



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

**Monday, November 14, 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/84219482931?pwd=L2VxbWt6QW5JekdFVktOSzJwUmdkdz09>

Passcode: 297494

Join via teleconference:

US: +1 669 900 6833 Conference ID: 842 1948 2931 Passcode: 297494

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, November 14, 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 October 24, 2022 Regular Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Review of Paid Claims
4. **RESOLUTION NO. 769 – 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. **RESOLUTION NO. 770 - RATIFICATION OF CONTRACT ADDENDUM FOR EMERGENCY REPAIRS**
Action: Recommend approval by motion and roll call vote of the Board
6. **LAKE CACHUMA EMERGENCY PUMPING FACILITY SECURED PIPELINE PROJECT – STATUS REPORT**
Receive and file a status report on the Lake Cachuma Emergency Pumping Facility Secured Pipeline Project
7. **GENERAL MANAGER REPORT**
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
 - Personnel
 - Virtual Meetings

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8. ENGINEER'S REPORT

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

- Climate Conditions
- Lake Elevation Projections
- Emergency Repair
- Infrastructure Improvement Projects

9. OPERATIONS DIVISION REPORT

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

- Lake Cachuma Operations
- Operation and Maintenance Activities

10. FISHERIES DIVISION REPORT

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

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

11. 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

12. MONTHLY CACHUMA PROJECT REPORTS

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

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

13. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

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

- a. [Government Code Section 54956.9(d)(1)]
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. [Government Code Section 54956.9(d)(1)]
Name of matter: *Stephen Timothy Buynak, Jr. and Gloria Ann Buynak, as Trustees of the Buynak 1991 Family Revocable Trust v. United States Department of the Interior, et al.*, Case No. 2:22-cv-07271 – Complaint For Injunctive and Declaratory Relief to Enforce Plaintiffs' Riparian Water Rights
- c. Potential Litigation: Conference with Legal Counsel

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15. RECONVENE INTO OPEN SESSION

[Government Code Section 54957.7]

Disclosure of actions taken in closed session, as applicable

[Government Code Section 54957.1]

14a. 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

14b. Name of matter: *Stephen Timothy Buynak, Jr. and Gloria Ann Buynak, as Trustees of the Buynak 1991 Family Revocable Trust v. United States Department of the Interior, et al.*, Case No. 2:22-cv-07271 – Complaint For Injunctive and Declaratory Relief to Enforce Plaintiffs’ Riparian Water Rights

14c. Potential Litigation: Conference with Legal Counsel

16. MEETING SCHEDULE

- **December 19, 2022 at 1:00 PM**
- **Board Packages available on COMB website www.cachuma-board.org**

17. COMB ADJOURNMENT

NOTICE TO PUBLIC

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

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

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

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

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

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

**Monday, October 24, 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 1:01 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

*Director Sneddon joined the meeting later

General Counsel Present:

William Carter - Musick, Peeler, Garrett, LLP

Staff Present:

Janet Gingras, General Manager

Elijah Papen, Program Analyst III

Edward Lyons, Administrative Manager/CFO

Timothy Robinson, Fisheries Division Manager

Joel Degner, Engineer/Operations Division Manager

Dorothy Turner, Administrative Assistant

Others Present:

Matthew Scrudato, COSB Water Agency

2. PUBLIC COMMENT

There was no public comment.

3. CONSENT AGENDA

- a. Minutes of September 26, 2022 Regular Board Meeting
- b. Investment of Funds
 - Financial Reports
 - Investment Reports
- c. Review of Paid Claims

Ms. Gingras drew the Board's attention to the Consent Agenda items and requested Mr. Lyons' comments on the financial reports. Mr. Lyons reviewed revenues, highlighting the pass-through Safety of Dams (SOD) collections and the receipt of \$743k from Reclamation in partial payment of the Secured Pipeline grant. He provided explanation for various Paid Claims of note, including disbursements to

Cushman Contracting and Flowers & Associates for work on the Secured Pipeline, the SOD remittances and the quarterly payment to the USGS for the stream gauge program.

Director Hanson motioned to approve the Consent Agenda. Director Hayman seconded the motion which passed with a vote of four in favor and two absent.

Ayes: Hayman, Hanson, Holcombe

Nays:

Absent: Sneddon

Abstain

4. RESOLUTION NO. 767 – CONFIRMATION OF LOCAL EMERGENCY - RATIFICATION OF GOVERNOR NEWSOM’S DECLARED STATE OF EMERGENCY (HEALTH AND SAFETY)

President Holcombe presented the Resolution to the Board, commenting that potential updates to the Brown Act may allow some remote meeting participation under certain circumstances. She acknowledged member perspectives and 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. VERBAL REPORTS FROM BOARD COMMITTEES

- Operations Committee Meeting - October 18, 2022

President Holcombe provided a brief summary of the items contained in the committee agenda and noted that the Board would see those items today for Board information or approval.

6. FINANCIAL REVIEW – 1st QUARTER FISCAL YEAR 2022-23

Mr. Lyons shared his presentation of the first quarter financial review with the Board. He reviewed revenues received during the quarter as well as expenditures by division. He provided explanation for any variances in comparison to the budget. Mr. Lyons reviewed the status of the Administrative Division’s deliverables.

7. WATER YEAR 2021-22 MODELING RESULTS

Mr. Papen shared his presentation illustrating the water year 2021-22 modeling results, comparing the forecasts to the actual results. He commented that the forecasted metrics are increasingly accurate in comparison to the actual results. As well, Mr. Papen noted that Reclamation has incorporated elements of COMB’s model into their own, due to that accuracy. He fielded comments and questions from the Board, which expressed its appreciation for the informative presentation.

9. RESOLUTION NO. 768 - OPERATIONS DIVISION SPECIAL PROJECTS – WATER QUALITY AND SEDIMENT MANAGEMENT STUDY – PHASE II

Mr. Papen presented Phase II of the Water Quality & Sediment Management Study to the Board for approval. He reviewed the objectives of the project and summarized the Request for Proposals process and the award recommendation. Mr. Papen noted that the project would span two fiscal years and was within budget for this fiscal year. He fielded comments and questions from the Board.

Director Hayman provided the motion to approve Phase II of the project with recommended consultant. Director Sneddon seconded the motion which carried with a unanimous vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nays:

Absent:

Abstain

10. GENERAL MANAGER REPORT

- Administration
- Virtual Meetings

Ms. Gingras presented the General Manager report. She reviewed contracts executed during the past fiscal quarter and provided information regarding the current update to the Santa Barbara County Hazard Mitigation Plan and its annexes. Additionally, Ms. Gingras acknowledged staff milestones and the receipt of the water rate schedules for Water Year 2023, as well as the recent Reclamation inspection and site visit. Finally, Ms. Gingras reported staff participation in the OEM meeting which included presentations on the 2022 Great ShakeOut Earthquake drill and a report from the National Weather Service on anticipated climate conditions.

11. ENGINEER’S REPORT

- Climate Conditions
- Lake Elevation Projections
- Infrastructure Improvement Projects

Mr. Degner presented the Engineer’s report, leading with an update on the Secured Pipeline project and the upcoming next steps. He reviewed lake elevation subsequent to the downstream release and advised that the possible re-deployment of the pumping barge would likely come before the Board in February or March 2023. Mr. Degner reported that the cooperative agreement with the Carpinteria Valley Water District is making good progress. Staff has initiated a design contract with Flowers & Associates and commenced with the planning and design of the proposed Lillingston Canyon isolation line valve. Mr. Degner reviewed the status of Reclamation recommendations and their impact on funding. Finally Mr. Degner reported that staff was addressing an emergency repair of a leaking blow-off riser which will incur a three to four day shutdown but will not impact water users.

12. OPERATIONS DIVISION REPORT

- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. Degner presented the Operations Division report, advising that meters had been calibrated and structure maintenance was ongoing. He reported that Reclamation had performed its annual inspection and had visited a second time to inspect the work on the Secured Pipeline project.

13. FISHERIES DIVISION REPORT

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

Mr. Robinson presented the Fisheries Division report. He noted that target flows to Hilton Creek and the Highway 154 bridge are being met. He provided final release numbers for the recent water rights release and reported that Reclamation had repaired and successfully tested both Hilton Creek pumping systems. Mr. Robinson shared a slide show presentation of the Stream Gauge Program. He reviewed the location and function of each monitoring site and highlighted the improvements to the program resulting from the newly installed and online monitoring site slightly north of the Highway 154 bridge. Mr. Robinson fielded questions from the Board.

14. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

- Maintenance and Monitoring

Mr. Robinson presented the Oak Tree report, noting that irrigation and weeding are ongoing. He reported that staff had participated in a beneficial workshop on formative pruning with COMB's arborist consultant. He noted that pruning takes place only in winter and is intended to encourage the trees to grow tall.

15. MONTHLY CACHUMA PROJECT REPORTS

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

Ms. Gingras presented the Cachuma Project reports for review and noted two points of interest. The Water Production report now includes a section for the accumulated drought water credit. The reservoir storage at October 1st has been reduced on the Lake Cachuma Daily Operations report to be consistent with the results of the recent bathymetric survey.

16. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

There were no requests from Directors.

17. [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 3:05 PM.

18. RECONVENE INTO OPEN SESSION

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

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

The Board reconvened into Open Session at 4:10 PM. There was no reportable action for any of items 16a., 16b., or 16c.

19. MEETING SCHEDULE

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

20. COMB ADJOURNMENT

There being no further business, the meeting was adjourned at 4:11 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 October 31, 2022
UNAUDITED FINANCIALS

		October 31, 2022
ASSETS		
Current Assets		
Checking/Savings		
Trust Funds		
1210 · Warren Act Trust Fund	\$	360,259.72
1220 · Renewal Fund		55,285.20
Total Trust Funds		\$ 415,544.92
1050 · General Fund		554,042.40
1100 · Revolving Fund		221,405.93
Total Checking/Savings		1,190,993.25
Accounts Receivable		
1301 · Accounts Receivable		1,570.00
1320 · Quarterly Assessments Receivable		278,468.00
Total Accounts Receivable		280,038.00
Other Current Assets		
1010 · Petty Cash		500.00
1200 · LAIF		1,951,319.22
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
1400 · Prepaid Insurance		11,512.72
1900 · Deposits		5,868.34
Total Other Current Assets		2,225,948.34
Total Current Assets		3,696,979.59
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		\$ 10,564,458.36

Cachuma Operation & Maintenance Board
Statement of Net Position
As of October 31, 2022
UNAUDITED FINANCIALS

October 31, 2022

LIABILITIES & NET POSITION

Liabilities

Current Liabilities

Accounts Payable

2200 · Accounts Payable \$ 114,863.02

Total Accounts Payable 114,863.02

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 415,544.92

2594 · Deferred Revenue - Assessments 599,085.52

2595 · Deferred Revenue - Oak Tree 2,690.43

Total Other Current Liabilities 1,562,674.95

Total Current Liabilities 1,677,537.97

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 14,778,864.80

Net Position

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

3901 · Retained Net Assets 95,004.65

Net Revenue 987,168.96

Total Net Position (4,214,406.44)

TOTAL LIABILITIES & NET POSITION \$ **10,564,458.36**

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

	Fisheries				Operations				TOTAL			
	Jul - Oct 22	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Oct 22	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Oct 22	Budget	\$ Over / (Under) Budget	% of Budget
Revenue												
3000 REVENUE												
3001 · O&M Budget (Qtrly Assessments)	\$ 452,637.00	\$ 1,153,196.00	\$ (700,559.00)	39.25%	\$ 2,661,828.00	\$ 4,951,331.00	\$ (2,289,503.00)	53.76%	\$ 3,114,465.00	\$ 6,104,527.00	\$ (2,990,062.00)	51.02%
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				8,757.89				8,757.89	0.00	8,757.89	100.0%
3020 · Misc Income	0.00				1,376.00				1,376.00	0.00	1,376.00	100.0%
3021 · Grant Income	0.00				442.00				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	\$ 452,637.00	\$ 1,517,212.00	\$ (1,064,575.00)	29.83%	\$ 3,416,353.89	\$ 8,501,331.00	\$ (5,084,977.11)	40.19%	\$ 3,868,990.89	\$ 10,018,543.00	\$ (6,149,552.11)	38.62%
Expense												
3100 · LABOR - OPERATIONS	\$ -	\$ -	\$ -	0.0%	\$ 325,624.74	\$ 1,090,525.00	\$ (764,900.26)	29.86%	\$ 325,624.74	\$ 1,090,525.00	\$ (764,900.26)	29.86%
3200 VEH & EQUIPMENT												
3201 · Vehicle/Equip Mtce	0.00				13,685.11	40,000.00	-26,314.89	34.21%	13,685.11	40,000.00	-26,314.89	34.21%
3202 · Fixed Capital	0.00				3,500.80	150,000.00	-146,499.20	2.33%	3,500.80	150,000.00	-146,499.20	2.33%
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				17,185.91	205,000.00	-187,814.09	8.38%	17,185.91	205,000.00	-187,814.09	8.38%
3300 · CONTRACT LABOR												
3301 · Conduit, Meter, Valve & Misc	0.00				4,160.48	20,000.00	-15,839.52	20.8%	4,160.48	20,000.00	-15,839.52	20.8%
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				2,311.28	60,000.00	-57,688.72	3.85%	2,311.28	60,000.00	-57,688.72	3.85%
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				6,471.76	130,000.00	-123,528.24	4.98%	6,471.76	130,000.00	-123,528.24	4.98%
3400 · MATERIALS & SUPPLIES												
3401 · Conduit, Meter, Valve & Misc	0.00				7,139.36	65,000.00	-57,860.64	10.98%	7,139.36	65,000.00	-57,860.64	10.98%
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				7,151.81	85,000.00	-77,848.19	8.41%	7,151.81	85,000.00	-77,848.19	8.41%
3500 · OTHER EXPENSES												
3501 · Utilities	0.00				2,015.95	7,000.00	-4,984.05	28.8%	2,015.95	7,000.00	-4,984.05	28.8%
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				3,227.40	15,800.00	-12,572.60	20.43%	3,227.40	15,800.00	-12,572.60	20.43%
3504 · USA & Other Services	0.00				3,040.35	7,250.00	-4,209.65	41.94%	3,040.35	7,250.00	-4,209.65	41.94%
3505 · Miscellaneous	0.00				3,117.06	12,000.00	-8,882.94	25.98%	3,117.06	12,000.00	-8,882.94	25.98%
3506 · Training	0.00				1,134.99	3,000.00	-1,865.01	37.83%	1,134.99	3,000.00	-1,865.01	37.83%
Total 3500 · OTHER EXPENSES	0.00				12,535.75	50,800.00	-38,264.25	24.68%	12,535.75	50,800.00	-38,264.25	24.68%
4100 · LABOR - FISHERIES	250,088.41	785,564.00	-535,475.59	31.84%	0.00				250,088.41	785,564.00	-535,475.59	31.84%
4200 · VEHICLES & EQUIP - FISHERIES												

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

	Fisheries				Operations				TOTAL			
	Jul - Oct 22	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Oct 22	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Oct 22	Budget	\$ Over / (Under) Budget	% of Budget
4270 · Vehicle/Equip Mtce	9,868.88	30,000.00	-20,131.12	32.9%	0.00				9,868.88	30,000.00	-20,131.12	32.9%
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	9,868.88	122,500.00	-112,631.12	8.06%	0.00				9,868.88	122,500.00	-112,631.12	8.06%
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	1,729.67	7,000.00	-5,270.33	24.71%	0.00				1,729.67	7,000.00	-5,270.33	24.71%
Total 4300 · MATERIALS/SUPPLIES - FISHERIES	1,729.67	7,000.00	-5,270.33	24.71%	0.00				1,729.67	7,000.00	-5,270.33	24.71%
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				1,781.00	12,400.00	-10,619.00	14.36%	1,781.00	12,400.00	-10,619.00	14.36%
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				12,073.09	75,000.00	-62,926.91	16.1%	12,073.09	75,000.00	-62,926.91	16.1%
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				2,838.35	6,000.00	-3,161.65	47.31%	2,838.35	6,000.00	-3,161.65	47.31%
5311 · Office Equip/Leases	0.00				2,356.16	13,440.00	-11,083.84	17.53%	2,356.16	13,440.00	-11,083.84	17.53%
5312 · Misc Admin Expenses	0.00				2,922.98	14,000.00	-11,077.02	20.88%	2,922.98	14,000.00	-11,077.02	20.88%
5313 · Communications	0.00				2,821.41	9,500.00	-6,678.59	29.7%	2,821.41	9,500.00	-6,678.59	29.7%
5314 · Utilities	0.00				3,072.61	9,737.00	-6,664.39	31.56%	3,072.61	9,737.00	-6,664.39	31.56%
5315 · Membership Dues	0.00				10,827.70	11,450.00	-622.30	94.57%	10,827.70	11,450.00	-622.30	94.57%
5316 · Admin Fixed Assets	0.00				1,989.29	8,000.00	-6,010.71	24.87%	1,989.29	8,000.00	-6,010.71	24.87%
5318 · Computer Consultant	0.00				5,957.71	25,000.00	-19,042.29	23.83%	5,957.71	25,000.00	-19,042.29	23.83%
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				1,812.63	2,000.00	-187.37	90.63%	1,812.63	2,000.00	-187.37	90.63%
5331 · Public Information	0.00				780.00	3,500.00	-2,720.00	22.29%	780.00	3,500.00	-2,720.00	22.29%
Total 4999 · GENERAL & ADMINISTRATIVE	0.00				62,218.82	253,703.00	-191,484.18	24.52%	62,218.82	253,703.00	-191,484.18	24.52%
5299 · ADMIN LABOR	0.00				193,629.68	631,303.00	-437,673.32	30.67%	193,629.68	631,303.00	-437,673.32	30.67%
5400 · GENERAL & ADMIN - FISHERIES												
5407 · Legal - FD	1,863.00	25,000.00	-23,137.00	7.45%	0.00				1,863.00	25,000.00	-23,137.00	7.45%
5410 · Postage / Office Supplies	1,519.24	4,000.00	-2,480.76	37.98%	0.00				1,519.24	4,000.00	-2,480.76	37.98%
5411 · Office Equipment / Leases	1,196.69	8,533.00	-7,336.31	14.02%	0.00				1,196.69	8,533.00	-7,336.31	14.02%
5412 · Misc. Admin Expense	1,573.92	7,500.00	-5,926.08	20.99%	0.00				1,573.92	7,500.00	-5,926.08	20.99%
5413 · Communications	1,519.22	4,455.00	-2,935.78	34.1%	0.00				1,519.22	4,455.00	-2,935.78	34.1%
5414 · Utilities	1,654.49	5,243.00	-3,588.51	31.56%	0.00				1,654.49	5,243.00	-3,588.51	31.56%
5415 · Membership Dues	6,330.30	7,200.00	-869.70	87.92%	0.00				6,330.30	7,200.00	-869.70	87.92%
5416 · Admin Fixed Assets	1,071.16	3,000.00	-1,928.84	35.71%	0.00				1,071.16	3,000.00	-1,928.84	35.71%
5418 · Computer Consultant	3,207.99	15,000.00	-11,792.01	21.39%	0.00				3,207.99	15,000.00	-11,792.01	21.39%
5425 · Employee Education/Subsription	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%

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

	Fisheries				Operations				TOTAL			
	Jul - Oct 22	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Oct 22	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Oct 22	Budget	\$ Over / (Under) Budget	% of Budget
	5426 · Director Fees	959.00	6,700.00	-5,741.00	14.31%	0.00				959.00	6,700.00	-5,741.00
5427 · Director Mileage	0.00	300.00	-300.00	0.0%	0.00				0.00	300.00	-300.00	0.0%
5430 · Travel	2,677.45	2,500.00	177.45	107.1%	0.00				2,677.45	2,500.00	177.45	107.1%
5431 · Public Information	420.00	1,500.00	-1,080.00	28.0%	0.00				420.00	1,500.00	-1,080.00	28.0%
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	30,984.85	123,426.00	-92,441.15	25.1%	0.00				30,984.85	123,426.00	-92,441.15	25.1%
5499 · ADMIN LABOR-FISHERIES	77,530.03	274,622.00	-197,091.97	28.23%	0.00				77,530.03	274,622.00	-197,091.97	28.23%
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				21,002.43	160,000.00	-138,997.57	13.13%	21,002.43	160,000.00	-138,997.57	13.13%
6097 · GIS and Mapping	0.00				3,775.00	10,000.00	-6,225.00	37.75%	3,775.00	10,000.00	-6,225.00	37.75%
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				1,593.41	35,000.00	-33,406.59	4.55%	1,593.41	35,000.00	-33,406.59	4.55%
6115 · COMB Bidding Improvemnts & Maint	0.00				15,634.02	45,000.00	-29,365.98	34.74%	15,634.02	45,000.00	-29,365.98	34.74%
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				21,002.43	160,000.00	-138,997.57	13.13%	21,002.43	160,000.00	-138,997.57	13.13%
6000 · INFRASTRUCTURE IMPROVEMENT PROJ	0.00				1,839,949.22	5,890,000.00	-4,050,050.78	31.24%	1,839,949.22	5,890,000.00	-4,050,050.78	31.24%
6096 · SCC Structure Rehabilitation	0.00				2,040.88	440,000.00	-437,959.12	0.46%	2,040.88	440,000.00	-437,959.12	0.46%
6120 · Lake Cachuma Secured Pipeline	0.00				1,837,908.34	4,400,000.00	-2,562,091.66	41.77%	1,837,908.34	4,400,000.00	-2,562,091.66	41.77%
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				1,839,949.22	5,890,000.00	-4,050,050.78	31.24%	1,839,949.22	5,890,000.00	-4,050,050.78	31.24%
6200 · PROGRAM SUPPORT SERVICES	0.00				0.00				0.00			
6201 · FMP Implementation	0.00	42,000.00	-42,000.00	0.0%	0.00				0.00	42,000.00	-42,000.00	0.0%
6202 · GIS and Mapping	2,850.00	10,000.00	-7,150.00	28.5%	0.00				2,850.00	10,000.00	-7,150.00	28.5%
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	25,415.00	157,000.00	-131,585.00	16.19%	0.00				25,415.00	157,000.00	-131,585.00	16.19%
6300 · HABITAT IMPROVEMENT PROJECTS	0.00				0.00				0.00			
6207 · Oak Tree Restoration Program	434.97	18,000.00	-17,565.03	2.42%	0.00				434.97	18,000.00	-17,565.03	2.42%
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	434.97	28,000.00	-27,565.03	1.55%	0.00				434.97	28,000.00	-27,565.03	1.55%
Total Expense	396,051.81	1,517,212.00	-1,121,160.19	26.1%	2,485,770.12	8,501,331.00	-6,015,560.88	29.24%	2,881,821.93	10,018,543.00	-7,136,721.07	28.77%
Net Income	56,585.19	0.00	56,585.19	100.0%	930,583.77	0.00	930,583.77	100.0%	987,168.96	0.00	987,168.96	100.0%

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	November 14, 2022
Submitted by:	Janet Gingras

SUBJECT: Investment Report – October 31, 2022

RECOMMENDATION

The Board of Directors receive and file the Cachuma Operation & Maintenance Board Investment Report as of October 31, 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 October 2022, was not yet published as of the date of Board Packet delivery.

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

Table 1			
Unrestricted Reserve Funds			
Local Agency Investment Fund (LAIF)			
	9/30/2022	\$	1,244,714.25
(+) Deposits/Credits			1,006,604.97
(-) Checks/Withdrawals			(300,000.00)
Statement Balance	10/31/2022	\$	1,951,319.22

Restricted Cash

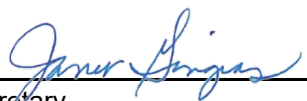
The Cachuma Project Warren Act Trust Fund (Trust Fund) and Cachuma Project Master Contract Renewal Fund (Renewal Fund) are two separate funds that have been established through contracts with the U.S. Bureau of Reclamation (Reclamation). The Trust Fund and the Renewal Fund require annual and five-year

plans which are used to inform the Funds Committee in making decisions on expenditures for betterment of the Cachuma Project.
 See Table 2 below for a summary of balances held in restricted accounts.

Table 2			
Restricted Reserve Funds			
American Riviera Bank Renewal Account			
Previous Balance	9/30/2022	\$	55,285.20
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	10/31/2022	\$	55,285.20
American Riviera Bank Warren Act Trust Fund			
Previous Balance	9/30/2022	\$	313,002.72
(+) Deposits/Credits			47,257.00
(-) Checks/Withdrawals			-
Statement Balance	10/31/2022	\$	360,259.72

STATEMENT

The above statement of investment activity for the month of October 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 October 31, 2022

Date	Num	Name	Memo	Amount
1050 - General Fund				
10/03/2022	29615	American Riviera Bank - Card Service	Website, Safety, Education & Supplies (Ops & Fisheries)	-2,864.33
10/03/2022	29616	Aqua-Flo Supply	Supplies (Ops)	-99.29
10/03/2022	29617	Bartlett, Pringle & Wolf, LLP	Audit Services FY 21-22	-7,876.00
10/03/2022	29618	Coastal Copy, LP	August Copier Maintenance - Kyocera Taskalfas 3253ci & 6054ci	-89.96
10/03/2022	29619	Cori Hayman	Director Meeting Fees September 2022	-300.00
10/03/2022	29620	Cushman Contracting Corp.	EPFP Pumping System - Pay Req 101	-3,500.00
10/03/2022	29621	ECHO Communications	Message Service October 2022	-78.00
10/03/2022	29622	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality Sampling	-510.00
10/03/2022	29623	Federal Express	Shipping (Ops & Fisheries)	-305.14
10/03/2022	29624	FP Mailing Solutions	Postage Meter Rental (Ops & Fisheries)	-195.75
10/03/2022	29625	Frontier Communications	Phone Service - Main Office Land Lines	-100.07
10/03/2022	29626	Frontier Communications	Phone Service - North Portal	-63.63
10/03/2022	29627	Harrison Hardware	Supplies (Ops & Fisheries)	-68.94
10/03/2022	29628	James C. Cushman, Inc.	Posittrak Skid Steer Repair	-787.20
10/03/2022	29629	Kristen Sneddon	Director Meeting Fees September 2022	-300.00
10/03/2022	29630	Lauren W. Hanson	Director Meeting Fees September 2022	-150.00
10/03/2022	29631	Materials Testing, Inc.	EPF Secured Pipeline Project - Materials Testing (Ops)	-3,016.20
10/03/2022	29632	Musick, Peeler & Garrett LLP	General Counsel August 2022 (Ops & Fisheries)	-8,558.89
10/03/2022	29633	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 9/16/22 9/30/22	-217.20
10/03/2022	29634	PG&E	Electricity - Tecolote Tunnel	-24.64
10/03/2022	29635	PG&E	Electricity - North Portal	-352.72
10/03/2022	29636	Polly Holcombe	Director Meeting Fees September 2022	-128.00
10/03/2022	29637	Rayne of Santa Barbara Inc	October RO Rental	-32.00
10/03/2022	29638	SB Home Improvement Center	Supplies (Fisheries)	-65.24
10/03/2022	29639	Spatial Wave	GIS & Mapping - Field Mapplet Software Maintenance October-December 2022 (Ops)	-925.00
10/03/2022	29640	Specialty Tool, LTD	Supplies (Fisheries)	-279.57
10/03/2022	29641	Staples Business Credit	Office Supplies (Ops & Fisheries)	-365.39
10/03/2022	29642	Wells Fargo Vendor Fin Serv	Lease Expense Kyocera Taskalfas 6054ci & 3253ci	-427.39
10/03/2022	29643	Zac Gonzalez Landscaping & Tree Care	Landscape Maintenance September 2022	-480.00
10/12/2022	29644	ACWA-Joint Powers Insurance Authority	Workers Compensation Program 7/1/22-9/30/22	-8,258.08
10/12/2022	29645	Association of Ca Water Agencies/JPIA	November 2022 Health Benefits Premium	-29,388.57
10/12/2022	29646	AT&T	Long Distance Service 8/27-9/27/22	-38.00
10/12/2022	29647	City of Santa-Barbara	Trash & Recycling September 2022	-336.17
10/12/2022	29648	Coastal Copy, LP	October Copier Maintenance - Kyocera Taskalfas 3253ci & 6054ci	-118.48
10/12/2022	29649	Cox Communications Santa Barbara	Business Internet October 2022	-195.44
10/12/2022	29650	Cushman Contracting Corp.	EPF Secured Pipeline - Construction Services	-880,450.50
10/12/2022	29651	Flowers & Associates, Inc.	EPF Secured Pipeline Project - Construction Management	-32,928.75
10/12/2022	29652	Home Depot Credit Services	Supplies (Ops)	-292.93
10/12/2022	29653	Hudson Waterproofing	COMB Building Maintenance - Deck Coating	-2,650.00
10/12/2022	29654	Impulse Advanced Communications	Phone Service Main Office	-867.53
10/12/2022	29655	Powell Garage	2003 Ford F-150 - Routine Service, Brakes & Power Steering Repair	-1,385.14
10/12/2022	29656	Powell Garage	2013 International Water Truck - Routine Service	-589.53
10/12/2022	29657	Premiere Global Services	Conference Calls September 2022	-26.62
10/12/2022	29658	Southern California Edison	Electricity - Main Office & Outlying Stations	-1,531.92
10/12/2022	29659	Sparkletts	Operations Safety	-103.78
10/12/2022	29660	Storror Environmental Services	EPF Secured Pipeline Project - Nesting Bird Survey	-1,008.13
10/12/2022	29661	Turenchalk Network Services, Inc.	Network Support September 2022 (Ops & Fisheries)	-2,962.60
10/12/2022	29662	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee	-167.50
10/12/2022	29663	WEX Fleet Universal	Fleet Fuel September 2022	-3,837.10
10/12/2022	29664	Federal Express	Shipping (Ops)	-101.09
10/12/2022	29665	Royal Carpet Cleaning	COMB Building Maintenance - Board Room	-572.00
10/17/2022	29666	County of Santa--Barbara	Waste Disposal Fee (Ops)	-38.85
10/17/2022	29667	Crocker Refrigeration Heating & Air	COMB Building Maintenance - Air Conditioner Repair	-302.74
10/17/2022	29668	Dal Pozzo Tire Corp.	2005 Ford F-550 - Tire Repair	-386.61
10/17/2022	29669	Environmental Systems Research Inst.	ArcGIS Desktop Maintenance 1/11/23-1/10/24	-5,700.00
10/17/2022	29670	Flowers & Associates, Inc.	EPF Secured Pipeline Project - Construction Management	-3,141.56
10/17/2022	29671	Instrument & Valve Services Company	Calibration of Equipment	-2,080.24
10/17/2022	29672	MarBorg Industries	Portable Facilities	-423.76
10/17/2022	29673	SBCCSDA	Associate Member Dues 2023	-50.00
10/17/2022	29674	Specialty Tool, LTD	Equipment (Ops)	-64.14
10/17/2022	29675	Verizon Wireless	Cellular Services - Phones, iPads, Modems & USBs (Ops)	-722.84
10/24/2022	29676	American Riviera Bank - Card Service	Website, Field Equipment, Office Furniture, Vehicle Repair & Misc Supplies (Ops & Fisheries)	-9,151.81
10/24/2022	29677	Assoc. of California Water Agencies	2023 Annual Agency Dues	-14,745.00
10/24/2022	29678	California Special Districts Association	2023 CSDA Membership Renewal	-1,634.00
10/24/2022	29679	Cushman Contracting Corp.	EPFP Pumping System - Pay Req 102	-3,500.00

Cachuma Operation & Maintenance Board

Paid Claims

As of October 31, 2022

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
10/24/2022	29680	J&C Services	Office Cleaning Service - Weekly 9/9/22-9/30/22	-680.00
10/24/2022	29681	PG&E	Electricity - North Portal	-309.28
10/24/2022	29682	Rayne of Santa Barbara Inc	November RO Rental	-32.00
10/24/2022	29683	Securitas Electronic Security	Security System Monitoring & Service	-469.00
Total 1050 - General Fund				<u>-1,043,402.24</u>
TOTAL				<u>-1,043,402.24</u>

APPROVALS

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	November 14, 2022
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

SUBJECT: Resolution No. 769 – 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. 769 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, 113,428 in total. Over the past week, the county has averaged 27 new cases and 0.4 new deaths per day. On Tuesday, 187 new cases and 3 death was reported. There are now 22 patients admitted to county hospitals with a confirmed case of COVID-19, a change of -18.5% 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. 769

RESOLUTION NO. 769

**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 NOVEMBER 24, 2022 TO DECEMBER 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 November 24, 2022, and shall be effective until the earlier of (i) December 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 November 14, 2022, by the following roll call votes:

AYES:

NAYS:

ABSENT:

ABSTAINED:

APPROVED:

President of the Governing Board

ATTEST:

Secretary of the Governing Board

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	November 14, 2022
Submitted by:	Joel Degner
Approved by:	Janet Gingras

SUBJECT: Resolution No. 770 – Ratification of Contract Addendum for Emergency Repairs

RECOMMENDATION:

The Board of Directors review the staff report and associated construction costs for the emergency blow-off repairs on the upper reach of the South Coast Conduit and adopt Resolution No. 770 approving and ratifying an addendum to the Cushman Contracting Corporation (CCC) construction contract in the amount of \$34,300.

SUMMARY:

On October 20, 2022, COMB staff was notified about an emergency condition (water leak) that was found to be emanating from a blow-off riser nozzle located in the upper reach of the South Coast Conduit (SCC) system. This section of the pipeline conveys raw water from Lake Cachuma. The blow-off riser nozzle was leaking through a crack in the riser pipe. A one-inch submersible pump was utilized to manage the leak. Due to the location of the leak, the repair required shutting down and dewatering a section of the SCC. During further investigation, it was determined that the blow-off riser located immediately west of the initial leaking blow-off was also potentially compromised. Staff formulated a shutdown and recharge plan specific to this section of the system, and convened a meeting with Member Agency technical staff to relay procedural information and organize conveyance coordination during and after the repair.

Engineering staff contacted and secured a schedule with Cushman Contracting Corporation (CCC) to perform the emergency repair work. CCC has previously completed the precise work to the SCC blow-off risers through a contract for the Schedule A through F AVAR/BO rehabilitation work. The emergency repair work was completed successfully by October 26th with recharge of the SCC occurring the next day. There were no customer outages during the shutdown. An addendum to the CCC contract in the amount of \$34,300 has been executed. Staff is requesting ratification of the expenditures for the emergency repair work in alignment with the COMB Board approved procurement policy.

FISCAL IMPACTS:

The Fiscal Year 2022-23 Operating Budget contains sufficient funding to support the emergency expenditures.

LEGAL CONCURRENCE:

Resolution No. 770 has been reviewed by General Counsel.

LIST OF EXHIBITS:

1. Resolution No. 770

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RESOLUTION NO. 770

**A RESOLUTION OF THE GOVERNING BOARD OF
THE CACHUMA OPERATION AND MAINTENANCE BOARD
RATIFYING A CONTRACT ADDENDUM FOR
EMERGENCY REPAIR WORK
ON THE SOUTH COAST CONDUIT**

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 (“Reclamation”); and

WHEREAS, the South Coast Conduit (“SCC”) and appurtenant facilities were installed by Reclamation in the 1950s and are critical infrastructure in operation of the Cachuma Project; and

WHEREAS, an unexpected water leak on a SCC blow-off riser pipe was detected on Thursday, October 20, 2022; and

WHEREAS, COMB engineering staff immediately contacted Cushman Contracting Corporation, which has previously completed this similar type of repair on other SCC blow-off appurtenances located within the system; and

WHEREAS, COMB engineering staff formulated a specific shutdown procedure and consulted with Member Agency technical staff to inform them of and coordinate with them on the emergency repair work, shutdown and conveyance operations; and

WHEREAS, upon further investigation, an additional blow-off riser pipe located on the SCC adjacent to the initial leaking riser pipe was found to also be in need of repair; and

WHEREAS, a Purchase Order Construction Contract (POC #21-22-06) was previously executed by Cushman Contracting Corporation for future planned rehabilitation of the AVAR/BO structures (schedule F1 & F4) on the South Coast (“Cushman Contract”); and

WHEREAS, an Addendum to the Cushman Contract in the amount of \$34,300 for this emergency repair work has been executed; and,

WHEREAS, the sudden and unexpected repair to Cachuma Project facilities, as described herein, constitutes an “emergency” for purposes of Public Contract Code sections 20806 and 1102, respectively, and Public Resources Code section 21060.3; and

WHEREAS, section 11.(A) (Emergency Procurement) of the COMB Procurement Policy provides that the General Manager will submit written documentation to the full COMB Governing Board for ratification; and

WHEREAS, the work to be performed under the Cushman Contract is statutorily exempt from environmental review under the California Environmental Quality Act ("CEQA") pursuant to Public Resources Code sections 21080(a)(2) and 21080(a)(4) and 14 Cal. Code of Regs. Sections 15269(b) and 15269(c).

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

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

2. The Governing Board hereby approves and ratifies the expenditures associated with the Addendum to the Cushman Contract executed with Cushman Contracting Corporation for Emergency Repairs to the SCC blow-off riser pipe appurtenances in the amount of \$34,300.

4. The Governing Board finds and determines that the work to be performed under the Cushman Contract is statutorily exempt from environmental review under CEQA pursuant to Public Resources Code sections 21080(a)(2) and 21080(a)(4) and 14 Cal. Code of Regs. Sections 15269(b) and 15269(c);

4. The above recitals are incorporated herein by reference and adopted as findings.

5. This Resolution shall take effect immediately.

PASSED, APPROVED AND ADOPTED by the Governing Board of the Cachuma Operation and Maintenance Board, this 14th day of November 2022, by the following roll call vote:

AYES:

NAYS:

ABSENT:

ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	November 14, 2022
Submitted by:	Joel Degner
Approved by:	Janet Gingras

SUBJECT: Lake Cachuma Emergency Pumping Facility Secured Pipeline Project - Status Report

RECOMMENDATION:

The Board receive and file a status report on the Lake Cachuma Emergency Pumping Facility Secured Pipeline Project.

SUMMARY:

Project Description: This project entails the installation of a water pipeline secured to the bottom of Lake Cachuma (lake) that will connect to the Tecolote Tunnel Intake Tower (intake tower) located on the south side and towards the eastern end of the lake. The intake tower normally operates as part of a gravity-fed system to provide water to COMB's Member Agencies. During drought conditions, water levels can fall below the lowest operational drafting gate, which then requires the installation of a pipeline and floating pumping system to maintain deliveries.

This project involves securing the pipeline to the bottom of the lake from the intake tower to the Site 1 location (approximately 3,600 linear feet) with pre-cast concrete anchor weights and installing an intake screen at the lake terminus of the pipeline at the same elevation as Gate 5 on the intake tower (660 to 664 feet). During severe drought, a floating pump system would be installed and connected to the secured pipeline. All funding for the project has been secured through a Bureau of Reclamation Drought Resiliency Project grant (\$750,000), a DWR Urban and Multi-benefit Drought Relief Program grant (\$2,250,000), and through COMB's Member Agency budget assessments (\$1,752,000). The funding and project were accepted and adopted by the COMB Board through Resolution No. 751 on May 23, 2022. The resolution was ratified by all of COMB's Member Agencies in June 2022. The project was publically solicited for a construction bid and COMB issued a construction contract to the lowest responsive and responsible bidding contractor, Cushman Contracting Corporation. The Bureau of Reclamation has provided COMB with an MP-620 permit for design modifications to the existing Cachuma Project facilities. All permits for the project have been secured. COMB contracted with Flowers and Associates, Inc. to provide construction management services during construction and Makai Ocean Engineering to provide design support during construction.

Project Location: The project is located in Lake Cachuma on lands owned by the Bureau of Reclamation for the Cachuma Project. The project will start from the Tecolote Tunnel Intake Tower which is located mid-reservoir and extend 3,600 feet to the west.

Contractor: Cushman Contracting Corporation (CCC) is the construction contractor awarded the competitive bid for \$4,158,035 and subsequently issued a Notice to Proceed on August 15, 2022.

Design Engineer: Makai Ocean Engineering, Inc. (Makai)

Construction Management Services: Flowers and Associates, Inc. (Flowers)

COMB Engineer: Joel Degner, P.E.

Project Status and Timetable (as of Board Meeting Date):

Status	Time
Notice to Proceed	8/15/2022
Construction Start	9/6/2022
Contract Time (WD*)	120
Completion Date	2/9/2022
Elapsed Time (WD* to Board Mtg)	62
Remaining Time (WDs to complete all work)	58
Time Elapsed (WD) to Date (%)	52%
*WD: Working Days	

Work Performed to Date: All permits were obtained and all initial biological surveys were completed for the project and submitted to the applicable regulatory agencies. Submittals for the project components have been provided by Cushman and reviewed by Makai, Flowers, and COMB. Project components are currently being manufactured. CCC has mobilized at the Boat Ramp 3 parking area (which was previously utilized in the last EPFP deployment). CCC constructed two working barges and launched from the Boat Ramp 3 parking area. One crane work barge and one additional work barge will allow for dredging, pipe tow, concrete weight transport, pile guide template attachment point, transport/driving of piles, and other deployment support. All 36" HPDE pipeline segments have been delivered on site (81 - 50' lengths of pipe have been delivered). Concrete anchor fabrication was initiated following the completion and verification of a prototype. All 162 concrete anchors manufactured by Universal Precast Concrete have been delivered onsite. The rebar and concrete was inspected on site in Redding, CA by Materials Testing, Inc./KC Engineering Company and Flowers and Associates. CCC installed a silt screen around the active drafting gate of the intake tower. Dredging around the tower has been completed. Careful and routine collaboration and communication with the water treatment operators occurred during the dredging. There were no issues with water quality related to the dredging activities near the tower. The Gate 5 intake box has been removed and 100 feet of existing HDPE pipeline has been removed. Initial pile driving and load testing occurred in two locations. The intake screen and carbon steel fittings have all been delivered on-site. Pipeline fusion was initiated in early November. COMB and Flowers staff have been overseeing all phases of construction. Makai has been providing design support by reviewing submittals and requests for information. Photos of the current construction efforts are provided as exhibits.

Work Projected for Next Month: The HDPE pipeline will be fused and concrete anchor weights will be attached to the pipeline during November. Pipeline fusion will likely be completed by early December. Pipeline deployment to the bottom is tentatively planned for mid-December.

FINANCIAL IMPACT:

The COMB FY 2022-23 budget provides \$4,400,000 for the Secured Pipeline Project of which \$3,000,000 will be offset by grant funding. A summary of the revenues and expenditures are presented below in Table 2. There is expected to be a small change order to refurbish the existing Gate 5 intake box (clean, recoat, install anodes, and additional bracing) which was not part of the original contract scope. Overall, 52.9% of the budget has been expended. Reclamation has provided \$743,000 grant funding through the Drought Resiliency Project Grant.

LEGAL CONCURRENCE:

COMB legal counsel has reviewed all contract documents related to the project.

ENVIRONMENTAL COMPLIANCE:

All permits have been obtained and are being followed.

LIST OF EXHIBITS:

Table 1: Estimated project cost and available funds for the project.

	FY 2021-2022	FY 2022-2023	Total
Revenues			
Bureau of Reclamation Drought Resiliency Grant		\$750,000	\$750,000
DWR Urban Multi-Benefit Grant		\$2,250,000	\$2,250,000
Budget Assessments*	\$352,000	\$1,400,000	\$1,752,000
Total	\$352,000	\$4,400,000	\$4,752,000
Expenditures			
CCC Construction	\$154,560	\$4,003,475	\$4,158,035
Flowers and Associates Construction Management	\$6,806	\$123,525	\$130,330
Makai Ocean Engineering Design Support	\$88,000	\$90,000	\$178,000
EPFP Storage Costs	\$42,000	\$42,000	\$84,000
Operating Expenses (permits, inspections, surveys)	\$39,798	\$50,000	\$89,798
Total	\$331,163	\$4,309,000	\$4,640,163
Differential	\$20,837	\$91,001	\$111,837

Table 2: Expenditures to date for the project.

Estimated Project Costs/Available Funds*	\$4,731,163		
Total Expenditures to Date	FY 2021-2022	FY 2022-2023	Total
CCC Construction	\$154,560	\$2,100,882	\$2,255,442
Flowers and Associates Construction Management	\$6,806	\$57,940	\$64,745
Makai Ocean Engineering Design Support	\$88,000	\$0	\$88,000
EPFP Storage Costs	\$42,000	\$10,500	\$52,500
Operating Expenses (permits, inspections, surveys)	\$39,798	\$6,228	\$55,316
Total	\$331,163	\$2,175,550	\$2,516,003

Summary:

% Expenditures through 10/31/22	52.9%
Funds Remaining (Est. Costs minus Total Expenditures)*	\$2,215,160

*Available Funds remaining were reduced by FY 2021-2022 differential as COMB Board has not approved the carryover FY 2021-22 funds.

Figure 1: a) 36" HDPE pipe delivered to boat ramp staging area; b,c) construction of Flexifloat working barges; d) concrete anchor weights form; e) concrete anchor weight prototype.

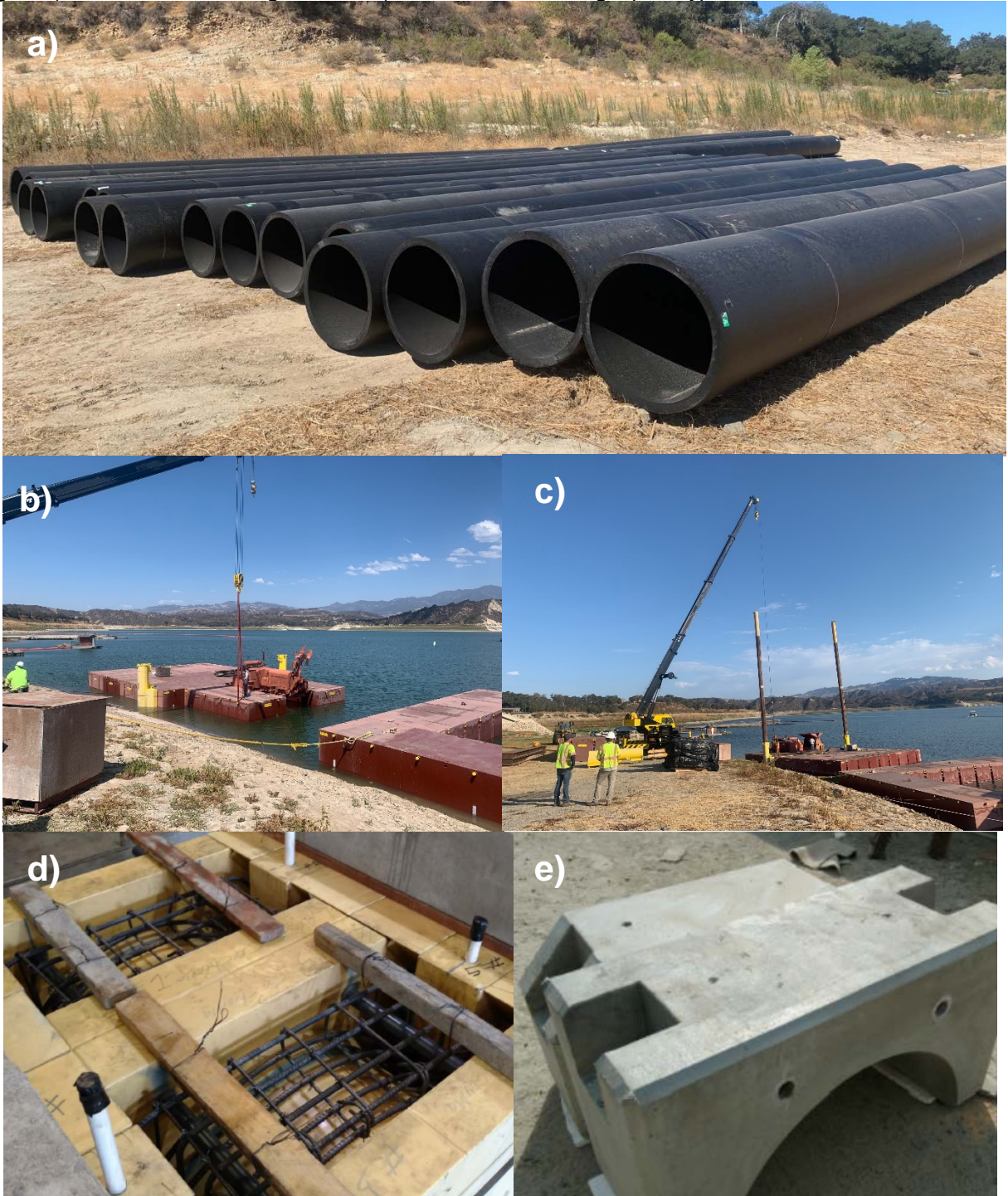
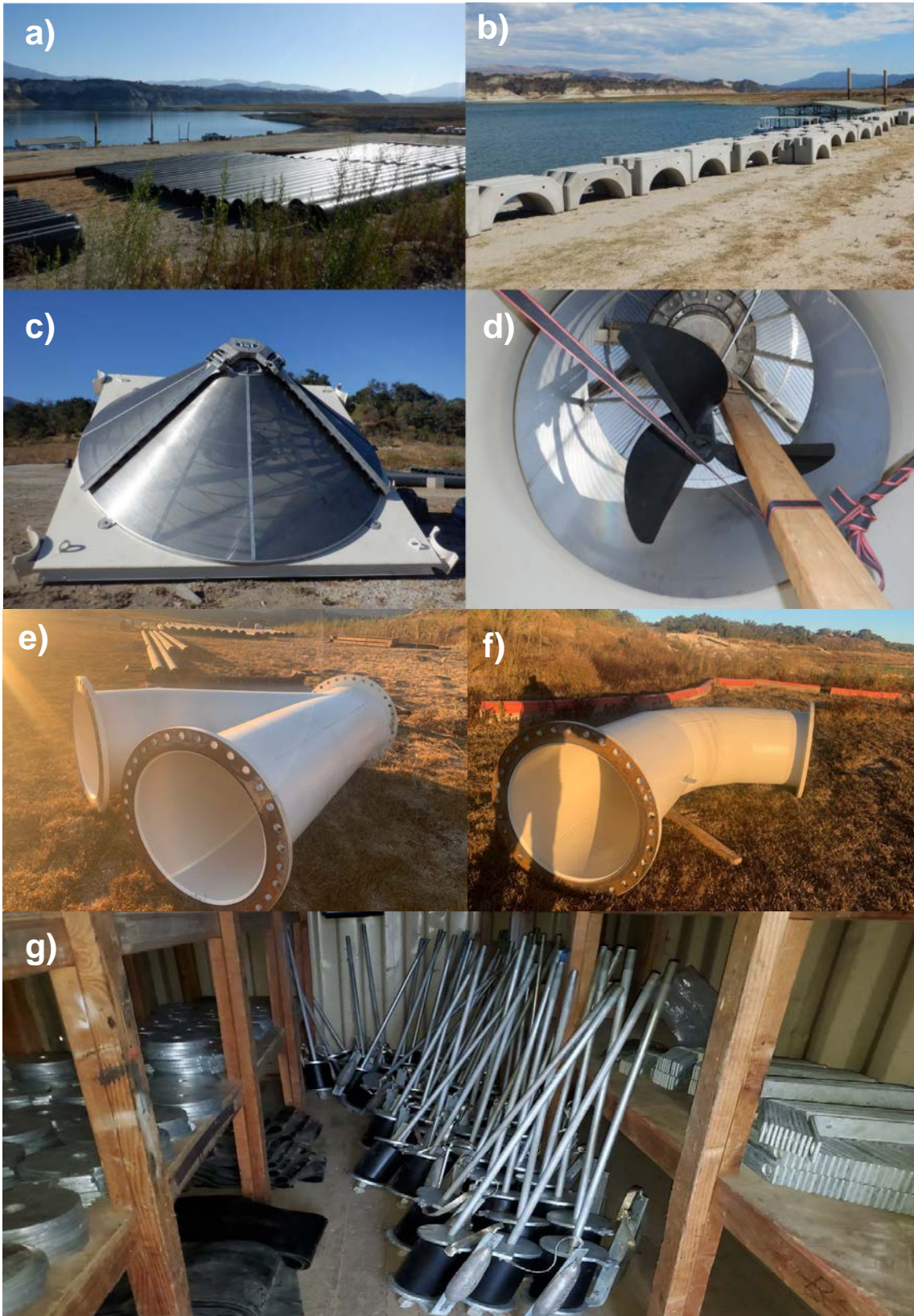


Figure 2: a) work barge dredging around the intake tower (J.Waller); b) clamshell bucket utilized for dredging around the berm and around the intake tower; c) airlift utilized for finer scale dredging around the intake box.



Figure 3: a) HDPE pipeline sections delivered onsite; b) concrete anchor weights delivered on site; c) wedge wire intake screen with mechanical cleaning system; d) propeller to driver the brush to clean the screen automatically; e) lateral tee for barge connection pipe; f) elbow to attach to intake screen; g) anchor weight fasteners and compression blocks.





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.”

November 14, 2022

General Manager Report

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

Personnel

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

I am pleased to again inform the Board that Mr. Shane King, Operations Supervisor, recently passed the State of California D3 Water Distribution Certification testing. Shane has been employed with COMB for over 7 years in total and brings extraordinary technical expertise to our agency including a Water Treatment (T2) certification. Mr. King plans on sitting for the D4 State Water Distribution certification exam as soon as possible. COMB now has four (4) D3 Water Distribution certified members on staff and continues to pursue advanced certifications within the Operations Division.

- **California Special Districts Association (CSDA)**

COMB Administrative staff (Ms. Turner) attended the 2022 CSDA Board Secretary/Clerk Conference during the week of November 7 - 9, 2022. Staff attended educational sessions on various topics including: Business Writing for Board Secretaries, ADA Compliance and Transparency 101, Best Practices for Taking and Processing Board Minutes, and Understanding the California Public Records Act.

Virtual Meetings

- **Santa Barbara County Integrated Regional Water Management Plan (IRWMP) Meeting**

The Santa Barbara County IRWMP cooperating partners met on October 25, 2022. Included on the agenda was an update on the Round 2 funding application process. The application for our IRWMP region was submitted and deemed complete and eligible. The projects include a lift station rehabilitation project submitted by the City of Guadalupe, a lead detection and repair project submitted by the City of Lompoc, the emergency pumping facility project submitted by COMB, and the advanced purification project submitted by Carpinteria Valley Water District. The County's consultant, Dudek, is working with DWR on specific project related questions. Dudek will keep the group informed as information becomes available.

Ms. Gray (Dudek) provided information on the Governor's water supply strategy which includes an outline of actions needed to invest in new water sources and actions to transform water management. Those actions include creating storage space for up to 4 million acre-feet of water, the ability to recycle and reuse at least 800,000 acre-feet of water by 2030, freeing up 500,000 acre-feet of water through more efficient water use by capturing storm water, and desalinating ocean water and salty water in groundwater basins. The Governor's plan outlines investments in: new sources of water supply, accelerating viable projects, and modernizing how the state manages water through technology. The 2022-23 State Budget includes \$2.8 billion for drought relief to communities, water conservation, environmental protection for fish and wildlife, and long-term drought resilience projects.

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

On November 2, 2022, COMB staff participated in the Santa Barbara County Operational Area (OA) Emergency Managers Committee meeting. The OA partners received a presentation from Aaron Bonfilio, Director of Rail and Transit Programs, and Lauren Bianchi Klemann, Government Affairs/Public Information Manager with Santa Barbara County Association of Governments (SBCAG). The presentation included an organization overview and a brief discussion of SBCAG's Transportation Emergency Preparedness Plan. The Plan is a bi-county plan formulated between Ventura and Santa Barbara Counties to address transportation challenges and outlines the roles and responsibilities of transit and emergency response through government and non-government organizations.

In addition, Stacy Silva Emergency Manager with Santa Barbara County OEM gave an overview of their Continuity of Operations Plan (COOP) template that was used to develop a county-wide COOP by department. Continuity of operations planning allows for the continued performance of essential functions and ensures that essential services continue to be provided to the community whenever there is a disruption to normal operations. OEM shared a copy of the template with the OA partners which can be utilized to establish and document agency-specific COOP concepts including sections for succession, priorities, essential resources, technology, devolution, and communications. The next OEM meeting is scheduled for Wednesday, December 7, 2022.

Respectfully submitted,

Janet Gingras

General Manager

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: November 14, 2022

TO: Janet Gingras, General Manager

FROM: Joel Degner, Engineer/Operations Division Manager

RE: MONTHLY ENGINEERING REPORT

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

CLIMATE CONDITIONS

The first major storm in the Lake Cachuma watershed in Water Year 2022-23 occurred on November 7th to 9th, 2022. A total of 1.43 inches of rain occurred at Cachuma Dam and 2.29 inches occurred at Gibraltar Dam. The county rainfall to date is 177 percent of normal. The early November rainfall event substantially reduced the fire risk. There are currently no major burn scars in the Lake Cachuma watershed that present water quality concerns. The climate prediction center forecasts that a 75% chance of La Niña during the Northern Hemisphere winter (December-February) 2022-23, with a 54% chance for ENSO-neutral in February-April 2023. The NWS seasonal outlook for Nov-Dec-Jan is leaning below normal. U.S. Drought Monitor continues to classify most of Santa Barbara County as in extreme drought (D3).

LAKE ELEVATION PROJECTION

The elevation at Lake Cachuma is currently at 693.44' (31.7% capacity, 61,266 AF). The downstream water rights release ended on October 5th, with a total release of 9,913 AF. Table 1 provides the modeling assumptions for three modeling scenarios (optimistic, realistic, and conservative). Figure 1 provides the lake elevation projection if dry conditions for water year 2022-23. In the conservative scenario the installation of the pumping facility would need to be approved by the Board in February 2023 for operation in July 2023. In the realistic scenario, the Board would need to approve the installation in March 2023 for operation in early September 2023. The contractor needs 120 days to install the pumping facility per the existing contract. The need to operate the pumping barge will likely coincide with the initiation of the downstream release in 2023.

Table 1. Modeling Scenario Assumptions

Parameter	Optimistic	Realistic	Conservative
SCC Exports	80% Forecast	Forecast	120% of Forecast
CCWA Inflow	120% Forecast	Forecast	80% of Forecast
WR 89-18 Release (2023)	8,000 AF	10,000 AF	12,000 AF
WR 89-18 Release (2024)	5,000 AF	5,000 AF	5,000 AF

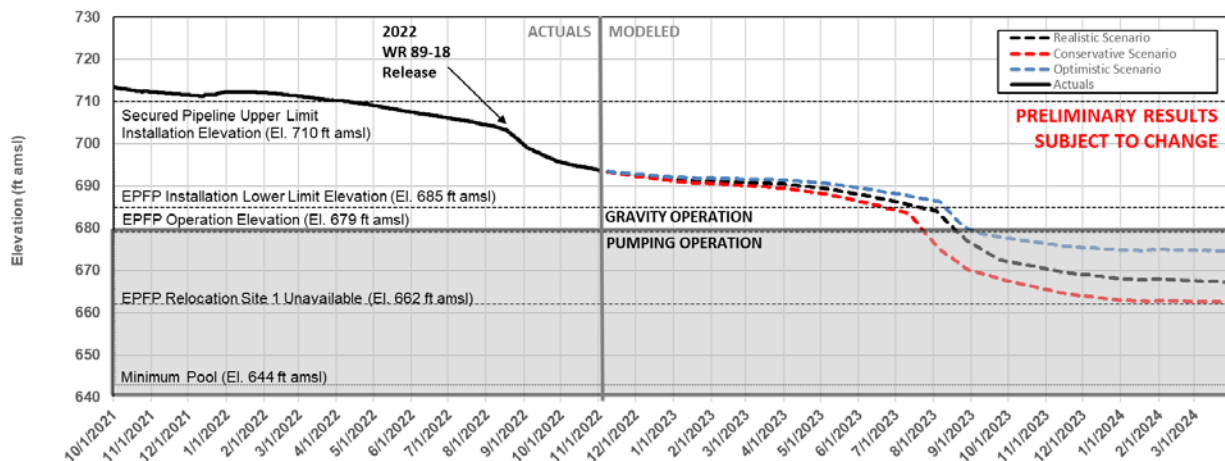


Figure 1. Projected Lake Elevations with Continued Dry Conditions

EMERGENCY SOUTH COAST CONDUIT SHUTDOWN AND REPAIR

A leak was found at blowoff structure 639+50 on 10/20/22. To repair the leak in the Upper Reach of the South Coast Conduit required isolation and dewatering. The leak was caused by a crack in a 6" steel blow off riser piping inside the vault structure. The South Coast Conduit was isolated on October 24th and dewatered. The repair was conducted by Cushman Contracting Corporation under an amendment to the AVAR-BO Rehabilitation contract. The repair involved welding a 5-inch diameter pipe sleeve inside the 6-inch diameter riser pipe (Figure 1). This process required entry and welding from inside the 48" diameter South Coast Conduit. During the shutdown, the adjacent blowoff 626+75 riser piping was found to be in need of repair. The same procedure was performed to sleeve the inside of the pipe at 626+75. The work was successfully completed and the South Coast Conduit was recharged on 10/27/22. Corona del Mar Treatment Plant was able to divert all the North Portal diversion and Cater Water Treatment Plant was able to utilize storage in Lauro Reservoir during the shutdown so that there was no disruption in water service.



Figure 3. 639+50 – Blowoff Riser Repair – a) leak observed on 10/20; b) leak pumped out on 10/20; c) circumferential crack in the steel pipe around at weld; d) bottom weld of the 5-inch diameter steel sleeve into the 6-inch diameter pipe; e) all bare metal surfaces coated after welding; f) outside of the pipe was cleaned to bare metal and coated with a super metal epoxy.

INFRASTRUCTURE IMPROVEMENT PROJECTS

Table 1 provides the status of Fiscal Year 2022-23 infrastructure improvement and special projects.

Table 1. Fiscal Year 2022-2023 Infrastructure Improvement Projects

Infrastructure Improvement Projects	Status / Phase	Complexity / Challenges	Estimated Completion Date
Infrastructure Improvement Projects			
SCC Line Valves for Shutdown	Contractor has been engaged to perform design on Lillingston Line valve and provided preliminary design exhibit for its proposed location to COMB. Potholing will be required to locate the joints on the SCC to finalize the design and locate other utilities.	Additional line valve(s) are needed in Carpinteria to facilitate shutdown work. A Cooperative Agreement between CVWD and COMB has been approved by COMB and CVWD to facilitate the work.	March to April 2023 - potentially could be postpone to Fall 2023.
SCC Structure Rehabilitation : Lower Reach Laterals	CVWD contractor successfully completed rehabilitated Laterals 1R,1L, 2R, 3L,4L in August. Laterals 5R and 6R will be completed as part of the SCC shutdown for the AVAR-BO project.	In order to facilitate shutdowns on the Lower Reach of the SCC, lateral valves need replacement. COMB is collaborating with CVWD on this project.	CVWD construction on Phase 1 will likely be completed in February 2023.
SCC Structure Rehabilitation : AVAR/BO Valves	The shutdown is tentatively scheduled for February 2023. Timing may need adjustment depending on constraints for CVWD to temporarily bypass to the laterals during the proposed shutdown.	The remaining structures to be rehabilitated are the most difficult access-wise (with several in Highway 192) and with difficult shutdowns to schedule in the Carpinteria area.	Shutdown and construction is planned for mid-February 2023.
Special Projects			
Emergency Pumping Facility - Secured Pipeline Project	The contractor has begun fusing the HDPE pipeline and will be fusing the pipeline and attaching weights for most of November. Deployment (sinking) of the pipeline is tentatively planned for mid-December 2022.	The Secured Pipeline Project needs to be installed when the lake is between 690' and 710' in elevation. The lake elevation is projected to remain above 685' until Spring 2023. Installation of the EPF (floating pump station) is needed when the elevation is projected to fall below 685'.	Secured Pipeline is planned to be completed in February 2023 but is currently ahead of schedule and could be completed earlier. The Emergency Pumping Facility would need to be installed approved for installation in February/March timeframe for operation in July/August if dry conditions continue in Water Year 2023.
Lake Cachuma Water Quality and Sediment Management Study	COMB awarded the contract for the Phase 2 phosphorous/TOC source study in October 2022. The first step in the project is develop the work plan for the sampling that will be required.	Additional sampling is needed to better understand nutrient and total organic sources prior to determining if additional larger actions at the lake would make sense from a cost-benefit stand point.	A focused phosphorous and TOC sourcing study by COMB is planned for FY 2022/2023 and FY 2023/24.

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CACHUMA OPERATION AND MAINTENANCE BOARD

DATE: November 14, 2022
TO: Janet Gingras, General Manager
FROM: Shane King, Operations Supervisor
RE: **MONTHLY REPORT OF OPERATIONS – October 2022**

The total flow from Lake Cachuma into the Tecolote Tunnel for October was 1,867.32 acre-feet, for an average daily flow of 60.24 acre-feet. Lake elevation was 695.56 feet at the beginning of October and 693.78 feet at the end of October. Lake storage decreased by 2,744 acre-feet. There was 159.56 acre-feet of inflow from CCWA into Cachuma Project facilities this month. The City of Santa Barbara wheeled 44.96 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized and delivered 212.54 acre-feet of water to Hilton Creek for the month of October.

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 October 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 87 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 screen for gate five at the intake tower was pulled and cleaned. The intake tower slide gates were greased and exercised.
- Cushman Construction Company was hired to do an emergency repair on a blow off structure on the non-potable side of the SCC. A leak was detected on the nozzle piping connected directly to the SCC. Operations staff stopped flow going past Carona del mar (CDM) water treatment plant by utilizing the slide gate located at the CDM weir box and the San Marcos isolation valve. Once the flow was isolated, staff drained the section of the SCC where the leak was occurring and prepped the structures for repair. During the prep work, it was noticed that another blow off nozzle was in poor condition and needed immediate attention. It was decided that COMB would have this nozzle repaired as well. Once Cushman completed the repairs, COMB staff recharged the SCC and returned flow/valving back to normal operations.
- COMB staff has been continually and closely monitoring the secured pipeline work being conducted by Cushman Construction Company. All piping, concrete anchors, fasteners, intake screen, etc. have been delivered to the staging area at Cachuma Lake. Cushman completed the dredging around the intake tower and removed the intake box and 100 feet of piping from gate 5. They took these pieces back to the staging area to make modifications for future secured pipeline connections. Cushman drove four test piles and conducted strength/tension testing on these piles. Cushman also drove guide piles to tie off the piping as they fuse it together and begin deploying it into the lake. The pipe fuser was delivered and Cushman is now in the early stages of fusing pipe and special connections.
- In preparation for the upcoming winter months and rainfall, operations staff visited all of COMB's sites and cleaned 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 ~15 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: November 14, 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 has been delivering to the creek well above 2 cfs throughout the last month (approximately 3.4 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.

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 November 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 Summary/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/Report.

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 in October and will be completed by the end of the third week in November. The results are presented in the Annual Monitoring Summary/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 LSUR at the Hwy 154 Bridge.

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 1.2 cfs) for an approximate total of 3.4 cfs (USGS is reporting a total of 5.0 cfs).

Documenting compliance in meeting target flows at the Hwy 154 Bridge (2.5 cfs) cannot be done at the bridge 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 can be challenging to meet 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 is not 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 new USGS gage just upstream of the Hwy 154 Bridge has been in full operation since 10/1/22 where discharge and water quality data are being streamed online every 15 minutes. 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.

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 HCWS was initially constructed in 1999 then modified to its current configuration in 2004. 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 power outage 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. That pump is now ready to go and is in standby mode.

An unplanned PG&E power outage occurred in the late afternoon of 11/5/22 that caused the HCWS pump to shut off and an interruption of flow to the URP (only) for approximately 2.5 hours. No fish were found stranded and no mortalities were observed.

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		29,857	
Total:	9,184	44,555	-2,314
* Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013.			
** Values as of 10/31/22.			
*** 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) – Mr. Knight gave COMB-FD staff a training session on Formative Pruning at Lake Cachuma. No further work was performed during this period on established SOW tasks.

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	November 14, 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 – 11/14/22, 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 that recommended going forward with replacing 50 dead oak trees during the wet season of this water year. The COMB Board was in agreement with that directive.

Table 1: Cachuma Oak Tree Program completed 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	Nov 2022
Year 13 Oaks	New Trees	New Trees	New Trees	Irrigated	Irrigated		Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	
(2021-2022)	QA/QC	QA/QC	QA/QC	Weeded	Weeded		Weeded	Weeded	Weeded	Weeded	Weeded	
	Tree Tags	Tree Tags	Tree Tags									
		Deer Cages	Deer Cages									
		Mulch/Irrigated	Mulch/Irrigated									
Year 12 Oaks			Irrigated	Irrigated		Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated
(2020-2021)			Weeded	Weeded		Weeded	Weeded	Weeded	Weeded	Weeded	Weeded	Weeded
Year 11 Oaks					Irrigated	Irrigated		Irrigated				
(2019-2020)					Weeded	Weeded		Weeded				
Year 10 Oaks												
(2018-2019)												
Year 9 Oaks	Irrigated											
(2016-2017)	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 continued on the Year 12 trees in late October and early November leading up to the current Board Meeting. The Oak Tree Program water trailer continues to be used in collaboration with the Secured Pipeline Project by Cushman Contracting Corporation for water supply within their staging area.

Training

Arborist Ken Knight held a Formative Pruning Training class with COMB-FD on the morning of 10/24/22 just inside the Santa Barbara County Park entrance (Exhibit 1). Full-time staff was shown a variety of specialty tools, guides and how to properly maintain/sharpen equipment for optimal use. Staff visited a variety of valley and coast live oak trees ranging from small to large in size, discussing techniques to encourage vertical growth and general tree health. Bamboo stakes and tree ties were used on trees that needed their main branch stabilized.

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:

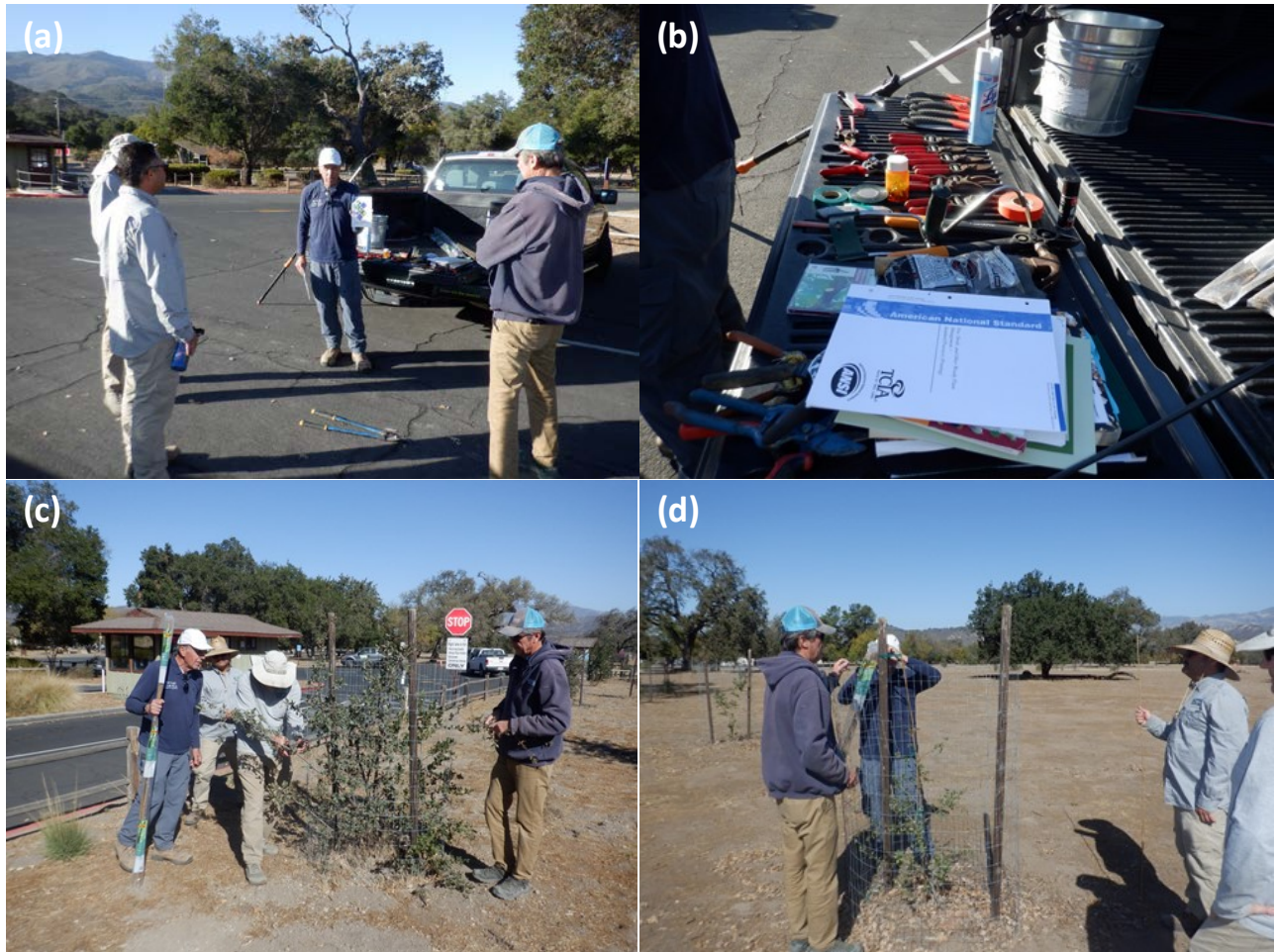


Exhibit 1: Arborist training COMB-FD on formative pruning techniques showing (a) group discussion, (b) hand tools and equipment, (c) pruning a side branch so more energy is focused on the central leader, and (d) bamboo and tie treatment on a spindly branch.

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

November 2022

LAKE CACHUMA DAILY OPERATIONS

Run Date: November 10, 2022

Day ¹	Table Row	Lake Cachuma				Rainfall ⁴		Evaporation ⁴		CCWA Inflow	Release					Computed Inflow ²	
		Elevation	Storage	Change in Storage	Surface Area	PP	PPAF	EV	EVAF		Park Use	Tunnel	Hilton Creek	WR 89-18	Outlet ³		Spillway
SHEF Tag→		HL	LS	LC		PP	PPAF	EV	EVAF	QICWA		QUTEC	QUHIL	QUWATR	QU	QS	QI
		ft	acre-feet	acre-feet	acres	inches	acre-feet	inches	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet
31	1493	693.78	61,757														
1	1494	693.72	61,670	(86.5)	1,464.3	-	-	0.080	7.03	-	-	70.85	6.77	-	6.70	0.60	5.45
2	1495	693.64	61,555	(115.3)	1,462.4	0.07	8.5	0.180	15.79	-	-	65.28	6.86	-	7.60	0.60	(27.72)
3	1496	693.58	61,468	(86.5)	1,461.1	-	-	0.050	4.38	-	-	64.61	6.75	-	6.70	0.60	(3.45)
4	1497	693.52	61,382	(86.5)	1,459.7	-	-	0.150	13.14	-	-	53.02	6.87	-	7.60	0.60	(5.27)
5	1498	693.48	61,324	(57.7)	1,458.8	-	-	0.110	9.63	-	-	51.19	6.75	-	6.70	0.60	17.20
6	1499	693.42	61,238	(86.5)	1,457.4	-	-	0.110	9.62	-	-	53.01	6.84	-	6.50	0.60	(9.93)
7	1500	693.39	61,194	(43.2)	1,456.8	0.01	1.2	0.070	6.12	-	-	40.70	6.84	-	7.60	0.60	17.39
8	1501	693.45	61,281	86.5	1,458.1	0.41	49.8	0.020	1.75	-	-	34.42	6.74	-	6.70	0.60	86.89
9	1502	693.47	61,310	28.8	1,458.6	1.10	133.7	-	-	-	-	21.86	6.84	-	(1.40)	0.60	(76.97)
10	1503	693.44	61,267	(43.2)	1,457.9	0.01	1.2	0.100	8.75	-	-	11.84	6.75	-	6.70	0.60	(9.83)

Total				(490.16)		1.60	194.48	0.870	76.21	-	-	466.77	68.01	-	61.40	6.00	(6.25)
Minimum		693.39	61,194	(115.33)	1,456.75	-	-	-	-	-	-	11.84	6.74	-	(1.40)	0.60	(76.97)
Average		693.51	61,369	(49.02)	1,459.50	0.16	19.45	0.087	7.62	-	-	46.68	6.80	-	6.14	0.60	(0.63)
Maximum		693.72	61,670	86.50	1,464.27	1.10	133.70	0.180	15.79	-	-	70.85	6.87	-	7.60	0.60	86.89

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 November pan factor: 72%
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: October 2022**



Cachuma Lake Recreation Area Launch Data -- October 2022		
Inspection Data		
Total Vessels Entering Park	365	
Total Vessels Launched	351	
Total Vessels Quarantined	14	
Returning (Tagged) Boats Launched	251	72%
Kayak/Canoe: Inspected, launched	100	28%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
Quarantine Data		
Total Vessels Quarantined	14	
Quarantined 14 days	*	
Quarantined 30 days	14	
Quarantine Cause		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	5	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	14	
Demographic Data		
Quarantined from infected county	5	
Quarantined from SB County	8	
Quarantined from uninfected co	1	

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

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

* These conditions are no longer being tracked.

EARLY DETECTION MONITORING PROGRAM SUMMARY

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

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

Plankton Tow Inspection Dates and Times: 2022.10.09 and 2022.10.30; 10 a.m. to 12 p.m. PDT.

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

Artificial Substrate & Surface Survey Date and Time: 2022.10.28 and 10.10; 10 a.m. to 12 p.m. PDT.

Method: 4 Artificial Substrate Stations; 22 meters/72.18 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 693.97; Max acre-feet: 192,978, current: 62,030;

Current capacity: 32.1%