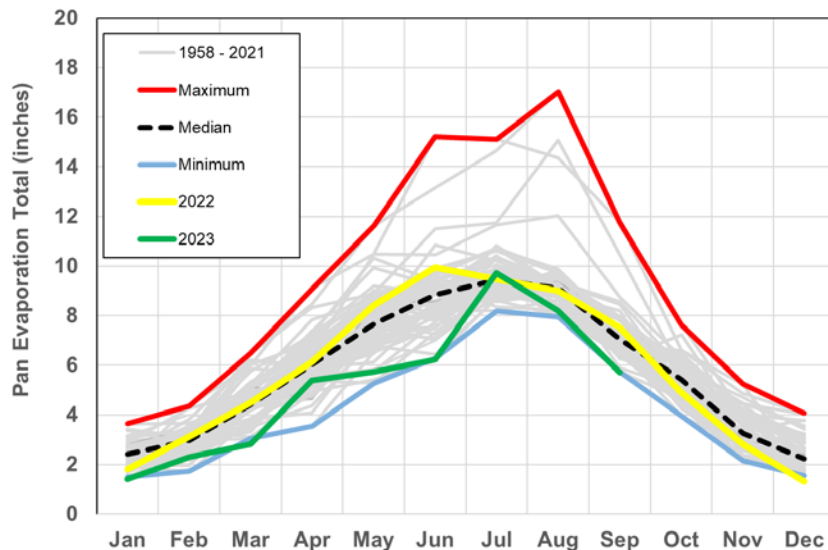


Figure 1. Monthly Pan Evaporation Rates

LAKE ELEVATION PROJECTION

For most of September, Reclamation released significantly more than what was required by the Table 2 minimum flows under WRO 2019-0148, with approximately 20 cfs being released above the minimum requirement. Reclamation adjusted the releases starting on September 26, 2023 to be closer to the minimum flow requirement. After ramping down the adjustment, the downstream releases exceed the minimum flow requirement by approximately 7 cfs at the Solvang gaging station (as of 10-18-23). The modeling projections below are based approximately on the drought that occurred after the 2011 spill with some modifications. The following assumptions are utilized in the modeling:

- Dry hydrologic conditions for WY 2024 and 2025 similar to WY 2012 and WY 2013
- No downstream release in 2024 (similar to 2012) and a downstream release in 2025 (similar to 2013)
- Member agency imports and exports based on forecasts through 9/30/24

- Fish releases are based on Reclamation’s Term 15/16 compliance tables in the optimistic and realistic scenario. The conservative scenario continues the releases with a buffer beyond Reclamation’s Term 15/16 compliance tables similar to releases in October which was increased by 20 percent from the compliance tables.

If two consecutive dry winters were to occur, the lake elevation would likely drop to between 710’ and 720’ by September 2025. The Emergency Pumping Facility would not need to be activated. However, the Hilton Creek Watering System would likely need to transition from gravity flow to pumped flow two years from now in the fall of 2025.

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

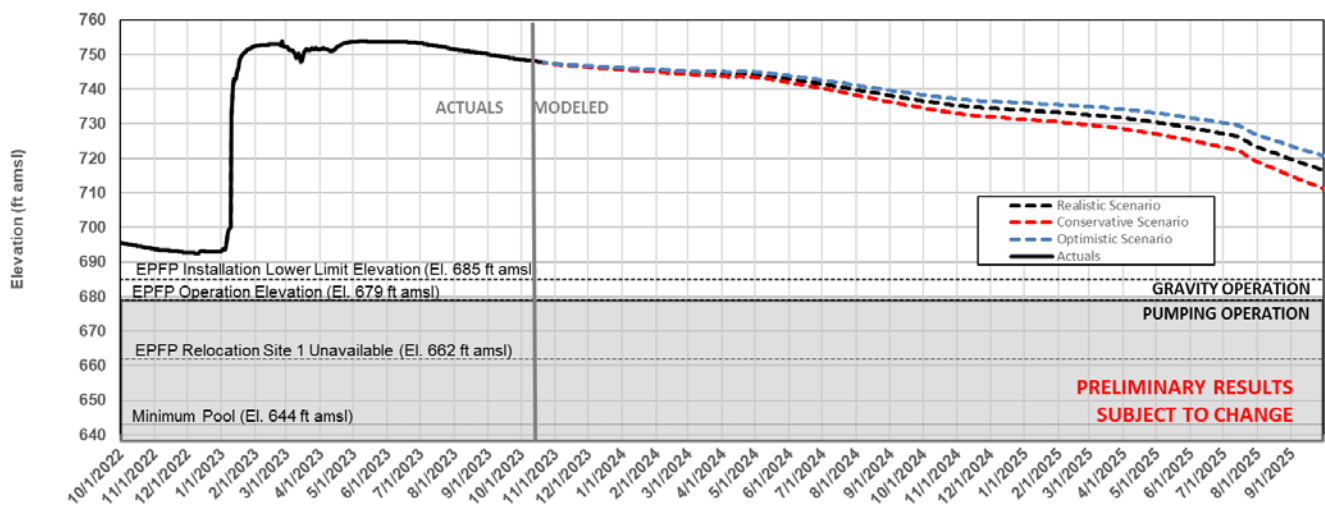


Figure 2. Lake Cachuma Elevation Projection Assuming Dry Conditions

SOUTH COAST CONDUIT GIS MAPPING UPDATE

COMB staff initiated collecting data for a system-wide GIS update in October 2023. Original GPS points and GIS of the South Coast Conduit were collected and developed in the early 2000s. The data was stored in the California State Plane coordinate system which is based on a land-based coordinate system utilizing the North American Plate (North American Datum 1983). However, Santa Barbara is located west of the San Andreas Fault on the Pacific Plate and moves on average approximately 40 mm per year. GPS is space-based system and not tied to the tectonic plates. With 20 years of plate movement, if GPS is utilized to locate the South Coast Conduit in the field, it now is typically 2 to 3 feet off. COMB invested in a new R2 Trimble Unit with centimeter accuracy in 2022. As part of this year’s annual structure maintenance program, COMB staff is in the process of re-taking the GPS points of all the structures along the South Coast Conduit and plans to update the GIS mapping of the South Coast Conduit with the higher resolution data. Future GIS software should be able to factor in the plate movement to maintain the horizontal accuracy of GIS for the South Coast Conduit.

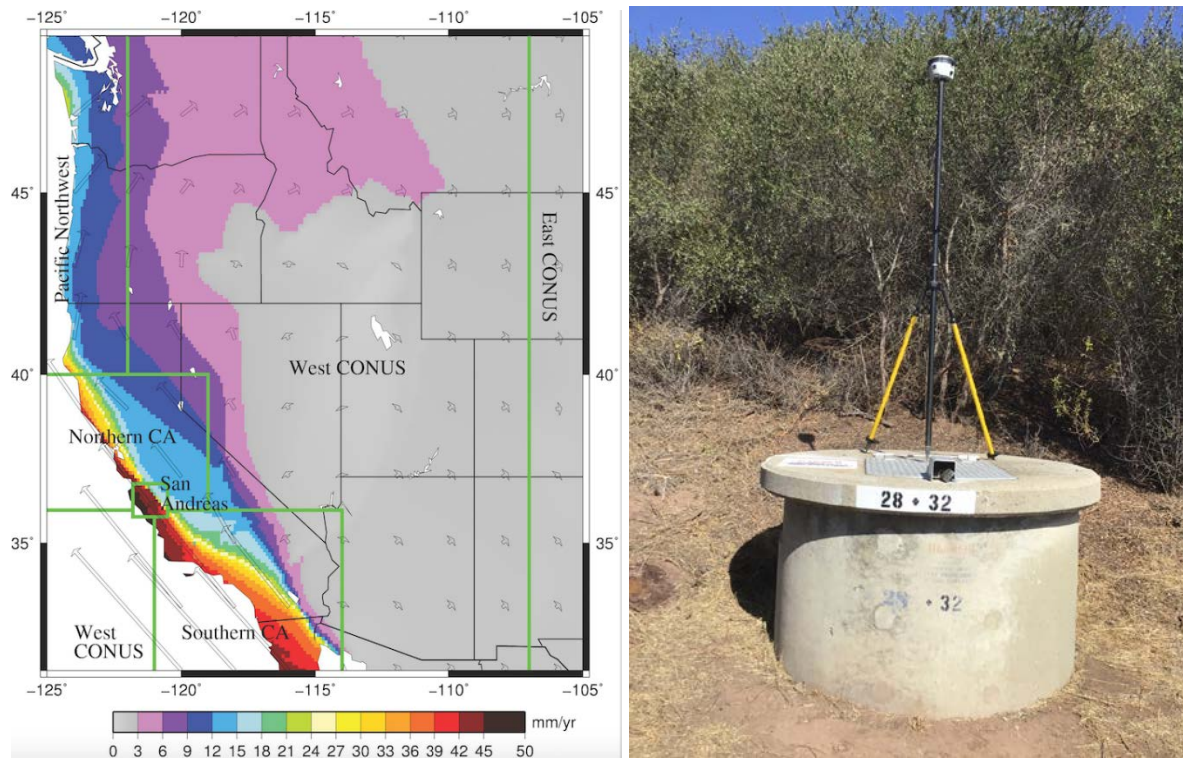


Figure 2. (left) Horizontal velocities in the western continental United States related to the North American Datum of 1983; (right) Trimble R2 unit with ESRI Field Maps software utilized to update coordinates for South Coast Conduit structures.

WINTER STORM PREPARATION

COMB staff continues to manage and perform projects to repair storm damage from 2023 to prepare for the storm season in Water Year 2024. Construction to repair the damage to the Lauro Reservoir Bypass Channel/Road began September 26, 2023 by Tierra Contracting. The cantilevered concrete channel has been removed, the washout has been backfilled and compacted and a new concrete channel has been formed and poured. Contractor will likely complete construction by the end of October (Figure 3). COMB staff meets weekly with FEMA and is requesting reimbursement for the applicable disaster damages related to the DR-4683 and DR-4699 for the winter storms in 2023. COMB has also responded to request for information regarding its subapplication for 404 Hazard Mitigation Grant Program. Table 1 provides a summary of the projects related to the 2023 winter storm damage.

Table 1. 2023 Winter Storm Damage Summary Table

Site	Cat	Location	Work Type	Estimated Cost	% Complete	Estimated Reimbursible	Received as 10/15/23	FEMA Status
County-wide Debris Removal	A	North Portal Log Boom	Contract	\$ 6,422	100%	\$44,251	\$0	Obligated
		Sheffield Access Road	Contract	\$ 12,750	100%			
		South Portal/Glen Anne Road	Force Account	\$ 25,079	100%			
Lauro Reservoir Stilling Well Debris Removal	A	Lauro Stilling Well	Contract + Force Account	\$ 85,000	100%	\$79,688	\$0	PDMG Needed
Sediment Removal From Water Control Facilities	D	Lauro Main Debris Basin	Contract	\$ 304,416	100%	\$267,611	\$0	PDMG Scope & Cost Routing
		San Roque Debris Basin	Contract		100%			
		Carpinteria Toe Drain	Contract		100%			
County-Wide Road Repairs	C	Sycamore Canyon Rock Slope Protection Repair	Contract	\$ 17,600	100%	\$0	\$0	Removed - Maintenance
		Lauro Reservoir Bypass Channel Emergency Repair	Contract	\$ 211,270	75%	\$198,066	\$0	Project Development
Blowoff Repairs	G	Montecito Blowoff Repair	Force Account	\$ 5,000	100%	\$4,738	\$0	Project
		Toro Canyon Blowoff Repair	Contract	\$ 75,000	80%	\$71,063	\$0	Development
Administration	Z	COMB Administrative Costs	Force Account	\$ 15,000	60%	\$14,138	\$0	Project Development
Total				\$ 757,537	93%	\$ 717,382	\$0	

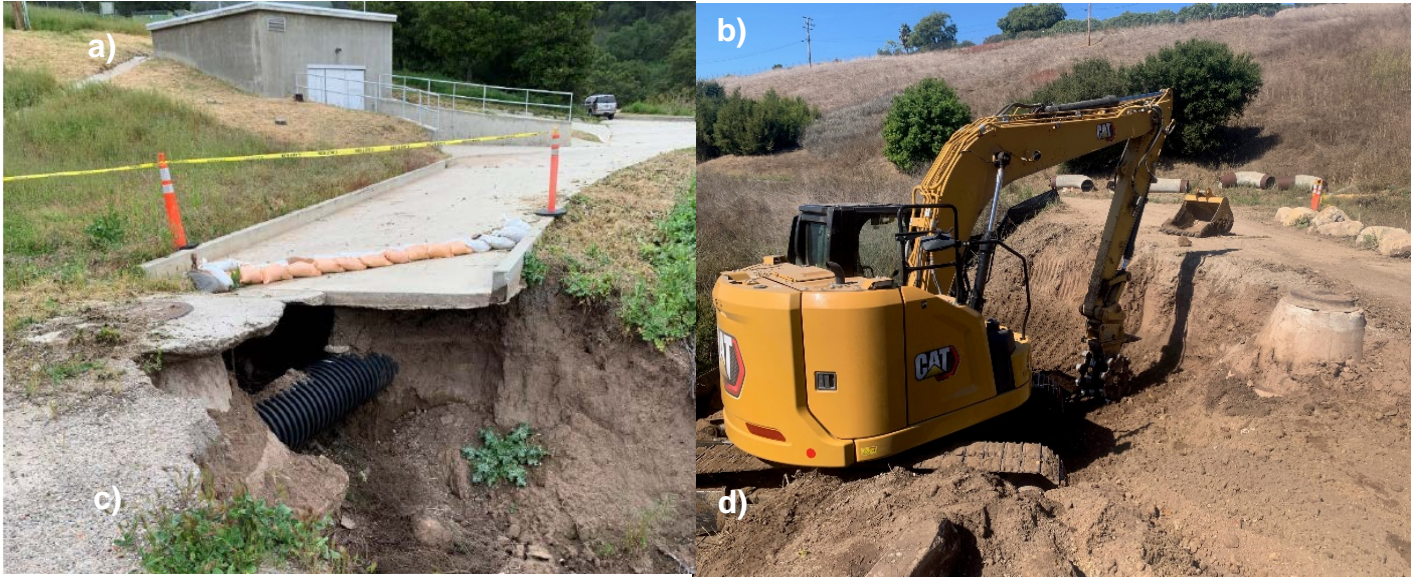


Figure 2. Lauro Reservoir Bypass Channel Road Repair - (a) washout and cantilevered concrete channel and manhole after 2023 storm event; (b) backfill and compaction of washout; (c) forms and rebar for replacement concrete channel; (d) concrete channel extension poured to mitigate for future damages.

INFRASTRUCTURE IMPROVEMENT PROJECTS

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

Table 2. Fiscal Year 2023-2024 Infrastructure Improvement Projects

Infrastructure Improvement Projects	Status / Phase	Complexity / Challenges	Estimated Completion Date
Infrastructure Improvement Projects			
SCC Line Valves for Shutdown	Contractor was engaged to perform design on Lillingston Line valve. However, a suitable location was unable to be identified which avoided conflicts with other utilities.	A Cooperative Agreement between CVWD and COMB has been approved by COMB and CVWD to facilitate the work.	An additional SCC Line Valve has been postponed as it is more advantageous to combine the cooperative agreement resources for lateral rehabilitation.
SCC Structure Rehabilitation : Lower Reach Laterals	CVWD and COMB boards have approved Phase 2. A portion of Phase 2 requires a permit from Caltrans which has been requested and is pending. Reclamation is also performing an additional cultural resource 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 planned to be initiated in FY 2023-24 in Winter 2023-24.
SCC Structure Rehabilitation	Several remaining blowoffs need preventative rehabilitation to prevent unplanned outages. All AVARs on the SCC have been raised above grade.	The shutdown needed require coordination with CVWD and completion of the lateral rehabilitation prior to shutdown.	SCC Structure Rehabilitation may be postponed until FY 2024-25, as shutdowns are dependent on CVWD coordination and completion of lateral rehabilitation.
Special Projects			
Lake Cachuma Water Quality and Sediment Management Study	COMB awarded the contract for the Phase 2 phosphorous/TOC source study in October 2022. A kickoff meeting was conducted in December and a work plan was provided in March with sediment sampling occurring in early June 2023. Sediment and water samples were analyzed by specialized laboratories. Consultant has received the lab results and is preparing the draft analysis and report.	COMB staff has taken additional tributary samples through winter months to supplement the study. The rise in lake level complicates sediment sampling procedures at the deepest part of the lake. In addition, with the high amounts of inflow and sedimentation - the entire volume of the lake has been exchanged with new water and the bottom is likely covered with an extensive layer of new sediment. Additional scope was added to analyze sediment from 2023 and previous years based on dating the corals. Cores could not be taken from the deepest part of the lake due to the softness of the bottom sediment.	A focused phosphorous and TOC sourcing study by COMB was initiated in 2022/2023 and planned to be completed in FY 2023/24. The Phase 2 phosphorus/TOC source study is scheduled for completion in December 2023 upon receiving the final report.
COMB Bldg/Ground Repair	COMB is investigating options for the installation of a solar energy system to offset COMB's energy usage as part of the Sustainability Plan and conducted several exploratory calls with potential vendors.	The Cachuma Project is primarily a gravity-driven system with the only energy costs associated with electricity usage related to lighting and ventilation, office equipment, vehicle usage. It may be possible to offset all of COMB's electrical usage with a modestly sized solar power system to achieve net zero in electrical usage for water delivery. COMB will also evaluate the possibility solar energy for vehicle energy use as well.	COMB plans to evaluate options for solar this fall/winter with installation potentially in spring/summer of 2024.
2023 Winter Storm Repairs	Debris removal completed in early September. Lauro Reservoir Bypass Channel Repair construction started near the end of September and should be completed by the end of October. In addition COMB staff completed working on several smaller cleanup projects related to blowoff structures and access roads.	The winter storms of 2023 resulted in debris deposition and damage throughout the Cachuma Project system. The current forecast is for El Nino to continue. El Nino has been associated with wetter rainfall years, so it is important to repair infrastructure to prepare for the next winter.	COMB plans to remove debris and complete repairs prior to the upcoming rainy season. Repairs are nearing completion.

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CACHUMA OPERATION AND MAINTENANCE BOARD

DATE: October 23, 2023
TO: Janet Gingras, General Manager
FROM: Shane King, Operations Supervisor
RE: **MONTHLY REPORT OF OPERATIONS – September 2023**

The total flow from Lake Cachuma into the Tecolote Tunnel for September was 1,634.22 acre-feet, for an average daily flow of 54.47 acre-feet. Lake elevation was 750.08 feet at the beginning of September and 748.56 feet at the end of September. Lake storage decreased by 4,772.30 acre-feet. There was 56.69 acre-feet of inflow from CCWA into Cachuma Project facilities this month. The City of Santa Barbara wheeled 718.38 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized and delivered 403.43 acre-feet of water to Hilton Creek for the month of September.

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

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

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

Routine operation and maintenance completed during the month of September 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 102 USA Dig alerts
- Performed weekly inspections of major facilities, safety meetings, rodent bait (all reservoirs), toe drain and piezometer reads at Ortega (L23)
- Performed dam inspection and instrumentation reports (all reservoirs)
- Performed equipment and yard maintenance
- Performed monthly North Portal elevator maintenance with Otis
- Performed monthly water quality sampling
- Read and document anodes and rectifier data

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

- The fish screens on the Cachuma lake intake tower for slide gates 1 through 4 were pulled, cleaned, and inspected. The slide gates on the intake tower were greased and exercised. Staff also ran and greased the Tecolote tunnel air exchange fan and ran the onsite backup generator.
- Operations staff has removed the Stow Ranch Meter as requested by Goleta Water District. This meter has had a history of recording zero usage for the past several years. After speaking with the Stow Ranch Manager and Goleta Water District it was concluded that this meter was to be removed from service. COMB staff removed the meter piping and installed new piping and a buried valve to the COMB vault. This structure exclusively works as a blow off structure for the South Coast Conduit. (see photos)
- Staff assisted COMB's electrical contractor in trenching approximately 40 feet to install new underground electrical conduit in COMB's maintenance yard. The new electrical installation work was to isolate the electrical vehicle charging station from other electrical circuits powering the maintenance yard due to the charging stations capability of drawing a high amount of amperage. Crucial, non-interrupted power must be supplied to Lauro reservoirs effluent valve to maintain constant flow to Cater water treatment plant. (see photos)
- COMB staff closely monitored the storm damage repair work on the road within Lauro reservoir. Tierra contracting inc. was hired by COMB to repair the damage that occurred during last year's rain season. A large amount of road was washed out, and some of Lauro reservoirs storm water diversion piping was exposed and undermined.
- Operations staff repaired a section of the lake Cachuma intake tower log boom border. A section of the log boom had become disconnected during a high wind and swell occurrence in the surrounding area.
- Staff has started COMB's annual structure maintenance program. This work includes visiting each structure annually for maintenance and valve exercising. Staff has visited 18 structures in total for this month. Maintenance at each one of the structures on the SCC includes:
 1. Maintaining access to the structure. (i.e., right-of-way management, brush removal, etc.)
 2. Making sure that clear signage of a "Confined Space" is visible.
 3. Corrosion of any exposed steel is touched up with a corrosion resistant coating is applied.
 4. Disinfecting and pumping out any water inside of structure.
 5. Cleaning inside of structure
 6. Exercise valves
 7. Exercise Air vent/ Air release valves

Stow ranch meter removal



Underground electrical conduit installation



CACHUMA OPERATION AND MAINTENANCE BOARD
BOARD MEMORANDUM

DATE: October 23, 2023
TO: Janet Gingras, General Manager
FROM: Tim Robinson, Fisheries Division Manager
RE: MONTHLY FISHERIES DIVISION REPORT

HIGHLIGHTS:

- 2000 Biological Opinion target flows have been met by USBR through Lake Cachuma releases:
 - Hilton Creek (minimum of 2 cfs): Hilton Creek Watering System (HCWS) to the Upper Release Point (URP) and Lower Release Point (LRP) (approximately 6.6 cfs) plus upper basin flows (approximately 0.2 cfs), which has been sustaining the *O. mykiss* population in the creek.
 - Highway 154 Bridge and Alisal Bridge (minimum of 5 cfs as of 10/1/23): Dam releases continue to sustain flows higher than required target flows.
- As of 2/15/23, Order WR 2019-048 Table 2 flows have been initiated for a Wet Year classification (specifically reservoir inflow > 117,842 af).
- Spill ramp-down / stranding surveys have continued as USBR decreases the dam releases to Table 2 flows.

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

LSYR Steelhead Monitoring Elements:

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

Spill Ramp-Down / Stranding Surveys: As Reclamation reduces the dam releases to the required Table 2 releases, surveys have been conducted by COMB-FD staff to look for stranded fish as the river flows recede into the lower flow channels. Reclamation reduced dam releases from approximately 40 cfs to approximately 20 cfs between 9/27/23 and 10/2/23. As of 10/18/23, the total release rate from Lake Cachuma was 18.1 cfs where it is expected to stay through the rest of the fall. No further ramp-down has been scheduled.

Ramp-down and stranding surveys were conducted during that process and a final report will be provided to Reclamation once releases reach the required Table 2 flows.

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

Snorkel surveys: Snorkel surveys for *O. mykiss* and non-native fish in the LSYR mainstem and tributaries are conducted two times a year (Spring and Fall). The Fall Snorkel Survey is in process and will be completed by the end of November. The results are presented in the annual monitoring report.

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

The minimum target flow of 2 cfs to Hilton Creek was met throughout September with HCWS gravity flow to the URP and a small amount to the LRP (between 5.6 and 6.6 cfs total) and upper basin flows (approximately 0.2 cfs) for a total of approximately 6.8 cfs recorded by the USGS at the LRP that includes sustaining upper basin flows (often the USGS and USBR discharge readings do not match).

Bradbury Dam releases have been keeping river flows at the Highway 154 Bridge and the Alisal Bridge well above Table 2 compliance flows (5 cfs as of 10/1/23). Target flows at the Alisal Bridge and Highway 154 Bridge are being met as recorded by the USGS at each site of approximately 12.6 cfs and 20.1 cfs, respectively. The new USGS stream gage at the Highway 154 Bridge is operating as designed and contracted. This is a low flow gage and continually records stage, but river discharges up to 65 cfs (now reporting as of 6/20/23 due reductions in dam releases). USBR continues to work with the State Board to modify Term 18 and Term 25 to officially move the target flow compliance point to the new USGS gage site.

Tributary Project Updates:

Upon securing all the required permits and access agreements, the Quiota Creek Fish Passage Enhancement Project at Crossing 5 and Crossing 9 started on 10/16/23. The effort at Crossing 5 will be completed by 10/25/23 and at Crossing 9 by 11/17/23. The contractor for the project, Peter Lapidus Construction, is doing an excellent job and the project should be completed on time and within budget. During the next Board meeting, a full report will be provided with financials and photo documentation.

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

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

- The 1/9/23 storm damaged the HCWS pumping barge and all of the electrical systems on that barge went under water and now need to be replaced. The anchoring cables had to be cut by Reclamation to right that barge that is now holding position by the attached submerged delivery pipeline (both in and out). Lake water is currently flowing

by gravity from the Intake Barge to Hilton Creek and will continue to do so for the unforeseen future given that the lake is full.

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

Bradbury Dam Operations and Repairs:

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

- On 4/11/23 and 4/12/23, Reclamation closed the Slide Gate on the Bradbury Dam Penstock to the Outlet Works and successfully replaced the stuck 30-inch valve with a blind flange then reopened the Slide Gate. The Outlet Works can now release lake water to the LSYR through one 30-inch valve and one 10-inch valve. Once that damaged valve is reconditioned, it will be reinstalled, and the other 30-inch valve will be removed and reconditioned. This operation has not been scheduled.
- During the week of 8/21/23, Reclamation replaced all of the Bradbury Dam radial gate lifting motors to return them to full operational condition.
- The replacement of the refurbished 30-inch Outlet Works valve is tentatively scheduled for some time in November. Reclamation will provide further details shortly.

Surcharge Water Accounting:

The following table summarizes the amount of surcharge water (defined as the amount of storage added to the lake by installing the flashboards to the top of the four radial gates to take the maximum lake elevation from 750 ft to 753 ft) used to date from each of the three accounts (Fish Passage Supplementation, Adaptive Management, and Fish Rearing) plus Unallocated Project Water at the end of last month (Table 1). All numbers are from the USBR's Daily Operations Report. The start time for the use of the Surcharge Water Accounts and Project Yield is the day following the last day of full surcharge and the end of the last spill event (prior to this wet year, it was 5/27/11). With the magnitude of this year's spill and current dam releases, all Surcharge Water Accounts are once again full and are reflected in Table 1 using the 2021 bathymetric survey values. For the moment, USBR officially declared the end of the 2023 spill on 6/30/23 and has been debiting all dam releases to the fish accounts starting on 7/1/23 onward which is reflected in Table 1. This may change with further discussion.

Table 1: Summary of the surcharge water accounting and use of Project Yield as of 10/18/23, using the 2021 bathymetric survey data.

Accounts*	Allocation	Amount Used**	Amount Remaining
Units:	(acre-feet)	(acre-feet)	(acre-feet)
Fish Passage Supplementation			
WY2023	3,200	0	3,200
Adaptive Management	500	0	500
Fish Rearing***	5,527	5,527	0
Unallocated Project Water		2,355	-
Total:	9,227	7,882	3,700
* Originally was 9,200 af, 8,942 af in 2008, 9,184 af in 2013, and 9,227 af in 2021.			
** Values as of 9/30/23.			
*** This water is for meeting required target flows. This is not an official account and is what remains after subtracting the other two accounts.			

Reporting / Outreach / Training:

Reporting: Staff has been assisting USBR upon request in reviewing draft sections and conducting data analyses for their preparation of the new draft Biological Assessment and WR 2019-0148 required Plans. Staff has started working on the WY2023 Annual Monitoring Summary and Annual Monitoring Report, with a draft expected at the end of the calendar year.

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

Consultant Activity Summary:

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

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

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	October 23, 2023
Submitted by:	Tim Robinson and Scott Volan
Approved by:	Janet Gingras

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

RECOMMENDATION:

The Board of Directors receive information on the 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 October 2022 to the present (9/1/22 – 10/23/23, Table 1). Labor and expenses as well as water usage for the entire fiscal year (July 2022 - June 2023) are tracked separately and reported as necessary as recommended by the Lake Cachuma Oak Tree Committee. COMB staff continues to rely on the Fisheries Division (FD) seasonal employees whenever possible to conduct most of the oak tree work in the field. The 2015 Lakeshore Inventory was completed and reviewed by the Lake Cachuma Oak Tree Committee on 2/25/16, which set the mitigation numbers for the Program. The 2022 Annual Report with the annual inventory and Fiscal Year 2022-23 financials was completed and reviewed by the Lake Cachuma Oak Tree Committee on 9/14/23 and provided to the COMB Board on 9/25/23 that recommended going forward with only maintaining the currently planted oak trees. The COMB Board agreed with that directive.

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

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

¹ Oak tree inventory.

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

SPECIFIC TASKS

Tree Irrigating/Weeding

Staff continued to irrigate and weed the newer age classes of oak trees (Year 11 through 13) at Santa Barbara County Park and Live Oak Camp. Hand weeding was conducted as needed at the base of some trees.

Tree Planting

This effort has been concluded for the year.

Annual Inventory

The 2023 Annual Inventory of all year classes will begin in December of this year and will be reported in the 2023 Annual Report.

End of Program Plan

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

COMMITTEE STATUS:

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

LIST OF EXHIBITS:

N/A



October 2023

Day ¹	Lake Cachuma				Rainfall		Evaporation ³		CCWA Inflow	Release					Computed Inflow ⁵	
	Elevation	Storage ²	Change in Storage	Surface Area						Park Use	Tunnel	Hilton Creek	WR 89-18	Outlet ⁴		Spillway
SHEF Tag→	HL	LS	LC		PP	PPAF	EV	EVAF	QICWA		QUTEC	QUHIL	QUWATR	QU	QS	QI
	ft	acre-feet	acre-feet	acres	inches	acre-feet	inches	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet
30	748.56	179,435														
1	748.52	179,316	(118.9)	2,972.6	0.01	2.5	0.090	16.72	-	-	61.11	13.30	-	32.00	-	1.78
2	748.48	179,197	(118.9)	2,971.1	-	-	0.120	22.28	-	-	38.68	13.34	-	28.00	-	(16.57)
3	748.44	179,078	(118.9)	2,969.7	-	-	0.170	31.55	2.00	-	47.64	13.37	-	23.00	-	(5.31)
4	748.41	178,989	(89.2)	2,968.6	-	-	0.170	31.54	1.30	-	52.20	13.32	-	24.00	-	30.61
5	748.37	178,870	(118.9)	2,967.2	-	-	0.230	42.65	3.09	-	50.95	13.34	-	23.00	-	7.98
6	748.34	178,781	(89.2)	2,966.1	-	-	0.260	48.20	0.99	-	56.75	13.28	-	24.00	-	52.09
7	748.30	178,662	(118.9)	2,964.7	-	-	0.280	51.88	-	-	63.23	13.36	-	23.00	-	32.59
8	748.24	178,484	(178.3)	2,962.5	-	-	0.240	44.44	-	-	63.13	13.28	-	23.00	-	(34.47)
9	748.22	178,425	(59.4)	2,961.8	-	-	0.200	37.02	-	-	38.92	13.34	-	23.00	-	52.84
10	748.18	178,306	(118.9)	2,960.4	-	-	0.140	25.90	-	-	39.88	13.26	-	23.00	-	(16.83)
11	748.14	178,187	(118.9)	2,958.9	-	-	0.170	31.44	-	-	45.20	13.26	-	23.00	-	(5.97)
12	748.09	178,038	(148.6)	2,957.1	-	-	0.220	40.66	-	-	54.64	13.26	-	23.00	-	(17.03)
13	748.05	177,919	(118.9)	2,955.7	-	-	0.150	27.71	-	-	50.04	13.25	-	23.00	-	(4.87)
14	748.01	177,801	(118.9)	2,954.2	-	-	0.150	27.70	-	-	49.90	13.30	-	23.00	-	(4.98)
15	747.97	177,683	(117.8)	2,952.8	-	-	0.200	36.91	-	-	50.33	13.25	-	23.00	-	5.67
16	747.92	177,536	(146.8)	2,951.1	-	-	0.170	31.36	-	-	50.76	13.19	-	23.00	-	(28.53)
17	747.89	177,448	(88.1)	2,950.1	-	-	0.180	33.19	-	-	36.93	13.25	-	23.00	-	18.26
18	747.86	177,360	(88.1)	2,949.1	-	-	0.140	25.80	-	-	69.53	13.24	-	23.00	-	43.47
19	747.82	177,242	(117.5)	2,947.7	-	-	0.180	33.16	-	-	56.56	13.19	-	23.00	-	8.44
Total			(2,192.86)		0.01	2.48	3.460	640.12	7.38	-	976.39	252.38	-	453.00	-	119.17
Minimum	747.82	177,242	(178.31)	2,947.72	-	-	0.090	16.72	-	-	36.93	13.19	-	23.00	-	(34.47)
Average	748.17	178,280	(115.41)	2,960.08	0.00	0.13	0.182	33.69	0.39	-	51.39	13.28	-	23.84	-	6.27
Maximum	748.52	179,316	(59.44)	2,972.59	0.01	2.48	0.280	51.88	3.09	-	69.53	13.37	-	32.00	-	52.84

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 October pan factor: 75%
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: September 2023**



Cachuma Lake Recreation Area Launch Data -- September 2023		
Inspection Data		
Total Vessels Entering Park	439	
Total Vessels Launched	424	
Total Vessels Quarantined	15	
Returning (Tagged) Boats Launched	308	73%
Kayak/Canoe: Inspected, launched	116	27%
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	1	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	15	
Demographic Data		
Quarantined from infected county	1	
Quarantined from SB County	14	
Quarantined from uninfected co	0	

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

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

* These conditions are no longer being tracked.

EARLY DETECTION MONITORING PROGRAM SUMMARY

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

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

Plankton Tow Inspection Dates: 2023.9.18 and 2023.09.25

Artificial Substrate & Surface Survey Date: 2023.09.18

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

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

Lake elevation: Max feet: 753.00, current 748.56; Max acre-feet: 192,978, current: 179,436;

Capacity: 93% At of the end of the survey month.