



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

**Monday, October 24, 2022
1:00 P.M.**

BY TELECONFERENCE

NOTICE: Pursuant to California Government Code sections 54953(b)(1), (b)(2), (e)(1) and (e)(3) (AB 361), members of the Cachuma Operation & Maintenance Board (COMB) Board of Directors, staff, and members of the public will participate in this meeting electronically by video and/or teleconference, as described below.

HOW TO OBSERVE THE MEETING

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

Join via Video Conference

<https://us02web.zoom.us/j/89593892815?pwd=WEpIKzRrS0dwRjloMjd4Um0zTnY2QT09>

Passcode: 120888

Join via Teleconference

US: +16699006833 Webinar ID: 895 9389 2815 Passcode: 120888

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.

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

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

AMERICANS WITH DISABILITIES ACT

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

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

Monday, October 24, 2022

1:00 PM

AGENDA

NOTICE: This Meeting shall be conducted through remote access as authorized and in accordance with Government Code section 54953 and the California Governor's Executive Order's N-08-21, N-15-21 and as amended by AB 361.

- 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 26, 2022 Regular Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Review of Paid Claims
- 4. RESOLUTION NO. 767 – CONFIRMATION OF LOCAL EMERGENCY - RATIFICATION OF GOVERNOR NEWSOM'S DECLARED STATE OF EMERGENCY (HEALTH AND SAFETY)**
Action: Recommend approval by motion and roll call vote of the Board
- 5. VERBAL REPORTS FROM BOARD COMMITTEES**
Receive verbal information regarding the following committee meetings:
 - Operations Committee Meeting - October 18, 2022
- 6. FINANCIAL REVIEW – 1ST QUARTER FISCAL YEAR 2022-23**
Action: Receive and file information on the 1st Quarter Fiscal Year 2022-23 Financial Review
- 7. WATER YEAR 2021-22 MODELING RESULTS**
Receive information from staff on the Water Year 2021–22 Modeling Results (Projected to Actuals)
- 8. RESOLUTION NO. 768 - OPERATIONS DIVISION SPECIAL PROJECTS – WATER QUALITY AND SEDIMENT MANAGEMENT STUDY – PHASE II**
Action: Recommend adoption by motion and roll call vote of the Board

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9. GENERAL MANAGER REPORT

Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:

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

10. ENGINEER'S REPORT

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

- Climate Conditions
- Lake Elevation Projections
- Infrastructure Improvement Projects

11. OPERATIONS DIVISION REPORT

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

- Lake Cachuma Operations
- Operation and Maintenance Activities

12. FISHERIES DIVISION REPORT

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

- LSYSR Steelhead Monitoring Elements
- Tributary Project Updates
- Surcharge Water Accounting
- Reporting/Outreach/Training

13. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

Receive information regarding the Lake Cachuma Oak Tree Program including but not limited to the following:

- Maintenance and Monitoring

14. 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

15. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

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

- a. [Government Code Section 54956.9(d)(1)]
Name of matter: *Kimball-Griffith L.P. v. Brenda Wren Burman, et al.*, Case No. 2:20-cv-10647
– Request for Declaratory and Injunctive Relief
- b. Potential Litigation: Conference with Legal Counsel
- c. Potential Litigation: Conference with Legal Counsel

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17. RECONVENE INTO OPEN SESSION

[Government Code Section 54957.7]

Disclosure of actions taken in closed session, as applicable

[Government Code Section 54957.1]

16a. Name of matter: *Kimball-Griffith L.P. v. Brenda Wren Burman, et al.*, Case No. 2:20-cv-10647
– Request for Declaratory and Injunctive Relief

16b. Potential Litigation: Conference with Legal Counsel

16c. Potential Litigation: Conference with Legal Counsel

18. MEETING SCHEDULE

- **November 14, 2022 at 1:00 PM**
- **Board Packages available on COMB website www.cachuma-board.org**

19. 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 A REGULAR MEETING
OF THE
CACHUMA OPERATION AND MAINTENANCE BOARD
Monday, September 26, 2022
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 1:14 PM.

All attendees participated electronically pursuant to California Government Code sections 54953(b)(1), (b)(2), (e)(1) and (e)(3) (AB 361).

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	Shane King, Operations Supervisor
Edward Lyons, Administrative Manager/CFO	Timothy Robinson, Fisheries Division Manager
Joel Degner, Engineer/Operations Division Manager	Dorothy Turner, Administrative Assistant

Others Present:

Catherine Taylor, City of Santa Barbara	Matt Young, COSB Water Agency
Nicolas Turner, Montecito Water District	

2. PUBLIC COMMENT

There was no public comment.

3. RESOLUTION NO. 766 – CONFIRMATION OF LOCAL EMERGENCY - RATIFICATION OF GOVERNOR NEWSOM’S DECLARED STATE OF EMERGENCY (HEALTH AND SAFETY)

Resolution No. 766 was presented to the Board. As there was no discussion, the President called for a motion. Director Hanson motioned to approve the resolution followed by a second from Director Sneddon. The motion carried with a vote of five in favor and one opposed.

Ayes: Sneddon, Hanson, Holcombe

Nays: Hayman

Absent:

Abstain:

5. CONSENT AGENDA

- a. Minutes of August 22, 2022 Regular Board Meeting
- b. Investment of Funds
 - Financial Reports
 - Investment Reports
- c. Review of Paid Claims

Ms. Gingras presented the Consent Agenda for consideration and invited Mr. Lyons to comment on the financials. Mr. Lyons reviewed revenues received and highlighted various expenditures of note, including payments to Santa Barbara Office Interiors, Quinn Cat, Total Compensation and Cushman Contracting.

Director Hayman provided a motion to approve the Consent Agenda. Director Sneddon seconded the motion which carried unanimously with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nays:

Absent:

Abstain:

6. VERBAL REPORTS FROM BOARD COMMITTEES

- Lake Cachuma Oak Tree Committee Meeting – September 16, 2022

Director Hayman reviewed the Oak Tree Committee meeting briefly and noted that the action item is before the Board today for consideration.

7. LAKE CACHUMA OAK TREE RESTORATION PROGRAM – FISCAL YEAR 2022-23

Mr. Robinson presented the Oak Tree Restoration Program for fiscal year 2022-23 to the Board. He concentrated his discussion on the executive summary section, noting the numbers of trees planted and adopted and the percentage still living. Mr. Robinson reported that nine more trees would fulfill the mitigation target. Fiscal year plans are to plant sixty trees so as to provide a margin of error in the total trees and account for any mortalities. Finally, he reviewed the finances for the program budgeted for this fiscal year. The Board expressed their appreciation.

Director Hayman motioned to approve the plans for this fiscal year, followed by a second from Director Sneddon. The motion passed unanimously with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nays:

Absent:

Abstain:

8. LAKE CACHUMA EMERGENCY PUMPING FACILITY SECURED PIPELINE PROJECT – STATUS REPORT

Mr. Degner provided the Board with an update on the Emergency Pumping Facility Secured Pipeline project now under way. Additionally, he reported that dredging of gate five would finish soon and the silt screen installed around the intake tower is successfully controlling turbidity to lessen treatment plant

impact. Finally, he reported that costs accrued to date were roughly 25% of the budgeted amount. Mr. Degner fielded questions & comments from the Board.

9. GENERAL MANAGER REPORT

- Administration / Staff Training
- Virtual Meetings

Ms. Gingras presented the General Manager report, highlighting recent staff training through California Special Districts Association and ACWA JPIA. She noted that staff had also attended an American Water Works Association cybersecurity webinar and held a follow-up discussion with the IT vendor. Ms. Gingras added staff had attended an Employee Benefits webinar in preparation for the commencement of open enrollment. Finally she summarized the recent Office of Emergency Management meeting which included an interesting Americans with Disabilities Act presentation.

10. ENGINEER'S REPORT

- Climate Conditions
- Lake Elevation Projection
- Infrastructure Improvement Projects

Mr. Degner presented the Engineer's Report, providing updates on climate, the recent record heatwave, precipitation and its impact on the watersheds. He noted that fire risk is still high. Mr. Degner also reviewed the status of the downstream water rights release and its impact on lake level. Based on current drought status, the Board should expect a request to approve the installation of the pumping barge in February or March. Finally, Mr. Degner provided updates on the expected allocation from Reclamation and the Infrastructure Improvement Projects.

11. OPERATIONS DIVISION REPORT

- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. King presented the Operations Division Report, reporting that staff pulled the insertion meter at the North Portal prior to beginning of the dredging and took the opportunity to calibrate it. He advised that there were no issues with the sanitary survey conducted by the State Water Resources Control Board, DWOCP. Mr. King provided updates on structure maintenance and noted that staff has been monitoring the work on the secured pipeline closely. He fielded comments from the Board.

12. FISHERIES DIVISION REPORT

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

Mr. Robinson presented the Fisheries Division Report, commenting that the outset of the month had been challenging with respect to Hilton Creek. He summarized the various issues that arose, reporting their impact on the fish and ultimately their solutions. He was happy to report that the Hwy 154 USGS Stream Gauges is installed and online, already sending telemetry data. Mr. Robinson reported staff participation in an Airborne Visible Infra-Red Imaging Spectrometer (AVIRIS) overflight of the lake,

during which COMB also took water quality samples. The AVIRIS overflight was a joint research-gathering effort of JPL, NASA and UCSB. Mr. Robinson fielded questions from the Board.

13. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

- Maintenance and Monitoring

Mr. Robinson presented the Oak Tree program report, advising that irrigation is ongoing and the trees are setting acorns. He noted that staff will gather a few acorns to provide to the nursery for germination. Mr. Robinson expressed his hope that the dry year will not impact the young trees heavily.

14. MONTHLY CACHUMA PROJECT REPORTS

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

Ms. Gingras stated that there was nothing of note in the Cachuma reports, however, she will continue to follow up with Reclamation on the Accumulated Drought Water Credit adjustment and keep the Board apprised of its status.

15. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

There were no requests from Directors for future meetings.

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

- a. [Government Code Section 54956.9(d)(1)]
Name of matter: *Kimball-Griffith L.P. v. Brenda Wren Burman, et al.*, Case No. 2:20-cv-10647
– Request for Declaratory and Injunctive Relief
- b. Potential Litigation: Conference with Legal Counsel
- c. Potential Litigation: Conference with Legal Counsel

The Board adjourned into Closed Session at 2:35 PM.

17. RECONVENE INTO OPEN SESSION

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

- 15a. Name of matter: *Kimball-Griffith L.P. v. Brenda Wren Burman, et al.*, Case No. 2:20-cv-10647
– Request for Declaratory and Injunctive Relief
- 15b. Potential Litigation: Conference with Legal Counsel
- 15c. Potential Litigation: Conference with Legal Counsel

The Board reconvened into Open Session at 2:54 PM. There was no reportable action for any of 15a., 15b. or 15c.

18. MEETING SCHEDULE

- **October 24, 2022 at 1:00 PM**
- **Board Packages available on COMB website www.cachuma-board.org**

19. COMB ADJOURNMENT

There being no further business, the meeting was adjourned at 2:56 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, 2022

UNAUDITED

September 30, 2022

ASSETS

Current Assets

Checking/Savings

Trust Funds

1210 · Warren Act Trust Fund

\$ 313,002.72

1220 · Renewal Fund

55,285.20

Total Trust Funds

\$ 368,287.92

1050 · General Fund

1,441,327.04

1100 · Revolving Fund

59,093.96

Total Checking/Savings

1,868,708.92

Accounts Receivable

1301 · Accounts Receivable

1,570.00

Total Accounts Receivable

1,570.00

Other Current Assets

1010 · Petty Cash

500.00

1200 · LAIF

1,244,714.25

1303 · Bradbury SOD Act Assessments Receivable

220,819.00

1304 · Lauro Dam SOD Assessments Receivable

33,776.14

1305 · Accrued Interest Receivable

2,152.92

1309 · Grants Receivable

743,950.00

1400 · Prepaid Insurance

11,512.72

1900 · Deposits

5,868.34

Total Other Current Assets

2,263,293.37

Total Current Assets

4,133,572.29

Fixed Assets

1500 · Vehicles

514,898.60

1505 · Office Furniture & Equipment

258,022.85

1510 · Mobile Offices

424,910.38

1515 · Field Equipment

546,703.62

1525 · Paving

38,351.00

1530 · Construction in Progress

258,766.83

1550 · Accumulated Depreciation

(1,084,071.34)

Total Fixed Assets

957,581.94

Other Assets

1910 · Long Term Bradbury SOD Act Assessments Receivable

3,836,553.07

1920 · Long Term Lauro SOD Act Assessments Receivable

705,536.76

1922 · Deferred Outflow of Resources (GASB 68)

497,209.00

1923 · Deferred Outflow (GASB 75)

870,598.00

Total Other Assets

5,909,896.83

TOTAL ASSETS

\$ 11,001,051.06

Cachuma Operation & Maintenance Board

Statement of Net Position

As of September 30, 2022

UNAUDITED

September 30, 2022

LIABILITIES & NET POSITION

Liabilities

Current Liabilities

Accounts Payable

2200 · Accounts Payable

\$ 1,053,649.96

Total Accounts Payable

1,053,649.96

Other Current Liabilities

2505 · Accrued Wages

26,770.37

2550 · Vacation/Sick

223,146.58

2561 · Bradbury Dam SOD Act

220,818.99

2563 · Lauro Dam SOD Act

33,776.14

2565 · Accrued Interest SOD Act

40,842.00

2590 · Deferred Revenue

368,287.92

2594 · Deferred Revenue - Assessments

599,085.52

2595 · Deferred Revenue - Oak Tree

2,690.43

Total Other Current Liabilities

1,515,417.95

Total Current Liabilities

2,569,067.91

Long Term Liabilities

2602 · Long Term SOD Act Liability-Bradbury

3,836,543.07

2603 · Long Term SOD Act Liability - Lauro

705,536.76

2604 · OPEB Long Term Liability

5,789,486.00

2610 · Net Pension Liability (GASB 68)

2,078,203.00

2611 · Deferred Inflow of Resources (GASB 68)

103,202.00

2612 · Deferred Inflow of Resources (GASB 75)

588,356.00

Total Long Term Liabilities

13,101,326.83

Total Liabilities

15,670,394.74

Net Position

3000 · Opening Balance Net Position

(5,296,580.05)

3901 · Retained Net Assets

95,004.65

Net Surplus / Deficit

532,231.72

Total Net Position

(4,669,343.68)

TOTAL LIABILITIES & NET POSITION

\$ 11,001,051.06

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures (Unaudited)
 Budget vs. Actuals July 2022 - June 2023

	Fisheries				Operations				TOTAL			
	Jul - Sep 22	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Sep 22	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Sep 22	Budget	\$ Over / (Under) Budget	% of Budget
Revenue												
3000 REVENUE												
3001 · O&M Budget (Qtrly Assessments)	\$ 369,149.00	\$ 1,153,196.00	\$ (784,047.00)	32.01%	\$ 2,041,328.00	\$ 4,951,331.00	\$ (2,910,003.00)	41.23%	\$ 2,410,477.00	\$ 6,104,527.00	\$ (3,694,050.00)	39.49%
3006 · Warren Act	0.00	118,293.00	-118,293.00	0.0%	0.00				0.00	118,293.00	-118,293.00	0.0%
3007 · Renewal Fund	0.00	155,723.00	-155,723.00	0.0%	0.00				0.00	155,723.00	-155,723.00	0.0%
3010 · Interest Income	0.00				2,152.92	0.00	2,152.92	100.0%	2,152.92	0.00	2,152.92	100.0%
3020 · Misc Income	0.00				1,126.00	0.00	1,126.00	100.0%	1,126.00	0.00	1,126.00	100.0%
3021 · Grant Income	0.00				442.00	0.00	442.00	100.0%	442.00	0.00	442.00	100.0%
3035 · Cachuma Project Betterment Fund	0.00	90,000.00	-90,000.00	0.0%	0.00				0.00	90,000.00	-90,000.00	0.0%
3044 · DWR Drought Relief Grant	0.00				0.00	2,250,000.00	-2,250,000.00	0.0%	0.00	2,250,000.00	-2,250,000.00	0.0%
3045 · USBR WaterSmart Grant	0.00				743,950.00	750,000.00	-6,050.00	99.19%	743,950.00	750,000.00	-6,050.00	99.19%
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%
Total 3000 REVENUE	\$ 369,149.00	\$ 1,517,212.00	\$ (1,148,063.00)	24.33%	\$ 2,788,998.92	\$ 8,501,331.00	\$ (5,712,332.08)	32.81%	\$ 3,158,147.92	\$ 10,018,543.00	\$ (6,860,395.08)	31.52%
Expense												
3100 · LABOR - OPERATIONS	\$ -	\$ -	\$ -	0.0%	\$ 254,250.50	\$ 1,090,525.00	\$ (836,274.50)	23.32%	\$ 254,250.50	\$ 1,090,525.00	\$ (836,274.50)	23.32%
3200 VEH & EQUIPMENT												
3201 · Vehicle/Equip Mtce	0.00				10,648.00	40,000.00	-29,352.00	26.62%	10,648.00	40,000.00	-29,352.00	26.62%
3202 · Fixed Capital	0.00				0.00	150,000.00	-150,000.00	0.0%	0.00	150,000.00	-150,000.00	0.0%
3203 · Equipment Rental	0.00				0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	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				10,648.00	205,000.00	-194,352.00	5.19%	10,648.00	205,000.00	-194,352.00	5.19%
3300 · CONTRACT LABOR												
3301 · Conduit, Meter, Valve & Misc	0.00				2,080.24	20,000.00	-17,919.76	10.4%	2,080.24	20,000.00	-17,919.76	10.4%
3302 · Buildings & Roads	0.00				0.00	20,000.00	-20,000.00	0.0%	0.00	20,000.00	-20,000.00	0.0%
3303 · Reservoirs	0.00				2,210.19	60,000.00	-57,789.81	3.68%	2,210.19	60,000.00	-57,789.81	3.68%
3304 · Engineering, Misc Services	0.00				0.00	30,000.00	-30,000.00	0.0%	0.00	30,000.00	-30,000.00	0.0%
Total 3300 · CONTRACT LABOR	0.00				4,290.43	130,000.00	-125,709.57	3.3%	4,290.43	130,000.00	-125,709.57	3.3%
3400 · MATERIALS & SUPPLIES												
3401 · Conduit, Meter, Valve & Misc	0.00				6,370.81	65,000.00	-58,629.19	9.8%	6,370.81	65,000.00	-58,629.19	9.8%
3402 · Buildings & Roads	0.00				0.00	15,000.00	-15,000.00	0.0%	0.00	15,000.00	-15,000.00	0.0%
3403 · Reservoirs	0.00				12.45	5,000.00	-4,987.55	0.25%	12.45	5,000.00	-4,987.55	0.25%
Total 3400 · MATERIALS & SUPPLIES	0.00				6,383.26	85,000.00	-78,616.74	7.51%	6,383.26	85,000.00	-78,616.74	7.51%
3500 · OTHER EXPENSES												
3501 · Utilities	0.00				1,543.25	7,000.00	-5,456.75	22.05%	1,543.25	7,000.00	-5,456.75	22.05%
3502 · Uniforms	0.00				0.00	5,750.00	-5,750.00	0.0%	0.00	5,750.00	-5,750.00	0.0%
3503 · Communications	0.00				2,300.05	15,800.00	-13,499.95	14.56%	2,300.05	15,800.00	-13,499.95	14.56%
3504 · USA & Other Services	0.00				2,403.85	7,250.00	-4,846.15	33.16%	2,403.85	7,250.00	-4,846.15	33.16%
3505 · Miscellaneous	0.00				2,318.28	12,000.00	-9,681.72	19.32%	2,318.28	12,000.00	-9,681.72	19.32%
3506 · Training	0.00				889.99	3,000.00	-2,110.01	29.67%	889.99	3,000.00	-2,110.01	29.67%
Total 3500 · OTHER EXPENSES	0.00				9,455.42	50,800.00	-41,344.58	18.61%	9,455.42	50,800.00	-41,344.58	18.61%
4100 · LABOR - FISHERIES	197,992.34	785,564.00	-587,571.66	25.2%	0.00				197,992.34	785,564.00	-587,571.66	25.2%

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures (Unaudited)
 Budget vs. Actuals July 2022 - June 2023

	Fisheries				Operations				TOTAL			
	Jul - Sep 22	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Sep 22	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Sep 22	Budget	\$ Over / (Under) Budget	% of Budget
	4200 · VEHICLES & EQUIP - FISHERIES											
4270 · Vehicle/Equip Mtce	6,633.94	30,000.00	-23,366.06	22.11%	0.00				6,633.94	30,000.00	-23,366.06	22.11%
4280 · Fixed Capital	0.00	90,000.00	-90,000.00	0.0%	0.00				0.00	90,000.00	-90,000.00	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	6,633.94	122,500.00	-115,866.06	5.42%	0.00				6,633.94	122,500.00	-115,866.06	5.42%
4220 · CONTRACT LABOR - FISHERIES												
4221 · Meters & Valves	0.00	3,000.00	-3,000.00	0.0%	0.00				0.00	3,000.00	-3,000.00	0.0%
4222 · Fish Projects Maintenance	0.00	11,100.00	-11,100.00	0.0%	0.00				0.00	11,100.00	-11,100.00	0.0%
Total 4220 · CONTRACT LABOR - FISHERIES	0.00	14,100.00	-14,100.00	0.0%	0.00				0.00	14,100.00	-14,100.00	0.0%
4300 · MATERIALS/SUPPLIES - FISHERIES												
4390 · Miscellaneous	1,704.21	7,000.00	-5,295.79	24.35%	0.00				1,704.21	7,000.00	-5,295.79	24.35%
Total 4300 · MATERIALS/SUPPLIES - FISHERIES	1,704.21	7,000.00	-5,295.79	24.35%	0.00				1,704.21	7,000.00	-5,295.79	24.35%
4500 · OTHER EXPENSES - FISHERIES												
4502 · Uniforms	0.00	5,000.00	-5,000.00	0.0%	0.00				0.00	5,000.00	-5,000.00	0.0%
Total 4500 · OTHER EXPENSES - FISHERIES	0.00	5,000.00	-5,000.00	0.0%	0.00				0.00	5,000.00	-5,000.00	0.0%
4999 · GENERAL & ADMINISTRATIVE												
5000 · Director Fees	0.00				1,224.60	12,400.00	-11,175.40	9.88%	1,224.60	12,400.00	-11,175.40	9.88%
5001 · Director Mileage	0.00				0.00	600.00	-600.00	0.0%	0.00	600.00	-600.00	0.0%
5100 · Legal	0.00				10,164.09	75,000.00	-64,835.91	13.55%	10,164.09	75,000.00	-64,835.91	13.55%
5101 · Audit	0.00				6,568.90	22,750.00	-16,181.10	28.87%	6,568.90	22,750.00	-16,181.10	28.87%
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				6,416.99	33,326.00	-26,909.01	19.26%	6,416.99	33,326.00	-26,909.01	19.26%
5310 · Postage/Office Exp	0.00				2,169.45	6,000.00	-3,830.55	36.16%	2,169.45	6,000.00	-3,830.55	36.16%
5311 · Office Equip/Leases	0.00				1,839.28	13,440.00	-11,600.72	13.69%	1,839.28	13,440.00	-11,600.72	13.69%
5312 · Misc Admin Expenses	0.00				1,892.21	14,000.00	-12,107.79	13.52%	1,892.21	14,000.00	-12,107.79	13.52%
5313 · Communications	0.00				2,130.48	9,500.00	-7,369.52	22.43%	2,130.48	9,500.00	-7,369.52	22.43%
5314 · Utilities	0.00				1,627.43	9,737.00	-8,109.57	16.71%	1,627.43	9,737.00	-8,109.57	16.71%
5315 · Membership Dues	0.00				148.85	11,450.00	-11,301.15	1.3%	148.85	11,450.00	-11,301.15	1.3%
5316 · Admin Fixed Assets	0.00				581.31	8,000.00	-7,418.69	7.27%	581.31	8,000.00	-7,418.69	7.27%
5318 · Computer Consultant	0.00				4,032.02	25,000.00	-20,967.98	16.13%	4,032.02	25,000.00	-20,967.98	16.13%
5325 · Emp Training/Subscriptions	0.00				0.00	2,000.00	-2,000.00	0.0%	0.00	2,000.00	-2,000.00	0.0%
5330 · Admin Travel/Conferences	0.00				1,527.45	2,000.00	-472.55	76.37%	1,527.45	2,000.00	-472.55	76.37%
5331 · Public Information	0.00				585.00	3,500.00	-2,915.00	16.71%	585.00	3,500.00	-2,915.00	16.71%
Total 4999 · GENERAL & ADMINISTRATIVE	0.00				40,908.06	253,703.00	-212,794.94	16.12%	40,908.06	253,703.00	-212,794.94	16.12%
5299 · ADMIN LABOR	0.00				152,031.02	631,303.00	-479,271.98	24.08%	152,031.02	631,303.00	-479,271.98	24.08%
5400 · GENERAL & ADMIN - FISHERIES												
5407 · Legal - FD	1,633.00	25,000.00	-23,367.00	6.53%	0.00				1,633.00	25,000.00	-23,367.00	6.53%
5410 · Postage / Office Supplies	1,208.55	4,000.00	-2,791.45	30.21%	0.00				1,208.55	4,000.00	-2,791.45	30.21%
5411 · Office Equipment / Leases	918.38	8,533.00	-7,614.62	10.76%	0.00				918.38	8,533.00	-7,614.62	10.76%
5412 · Misc. Admin Expense	1,018.89	7,500.00	-6,481.11	13.59%	0.00				1,018.89	7,500.00	-6,481.11	13.59%
5413 · Communications	1,147.18	4,455.00	-3,307.82	25.75%	0.00				1,147.18	4,455.00	-3,307.82	25.75%
5414 · Utilities	876.31	5,243.00	-4,366.69	16.71%	0.00				876.31	5,243.00	-4,366.69	16.71%
5415 · Membership Dues	80.15	7,200.00	-7,119.85	1.11%	0.00				80.15	7,200.00	-7,119.85	1.11%
5416 · Admin Fixed Assets	313.02	3,000.00	-2,686.98	10.43%	0.00				313.02	3,000.00	-2,686.98	10.43%
5418 · Computer Consultant	2,171.08	15,000.00	-12,828.92	14.47%	0.00				2,171.08	15,000.00	-12,828.92	14.47%
5425 · Employee Education/Subscription	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%
5426 · Director Fees	659.40	6,700.00	-6,040.60	9.84%	0.00				659.40	6,700.00	-6,040.60	9.84%

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures (Unaudited)
 Budget vs. Actuals July 2022 - June 2023

	Fisheries				Operations				TOTAL			
	Jul - Sep 22	Budget	\$ Over / (Under)		Jul - Sep 22	Budget	\$ Over / (Under)		Jul - Sep 22	Budget	\$ Over / (Under)	
			Budget	% of Budget			Budget	% of Budget			Budget	% of Budget
5427 · Director Mileage	0.00	300.00	-300.00	0.0%	0.00				0.00	300.00	-300.00	0.0%
5430 · Travel	2,523.89	2,500.00	23.89	100.96%	0.00				2,523.89	2,500.00	23.89	100.96%
5431 · Public Information	315.00	1,500.00	-1,185.00	21.0%	0.00				315.00	1,500.00	-1,185.00	21.0%
5441 · Audit	3,537.10	12,250.00	-8,712.90	28.87%	0.00				3,537.10	12,250.00	-8,712.90	28.87%
5443 · Liab & Property Ins	3,455.29	17,745.00	-14,289.71	19.47%	0.00				3,455.29	17,745.00	-14,289.71	19.47%
Total 5400 · GENERAL & ADMIN - FISHERIES	19,857.24	123,426.00	-103,568.76	16.09%	0.00				19,857.24	123,426.00	-103,568.76	16.09%
5499 · ADMIN LABOR-FISHERIES	60,522.40	274,622.00	-214,099.60	22.04%	0.00				60,522.40	274,622.00	-214,099.60	22.04%
5510 · Integrated Reg. Water Mgt Plan	0.00				0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
6199 · SPECIAL PROJECTS	0.00				0.00	160,000.00	-146,695.32	8.32%	0.00	160,000.00	-146,695.32	8.32%
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				750.40	35,000.00	-34,249.60	2.14%	750.40	35,000.00	-34,249.60	2.14%
6115 · COMB Biding Improvemnts & Maint	0.00				11,629.28	45,000.00	-33,370.72	25.84%	11,629.28	45,000.00	-33,370.72	25.84%
6138 · Cachuma Watershed Mgmt Study	0.00				0.00	50,000.00	-50,000.00	0.0%	0.00	50,000.00	-50,000.00	0.0%
Total 6199 · SPECIAL PROJECTS	0.00				13,304.68	160,000.00	-146,695.32	8.32%	13,304.68	160,000.00	-146,695.32	8.32%
6000 · INFRASTRUCTURE IMPROVEMENT PROJ	0.00				0.00	440,000.00	-440,000.00	0.0%	0.00	440,000.00	-440,000.00	0.0%
6096 · SCC Structure Rehabilitation	0.00				0.00	440,000.00	-440,000.00	0.0%	0.00	440,000.00	-440,000.00	0.0%
6120 · Lake Cachuma Secured Pipeline	0.00				1,824,992.77	4,400,000.00	-2,575,007.23	41.48%	1,824,992.77	4,400,000.00	-2,575,007.23	41.48%
6136 · SCC Isolation Valve Evaluation	0.00				0.00	500,000.00	-500,000.00	0.0%	0.00	500,000.00	-500,000.00	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				1,824,992.77	5,890,000.00	-4,065,007.23	30.99%	1,824,992.77	5,890,000.00	-4,065,007.23	30.99%
6200 · PROGRAM SUPPORT SERVICES	0.00	42,000.00	-42,000.00	0.0%	0.00	10,000.00	-10,000.00	0.0%	0.00	42,000.00	-42,000.00	0.0%
6201 · FMP Implementation	0.00	42,000.00	-42,000.00	0.0%	0.00	10,000.00	-10,000.00	0.0%	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	10,000.00	-10,000.00	0.0%	0.00	10,000.00	-10,000.00	0.0%
6205 · USGS Stream Gauge Program	22,565.00	105,000.00	-82,435.00	21.49%	0.00				22,565.00	105,000.00	-82,435.00	21.49%
Total 6200 · PROGRAM SUPPORT SERVICES	22,565.00	157,000.00	-134,435.00	14.37%	0.00				22,565.00	157,000.00	-134,435.00	14.37%
6300 · HABITAT IMPROVEMENT PROJECTS	376.93	18,000.00	-17,623.07	2.09%	0.00				376.93	18,000.00	-17,623.07	2.09%
6207 · Oak Tree Restoration Program	376.93	18,000.00	-17,623.07	2.09%	0.00				376.93	18,000.00	-17,623.07	2.09%
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	376.93	28,000.00	-27,623.07	1.35%	0.00				376.93	28,000.00	-27,623.07	1.35%
Total Expense	\$ 309,652.06	\$ 1,517,212.00	\$ (1,207,559.94)	20.41%	\$ 2,316,264.14	\$ 8,501,331.00	\$ (6,185,066.86)	27.25%	\$ 2,625,916.20	\$ 10,018,543.00	\$ (7,392,626.80)	26.21%
Net Surplus / Deficit	\$ 59,496.94	\$ -	\$ 59,496.94	100.0%	\$ 472,734.78	\$ -	\$ 472,734.78	100.0%	\$ 532,231.72	\$ -	\$ 532,231.72	100.0%

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	October 24, 2022
Submitted by:	Janet Gingras

SUBJECT: Investment Report – September 30, 2022

RECOMMENDATION

The Board of Directors receive and file the Cachuma Operation & Maintenance Board Investment Report as of September 30, 2022.

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 2022, is reported at 1.513%.

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

Table 1			
Unrestricted Reserve Funds			
Local Agency Investment Fund (LAIF)			
	8/31/2022	\$	3,044,714.25
(+) Deposits/Credits			-
(-) Checks/Withdrawals			(1,800,000.00)
Statement Balance	9/30/2022	\$	1,244,714.25

Restricted Cash

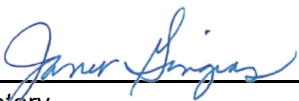
The Cachuma Project Warren Act Trust Fund (Trust Fund) and Cachuma Project Master Contract Renewal Fund (Renewal Fund) are two separate funds that have been established through contracts with the U.S. Bureau of Reclamation (Reclamation). The Trust Fund and the Renewal Fund require annual and five-year 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	8/31/2022	\$	55,285.20
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	9/30/2022	\$	55,285.20
American Riviera Bank			
Warren Act Trust Fund			
Previous Balance	8/31/2022	\$	313,002.72
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	9/30/2022	\$	313,002.72

STATEMENT

The above statement of investment activity for the month of September 2022, 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, 2022

Date	Num	Name	Memo	Amount
1050 · General Fund				
09/07/2022	29567	Association of Ca Water Agencies/JPIA	October 2022 Health Benefits Premium	-29,388.57
09/07/2022	29568	AT&T	Long Distance Service 7/28-8/27/22	-38.00
09/07/2022	29569	Carpinteria Valley Lumber Company	Supplies (Ops)	-8.77
09/07/2022	29570	City of Santa-Barbara	Trash & Recycling August 2022	-336.17
09/07/2022	29571	Cox Communications Santa Barbara	Business Internet September 2022	-195.44
09/07/2022	29572	Cushman Contracting Corp.	EPF Secured Pipeline Project - Construction Services	-588,639.00
09/07/2022	29573	ECHO Communications	Message Service September 2022	-79.05
09/07/2022	29574	Flowers & Associates, Inc.	EPF Secured Pipeline Project - Construction Management	-21,869.50
09/07/2022	29575	Frontier Communications	Phone Service - Main Office Land Lines	-100.07
09/07/2022	29576	Frontier Communications	Phone Service - North Portal	-63.63
09/07/2022	29577	Harrison Hardware	Supplies (Ops)	-47.31
09/07/2022	29578	Home Depot Credit Services	Supplies (Ops)	-302.57
09/07/2022	29579	Jim Vreeland Ford	2003 Ford F-150 Repair (Fisheries)	-575.18
09/07/2022	29580	Jim Vreeland Ford	2019 Ford Ranger - Routine Service (Fisheries)	-122.22
09/07/2022	29581	Jim Vreeland Ford	2018 Ford F-150 Routine Service & Repair (Fisheries)	-371.59
09/07/2022	29582	McMaster-Carr Supply Co.	Materials & Supplies (Ops)	-263.33
09/07/2022	29583	O'Connor Pest Control	Exterminator Services	-235.00
09/07/2022	29584	O'Reilly Automotive, Inc.	Automotive Supplies (Ops)	-79.14
09/07/2022	29585	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 8/5/22 8/19/22 9/2/22	-330.60
09/07/2022	29586	Santa Barbara Office Interiors	COMB Building Improvements - Admin Trailer Cubicle	-2,094.06
09/07/2022	29587	Santa Barbara Office Interiors	COMB Building Improvements - Blind Installations	-792.00
09/07/2022	29588	Southern California Edison	Main Office & Outlying Stations	-1,461.84
09/07/2022	29589	Sparkletts	Operations Safety	-78.35
09/07/2022	29590	Staples Business Credit	Office Supplies (Ops & Fisheries)	-400.33
09/07/2022	29591	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee	-151.75
09/07/2022	29592	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 6054ci	-303.41
09/07/2022	29593	WEX Fleet Universal	Fleet Fuel August 2022	-3,797.25
09/07/2022	29594	Zac Gonzalez Landscaping & Tree Care	Landscape Maintenance August 2022	-480.00
09/19/2022	29595	CMRS-FP	Deposit of Funds to Postage Account	-300.00
09/19/2022	29596	Coastal Copy, LP	Copier Maintenance - Kyocera Taskalfas 3253ci & 6054ci	-269.95
09/19/2022	29597	County of Santa--Barbara	Waste Disposal Fee (Ops)	-81.06
09/19/2022	29598	Edward Lyons	CSDA Conference Lodging	-592.76
09/19/2022	29599	Federal Express	Shipping (Ops)	-231.38
09/19/2022	29600	Impulse Advanced Communications	Phone Service - Main Office	-924.30
09/19/2022	29601	J&C Services	Office Cleaning Service - Weekly 8/12/22 -9/2/22	-680.00
09/19/2022	29602	MarBorg Industries	Portable Facilities (Ops)	-423.76
09/19/2022	29603	O'Reilly Automotive, Inc.	Automotive Supplies (Ops)	-35.88
09/19/2022	29604	Premiere Global Services	Conference Calls August 2022	-26.62
09/19/2022	29605	Southern California Edison	Electricity - Outlying Stations	-39.41
09/19/2022	29606	Stewart's & Selzer Plumbing	COMB Building Maintenance - Plumbing Repair	-510.29
09/19/2022	29607	SWRCB - DWOCP	T-2 Certificate Fee	-60.00
09/19/2022	29608	Turenchalk Network Services, Inc.	Dell Optiplex 3080 Admin Workstation	-894.33
09/19/2022	29609	Turenchalk Network Services, Inc.	Network Support August 2022	-3,186.70
09/19/2022	29610	United States Geological Survey	USGS Quarterly Joint Funding Agreement 7/1/22 - 9/30/22	-22,565.00
09/19/2022	29611	Verizon Wireless	Cellular Service - Phones, Modems & SCADA USBs	-742.71
09/19/2022	29612	Winema Industrial & Safety Supply	Vehicle First Aid Supplies	-396.13
09/20/2022	29613	Bureau of Reclamation	Safety of Dams - Bradbury	-261,647.70
09/20/2022	29614	Bureau of Reclamation	Safety of Dams - Lauro	-47,404.66
Total 1050 · General Fund				<u>-993,616.77</u>
TOTAL				<u>-993,616.77</u>

APPROVALS

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	October 24, 2022
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

SUBJECT: Resolution No. 767 – Confirmation of Local Emergency – Ratification of Governor Newsom’s Declared State of Emergency (Health and Safety)

RECOMMENDATION:

The Board of Directors receive an update on the existing state of emergency and local COVID-19 status and provide direction to staff, as appropriate, including adopting Resolution No. 767 pursuant to the requirements of AB 361, authorizing remote teleconference meetings of the Board of Directors and its Committees pursuant to Government Code Section 54953(e) (Brown Act).

SUMMARY:

On March 4, 2020, Governor Gavin Newsom declared a state of emergency to exist due to the COVID-19 pandemic and its impact on human health and safety. Governor Newsom issued Executive Order N-29-20 which allows local agencies to meet virtually rather than in-person while still complying with state open-meeting laws (e.g., Brown Act), using videoconferencing technology to decrease meeting attendees’ potential exposure to COVID-19. The pandemic still persists and the declared state of emergency remains in place. COMB has met successfully and in compliance with the Brown Act using a commercial videoconferencing platform and providing for public access.

The Executive Order N-29-20 waiver of Brown Act meeting requirements expired on September 30, 2021. Assembly Bill 361 (Open meetings: state and local agencies: teleconferences) was signed into law on September 16, 2021 and, effective October 1, 2021, applies to local agencies intending to meet virtually in the interest of reducing COVID-19 exposure. AB 361 requires public agencies to regularly review and find an ongoing need to hold public meetings by teleconference. Accordingly, COMB must make the following findings by majority vote within 30 days of holding a meeting by teleconference for the first time under AB 361, then every 30 days thereafter. The requirements that allow the board to meet virtually are:

- a) a governor-declared state of emergency is in effect;
- b) a majority of the Board must vote that, as a result of the emergency, meeting in person would present imminent risk to the health or safety of attendees.

The COMB Board of Directors has continued to review and consider the ongoing circumstances of the declared state of emergency since the effective date of Assembly Bill 361 and, based on those circumstances, has authorized and re-authorized the adoption of resolutions acknowledging the emergency conditions for each 30-day period.

To date, Governor Newsom has not rescinded the emergency authorization executive order. He has released a pandemic exit plan called the SMARTER plan. The SMARTER plan is an acronym for Shots, Masks, Awareness, Readiness, Testing, Education, and Rx and focuses on the next phase of the pandemic and learning to live with an endemic. It will continue to emphasize vaccines and boosters as an essential prevention in

spreading the disease.

On September 28, 2021, Santa Barbara County Health Officials issued a social distancing recommendation related to the passing of AB 361. On February 16, 2022, Santa Barbara County Health Officials released an extension to continue a social distancing recommendation and continue teleconferencing options for public meetings.

The California Department of Public Health releases data tracking the spread of the coronavirus in Santa Barbara County. About 1 out of every 4 people in the county has tested positive, 112,875 in total. Over the past week, the county has averaged 34 new cases and 0.1 new deaths per day. On Tuesday, 236 new cases and 1 death was reported. There are now 20 patients admitted to county hospitals with a confirmed case of COVID-19, a change of -17.6% from two weeks ago. Of those, 2 are in an intensive care unit.

Last year, in response to the COVID-19 local emergency and global pandemic, staff established operational protocols and implemented business continuity practices to ensure the safety of our employees and the community. These protocols and procedures communicated the serious nature of this pandemic and outlined specific preventative and proactive measures for staff to follow such as heightened hygiene routines and workplace / social distancing practices. In addition, critical essential functions and designation of key personnel were defined with necessary situational actions for continuity of operations.

COMB staff is comprised of a small team of fifteen full time employees (and three part time employees) who are classified as essential critical infrastructure workers according to the State Public Health Officer and Executive Orders signed by Governor Newsom. If two or three of COMB's essential workers become affected by an infectious pandemic disease, nearly twenty percent of our workforce would be displaced from duty. COMB does not maintain a depth of personnel to counter such an incident.

The COMB established protocols continue to be followed and align with the suggested protocols issued by the Santa Barbara County Public Health Department and the Centers for Disease Control (CDC) to protect employees and our community against the risk posed by COVID-19. Alternative work schedules continue to be implemented to increase work space distancing in order to reduce the chance of exposure of COVID-19 among staff members.

LEGAL CONCURRENCE:

Counsel continues to review legislation impacting the return to in-person meetings and will keep staff apprised as matters evolve.

LIST OF EXHIBITS:

- 1) Resolution No. 767

RESOLUTION NO. 767

**A RESOLUTION OF THE GOVERNING BOARD OF THE
CACHUMA OPERATION AND MAINTENANCE BOARD
ACKNOWLEDGING A LOCAL EMERGENCY, ACKNOWLEDGING THE
PROCLAMATION OF A STATE OF EMERGENCY BY GOVERNOR NEWSOM'S
ORDER DATED MARCH 4, 2020 AND RE-AUTHORIZING REMOTE
TELECONFERENCE MEETINGS OF THE LEGISLATIVE BODIES OF THE
CACHUMA OPERATION AND MAINTENANCE BOARD
FOR THE PERIOD OCTOBER 24, 2022 TO NOVEMBER 24, 2022 PURSUANT TO
BROWN ACT PROVISIONS**

Recitals

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

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

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

WHEREAS, COMB is committed to preserving and nurturing public access and participation in meetings of the Board of Directors; and

WHEREAS, all meetings of the COMB Governing Board are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code sections 54950 – 54963)(“Brown Act”), so that any member of the public may attend, participate and watch COMB’s governing body conduct its business; and

WHEREAS, the Brown Act, Government Code section 54953(e), makes provisions for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence of certain conditions; and

WHEREAS, a required condition is that a state of emergency is declared by the Governor pursuant to Government Code section 8625, proclaiming the existence of conditions of disaster or of extreme peril to the safety of persons and property within the State caused by conditions as described in Government Code section 8558; and

WHEREAS, it is further required that State or local officials have imposed or recommended measures to promote social distancing, or, the governing body determines that meeting in person would present risks to the health and safety of attendees; and

WHEREAS, on March 4, 2020, Governor Gavin Newsom proclaimed a State of Emergency to exist in California due to the threat of COVID-19; despite sustained efforts, the virus, and its variants, continues to spread and has impacted nearly all sectors of California; and

WHEREAS, as a consequence of the declared emergency, the COMB Governing Board does hereby find that meeting in person would pose risks to the health or safety of attendees; and

WHEREAS, the COMB Governing Board does hereby find that COMB shall continue to conduct its meetings without compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that such legislative bodies shall comply with the requirements to provide the public with access to meetings as prescribed in paragraph (2) of subdivision (e) of section 54953; and

WHEREAS, all meeting agendas, meeting dates, times and manner in which the public may participate in the public meetings of COMB and offer public comment by telephone or internet-based services options, including video conference, are posted on the COMB website and physically within COMB's jurisdictional boundaries.

WHEREAS, the COMB Governing Board adopted virtual meeting protocols on April 9, 2020, which includes options for public participation.

NOW, THEREFORE, IT IS HEREBY RESOLVED by the COMB Governing Board, as follows:

1. Recitals. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.
2. Acknowledgment of Governor's Proclamation of a State of Emergency. The Governing Board hereby acknowledges the Governor of the State of California's Proclamation of State of Emergency, effective as of its issuance date of March 4, 2020.
3. Risks to Health and Safety of Attendees. The Governing Board hereby determines that meeting in person would present risks to the health and safety of attendees.
4. Remote Teleconference Meetings. COMB staff are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution including, conducting open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.

5. Effective Date of Resolution. This Resolution shall take effect on October 24, 2022, and shall be effective until the earlier of (i) November 24, 2022, or such time the Governing Board adopts a subsequent resolution in accordance with Government Code section 54953(e)(3) to extend the time during which the legislative bodies of COMB may continue to teleconference without compliance with paragraph (3) of subdivision (b) of section 54953.

PASSED, APPROVED AND ADOPTED by the Governing Board of the Cachuma Operation and Maintenance Board on October 24, 2022, by the following roll call votes:

AYES:

NAYES:

ABSENT:

ABSTAINED:

APPROVED:

President of the Governing Board

ATTEST:

Secretary of the Governing Board

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CACHUMA OPERATION & MAINTENANCE BOARD

Operations Committee Meeting

Tuesday, October 18, 2022
9:00 A.M.

AGENDA

Chair: Director Sneddon

Member: Director Holcombe

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter not on the agenda and within the Committee's jurisdiction*)
3. COMB Water Year 2021-22 Modeling Results – Projected to Actuals (*for information*)
4. Special Projects (*for information and possible recommendation*)
 - a. Water Quality and Sediment Management Study – Phase II
5. Infrastructure Improvement Projects (IIP) – Status Update (*for information*)
 - a. Secured Pipeline Project
 - b. COMB/CVWD Cooperative Agreement
- c. Adjournment

NOTICE TO THE PUBLIC

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

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

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

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	October 24, 2022
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

SUBJECT: Financial Review – 1st Quarter Fiscal Year 2022-23

RECOMMENDATION:

The Board of Directors receive a presentation on the 1st Quarter Fiscal Year (FY) 2022-23 Financial Review and receive and file.

DISCUSSION:

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

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

Table 1
COMB Quarterly Budget Assessments FY 2022-23

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

FISCAL ANALYSIS:

Revenues Collected

- COMB assessed and collected \$2.4M in quarterly O&M Budget Assessments for the period July – September 2022
- COMB assessed and collected \$309.1K in pass-through charges on behalf of the US Bureau of Reclamation for the annual Bradbury and Lauro Safety of Dams (SOD) repayment obligation for the water year 2022-23.
- COMB collected \$16.6K in proceeds from the sale of a COMB vehicle.
- COMB earned \$2.2K in interest income for funds held with LAIF.

Expenditures To Date (% of Budget Apportioned thru September – 39%)

General and Administrative (Combined)

- General and Administrative Expenses include costs for support of all administrative functions of COMB such as: Director fees, legal expenditures, general liability and property insurance, audit fees, temporary/contract labor, utilities, IT and communications, postage and office supplies, training, education and subscriptions and miscellaneous expenses. Costs are generally allocated between Operations and Maintenance (65%) and Fisheries Division (35%). General and Administrative expenses thru September totaled \$60.8K (16.1%) and are within budget.
- General and Administrative Labor includes salaries, employer-paid payroll taxes, health insurance and retirement benefit costs for the COMB General Manager and Administrative staff. General and Administrative Labor expenses totaled \$212.6K (23.5%). Costs in this category are on trend and generally occur evenly throughout the year.

Operations Division

- Operation and Maintenance Labor includes salaries, employer-paid payroll taxes, health insurance and retirement benefit costs. Actual personnel costs of \$254.2K (23.3%) are within budget.
- Vehicles & Equipment includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Actual costs of \$10.6K (5.2%) are lower than budget due to lower than projected vehicle maintenance costs and fixed capital purchases.
- Contract Labor contains funds for outside services and labor that cannot be supported by COMB staff such as water quality sampling, elevator maintenance or repair, tree trimming and removal services, heavy equipment and operators' labor costs for various small projects including meter calibration and meter repair. Actual costs of \$4.3K (3.3%) are within than budget. Projects and staff assignments are reviewed closely by the COMB General Manager and Operations Division Manager to control costs in this category.
- Materials and Supplies covers costs related to the operation and maintenance of the conduit, reservoirs, and outlying buildings and roads. Actual costs of \$6.4K (7.5%) are under budget. Timing of expenditures in this category can vary based on project needs.
- Other Expenses includes utilities, uniforms, hazardous waste disposal, communications (phones at facilities, and cell phones for operations and maintenance), Underground Service Alerts, and employee training and certifications. Actual costs of \$9.5K (18.6%) are within budget.
- Special Projects includes costs related to water quality and sediment management, COMB building improvements and maintenance, SCADA improvements and support, right of way identification program and GIS and mapping. Actuals costs of \$13.3K (8.1%) are within budget.
- Infrastructure Improvement Projects - Board policy requires that all infrastructure improvement projects be approved through Committee and by the Board prior to commencement. Actual costs thru September totaled \$1.8M. This amount is attributed to the Lake Cachuma Secured Pipeline Project. The timing and ranking of projects are dependent on factors such as: (1) water supply reliability, (2) risk, (3) critical need/life cycle of asset, (4) safety, and (5) service disruption necessary to accomplish project.
- **The total Operations Division expenses thru September of \$2.3M (27.2%) for FY 2022-23 are within budget.**
- **The projected annualized Operations Division expenses of \$8.4M (98.2%) for FY 2022-23 are within budget as reflected in Table 2:**

Table 2
Operations Division

	Actual Jul-Sep (*)	Projected Oct-Dec (**)	Projected Jan-Mar	Projected Apr-Jun	Annual Projected	Annual Budget	Over / (Under) Budget (\$)	% of Budget
Revenue								
Revenue	\$ 2,788,999	\$ 2,855,501	\$ 2,126,501	\$ 728,001	\$ 8,499,003	\$ 8,501,331	\$ (2,328)	100.0%
Expense								
General and Admin Expenses	40,908	59,157	52,657	49,407	202,128	253,703	(51,575)	79.7%
General and Admin Labor	152,031	157,826	157,826	157,826	625,509	631,303	(5,794)	99.1%
O&M Labor	254,251	272,631	272,631	272,631	1,072,145	1,090,525	(18,380)	98.3%
O&M Vehicle & Equip	10,648	18,750	18,750	148,750	196,898	205,000	(8,102)	96.0%
O&M Contract Labor	4,290	32,500	32,500	32,500	101,790	130,000	(28,210)	78.3%
O&M Material and Supplies	6,383	21,250	21,250	21,250	70,133	85,000	(14,867)	82.5%
O&M Other Expenses	9,455	12,138	12,138	14,388	48,118	50,800	(2,682)	94.7%
Special Projects	13,305	31,250	68,750	31,250	144,555	165,000	(20,445)	100.0%
Infrastructure Improvement Proj	1,824,993	2,575,007	1,490,000	-	5,890,000	5,890,000	-	100.0%
Total Expense	\$ 2,316,264	\$ 3,180,509	\$ 2,126,501	\$ 728,001	\$ 8,351,276	\$ 8,501,331	\$ (150,055)	98.2%
Net Surplus / (Deficit)	\$ 472,735	\$ (325,007)	\$ -	\$ -	\$ 147,728	\$ -	\$ 147,728	

Note:

(*) Results are unaudited and subject to change.

(**) 2nd Quarter projection includes the balance of Secured Pipeline Project costs of \$2.58M which is offset of with projected grant revenue of \$2.25M

Fisheries Division

- **Fisheries Division Labor** includes salaries, employer-paid payroll taxes, health insurance and retirement benefit costs for the Fisheries Division Manager, two Senior Field Biologists, a Biologist Aide position, and four part-time seasonal positions. Personnel costs of \$197.9K (25.2%) are within budget.
- **Vehicles & Equipment** includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Actual costs of \$6.6K (5.4%) are lower than budget due to lower than projected vehicle maintenance costs and fixed capital purchases.
- **Contract Labor** contains funds for outside services/labor to support equipment calibration on flow meters, and funds for technical assistance corresponding to the operation, maintenance and performance review of completed fish passage projects. Projected consultant services are reviewed by the COMB General Manager and Fisheries Division Manager to control costs in this category. There were no reportable expenses under this category during this period. COMB has entered into an annual agreement with HDR Engineering (\$5.1K) to perform tasks outlined in an approved scope of work (SOW) under this category.
- **Materials and Supplies** includes costs for the purchase of items needed for the Fisheries Monitoring Program specifically for migration, spawning and over-summering, constructing and repairing fish migration traps and the equipment necessary to conduct snorkel and redds surveys. Actual costs of \$1.7K (24.3%) are within budget.
- **Other Expenses** includes funds to pay for uniforms and gear for the fisheries division employees. There were no reportable expenses under this category during this period.
- **Fisheries Division Activities** includes funding for special activities related to ongoing Cachuma Project Biological Opinion (BiOp) compliance efforts, the implementation of the Lower Santa Ynez River Fisheries Monitoring Program (FMP), GIS mapping, and the USGS Stream Gauge Program. The use of external consultants and the timing of expenditures can vary year-to-year based on specific program needs or as particular stream or habitat issues arise. Actual costs of \$22.6K (14.4%) are within budget.
- **Fisheries Habitat Improvement** – includes funds for the Oak Tree Restoration Program and Tributary Project Improvements. There were no notable costs recorded in this category during the 1st quarter.

- **The total Fisheries Division expenses thru September of \$309.6K (20.4%) for FY 2022-23 are within budget.**
- **The projected annualized Fisheries Division expenses of \$1.46M for FY 2022-23 are reflected in Table 3 below:**

**Table 3
Fisheries Division**

	Actual Jul-Sep	Projected Oct-Dec	Projected Jan-Mar	Projected Apr-Jun	Annual Projected	Annual Budget	Over/(Under) Budget (\$)	% of Budget
Revenue								
Revenue	\$ 369,149	\$ 357,504	\$ 432,904	\$ 357,654	\$ 1,517,212	\$ 1,517,212	\$ (0)	100.0%
Expense								
General and Admin Expenses	19,857	28,608	25,108	23,358	96,930	123,426	(26,496)	78.5%
General and Admin Labor	60,522	68,656	68,656	68,656	266,490	274,622	(8,132)	97.0%
Fisheries Labor	197,992	196,391	196,391	196,391	787,165	785,564	1,601	100.2%
Fisheries Vehicle & Equip	6,634	10,625	90,625	10,625	118,509	122,500	(3,991)	96.7%
Fisheries Contract Labor	-	8,100	2,000	2,000	12,100	14,100	(2,000)	85.8%
Fisheries Material and Supplies	1,704	1,750	1,750	1,750	6,954	7,000	(46)	99.3%
Fisheries Other Expenses	-	875	875	2,375	4,125	5,000	(875)	82.5%
Fisheries Activities	22,565	36,750	36,750	46,750	142,815	157,000	(14,185)	91.0%
Fisheries Habitat Enhancement	377	5,750	10,750	5,750	22,627	28,000	(5,373)	80.8%
Total Expense	\$ 309,652	\$ 357,504	\$ 432,904	\$ 357,654	\$ 1,457,715	\$ 1,517,212	\$ (59,497)	96.1%
Net Surplus / (Deficit)	\$ 59,497	\$ -	\$ -	\$ -	\$ 59,497	\$ -	\$ 59,497	

Note: Results are unaudited and subject to change.

Restricted Funds and Obligations

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

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

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

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

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

1. The aggregate amount to be deposited by the Cachuma Member Units in any Water Year shall not exceed the lesser of the amounts determined pursuant to sub articles 27 (e)(2), (e)(3), and (e)(4), as stated below.
2. The aggregate amount to be deposited by the Cachuma Project Member Units in any Water Year shall not exceed an amount equal to \$10 (May 1995 price levels using the

Consumer Price Index) for each acre-foot of Project water scheduled for delivery that water year.

3. The aggregate amount to be deposited by the Cachuma Member Units in any Water Year shall not exceed an amount which bears a ratio to \$257,100, which is inverse to the ratio which the aggregate amount paid into the Cachuma Project Trust Fund during the immediately preceding Calendar Year bears to \$300,000.
4. If (i) at the beginning of any Water Year the combined balance of the Cachuma Project Trust Fund and the Renewal Fund is \$600,000 or more, or (ii) the Contracting Officer has determined that the maximum operation elevation of the Cachuma Reservoir shall be less than 750 feet, then no contributions to the Renewal Fund are required for such year Water Year.

On September 30, 2022, Michael Jackson, SCCAO Area Manager (U.S. Bureau of Reclamation) provided notice of the WY 2022-23 allocation for the Cachuma Project to be set at 0% of the maximum contract total.

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

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

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

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

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

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

LIST OF EXHIBITS:

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

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

	Fisheries				Operations				TOTAL			
	Jul-Sep 22	Annual Budget	\$ Over / (Under) Budget	% of Budget	Jul-Sep 22	Annual Budget	\$ Over / (Under) Budget	% of Budget	Jul-Sep 22	Budget	\$ Over / (Under) Budget	% of Budget
Revenue												
Revenue	\$ 369,149.00	\$ 1,517,212.00	\$ (1,148,063.00)	24.3%	\$ 2,788,998.92	\$ 8,501,331.00	\$ (5,712,332.08)	32.8%	\$ 3,158,147.92	\$ 10,018,543.00	\$ (6,860,395.08)	31.5%
Total Revenue	369,149.00	1,517,212.00	(1,148,063.00)	24.3%	2,788,998.92	8,501,331.00	(5,712,332.08)	32.8%	3,158,147.92	10,018,543.00	(6,860,395.08)	31.5%
Expense												
General and Admin Expenses	19,857.24	123,426.00	(103,568.76)	16.1%	40,908.06	253,703.00	(212,794.94)	16.1%	60,765.30	377,129.00	(316,363.70)	16.1%
General and Admin Labor	60,522.40	274,622.00	(214,099.60)	22.0%	152,031.02	631,303.00	(479,271.98)	24.1%	212,553.42	905,925.00	(693,371.58)	23.5%
O&M Labor	-	-	-	-	254,250.50	1,090,525.00	(836,274.50)	23.3%	254,250.50	1,090,525.00	(836,274.50)	23.3%
O&M Vehicle & Equip	-	-	-	-	10,648.00	205,000.00	(194,352.00)	5.2%	10,648.00	205,000.00	(194,352.00)	5.2%
O&M Contract Labor	-	-	-	-	4,290.43	130,000.00	(125,709.57)	3.3%	4,290.43	130,000.00	(125,709.57)	3.3%
O&M Material and Supplies	-	-	-	-	6,383.26	85,000.00	(78,616.74)	7.5%	6,383.26	85,000.00	(78,616.74)	7.5%
O&M Other Expenses	-	-	-	-	9,455.42	50,800.00	(41,344.58)	18.6%	9,455.42	50,800.00	(41,344.58)	18.6%
Special Projects	-	-	-	-	13,304.68	165,000.00	(151,695.32)	8.1%	13,304.68	165,000.00	(151,695.32)	8.1%
Infrastructure Improvement Projects	-	-	-	-	1,824,992.77	5,890,000.00	(4,065,007.23)	31.0%	1,824,992.77	5,890,000.00	(4,065,007.23)	31.0%
Fisheries Labor	197,992.34	785,564.00	(587,571.66)	25.2%	-	-	-	-	197,992.34	785,564.00	(587,571.66)	25.2%
Fisheries Vehicle & Equip	6,633.94	122,500.00	(115,866.06)	5.4%	-	-	-	-	6,633.94	122,500.00	(115,866.06)	5.4%
Fisheries Contract Labor	-	14,100.00	(14,100.00)	0.0%	-	-	-	-	-	14,100.00	(14,100.00)	0.0%
Fisheries Material and Supplies	1,704.21	7,000.00	(5,295.79)	24.3%	-	-	-	-	1,704.21	7,000.00	(5,295.79)	24.3%
Fisheries Other Expenses	-	5,000.00	(5,000.00)	0.0%	-	-	-	-	-	5,000.00	(5,000.00)	0.0%
Fisheries Activities	22,565.00	157,000.00	(134,435.00)	14.4%	-	-	-	-	22,565.00	157,000.00	(134,435.00)	14.4%
Fisheries Habitat Enhancement	376.93	28,000.00	(27,623.07)	1.3%	-	-	-	-	376.93	28,000.00	(27,623.07)	1.3%
Other Interest Expense - EPFP	-	-	-	0.0%	-	-	-	-	-	-	-	0.0%
Total Expense	309,652.06	1,517,212.00	(1,207,559.94)	20.4%	2,316,264.14	8,501,331.00	(6,185,066.86)	27.2%	2,625,916.20	10,018,543.00	(7,392,626.80)	26.2%
Surplus / (Deficit) - O&M	\$ 59,496.94	\$ -	\$ 59,496.94		\$ 472,734.78	\$ -	\$ 472,734.78		\$ 532,231.72	\$ -	\$ 532,231.72	

Note: Results are unaudited and subject to change.

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Cachuma Operation & Maintenance Board

Financial Review – 1st Quarter
Fiscal Year 2022-23



Financial Review

Revenues Collected – 1st Quarter

COMB O&M Budget Assessment (July - September 2022)	\$ 2,410,477
USBR Lauro / Bradbury SOD Obligation (WY 2022-23)	309,100
Paymac / Public Auction Site	16,600
Interest Income	2,153
Total Revenues Collected	\$ 2,738,330

Financial Review

	Operations Division			
	Jul - Sep (YTD)	Annual Budget	Over / (Under) Budget (\$)	% of Budget
Revenue				
Revenue	\$ 2,788,999	\$ 8,501,331	\$ (5,712,332)	32.8%
Expense				
General and Admin Expenses	40,908	253,703	(212,795)	16.1%
General and Admin Labor	152,031	631,303	(479,272)	24.1%
O&M Labor	254,251	1,090,525	(836,275)	23.3%
O&M Vehicle & Equip	10,648	205,000	(194,352)	5.2%
O&M Contract Labor	4,290	130,000	(125,710)	3.3%
O&M Material and Supplies	6,383	85,000	(78,617)	7.5%
O&M Other Expenses	9,455	50,800	(41,345)	18.6%
Special Projects	13,305	165,000	(151,695)	8.1%
Infrastructure Improvement Projects	1,824,993	5,890,000	(4,065,007)	31.0%
Total Expense	\$ 2,316,264	\$ 8,501,331	\$ (6,185,067)	27.2%
Net Surplus / (Deficit)	\$ 472,735	\$ -	\$ 472,735	100.0%

Note: Results are unaudited and subject to change.

Financial Review

Operations Division

	Actual Jul-Sep (*)	Projected Oct-Dec (**)	Projected Jan-Mar	Projected Apr-Jun	Annual Projected	Annual Budget	Over / (Under) Budget (\$)	% of Budget
Revenue								
Revenue	\$ 2,788,999	\$ 2,855,501	\$ 2,126,501	\$ 728,001	\$ 8,499,003	\$ 8,501,331	\$ (2,328)	100.0%
Expense								
General and Admin Expenses	40,908	59,157	52,657	49,407	202,128	253,703	(51,575)	79.7%
General and Admin Labor	152,031	157,826	157,826	157,826	625,509	631,303	(5,794)	99.1%
O&M Labor	254,251	272,631	272,631	272,631	1,072,145	1,090,525	(18,380)	98.3%
O&M Vehicle & Equip	10,648	18,750	18,750	148,750	196,898	205,000	(8,102)	96.0%
O&M Contract Labor	4,290	32,500	32,500	32,500	101,790	130,000	(28,210)	78.3%
O&M Material and Supplies	6,383	21,250	21,250	21,250	70,133	85,000	(14,867)	82.5%
O&M Other Expenses	9,455	12,138	12,138	14,388	48,118	50,800	(2,682)	94.7%
Special Projects	13,305	31,250	68,750	31,250	144,555	165,000	(20,445)	100.0%
Infrastructure Improvement Proj	1,824,993	2,575,007	1,490,000	-	5,890,000	5,890,000	-	100.0%
Total Expense	\$ 2,316,264	\$ 3,180,509	\$ 2,126,501	\$ 728,001	\$ 8,351,276	\$ 8,501,331	\$ (150,055)	98.2%
Net Surplus / (Deficit)	\$ 472,735	\$ (325,007)	\$ -	\$ -	\$ 147,728	\$ -	\$ 147,728	

Note:

(*) Results are unaudited and subject to change.

(**) 2nd Quarter projection includes the balance of Secured Pipeline Project costs of \$2.58M which is offset of with projected grant revenue of \$2.25M

Financial Review

	Fisheries Division			
	Jul-Sep (YTD)	Annual Budget	Over / (Under) Budget (\$)	% of Budget
Revenue				
Revenue	\$ 369,149	\$ 1,517,212	\$ (1,148,063)	24.3%
Expense				
General and Admin Expenses	19,857	123,426	(103,569)	16.1%
General and Admin Labor	60,522	274,622	(214,100)	22.0%
Fisheries Labor	197,992	785,564	(587,572)	25.2%
Fisheries Vehicle & Equip	6,634	122,500	(115,866)	5.4%
Fisheries Contract Labor	-	14,100	(14,100)	0.0%
Fisheries Material and Supplies	1,704	7,000	(5,296)	24.3%
Fisheries Other Expenses	-	5,000	(5,000)	0.0%
Fisheries Activities	22,565	157,000	(134,435)	14.4%
Fisheries Habitat Enhancement	377	28,000	(27,623)	1.3%
Total Expense	\$ 309,652	\$ 1,517,212	\$ (1,207,560)	20.4%
Net Surplus / (Deficit)	\$ 59,497	\$ -	\$ 59,497	100.0%

Note: Results are unaudited and subject to change.

Financial Review

Fisheries Division

	Actual Jul-Sep	Projected Oct-Dec	Projected Jan-Mar	Projected Apr-Jun	Annual Projected	Annual Budget	Over/(Under) Budget (\$)	% of Budget
Revenue								
Revenue	\$ 369,149	\$ 357,504	\$ 432,904	\$ 357,654	\$ 1,517,212	\$ 1,517,212	\$ (0)	100.0%
Expense								
General and Admin Expenses	19,857	28,608	25,108	23,358	96,930	123,426	(26,496)	78.5%
General and Admin Labor	60,522	68,656	68,656	68,656	266,490	274,622	(8,132)	97.0%
Fisheries Labor	197,992	196,391	196,391	196,391	787,165	785,564	1,601	100.2%
Fisheries Vehicle & Equip	6,634	10,625	90,625	10,625	118,509	122,500	(3,991)	96.7%
Fisheries Contract Labor	-	8,100	2,000	2,000	12,100	14,100	(2,000)	85.8%
Fisheries Material and Supplies	1,704	1,750	1,750	1,750	6,954	7,000	(46)	99.3%
Fisheries Other Expenses	-	875	875	2,375	4,125	5,000	(875)	82.5%
Fisheries Activities	22,565	36,750	36,750	46,750	142,815	157,000	(14,185)	91.0%
Fisheries Habitat Enhancement	377	5,750	10,750	5,750	22,627	28,000	(5,373)	80.8%
Total Expense	\$ 309,652	\$ 357,504	\$ 432,904	\$ 357,654	\$ 1,457,715	\$ 1,517,212	\$ (59,497)	96.1%
Net Surplus / (Deficit)	\$ 59,497	\$ -	\$ -	\$ -	\$ 59,497	\$ -	\$ 59,497	

Note: Results are unaudited and subject to change.

Financial Review

Upcoming Deliverables – Administrative Division

- Complete FYE 06/30/22 Annual Financial Audit
- Complete FYE 06/30/22 GASB 74/75 OPEB Valuation
- Coordinate Grant Reimbursement for Secured Pipeline Project
- Complete ACWA JPIA Health Insurance Open Enrollment
- Advancement of ACWA JPIA Commitment to Excellence Program

Financial Review

QUESTIONS?

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: October 24, 2022
TO: Janet Gingras, General Manager
FROM: Elijah Papen, Program Analyst III
RE: WATER YEAR 2021-22 MODELING RESULTS

The Water Year 2021-22 Modeling Results report will be a verbal presentation illustrated with a Powerpoint slide show.

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	October 24, 2022
Submitted by:	Joel Degner, Elijah Papan
Approved by:	Janet Gingras

SUBJECT: Resolution No. 768 - Water Quality and Sediment Management Study – Phase II
Lake Cachuma Organic Carbon / Phosphorus Sampling and Source Investigation -
Background and Proposal Selection

RECOMMENDATION:

The Board of Directors receive information on the Lake Cachuma Organic Carbon / Phosphorus Sampling and Source Investigation Proposals (Water Quality and Sediment Management Study – Phase II) and adopt Resolution No. 768 authorizing the General Manager to execute a Professional Services Agreement with Geosytec Consultants in an amount not to exceed \$97,500 (~15% contingency included) over two fiscal years.

SUMMARY:

In August 2020, the Lake Cachuma Water Quality and Sediment Management Study was completed. The report identified Total Organic Carbon (TOC) and algal blooms as priority issues. The consultant (Woodard and Curran) also recommended a suite of management actions (Phase II) designed to increase understanding of water quality challenges. Among the management actions listed were: 1) determine predominant source of TOC (i.e. vascular / terrestrial vs. nonvascular / algal), and 2) measure the mass of phosphorus (P) in sediments and rates of sediment P flux. Identifying the sources of TOC and P at Lake Cachuma will inform future management decisions. For example, watershed management will not be the most effective action for controlling TOC if the primary contributing source of organic carbon is attributed to in-lake algal growth.



COMB solicited proposals for the Lake Cachuma Organic Carbon / Phosphorus Sampling and Source Investigation (Investigation) in August 2022. The stated purpose of the Investigation is to augment the previously completed study by establishing the primary source of TOC in Lake Cachuma, and determining whether P loading is dominated by internal or external sources. The final report will summarize the results of field work and laboratory analysis, and will also communicate additional information such as the expected success of treatments in reducing TOC and P, such as aluminum sulfate (alum) application to reduce P.

COMB received two proposals for the Investigation in September 2022: Geosyntec Consultants and LimnoTech / Woodard & Curran. Per the RFP, each proposal was evaluated and scored based on the following weighted

categories: responsiveness (10%), specialized experience / technical competence (30%), availability of key staff (10%), cost of services estimate (10%), proposed technical approach (30%), and records of performance (10%). Categories were scored from 1 to 5 and weighted based on the percentages. The selection committee consisted of COMB staff members and water treatment plant technical staff, including the City of Santa Barbara (Cater Water Treatment Plant) and Goleta Water District (Corona Del Mar Water Treatment Plant). The committee evaluated the proposals and is recommending Geosyntec as the most responsible, responsive candidate.

BACKGROUND:

Sources of Total Organic Carbon:

The plant and animal life around Lake Cachuma and in the Upper Santa Ynez Watershed are all potential sources of organic compounds to the lake. Plants can be divided into two significant groups on the basis of their biochemical compositions: (1) nonvascular plants that lack woody and cellulosic tissues, such as simple algae, and (2) vascular plants that have these tissues, such as grasses, shrubs, and trees. Organic matter in lake sediments covers the spectrum of being predominantly algal in some lakes to being land-derived in others. In addition to these local sources of organic matter, winds commonly transport material, such as pollen, from sources outside the local watershed, typically representing a small fraction of organic matter contribution. Wildfires have the potential to mobilize large quantities of organic compounds which can end up in Lake Cachuma. There are a variety of field and laboratory techniques which have been developed and used elsewhere to identify relative contributions from each source.

Sources of Phosphorus:

External P from watershed and tributary sources are added to Lake Cachuma during inflow events throughout the winter. Internal P recycling also occurs at Lake Cachuma, but less is known about the magnitude of this source. In general, P used by algae, aquatic plants, fish, and zooplankton is stored within these organisms. As these organisms die and decompose, this P is returned to the lake water and sediment. Anoxia in the bottom layers of the lake make P more soluble, increasing release of P from falling particulate matter and lake sediments. During lake turnover events, the P that was released from decomposing matter and bottom sediments mixes throughout the lake and contributes to algal blooms. Phosphorus sampling and source investigation techniques are well developed and used widely to create nutrient budgets. In general, internal flux of P under various laboratory treatments (oxic and anoxic) is measured and the rate applied across the lake bottom area and time to estimate an annual magnitude. Internal estimates can be compared to measurements taken at tributary sources to evaluate relative contributions from each source.

FISCAL IMPACTS:

The Water Quality and Sediment Management – Phase II budget for fiscal year 2022-23 is \$50,000. The anticipated timeline for the Investigation is being planned for approximately 50% completion within fiscal year 2022-23, with the remaining tasks completed within fiscal year 2023-24 by January 2024. The cost estimate from Geosyntec is provided below in Table 1, with a ~15% contingency included for additional sample collection and laboratory analysis, if needed.

Table 1. Cost Estimate from Geosyntec Consultants with Contingency

Task. No	Description	Estimate
1	Work / Sampling Plan	\$14,058
2	Sample Collection	\$12,101
3	Laboratory Analysis	\$35,258
4	Data Analysis and Reporting	\$23,384
	Sub-Total	\$84,801
	~15% Contingency	\$12,699
	Total	\$97,500

ENVIRONMENTAL COMPLIANCE:

This study does not require CEQA or environmental permits. Management actions that arise from the plan may require NEPA/CEQA and/or environmental permits, which will be evaluated at that time.

LEGAL CONCURRENCE:

Resolution No. 768 was reviewed by legal counsel.

COMMITTEE STATUS:

The Operations Committee received information on the Lake Cachuma Organic Carbon / Phosphorus Sampling and Source Investigation (Water Quality and Sediment Management Study – Phase II) and forwards to the Board of Directors with a recommendation to adopt Resolution No. 768 authorizing the General Manager to execute a Professional Services Agreement with Geosytec Consultants in an amount not to exceed \$97,500 (~15% contingency included) over two fiscal years.

LIST OF EXHIBITS:

1. Resolution No. 768

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RESOLUTION NO. 768

**RESOLUTION OF THE GOVERNING BOARD OF THE
CACHUMA OPERATION & MAINTENANCE BOARD APPROVING
SELECTION OF CONSULTANT AND AUTHORIZING EXECUTION OF A
PROFESSIONAL SERVICES AGREEMENT WITH
GEOSYNTEC CONSULTANTS FOR PHASE II OF THE LAKE CACHUMA
WATER QUALITY AND SEDIMENT MANGEMENT STUDY**

Recitals

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

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

WHEREAS, Lake Cachuma is the principal drinking water supply for the South Coast region of Santa Barbara County, providing water to more than 200,000 residents through the Cachuma Project and its facilities; and

WHEREAS, COMB operates and maintains Cachuma Project facilities pursuant to a Transfer of Operation and Maintenance Contract with the United States Bureau of Reclamation, including conveyance of Cachuma Project and State Project Water to the South Coast of Santa Barbara; and

WHEREAS, a seven (7)-year critical drought period, coupled with unprecedented wild fires within the Lake Cachuma watershed, have created a number of challenges for water quality and sediment management; and

WHEREAS, plant and animal life around Lake Cachuma and in the Upper Santa Ynez Watershed are all potential sources of organic compounds to the lake, which can negatively affect water quality; and

WHEREAS, in 2020, an extensive study on water quality and sediment management within the Lake Cachuma watershed, referred to as the “Lake Cachuma Water Quality and Sediment Management Study” (“Study”), was performed; and

WHEREAS, as a result of the Study, the recommendation was to address a suite of management actions designed to increase the understanding of water quality challenges, including determining the predominant source of total organic carbon (“TOC”) and seasonal variability, and measuring the mass of phosphorus (“P”) in sediments and rates of sediment P flux; and

WHEREAS, a Request for Proposals (“RFP”) was distributed to eight (8) qualified consultants to perform the recommended investigative Phase II - Lake Cachuma Water Quality and Sediment Management Study ("Project"); and

WHEREAS, two (2) consultants responded to the RFP for the Project and, after review and evaluation by Member Agency and COMB technical staff, Geosyntec prevailed as having submitted the best qualified, and most responsible proposal for this critical program of work; and

WHEREAS, the approved operating budget for Fiscal Year 2022-23 contains partial funding (\$50,000.00) for the Project; and

WHEREAS, the proposed operating budget for Fiscal Year 2023-24 would provide funding for the remainder of the Project; and

WHEREAS, it is in the best interest of the Governing Board of COMB to approve the selection of Geosyntec to perform the Project, namely, the Phase II - Lake Cachuma Water Quality and Sediment Management Study and authorize the COMB General Manager to execute a Professional Services Agreement with said consultant in an amount not to exceed \$97,000.00 to be expended over two (2) fiscal years.

NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF COMB AS FOLLOWS:

1. The Governing Board finds and determines that the facts set forth in the above recitals and in the documents referenced herein are true and correct.
2. The Governing Board approves the selection of Geosyntec to perform the Project, namely, the Phase II - Lake Cachuma Water Quality and Sediment Management Study; and authorize the General Manager to execute a Professional Services Agreement with said consultant.
3. The Governing Board further authorizes COMB’s officers and staff, including the General Manager, to continue to do all things necessary and appropriate, including, but not limited to, execution and delivery of necessary documents, and any other actions to implement the Project using the approved expenditures.
4. This Resolution shall take effect immediately.

PASSED, APPROVED AND ADOPTED by the Governing Board of the Cachuma Operation and Maintenance Board, this 24th day of October 2022, by the following roll call vote:

Ayes:
Nays:
Absent:
Abstain:

APPROVED:

President of the Governing Board

ATTEST:

Secretary of the Governing 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 24, 2022

General Manager Report

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

Administration

- **Contract Executed by the General Manager – 1st Quarter Fiscal Year 2022-23**

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, 2022 through September 30, 2022 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, 2022 through September 30, 2022, sorted by execution date.

Table 1					
Contracts Executed by General Manager					
July 1, 2022 - September 30, 2022					
Vendor Name	Contract Description	Date Board Approved	Date Executed	Date Expires	Contract Amount
Flowers & Associates, Inc.	EPF Secured Pipeline Construction Management	05/23/2022	07/01/2022	03/31/2023	\$130,330
Makai Ocean Engineering	Lake Cachuma EPF Secured Pipeline Design	05/23/2022	07/01/2022	03/31/2023	\$90,000
Kenneth A. Knight Consulting LLC	Oak Tree Program & Fisheries Support	N/A	09/21/2022	06/30/2023	\$4,000

- **Santa Barbara County Hazard Mitigation Plan**

Staff has participated in the Santa Barbara County Hazard Mitigation Plan (HMP) 2022 update process. The current HMP is a multi-jurisdictional plan utilizing an initial plan created by Santa Barbara County Office of Emergency Management (OEM) and contains annexes provided by each jurisdiction in the HMP including eight cities and four special districts. The process is led by County OEM using a mitigation advisory committee with representatives from each jurisdiction and CalOES. COMB has provided an update to our annex in preparation of the County OEM submitting the plan to both CalOES and FEMA. OEM received comments from Cal OES and is now awaiting approval from FEMA. Once the plan is approved by FEMA, each jurisdiction will be expected to adopt the entire plan through a Board/Council resolution. Keeping the HMP current ensures that COMB remains eligible for Hazard Mitigation Assistance Grants (HMGP, FMA, BRIC, PDM, etc.) for projects listed within the annex.

Personnel

- **State of California D3 Water Distribution Certification**

I am extremely pleased to inform the Board that Elijah Papen, Senior Program Analyst, recently passed the State of California D3 Water Distribution Certification testing. Elijah holds a Masters degree from UCSB in Environmental Science and Management and has been employed with COMB since 2018. COMB now has three D3 Water Distribution certified members on staff.

U.S. Bureau of Reclamation

- **Cachuma Project Water Rates Administration**

The Cachuma Project Water Rate schedules for Water Year (WY) 2023 have been received from Reclamation. The water rates are calculated based on projected reimbursable annual operation and maintenance (O&M) costs and divided by projected water deliveries for the year. Each year, the annual O&M costs for the Cachuma Project are estimated by the Fresno Area Office and provided to the rate-setting branch within the Financial Management division of Reclamation (Sacramento). Water delivery projections are based on the delivery schedule that is supplied by the Member Agencies to the Santa Barbara County Water Agency and submitted to Reclamation.

For WY 2023 water rates, a small deficit was recognized on the 2021 Cachuma Project financial statement for operations but was internally offset into a surplus due to revenues collected for prior year deficit repayments. Reclamations expenditure projections for WY 2023 include engineering and design costs for the Bradbury Dam replacement valves.

- **USBR Reservoir Inspections**

Reclamation has conducted annual safety and security inspections for the South Coast regulating reservoirs. Per Reclamation's directive and standards, Reclamation performs the annual site inspections for each reservoir consisting of a general condition assessment on pertinent features of the dam using a checklist developed specifically for each dam. The content of the inspection encompasses structural integrity, operational features, public safety, follow-up of past operation and maintenance, previous Safety of Dams (SOD) recommendations, and review of documentation related to exercising and testing of gates, valves, and auxiliary generators since the last inspection. These inspections are only required to be performed during the years when a Periodic Facility Review (PFR) or Comprehensive Facility Review (CFR) is not performed.

- **Reclamation Site Visit**

Engineering staff was invited to participate in a site visit/tour of the secured pipeline project by Reclamation personnel including Michael Jackson, SCCAO Area Manager, Russell Collejo, Deputy Regional Director, Dan Cavanaugh, Operations Division Chief, and Rain Emerson, Environmental Compliance Branch Chief from the Fresno Office. The site visit was very brief as Reclamation had a full day agenda planned for Bradbury Dam facilities.

Virtual Meetings

- **Santa Barbara County Office of Emergency Management (OEM) Meeting**

On October 12, 2022, COMB staff participated in the Santa Barbara County Operational Area (OA) Emergency Managers Committee meeting. The OA partners received a presentation from Mark Benthien, Global Coordinator on the 2022 Great ShakeOut Earthquake Drill. His presentation covered components including tools and resources necessary to support inclusivity of individuals with disabilities and other access and functional needs prior to, during and after an earthquake event.

In addition, Eric Boldt, Warning Coordination Meteorologist with the National Weather Service in Los Angeles presented current weather patterns along with a future estimated long-term forecast. Key points from the presentation were that a La Nina advisory is in effect for this coming winter season with increased odds of a below normal rainy season based on historical events. Severe to exceptional drought continues to persist over California although any year is capable of impactful individual storms. Mr. Boldt described the impacts of potential debris flows and flash flooding in burn scar areas. The next OEM meeting is scheduled for Wednesday, November 2, 2022.

Respectfully submitted,

Janet Gingras
General Manager

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CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: October 24, 2022
TO: Janet Gingras, General Manager
FROM: Joel Degner, Engineer/Operations Division Manager
RE: MONTHLY ENGINEERING REPORT

The monthly engineering report will be presented verbally.

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CACHUMA OPERATION AND MAINTENANCE BOARD

DATE: October 24, 2022
TO: Janet Gingras, General Manager
FROM: Shane King, Operations Supervisor
RE: **MONTHLY REPORT OF OPERATIONS – September 2022**

The total flow from Lake Cachuma into the Tecolote Tunnel for September was 1,796.7 acre-feet, for an average daily flow of 59.89 acre-feet. Lake elevation was 699.67 feet at the beginning of September and 695.65 feet at the end of September. Lake storage decreased by 6,641 acre-feet. There was 168.4 acre-feet of inflow from CCWA into Cachuma Project facilities this month. The City of Santa Barbara wheeled 343.84 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized and delivered 195.2 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 82 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 regular activities described above, Operations staff performed the following:

- The intake tower slide gates were greased and exercised.
- Meter calibrations were performed by Emerson Process management. The meters that were calibrated include: The north portal Tecolote tunnel inflow meter, the Lauro reservoir inflow meter, the Sheffield south flow meter, and the Ortega reservoir effluent meter.
- The Bureau of Reclamation conducted their routine reservoir and dam inspections for all of COMB's facilities including: Glen Anne reservoir, Lauro reservoir, Ortega reservoir, and Carpinteria reservoir. No major issues were found during these inspections.
- Cushman Construction Company was hired to repair COMB's Posi-track. This piece of heavy equipment is used in off-loading heavy materials shipments and assisting in COMB's annual weed abatement and right-of-way clearing program.
- COMB staff has been continually and closely monitoring the secured pipeline work being conducted by Cushman Construction Company. There have been multiple deliveries of concrete anchors and special fittings for the secured pipeline installation. Dredging around the intake tower and gate 5 has been completed. Cushman has removed the connection box from gate 5 at the intake tower and is preparing to slightly modify it for future connection of the secured pipeline. (See photos)
- Operations staff started its annual winter/Storm season preparation by visiting all on COMB's sites and cleaning debris from valve pits and storm drainage systems. These sites include: Glen Anne site and reservoir, Lauro reservoir and valve pits, Sheffield valve pits, Ortega reservoir and valve pits, and Carpinteria reservoir and valve pits.
- COMB staff continues to work through the annual structure maintenance program. Staff is working on the maintenance on the upper section of the SCC (Glen Anne reservoir to Lauro reservoir). This work includes visiting each air vent, blow off, lateral, and meter structures and performing annual maintenance. Staff has visited ~20 structures this month. Work completed at these structures include:
 - Pump out any water that may have accumulated since last visit
 - Remove any debris/dirt
 - Re-paint confined space signage as needed
 - Re-paint station number as needed
 - Exercise valves and AVAR's
 - Clear any vegetation from around structure
 - Document any assets that may need replacement/repairs

Secured pipeline photos



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CACHUMA OPERATION AND MAINTENANCE BOARD
BOARD MEMORANDUM

DATE: October 24, 2022
TO: Janet Gingras, General Manager
FROM: Tim Robinson, Fisheries Division Manager
RE: MONTHLY FISHERIES DIVISION REPORT

HIGHLIGHTS:

- USBR is delivering 2000 Biological Opinion (BiOp) target flows to Hilton Creek partly by gravity through the Hilton Creek Emergency Backup System (HCEBS) and partly by pumped flow from the Hilton Creek Watering System (HCWS) to the Lower Release Point (LRP) and Upper Release Point (URP), respectively, which is sustaining the *O. mykiss* population in the creek. Currently, the lake is too low for gravity flow delivery through the HCWS. BiOp compliance releases to Hilton Creek are a minimum of 2 cfs. USBR was delivering to the creek well above 2 cfs throughout the last month (approximately 3.5 cfs).
- The 2000 BiOp and Order WR 2019-0148 target flows to the Hwy 154 Bridge (2.5 cfs) are being met by USBR for the current lake level through releases from Hilton Creek, the Outlet Works, and spillway to the Lower Santa Ynez River (LSYR) mainstem.
- The 2022 WR 89-18 release started on 8/8/22 and ended on 10/5/22, for a total of 58 days. The total release amount was 9,913 af.

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

LSYR Steelhead Monitoring Elements:

Thermograph Network: The thermograph network is deployed at the beginning of April and picked up at the end of December to record water temperatures at all designated locations within the LSYR mainstem and several tributaries. The thermograph network has been deployed in the LSYR mainstem and its tributaries. Thermographs are downloaded monthly and the results are summarized in the Annual Monitoring Report.

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

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 was started last week and will continue into 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 and USBR for the LSYR at the Hwy 154 Bridge. A presentation of target flow compliance will be given to the Board as part of the Fisheries Report to provide further details.

The minimum target flow of 2 cfs to Hilton Creek was being met throughout the last month with HCEBS gravity flow to the LRP (approximately 2.2 cfs) and HCWS pumped flow to the URP (approximately 1.3 cfs) for an approximate total of 3.45 cfs.

Documenting compliance in meeting target flows at the Hwy 154 Bridge (2.5 cfs) cannot be done at that specific location due to the channel configuration and landowner access limitations. USBR established a low-flow river discharge monitoring location approximately 1 mile downstream of the Hwy 154 Bridge where access is available. USBR has been taking a discharge measurement approximately once a month and the COMB-FD staff are taking a discharge measurement once a week; we also maintain a pressure transducer at that location to record river stage every 15 minutes. This is part of a compliance measure within WR 2019-0148, specifically the Plan required in Term 18 and Term 25. The objective is to maintain a river discharge at that monitoring location of 2.5 cfs or greater (at the current lake elevation) which follows Reclamations established operational protocols for meeting required target flows at the Hwy 154 Bridge upstream. The objective was challenging to meet at all times in May, June, and July of 2021 due to many factors influencing streamflow between the release point at Bradbury Dam and the monitoring location (i.e., weather changes, varying riparian corridor vegetation and substrate composition, land use practices, alluvial groundwater extraction, etc.). Reclamation is operating within acceptable discharge parameters to meet target flows given the challenging factors and access barriers. COMB-FD continues to take weekly measurements as requested by USBR except during high flow periods when stream access isn't possible, for example during periods of peak WR 89-18 peak releases. As the flow rates drop down to approximately 60 cfs, river discharge measurements were resumed. COMB continued to maintain our pressure transducer throughout the WR 89-18 release.

The installation of the new USGS gage just upstream of the Hwy 154 Bridge has been completed and the data are being streamed online. USBR is working with the State Board to modify Term 18 and Term 25 to move the target flow compliance point to this new USGS gage site.

WR 89-18 Release Monitoring: BiOp required monitoring for the WR 89-18 releases (RPM 6) was conducted as requested by USBR for the 2022 WR 89-18 release that started on 8/8/22 at approximately 8:00 AM. The release ended on 10/5/22 at approximately 8:00 AM. The total amount released was 9,913 af over 58 days.

The Study Plan for RPM 6 was submitted to USBR on 8/3/22 and the required monitoring began that week. The post-snorkel surveys and ramp-down surveys are currently being conducted and will be completed soon. A report will be generated shortly thereafter. The Santa Ynez River Water Conservation District in collaboration with USBR conducts WR 89-18 releases.

Tributary Project Updates:

All planned projects have been successfully completed.

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. Currently USBR is delivering water to Hilton Creek through the HCWS by pump flow and HCEBS by gravity flow to the URP and LRP, respectively.

The HCEBS was completed at the end of January 2016. The HCEBS delivery floating pipeline across the Stilling Basin was removed on 2/5/20 and then reinstalled between 3/2/21 and 3/4/21. USBR successfully replaced two malfunctioning valves associated with the HCEBS on 5/12/21. After observing water leaking out of the HCEBS floating pipeline, USBR with assistance from COMB-FD on 9/30/21 and 11/18/21 tightened the flanges on all pipe segment connections and the leaking appeared to stop resulting in more water delivery to Hilton Creek. No further maintenance is planned for the floating pipeline.

On 6/8/21, USBR activated the HCEBS on gravity flow to the URP. For a time, both the HCWS and HCEBS provided gravity flow to the URP. As the lake level dropped, more water came from the HCEBS until the HCWS stopped flowing water approximately at the end of July that year. Then all release water to Hilton Creek came through the HCEBS by gravity flow to the URP and LRP.

After several discussions between USBR and NMFS, USBR decided to activate the HCWS pump on 8/2/22 to deliver water to Hilton Creek with the objective of setting the HCEBS to standby mode in the event that the pump turned off. Late that day the programmed linkages for that automated transfer of flow from the HCWS to the HCEBS were found to be inoperable, so USBR reconfigured part of the system for HCEBS gravity flow with HCWS pumped flow from the lake based system. That night an unplanned PG&E occurred that caused a flow interruption to the creek of approximately 2 hours requiring fish rescue and relocation. USBR activated the HCEBS diesel pumps to provide water to Hilton Creek. NMFS, CDFW and USBR determined that it would be best for the fishery to rescue and relocate fish from the reach between the LRP and the URP (Reach 5) to sustainable downstream habitats. The effort was conducted by CDFW with assistance from COMB-FD on 8/8/22 through 8/10/22. On 8/11/22, USBR turned off the HCEBS pump, reestablished HCEBS gravity flow to the LRP and activated the HCWS pump to the URP. The parallel delivery systems (gravity and pump) have been functioning since then with a few exceptions.

On 10/19/22 and 10/20/22, USBR conducted required repairs on one of the two HCWS pumps. The results will be presented at the Board meeting.

Surcharge Water Accounting:

The following table summarizes the amount of surcharge water used to date from each of the three accounts 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 was 5/27/11, or the day following the last day of full surcharge and end of the last spill event. As of May 2012, all of the fish rearing account has been used and USBR is now using Unallocated Project Water to meet BiOp target flows. Water Right (WR 89-18) release durations since 2013 are noted as follows: 7/15/13 - 12/2/13, 8/18/14 - 11/11/14, 8/3/15 - 9/26/15, 7/12/16 -

8/29/16, 8/21/17 - 11/8/17, 8/6/18 – 9/12/18, 8/31/20 – 11/30/20, 8/2/21 – 10/22/21, and 8/8/22 – 10/5/22. There were no WR 89-18 releases in 2019. During these releases, no fish rearing releases are debited as WR 89-18 releases are used conjunctively with fish flows under the Cachuma Project Settlement Agreement. The Adaptive Management Committee (AMC) called for two releases from the Adaptive Management Account (AMA), 35 acre-feet in October 2012 and 114 acre-feet in June 2013. The remaining amount in the AMA is 351 acre-feet. All of the Fish Passage Supplementation Account (FPSA) has been used as of WY2019; all additional releases for fish passage are from Unallocated Project Water as determined by USBR.

Table 1: Summary of the surcharge water accounting and use of Project Yield as of the day after the end of the last spill event and full surcharge (5/27/11).

Accounts*	Allocation	Amount Used**	Amount Remaining
Units:	(acre-feet)	(acre-feet)	(acre-feet)
Fish Passage Supplementation			
WY2019	3,200	3,307	-107
WY2020	0	2,558	-2,558
Adaptive Management	500	149	351
Fish Rearing***	8,684	8,684	0
Unallocated Project Water		29,283	
Total:	9,184	43,981	-2,314
* Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013.			
** Values as of 9/30/22.			
*** 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 WY2022 Annual Monitoring Report and WY2022 Annual Monitoring Summary, specifically data entry and analyses.

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

Consultant Activity Summary:

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

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

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	October 24, 2022
Submitted by:	Tim Robinson and Scott Volan
Approved by:	Janet Gingras

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

RECOMMENDATION:

For Board information only.

SUMMARY:

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since November, 2021 to the present (12/1/21 – 10/24/22, Table 1). Labor and expenses for the entire fiscal year (July 2021 - June 2022) as well as water usage is tracked separately and reported as necessary as recommended by the Lake Cachuma Oak Tree Committee. COMB staff continues to rely on the Fisheries Division seasonal employees to conduct the majority of oak tree work in the field. The 2015 Lakeshore Inventory was completed and reviewed by the Lake Cachuma Oak Tree Committee on 2/25/16 which set the mitigation numbers for the Program. The 2021 Annual Report with the annual inventory and Fiscal Year 2021-22 financials was completed and reviewed by the Lake Cachuma Oak Tree Committee on 9/16/22 and provided to the COMB Board on 9/26/22 under separate cover that recommended going forward with replacing 50 dead oak trees during the wet season of this water year.

Table 1: Cachuma Oak Tree Program completed tasks since December, 2021.

	Dec 2021 ¹	Jan 2022	Feb 2022 ²	Mar 2022 ²	Apr 2022 ²	May 2022 ²	June 2022 ²	July 2022 ²	August 2022	Sept 2022	Oct 2022
Year 13 Oaks (2021-2022)	New Trees QA/QC Tree Tags	New Trees QA/QC Tree Tags Deer Cages	New Trees QA/QC Tree Tags Deer Cages Mulch/Irrigated	Irrigated Weeded	Irrigated Weeded		Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded
Year 12 Oaks (2020-2021)			Irrigated Weeded	Irrigated Weeded		Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded
Year 11 Oaks (2019-2020)					Irrigated Weeded	Irrigated Weeded		Irrigated Weeded			
Year 10 Oaks (2018-2019)											
Year 9 Oaks (2016-2017)	Irrigated Weeded										
Year 8 Oaks (2015-2016)											
Year 7 Oaks (2014-2015)											
Year 6 Oaks (2005-2011)											
¹ Dead trees replaced.											
² Oak tree inventory.											

Maintenance

Fall watering and hand weeding continues on the new Year 12 and Year 13 trees. Spot watering and weeding was also accomplished this past cycle on stressed oak trees in Santa Barbara County Park (SBCP). This past month the Oak Tree Program water trailer has been used in collaboration with the Secured Pipeline Project by Cushman Contracting Corporation for water supply within their staging area (Exhibit 1).

Training

Arborist Ken Knight is holding a Formative Pruning Training class with COMB-FD and SBCP staff on the morning of 10/24/22. Techniques to encourage positive vertical growth and overall tree health, including the establishment of a central leader (main branch) will be covered (Exhibit 2).

Annual Inventory

The 2022 Annual Inventory of all year classes (COMB planted trees 2005 through 2022 and Dam Tender trees) will be started in the late fall and be included in the 2022 Annual Report.

LIST OF EXHIBITS:



Exhibit 1: The Oak Tree Program water trailer at the staging area for the Secured Pipeline Project for general water supply for the contractor.



Exhibit 2: A candidate oak for formative pruning that will occur after the Formative Pruning Training class on 10/24/22.

CACHUMA OPERATION AND MAINTENANCE BOARD
METERED USE REPORT FOR SEPTEMBER 2022

LATERAL/ STATION	NAME	ACRE FEET METERED	LATERAL/ STATION	NAME	ACRE FEET METERED
CARPINTERIA WATER DISTRICT			GOLETA WATER DISTRICT		
Boundary Meter - East		238.54	18+62	G. WEST	194.25
Boundary Meter - West		(0.06)	78+00	Corona Del Mar FILTER Plant	692.03
			122+20	STOW RANCH	0.00
				SWP CREDIT (Warren Act Contract)	(150.00)
				Raytheon (SWP) (Warren Act Contract)	0.00
				Morehart (SWP) (Warren Act Contract)	(5.00)
			TOTAL		731.28
			MONTECITO WATER DISTRICT		
			260+79	BARKER PASS	50.37
			386+65	MWD YARD	14.99
			487+07	VALLEY CLUB	7.78
			499+65	E. VALLEY-ROMERO PUMP	262.64
			510+95	MWD PUMP (SWD)	12.95
			510+95	ORTEGA CONTROL	14.38
			526+43	ASEGRA RD	0.86
			555+80	CO. YARD	0.00
			583+00	LAMBERT RD	0.13
			599+27	TORO CANYON	8.17
				SWP CREDIT (Warren Act Contract)	0.00
				City of SB / MWD WSA ("Desal")	(117.38)
			TOTAL		254.88
			CITY OF SANTA BARBARA		
			CATER	INFLOW	1,367.94
			Gibraltar	PENSTOCK	(343.84)
			CATER	SO. FLOW	(816.32)
			Sheffield	SHEF.LIFT	178.31
				SWP CREDIT (Warren Act Contract)	0.00
				La Cumbre (SWP) (Warren Act Contract)	(69.06)
				City of SB / MWD WSA ("Desal")	117.38
			TOTAL		434.41
			SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, ID#1		
			COUNTY PARK, ETC		2.53
			TOTAL		2.53
			BREAKDOWN OF DELIVERIES BY TYPE:		
			STATE WATER DELIVERED TO LAKE		208.00
			STATE WATER TO SOUTH COAST including from stored		224.06
			METERED DIVERSION		1,661.58
SWP CREDIT (Warren Act Contract)		0.00			
TOTAL		238.48			
Note: Meter reads were taken on: 9/30/2022					

WATER YEAR 21-22 CACHUMA PROJECT ALLOCATION

**CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF SEPTEMBER 2022 AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾**

(All in rounded Acre Feet)

CACHUMA PROJECT		
WATER PRODUCTION:	MONTH	WYTD
Cachuma Lake (Tec. Diversion)	1,796.7	20,010.0
Tecolote Tunnel Infiltration	43.8	877.0
Cachuma Lake (County Park)	2.5	22.3
Subtotal - Water Production	1,843.1	20,909.3
WATER DELIVERIES:		
State Water Diversion	224.1	6,241.8
Cachuma Diversion	1,661.6	14,445.4
Storage gain/(loss) ⁽²⁾	(14.3)	(2.0)
Subtotal - Water Deliveries	1,871.3	20,685.2
Total Water Production	1,843.1	20,909.3
Total Water Deliveries	1,871.3	20,685.2
Difference = Apparent Water Loss	(28.3)	224.0
% Apparent Water Loss	-1.53%	1.07%

SCC APPARENT WATER LOSS ALLOCATION (AWL) ⁽³⁾

	GWD	SB CITY	MWD	CVWD	TOTAL
<u>CURRENT MONTH CHARGE / (ADJUSTMENT)</u>					
M&I	0.0	0.0	0.0	0.0	0.0
Agriculture	0.0	0.0	0.0	0.0	0.0
Subtotal Cachuma Project	0.0	0.0	0.0	0.0	0.0
(+) State Water Project	0.0	0.0	0.0	0.0	0.0
Total Current Month	0.0	0.0	0.0	0.0	0.0
<u>WATER YEAR-TO-DATE CHARGE / (ADJUSTMENT)</u>					
M&I	0.0	0.0	0.0	0.0	0.0
Agriculture	0.0	0.0	0.0	0.0	0.0
Subtotal Cachuma Project	0.0	0.0	0.0	0.0	0.0
(+) State Water Project	0.0	0.0	0.0	0.0	0.0
Total AWL Charged (WYTD)	0.0	0.0	0.0	0.0	0.0
Total AWL Not Charged (WYTD)					224.0
Total AWL Incurred (WYTD)					224.0

CACHUMA PROJECT WATER CHARGE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
<u>CURRENT MONTH</u>						
Water Usage						
M&I	500.9	434.4	232.0	95.2	2.5	1,265.1
Agricultural	230.4	0.0	22.9	143.2	N/A	396.5
Subtotal Project Water Use	731.3	434.4	254.9	238.5	2.5	1,661.6
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss ⁽⁴⁾	26.9	224.1	9.1	18.7	35.0	313.8
Total Project Water Charge	758.2	658.5	264.0	257.2	37.5	1,975.4
<u>WATER YEAR-TO-DATE</u>						
Water Usage						
M&I	4,244.1	5,528.4	2,198.2	367.8	22.3	12,360.8
Agricultural	1,370.4	0.0	186.4	527.8	N/A	2,084.7
Subtotal Project Water Use	5,614.5	5,528.4	2,384.6	895.6	22.3	14,445.4
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss ⁽⁴⁾	501.7	2,122.2	203.3	234.7	297.4	3,359.4
Total Project Water Charge (*)	6,116.2	7,650.6	2,587.9	1,130.3	319.7	17,804.8

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

WATER YEAR 21-22 CACHUMA PROJECT ALLOCATION

**CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF SEPTEMBER 2022 AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾**

(All in rounded Acre Feet)

CACHUMA PROJECT WATER BALANCE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
Project Water Carryover - 10/1/2021	7,321.6	20,525.9	2,994.6	2,103.3	2,361.5	35,307.0
Transfers/Adjustment	0.0	0.0	0.0	0.0	0.0	0.0
(-) Project Water Charge (WYTD)	6,116.2	7,650.6	2,587.9	1,130.3	319.7	17,804.8
Balance Carryover Water	1,205.4	12,875.3	406.7	973.0	2,041.8	17,502.2
Current Year Allocation ⁽⁵⁾	6,525.0	5,794.0	1,856.0	1,969.0	1,856.0	18,000.0
(-) Balance of Project Water Charge (WYTD)	0.0	0.0	0.0	0.0	0.0	0.0
Net Allocation Available Before Adjustments	6,525.0	5,794.0	1,856.0	1,969.0	1,856.0	18,000.0
Adjustments to Net Allocation (WYTD)						
Carryover Balances Spilled	0.0	0.0	0.0	0.0	0.0	0.0
Surplus	0.0	0.0	0.0	0.0	0.0	0.0
State Water Exchange ⁽⁶⁾	206.0	139.0	98.0	92.0	(535.0)	0.0
Transfers/Adjustment - SB/La Cumbre	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - Bishop Ranch ⁽⁷⁾	100.0	0.0	0.0	0.0	0.0	100.0
Transfers/Adjustment - Juncal Transfer ⁽⁸⁾	0.0	295.4	(295.4)	0.0	0.0	0.0
Transfers/Adjustment - GWD/SB Overlap ⁽⁹⁾	(134.1)	134.1	0.0	0.0	0.0	0.0
Balance Current Year Allocation	6,696.9	6,362.5	1,658.6	2,061.0	1,321.0	18,100.0
Total Cachuma Project Water Available	7,902.3	19,237.8	2,065.3	3,034.0	3,362.8	35,602.2

ACCUMULATED DROUGHT WATER CREDIT (ADWC) BALANCE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
ADWC Balance - August 2022	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment ⁽¹⁰⁾	543.8	482.8	154.6	164.1	154.6	1,500.0
(-) ADWC Water Charge (WYTD)	0.0	0.0	0.0	0.0	0.0	0.0
Balance ADWC	543.8	482.8	154.6	164.1	154.6	1,500.0
Total Cachuma Project + ADWC Available	8,446.1	19,720.6	2,220.0	3,198.1	3,517.4	37,102.2

Footnotes

- (1) Water Year = October 1 through September 30; WYTD = Water Year to Date
- (2) Includes Lauro and Ortega Reservoirs only
- (3) Based on correspondence from Michael Jackson, dated 09/15/17, which revised the approach to the assessment for unaccounted for water loss based on lake conditions
- (4) Per USBR, evaporation is applied to Cachuma Carryover and SWP water through standard contract formula effective April 1, 2017
- (5) Per USBR, 70% allocation to Member Agencies, effective 10/1/21
- (6) Per SWP Exchange Agrmt GWD received 110 AF; City of SB received 74 AF; MWD received 74 AF; and CVWD received 49 AF from ID#1 in September 2022.
- (7) Transfer per Contract for Exchange Water with Thomas B. Bishop Company and GWD (100 AF)
- (8) Transfer per Juncal agreement between SB & MWD (295.36AF)
- (9) Transfer per Overlap agreement between SB & GWD (134.13AF)
- (10) Correspondence from Michael Jackson to the Member Units (MU's) dated 9/14/2022 revised the Downstream Users Accounting Reports effective August 2022 as produced by Reclamation. A credit of 1,500 acre-feet of water from the Below Narrows Account was transferred to the MU's based on provisions of the September 17, 2002 Settlement Agreement.
- (11) Memo only - State Water Deliveries to Lake Cachuma for September was 208AF.
- (12) Memo only - MWD has received 352.14 AF under the City of SB / MWD WSA ("Desal") for this Contract Year (July 1 - June 30)

CACHUMA OPERATION AND MAINTENANCE BOARD
WATER STORAGE REPORT

MONTH: **SEPTEMBER 2022**

GLEN ANNIE RESERVOIR ⁽¹⁾

Capacity at 385' elevation:	335	AF
Capacity at sill of intake at 334' elevation:	21	AF
Stage of Reservoir Elevation	333.0	Feet
Water in Storage	21.04	AF

LAURO RESERVOIR

Capacity at 549' elevation:	503	AF
Capacity at top of intake screen, 520' elevation:	106.05	AF
Stage of Reservoir Elevation	543.9	Feet
Water in Storage	407.57	AF

ORTEGA RESERVOIR

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	453.2	Feet
Water in Storage	40.43	AF

CARPINTERIA RESERVOIR

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	375.2	Feet
Water in Storage	23.93	AF

TOTAL STORAGE IN RESERVOIRS ⁽¹⁾

Change in Storage	-15.41	AF
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CACHUMA RESERVOIR

Capacity at 750' elevation: ⁽²⁾	184,121	AF
Capacity at sill of tunnel 660' elevation:	24,281	AF

Stage of Reservoir Elevation	695.65	Feet
Water in Storage	65,436	AF
Surface Area	1,506	Acres
Evaporation	739.3	AF
Inflow	340.4	AF
Downstream Release WR8918	4,402.5	AF
Fish Release (Hilton Creek)	195.2	AF
Outlet	0.0	AF
Spill/Seismic Release	16	AF
State Water Project Water	168.4	AF
Change in Storage	-6,641	AF
Tecolote Diversion	1,796.7	AF

Rainfall: Month: 0.02 Season: 0.01 Percent of Normal: 5%

(1) Glen Annie Reservoir is currently offline and excluded from Total Storage in Reservoirs amount.

(2) In 2004, flashboard installation raised Cachuma Reservoir max elevation to 753' (193,305 AF); surcharge water reserved for fish releases.

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

Month	Total Delivered to Lake per CCWA	CVWD					MWD					CITY OF SB					GWD					LCMWC					RSYS			MLC			
		Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Stored in Lake		
2021																																	
Bal. Frwd						0					0					0					0				286			12			0		
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	1	0	273	0	0	12	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	0	265	0	0	12	0	0
March	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	2	0	198	0	0	12	0	0	
April	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	2	0	174	1	1	12	0	0	
May	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	22	2	0	198	9	9	12	12	12		
June	98	33	33	0	0	0	0	0	0	0	0	0	0	0	0	0	33	33	0	0	0	25	57	3	0	164	2	2	12	5	5		
July	137	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	136	136	0	0	0	0	17	3	0	145	0	0	12	1	1		
August	514	346	292	0	0	54	0	0	0	0	0	0	0	0	0	0	161	161	0	0	0	0	12	2	0	131	2	2	12	5	5		
September	555	389	187	0	1	254	0	0	0	0	0	0	0	0	0	0	159	159	0	0	0	0	98	2	0	31	0	0	12	7	7		
October	662	350	99	0	2	504	0	0	0	0	0	0	0	0	0	0	309	309	0	0	0	0	0	0	0	30	0	0	12	3	3		
November	620	464	53	0	2	912	0	0	0	0	0	0	0	0	0	0	127	127	0	0	0	25	3	0	0	53	2	2	12	2	2		
December	441	0	100	0	2	810	0	0	0	0	0	0	0	0	0	0	388	388	0	0	0	43	4	0	0	92	4	4	0*	6	6		
Total	3097	1582	765	0	7	810	0	0	0	0	0	0	0	0	0	1313	1313	0	0	0	0	141	318	17	0	92	20	20	0*	41	41	0	

(*) Adj / Notes:

*RSYS SWP stored in lake adjusted in December 2021 from 12AF to 0AF, as this water has already been wheeled to RSYS by GWD

Month	Total Delivered to Lake per CCWA	CVWD					MWD					CITY OF SB					GWD					LCMWC					RSYS			MLC		
		Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Stored in Lake	
2022																																
Bal. Frwd						810					0					0					0				92			0			0	
January	427	0	0	0	2	808	0	0	0	0	0	0	0	0	0	0	377	377	0	0	0	0	40	12	0	0	120	0	0	0	10	10
February	367	0	99	0	4	704	0	0	0	0	0	0	0	0	0	0	332	332	0	0	0	25	7	1	0	138	0	0	0	10	10	
March	368	0	297	0	6	401	0	0	0	0	0	0	0	0	0	0	338	338	0	0	0	20	66	1	0	90	0	0	0	10	10	
April	453	0	290	0	5	107	0	0	0	0	0	100	100	0	0	0	308	308	0	0	0	35	23	1	0	101	0	0	0	10	10	
May	634	127	232	0	2	0	0	0	0	0	0	100	100	0	0	0	352	352	0	0	0	45	92	2	0	52	0	0	0	10	10	
June	1060	227	227	0	(0)	0	0	0	0	0	0	92	92	0	0	0	595	595	0	0	0	137	70	1	0	119	0	0	0	9	9	
July	569	0	0	0	0	0	0	0	0	0	0	100	100	0	0	0	359	359	0	0	0	100	14	2	0	202	0	0	0	10	10	
August	322	0	0	0	(0)	0	0	0	0	0	0	0	0	0	0	0	269	269	0	0	0	46	91	4	0	153	0	0	0	7	7	
September	208	0	0	0	(0)	0	0	0	0	0	0	0	0	0	0	0	150	150	0	0	0	53	69	3	0	134	0	0	0	5	5	
October																																
November																																
December																																
Total	4408	354	1145	0	19	0	0	0	0	0	0	392	392	0	0	0	3080	3080	0	0	0	501	444	14	0	134	0	0	0	81	81	0

(*) Adj / Notes:

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

Total SC Storage at month end (AF): 0

Total Storage at month end (AF): 134

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #I75R-1802

Contract Year: 10/1/21 to: 9/30/22

Contract Entity: **Goleta Water District**
 Update by COMB 9/30/2022

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	7,321.6	6,525.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	7,321.6	6,525.0

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation				Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
412.3	130.2	542.4	62.9	542.4	605.3	456.3	149.0	-	-	-
376.0	97.0	472.9	28.3	472.9	501.2	395.7	105.6	-	-	-
111.7	26.5	138.2	12.3	138.2	150.5	120.2	30.4	-	-	-
88.8	7.9	96.7	16.2	96.7	112.9	99.9	13.0	-	-	-
321.1	82.4	403.5	31.5	403.5	435.0	342.6	92.4	-	-	-
489.4	146.2	635.5	41.1	635.5	676.6	517.0	159.6	-	-	-
428.6	115.3	543.9	52.8	543.9	596.8	463.5	133.2	-	-	-
472.6	162.8	635.4	64.2	635.4	699.6	514.0	185.6	-	-	-
249.7	82.8	332.5	67.3	332.5	399.8	291.9	107.9	-	-	-
419.8	146.0	565.8	55.0	565.8	620.8	453.5	167.3	-	-	-
373.3	143.0	516.3	43.2	516.3	559.5	398.6	161.0	-	-	-
500.9	230.4	731.3	26.9	731.3	758.2	515.7	242.5	-	-	-
4,244.1	1,370.4	5,614.5	501.7	5,614.5	6,116.2	4,568.8	1,547.4	-	-	-

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

SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	7,321.6	5,130.0	2,191.7	5,073.5	1,451.5	6,525.0
ID#1 Exch (+61AF)	-	-	-	40.9	20.1	61.0
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
Bishop Ranch Exch (+100AF)	-	-	-	100.0	-	100.0
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
ID#1 Exch (+35AF)	-	-	-	17.5	17.5	35.0
ID#1 Exch (+110AF) + GWD/SB Ovp (-134.13AF)	-	-	-	(79.1)	55.0	(24.1)

BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	6,716.3	4,673.6	2,042.7	5,114.4	1,471.6	6,586.0
Nov	6,215.1	4,278.0	1,937.1	5,114.4	1,471.6	6,586.0
Dec	6,064.6	4,157.8	1,906.8	5,114.4	1,471.6	6,586.0
Jan	5,951.7	4,057.9	1,893.8	5,114.4	1,471.6	6,586.0
Feb	5,516.7	3,715.3	1,801.3	5,114.4	1,471.6	6,586.0
Mar	4,840.1	3,198.3	1,641.8	5,114.4	1,471.6	6,586.0
Apr	4,243.3	2,734.8	1,508.5	5,214.4	1,471.6	6,686.0
May	3,543.7	2,220.8	1,322.9	5,214.4	1,471.6	6,686.0
Jun	3,143.9	1,928.9	1,215.0	5,214.4	1,471.6	6,686.0
Jul	2,523.1	1,475.4	1,047.7	5,214.4	1,471.6	6,686.0
Aug	1,963.6	1,076.8	886.7	5,231.9	1,489.1	6,721.0
Sep	1,205.4	561.2	644.3	5,152.7	1,544.1	6,696.9

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **7,902.3**

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #I75R-1802

Contract Year: 10/1/21 to: 9/30/22

Contract Entity: **City of Santa Barbara**
 Update by COMB 9/30/2022

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	20,525.9	5,794.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	20,525.9	5,794.0

TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED		
Acre-feet			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	-----	Total
639.1	-	639.1	180.2	639.1	819.3	819.3	-	-
517.5	-	517.5	84.9	517.5	602.4	602.4	-	-
379.4	-	379.4	38.0	379.4	417.4	417.4	-	-
430.9	-	430.9	49.6	430.9	480.5	480.5	-	-
540.2	-	540.2	98.2	540.2	638.4	638.4	-	-
474.6	-	474.6	136.9	474.6	611.5	611.5	-	-
383.8	-	383.8	193.9	383.8	577.7	577.7	-	-
646.5	-	646.5	262.6	646.5	909.1	909.1	-	-
302.5	-	302.5	305.1	302.5	607.7	607.7	-	-
421.0	-	421.0	281.8	421.0	702.7	702.7	-	-
358.5	-	358.5	266.9	358.5	625.3	625.3	-	-
434.4	-	434.4	224.1	434.4	658.5	658.5	-	-
5,528.4	-	5,528.4	2,122.2	5,528.4	7,650.6	7,650.6	-	-

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

SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
	Total	Allocation M & I	-----	Allocation M & I	-----	Total
Begin Bal	20,525.9	20,525.9	-	5,794.0	-	5,794.0
ID#1 Exch (+41AF)	-	-	-	41.0	-	41.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	24.0	-	24.0
ID#1 Exch (+24AF)	-	-	-	-	-	-
ID#1 Exch (+74AF) + GWD/SB Ovlp (+134.13) + Juncal Trsrfr (+295.36AF)	-	-	-	503.5	-	503.5

BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	Total	Allocation M & I	-----	Allocation M & I	-----	Total
Oct	19,706.7	19,706.7	-	5,835.0	-	5,835.0
Nov	19,104.3	19,104.3	-	5,835.0	-	5,835.0
Dec	18,686.9	18,686.9	-	5,835.0	-	5,835.0
Jan	18,206.4	18,206.4	-	5,835.0	-	5,835.0
Feb	17,568.0	17,568.0	-	5,835.0	-	5,835.0
Mar	16,956.4	16,956.4	-	5,835.0	-	5,835.0
Apr	16,378.7	16,378.7	-	5,835.0	-	5,835.0
May	15,469.6	15,469.6	-	5,835.0	-	5,835.0
Jun	14,861.9	14,861.9	-	5,835.0	-	5,835.0
Jul	14,159.2	14,159.2	-	5,835.0	-	5,835.0
Aug	13,533.8	13,533.8	-	5,859.0	-	5,859.0
Sep	12,875.3	12,875.3	-	6,362.5	-	6,362.5

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 19,237.8

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #I75R-1802

Contract Year: 10/1/21 to: 9/30/22

Contract Entity: **Montecito Water District**
 Update by COMB 9/30/2022

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	2,994.6	1,856.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	2,994.6	1,856.0

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation				Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
237.2	20.0	257.2	25.6	257.2	282.8	255.1	27.6	-	-	-
211.0	15.9	226.9	11.3	226.9	238.2	218.7	19.5	-	-	-
106.2	7.4	113.6	4.9	113.6	118.5	109.4	9.1	-	-	-
35.8	1.0	36.8	6.3	36.8	43.1	39.8	3.3	-	-	-
133.8	12.8	146.6	12.3	146.6	158.9	141.6	17.3	-	-	-
143.0	14.5	157.5	16.4	157.5	173.9	153.2	20.7	-	-	-
119.5	9.0	128.5	22.2	128.5	150.6	132.7	17.9	-	-	-
210.3	19.4	229.7	28.0	229.7	257.7	226.3	31.4	-	-	-
218.5	17.2	235.7	28.9	235.7	264.7	233.6	31.1	-	-	-
270.1	20.3	290.4	22.3	290.4	312.8	280.2	32.6	-	-	-
280.8	26.0	306.7	16.0	306.7	322.8	285.7	37.1	-	-	-
232.0	22.9	254.9	9.1	254.9	264.0	232.2	31.8	-	-	-
2,198.2	186.4	2,384.6	203.3	2,384.6	2,587.9	2,308.5	279.4	-	-	-

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
212.0	(212.0)	-	-

Month
 Oct
 Nov
 Dec
 Jan
 Feb
 Mar
 Apr
 May
 Jun
 Jul
 Aug
 Sep

SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	2,994.6	2,096.5	898.0	1,571.0	285.0	1,856.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	ID#1 Exch (+24AF)	-	-	12.0	12.0	24.0
Sep	ID#1 Exch (+74AF) + Juncal Trsfr (-295.36)	-	-	(258.4)	37.0	(221.4)

Month
 Oct
 Nov
 Dec
 Jan
 Feb
 Mar
 Apr
 May
 Jun
 Jul
 Aug
 Sep

BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	2,711.8	1,841.4	870.4	1,571.0	285.0	1,856.0
Nov	2,473.6	1,622.7	850.9	1,571.0	285.0	1,856.0
Dec	2,355.1	1,513.3	841.8	1,571.0	285.0	1,856.0
Jan	2,312.0	1,473.5	838.5	1,571.0	285.0	1,856.0
Feb	2,153.2	1,331.9	821.3	1,571.0	285.0	1,856.0
Mar	1,979.3	1,178.7	800.5	1,571.0	285.0	1,856.0
Apr	1,828.7	1,046.0	782.6	1,571.0	285.0	1,856.0
May	1,570.9	819.7	751.2	1,571.0	285.0	1,856.0
Jun	1,306.2	586.1	720.1	1,571.0	285.0	1,856.0
Jul	993.5	306.0	687.5	1,571.0	285.0	1,856.0
Aug	670.7	20.3	650.4	1,583.0	297.0	1,880.0
Sep	406.7	-	406.7	1,324.6	334.0	1,658.6

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 2,065.3

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #I75R-1802

Contract Year: 10/1/21 to: 9/30/22

Contract Entity: **Carpinteria Valley Water District**
 Update by COMB 9/30/2022

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	2,103.3	1,969.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	2,103.3	1,969.0

				CARRYOVER WATER			CURRENT YEAR ALLOCATION				
TOTAL WATER USED				WATER USE CHARGED			WATER USE CHARGED				
Acre-feet							Allocation		Allocation		
	M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
	-	-	-	18.8	-	18.8	9.7	9.1	-	-	-
	-	-	-	9.1	-	9.1	4.8	4.3	-	-	-
	-	-	-	4.2	-	4.2	2.1	2.1	-	-	-
	-	-	-	5.6	-	5.6	3.5	2.0	-	-	-
	-	-	-	11.3	-	11.3	5.3	6.0	-	-	-
	-	-	-	16.2	-	16.2	7.2	9.0	-	-	-
	-	-	-	23.6	-	23.6	11.4	12.2	-	-	-
	15.1	18.7	33.8	32.7	33.8	66.5	32.0	34.5	-	-	-
	78.4	98.9	177.4	37.0	177.4	214.4	97.6	116.8	-	-	-
	82.2	124.5	206.7	31.4	206.7	238.1	98.7	139.4	-	-	-
	96.8	142.4	239.2	26.3	239.2	265.5	111.1	154.4	-	-	-
	95.2	143.2	238.5	18.7	238.5	257.2	105.9	151.3	-	-	-
Total	367.8	527.8	895.6	234.7	895.6	1,130.3	489.3	641.0	-	-	-

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

SCHEDULE AND REVISIONS						
			Allocation		Allocation	
			Total	M & I	Agr	Total
Begin Bal			2,103.3	1,085.4	1,017.9	1,969.0
ID#1 Exch (+27AF)			-	-	18.1	27.0
Oct			-	-	-	-
Nov			-	-	-	-
Dec			-	-	-	-
Jan			-	-	-	-
Feb			-	-	-	-
Mar			-	-	-	-
Apr			-	-	-	-
May			-	-	-	-
Jun			-	-	-	-
Jul			-	-	-	-
Aug			-	-	8.0	16.0
ID#1 Exch (+16AF)			-	-	-	-
ID#1 Exch (+49AF)			-	-	24.5	49.0

BALANCE - CARRYOVER WATER						
			Allocation		Allocation	
			Total	M & I	Agr	Total
Oct			2,084.6	1,075.7	1,008.8	1,996.0
Nov			2,075.5	1,070.9	1,004.5	1,996.0
Dec			2,071.3	1,068.9	1,002.5	1,996.0
Jan			2,065.8	1,065.3	1,000.4	1,996.0
Feb			2,054.4	1,060.0	994.4	1,996.0
Mar			2,038.2	1,052.8	985.4	1,996.0
Apr			2,014.6	1,041.4	973.2	1,996.0
May			1,948.2	1,009.4	938.8	1,996.0
Jun			1,733.7	911.8	822.0	1,996.0
Jul			1,495.7	813.1	682.6	1,996.0
Aug			1,230.2	702.0	528.2	2,012.0
Sep			973.0	596.1	376.9	2,061.0

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 3,034.0

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #I75R-1802

Contract Year: 10/1/21 to: 9/30/22

Contract Entity: **Santa Ynez River Water Conservation District, ID#1**
 Update by COMB 9/30/2022

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr	CARRYOVER WATER						CURRENT YEAR ALLOCATION					
			TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED			WATER USE CHARGED		
			Acre-feet			Allocation			Allocation			Allocation		
			M & I	Agr	Total	Evap	Used	Total	M & I	Agr	Total	M & I	Agr	Total
Oct	2,361.5	1,856.0	1.4	-	1.4	21.1	1.4	22.4	3.7	18.8	-	-	-	
Nov	-	-	1.3	-	1.3	10.2	1.3	11.5	2.4	9.1	-	-	-	
Dec	-	-	1.1	-	1.1	4.7	1.1	5.8	1.6	4.2	-	-	-	
Jan	-	-	0.7	-	0.7	6.2	0.7	6.9	1.4	5.6	-	-	-	
Feb	-	-	1.2	-	1.2	12.7	1.2	13.9	2.5	11.3	-	-	-	
Mar	-	-	1.5	-	1.5	18.2	1.5	19.6	3.4	16.3	-	-	-	
Apr	-	-	1.9	-	1.9	26.4	1.9	28.2	4.6	23.6	-	-	-	
May	-	-	1.8	-	1.8	36.8	1.8	38.6	5.6	33.0	-	-	-	
Jun	-	-	2.9	-	2.9	44.1	2.9	46.9	7.4	39.5	-	-	-	
Jul	-	-	3.1	-	3.1	41.7	3.1	44.7	7.3	37.4	-	-	-	
Aug	-	-	3.0	-	3.0	40.5	3.0	43.5	7.1	36.4	-	-	-	
Sep	-	-	2.5	-	2.5	35.0	2.5	37.5	6.0	31.5	-	-	-	
Total	2,361.5	1,856.0	22.3	-	22.3	297.4	22.3	319.7	53.1	266.6	-	-	-	

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

Month	SCHEDULE AND REVISIONS					
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	2,361.5	254.5	2,107.0	965.0	891.0	1,856.0
ID#1 Exch (-129AF)	-	-	-	(86.4)	(42.6)	(129.0)
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	(49.5)	(49.5)	(99.0)
Sep	-	-	-	(153.5)	(153.5)	(307.0)

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	County Parks Usage (AF)	Total	Allocation		Allocation		
			M & I	Agr	M & I	Agr	
Oct	1.4	2,339.1	250.9	2,088.2	878.6	848.4	1,727.0
Nov	1.3	2,327.6	248.5	2,079.1	878.6	848.4	1,727.0
Dec	1.1	2,321.8	246.8	2,074.9	878.6	848.4	1,727.0
Jan	0.7	2,314.8	245.5	2,069.4	878.6	848.4	1,727.0
Feb	1.2	2,301.0	242.9	2,058.0	878.6	848.4	1,727.0
Mar	1.5	2,281.3	239.5	2,041.8	878.6	848.4	1,727.0
Apr	1.9	2,253.1	234.9	2,018.2	878.6	848.4	1,727.0
May	1.8	2,214.5	229.3	1,985.2	878.6	848.4	1,727.0
Jun	2.9	2,167.5	221.9	1,945.7	878.6	848.4	1,727.0
Jul	3.1	2,122.8	214.5	1,908.3	878.6	848.4	1,727.0
Aug	3.0	2,079.3	207.4	1,871.9	829.1	798.9	1,628.0
Sep	2.5	2,041.8	201.4	1,840.4	675.6	645.4	1,321.0

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **3,362.8**

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #I75R-1802

Contract Year: 10/1/21 to: 9/30/22

Contract Entity: **Santa Barbara Co. Water Agency**
 Update by COMB 9/30/2022

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr	TOTAL WATER USED				WATER USE CHARGED			WATER USE CHARGED				
			Acre-feet				Allocation			Allocation				
			Use %	M & I	Agr	Total	Evap	Div	Total	M & I	Agr	M & I	Agr	Total
Oct	35,307.0	18,000.0	0.0	1,290.0	150.2	1,440.2	308.4	1,440.2	1,748.6	1,544.1	204.5	-	-	-
Nov	-	-	0.0	1,105.8	112.8	1,218.6	143.9	1,218.6	1,362.5	1,224.0	138.5	-	-	-
Dec	-	-	0.0	598.4	33.9	632.3	64.0	632.3	696.3	650.6	45.7	-	-	-
Jan	-	-	0.0	556.2	9.0	565.2	83.8	565.2	649.0	625.1	23.9	-	-	-
Feb	-	-	0.0	996.3	95.2	1,091.5	165.9	1,091.5	1,257.4	1,130.4	127.0	-	-	-
Mar	-	-	0.0	1,108.5	160.6	1,269.2	228.7	1,269.2	1,497.9	1,292.3	205.5	-	-	-
Apr	-	-	0.0	933.8	124.3	1,058.1	318.9	1,058.1	1,376.9	1,190.0	187.0	-	-	-
May	-	-	0.0	1,346.2	200.9	1,547.1	424.4	1,547.1	1,971.6	1,687.0	284.5	-	-	-
Jun	-	-	0.0	852.0	199.0	1,051.0	482.4	1,051.0	1,533.4	1,238.2	295.3	-	-	-
Jul	-	-	0.0	1,196.1	290.8	1,487.0	432.1	1,487.0	1,919.1	1,542.4	376.7	-	-	-
Aug	-	-	0.0	1,112.4	311.4	1,423.8	392.9	1,423.8	1,816.7	1,427.8	388.9	-	-	-
Sep	-	-	0.0	1,265.1	396.5	1,661.6	313.8	1,661.6	1,975.4	1,518.4	457.0	-	-	-
Total	35,307.0	18,000.0	0.3	12,360.8	2,084.7	14,445.4	3,359.4	14,445.4	17,804.8	15,070.3	2,734.5	-	-	-

Month	CONVERSIONS (M&I AND AG SPLIT)			
	CARRYOVER WATER		CURR YR ALLOCATION	
	M & I	Agr	M & I	Agr
Oct	-	-	-	-
Nov	-	-	-	-
Dec	-	-	-	-
Jan	-	-	-	-
Feb	-	-	-	-
Mar	-	-	-	-
Apr	-	-	-	-
May	-	-	-	-
Jun	-	-	-	-
Jul	-	-	-	-
Aug	-	-	-	-
Sep	212.0	(212.0)	-	-

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	35,307.0	29,092.4	6,214.7	14,388.0	3,612.0	18,000.0
Oct	-	-	-	13.5	(13.5)	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	100.0	-	100.0
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	12.0	(12.0)	-
Sep	-	-	-	37.0	(37.0)	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	County Parks Usage (AF)	Allocation		Allocation		Total	
		M & I	Agr	M & I	Agr		
Oct	1.4	33,558.4	27,548.3	6,010.1	14,401.5	3,598.5	18,000.0
Nov	1.3	32,196.0	26,324.3	5,871.7	14,401.5	3,598.5	18,000.0
Dec	1.1	31,499.6	25,673.7	5,826.0	14,401.5	3,598.5	18,000.0
Jan	0.7	30,850.6	25,048.6	5,802.1	14,401.5	3,598.5	18,000.0
Feb	1.2	29,593.2	23,918.1	5,675.1	14,401.5	3,598.5	18,000.0
Mar	1.5	28,095.3	22,625.8	5,469.5	14,401.5	3,598.5	18,000.0
Apr	1.9	26,718.4	21,435.8	5,282.6	14,501.5	3,598.5	18,100.0
May	1.8	24,746.8	19,748.8	4,998.1	14,501.5	3,598.5	18,100.0
Jun	2.9	23,213.4	18,510.6	4,702.8	14,501.5	3,598.5	18,100.0
Jul	3.1	21,294.3	16,968.2	4,326.1	14,501.5	3,598.5	18,100.0
Aug	3.0	19,477.6	15,540.4	3,937.2	14,513.5	3,586.5	18,100.0
Sep	2.5	17,502.2	14,234.0	3,268.2	14,550.5	3,549.5	18,100.0

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **35,602.2**

UNITED STATES DEPARTMENT OF THE INTERIOR
U.S. BUREAU OF RECLAMATION-CACHUMA PROJECT-CALIFORNIA

October 2022

LAKE CACHUMA DAILY OPERATIONS

Run Date: October 20, 2022

Day ¹	Lake Cachuma				Rainfall ⁴		Evaporation ⁴		CCWA Inflow	Release					Computed Inflow ²	
	Elevation	Storage	Change in Storage	Surface Area						Park Use	Tunnel	Hilton Creek	WR 89-18	Outlet ³		Spillway
SHEF Tag→	HL	LS	LC		PP	PPAF	EV	EVAF	QICCWA		QUTEC	QUHIL	QUWATR	QU	QS	QI
	ft	acre-feet	acre-feet	acres	inches	acre-feet	inches	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet
30	695.65	65,436														
1	695.56	64,367	(1,068.5)	1,504.3	-	-	0.170	15.98	23.92	-	57.18	6.87	50.60	-	0.60	(961.20)
2	695.50	64,278	(89.1)	1,503.1	-	-	0.160	15.03	23.69	-	64.23	6.89	40.60	-	0.60	14.57
3	695.44	64,189	(89.1)	1,501.9	-	-	0.160	15.02	23.45	-	64.57	6.79	35.70	-	0.60	10.14
4	695.35	64,056	(133.6)	1,500.0	-	-	0.150	14.06	5.88	-	62.50	6.88	24.60	-	0.60	(30.87)
5	695.31	63,996	(59.4)	1,499.2	-	-	0.170	15.93	5.89	-	71.80	6.89	14.60	-	0.60	44.54
6	695.23	63,877	(118.8)	1,497.6	-	-	0.230	21.53	5.87	-	85.75	6.79	-	11.70	0.60	1.71
7	695.16	63,774	(103.9)	1,496.2	-	-	0.220	20.57	5.91	-	85.66	6.99	-	12.50	0.60	16.47
8	695.07	63,640	(133.6)	1,494.3	-	-	0.200	18.68	5.89	-	89.40	6.87	-	12.60	0.60	(11.38)
9	695.00	63,536	(103.9)	1,492.9	-	-	0.170	15.86	5.89	-	85.08	6.87	-	12.60	0.60	11.18
10	694.95	63,463	(73.1)	1,491.9	-	-	0.160	14.92	5.90	-	51.43	6.86	-	12.60	0.60	7.41
11	694.90	63,390	(73.1)	1,490.8	-	-	0.140	13.04	5.91	-	49.23	6.86	-	13.60	0.60	4.32
12	694.85	63,317	(73.1)	1,489.8	-	-	0.120	11.17	5.92	-	48.22	6.85	-	12.60	0.60	0.42
13	694.79	63,229	(87.7)	1,488.6	-	-	0.140	13.03	5.91	-	53.26	6.96	-	12.50	0.60	(7.30)
14	694.74	63,156	(73.1)	1,487.6	-	-	0.120	11.16	5.92	-	52.10	6.83	-	12.60	0.60	4.26
15	694.70	63,097	(58.5)	1,486.7	0.01	1.2	0.120	11.15	5.93	-	51.53	6.74	-	12.70	0.60	17.06
16	694.64	63,010	(87.7)	1,485.5	-	-	0.090	8.36	5.92	-	52.34	6.84	-	12.60	0.60	(12.91)
17	694.60	62,951	(58.5)	1,484.6	-	-	0.180	16.70	5.92	-	52.49	6.98	-	12.50	0.60	24.87
18	694.54	62,863	(87.7)	1,483.2	-	-	0.120	11.12	5.84	-	52.96	6.90	-	12.60	0.60	(9.38)
19	694.51	62,820	(43.9)	1,482.6	-	-	0.170	15.75	-	-	46.54	6.79	-	4.70	0.60	30.52
20	694.46	62,746	(73.1)	1,481.4	-	-	0.190	17.59	-	-	57.33	6.85	-	4.60	0.60	13.86

Total			(2,689.57)		0.01	1.24	3.180	296.66	159.56	-	1,233.60	137.30	166.10	173.00	12.00	(831.70)
Minimum	694.46	62,746	(1,068.52)	1,481.40	-	-	0.090	8.36	-	-	46.54	6.74	-	-	0.60	(961.20)
Average	694.97	63,488	(134.48)	1,492.11	0.00	0.06	0.159	14.83	7.98	-	61.68	6.87	8.31	8.65	0.60	(41.59)
Maximum	695.56	64,367	(43.86)	1,504.34	0.01	1.24	0.230	21.53	23.92	-	89.40	6.99	50.60	13.60	0.60	44.54

Comments

1. Data based on 24-hour period ending 0800
2. Computed inflow is the sum of change in storage, releases, and evaporation minus precip on the reservoir surface and CCWA inflow.
3. Indicated outlets release include any leakage around gates.
4. Evaporation in inches is the measured pan evaporation. Calculated evaporation in acre feet uses the October pan factor 75%
5. Storage volume based on 2021 bathymetric survey.



**Santa Barbara County Parks Division,
Cachuma Lake Recreation Area
Summary of Aquatic Invasive Species Vessel Inspection Program
and Early Detection Monitoring Program: September 2022**



Cachuma Lake Recreation Area Launch Data -- September 2022		
Inspection Data		
Total Vessels Entering Park	335	
Total Vessels Launched	322	
Total Vessels Quarantined	13	
Returning (Tagged) Boats Launched	228	71%
Kayak/Canoe: Inspected, launched	94	29%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
Quarantine Data		
Total Vessels Quarantined	13	
Quarantined 14 days	*	
Quarantined 30 days	13	
Quarantine Cause		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	2	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	13	
Demographic Data		
Quarantined from infected county	2	
Quarantined from SB County	11	
Quarantined from uninfected co	0	

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

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

* These conditions are no longer being tracked.

EARLY DETECTION MONITORING PROGRAM SUMMARY

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

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

Plankton Tow Inspection Dates and Times: 2022.09.10 and 2022.09.25; 10 a.m. to 12 p.m. PDT.

Method: 8 Sampling Locations; Vertical Tows. Samples sent to Bodega Marine Laboratory (CDFW).

Artificial Substrate & Surface Survey Date and Time: 2022.09.25 and 09.09; 10 a.m. to 12 p.m. PDT.

Method: 6 Sampling Stations; 34 meters/111.55 linear feet of line as well as ramp, dock, anchor, etc.

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

Lake elevation: Max feet: 753.00, current 696.19; Max acre-feet: 192,978, current: 65,307;

Current capacity: 33.9%