



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

**Monday, February 28, 2022  
1:00 P.M.**

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**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/88649862668?pwd=OGdvbmRyY3BIZ0lQR0lXMzlpVzI6UT09>

Passcode: 924181

**Join via teleconference:**

US: +1 669 900 6833 Webinar ID: 886 4986 2668 Passcode: 924181

**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**

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**Monday, February 28, 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 Orders 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 January 10, 2022 Special Board Meeting
  - b. Minutes of January 24, 2022 Regular Board Meeting
  - c. Investment of Funds
    - Financial Reports
    - Investment Reports
  - d. Review of Paid Claims
- 4. VERBAL REPORTS FROM BOARD COMMITTEES**  
Receive verbal information regarding the following committee meetings:
  - Fisheries Committee Meeting – February 10, 2022
- 5. RESOLUTION NO. 744 – CONFIRMATION OF LOCAL EMERGENCY - ACKNOWLEDGEMENT OF GOVERNOR NEWSOM'S DECLARED STATE OF EMERGENCY (HEALTH AND SAFETY)**  
Action: Recommend adoption by motion and roll call vote of the Board
- 6. RESOLUTION NO. 745 - RATIFICATION OF EMERGENCY CONTRACTS - ORTEGA RESERVOIR REPAIR**  
Action: Recommend approval by motion and roll call vote of the Board
- 7. PROPOSED USGS STREAM GAUGE EXPENDITURES AND CONTRACT AMENDMENT**  
Action: Recommend approval by motion and roll call vote of the Board

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8. **GENERAL MANAGER REPORT**  
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
  - Meetings
  - Operations
9. **ENGINEER'S REPORT**  
Receive verbal information from the COMB Engineer, including but not limited to the following:
  - Climate Conditions
  - Lake Elevation Projections
  - Infrastructure Improvement Projects
10. **OPERATIONS DIVISION REPORT**  
Receive verbal information regarding the Operations Division, including but not limited to the following:
  - Lake Cachuma Operations
  - Operation and Maintenance Activities
11. **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
12. **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
13. **MONTHLY CACHUMA PROJECT REPORTS**  
Receive information regarding the Cachuma Project, including but not limited to the following:
  - a. Cachuma Water Reports
  - b. Cachuma Reservoir Current Conditions
  - c. Lake Cachuma Quagga Survey
14. **DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING**
15. **MEETING SCHEDULE**
  - Regular Board Meeting – March 28, 2022 at 1:00 PM
  - Board Packages available on COMB website [www.cachuma-board.org](http://www.cachuma-board.org)
16. **COMB ADJOURNMENT**

#### NOTICE TO PUBLIC

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

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

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

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

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

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

**Monday, January 10, 2022  
1:00 P.M.**

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**MINUTES**

**1. CALL TO ORDER, ROLL CALL**

The special meeting of the Board of Directors was called to order by President Holcombe at 1:06 PM with a quorum of directors present.

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

**Directors Absent:**

Cori Hayman, Montecito Water District

**General Counsel Present:**

William Carter, Musick, Peeler, Garrett, LLP

**Staff Present:**

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

**Others Present:**

Nick Turner, Montecito Water District

**2. PUBLIC COMMENT**

There was no public comment.

**3. RESOLUTION NO. 742 – CONFIRMATION OF LOCAL EMERGENCY -  
ACKNOWLEDGEMENT OF GOVERNOR NEWSOM’S DECLARED STATE OF  
EMERGENCY (HEALTH AND SAFETY)**

Ms. Gingras introduced Resolution No. 742, noting it was presented in order to facilitate ongoing remote meetings. As there was no discussion, Director Hanson provided a motion to approve the resolution followed by a second from Director Sneddon. The motion carried with a vote of five in favor.

**Ayes:** Sneddon, Hanson, Holcombe  
**Nays:**  
**Absent:** Hayman  
**Abstain:**

**4. SOUTH COAST CONDUIT (SCC) REHABILITATION PROJECTS / EMERGENCY REPAIR WORK – CONSTRUCTION CONTRACT CHANGE ORDER**

Mr. Degner presented the change order and described the emergency repairs that were completed during recent planned South Coast Conduit Infrastructure Improvement projects. He reviewed the original agreement with the contractor and the additional sum now requested of the Board due to the unanticipated work. In response to a Board question, Ms. Gingras noted that the funds could be adjusted from within the current budget. Expressing support for the completed repairs, Director Sneddon motioned to approve the change order. Director Hanson seconded the motion which carried with a vote of five in favor.

**Ayes:** Sneddon, Hanson, Holcombe  
**Nays:**  
**Absent:** Hayman  
**Abstain:**

**5. CACHUMA RESERVOIR CONDITIONS**

Mr. Degner displayed a series of slides illustrating the current status of the reservoir. He reviewed the change in lake elevation resulting from the recent rain event and discussed the potential for future run-off into the reservoir. As well, Mr. Degner presented a graphic showing the change in the State of California’s reported drought monitoring. He fielded questions from the Board.

**6. DIRECTORS’ REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING**

There were no requests for future agenda items from the Board.

**7. MEETING SCHEDULE**

- **January 24, 2021 Regular Board Meeting at 1:00 P.M**
- **Board Packages Available on COMB website [www.cachuma-board.org](http://www.cachuma-board.org)**

**8. COMB ADJOURNMENT**

There being no further business, the meeting was adjourned at 1:25 PM.

Respectfully submitted,

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Janet Gingras, Secretary of the Board

	<i>Approved</i>
√	<i>Unapproved</i>

**APPROVED:**

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Polly Holcombe, President of the Board

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

**Monday, January 24, 2022  
1:00 PM**

**MINUTES**

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**1. CALL TO ORDER, ROLL CALL**

The regular meeting of the Board of Directors was called to order by President Holcombe at 1:00 PM.

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

**Directors Present:**

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

**General Counsel Present:**

William Carter, Musick, Peeler, Garrett, LLP

**Staff Present:**

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

**Others Present:**

Joshua Haggmark, City of Santa Barbara	Nick Turner, Montecito Water District
Cathy Taylor, City of Santa Barbara	Matt Young, Santa Barbara County Water Agency

**2. PUBLIC COMMENT**

There was no public comment.

**3. CONSENT AGENDA**

- a. Minutes of December 13, 2021 Regular Board Meeting
- b. Investment of Funds
  - Financial Reports
  - Investment Reports
- c. Review of Paid Claims

Ms. Gingras presented the Consent Agenda items for Board review and asked Mr. Lyons to comment on the financial and paid claims reports. Mr. Lyons drew attention to several paid claims items of note, including the deposit paid to Atlas Performance Industries, Inc. to replace the accounting trailer, the water rights fees paid to the State Board of Equalization and the reimbursement of unexpended fund for fiscal year 2020-21.

Ms. Gingras called for a motion to approve item 3.a. which was put forth by Director Sneddon and seconded by Director Hanson. The motion passed with a vote of five in favor and one abstention.

**Ayes:** Sneddon, Hanson, Holcombe

**Nays:**

**Absent:**

**Abstain:** Hayman

Director Hanson motioned to approve the remaining Consent Agenda items. Director Sneddon seconded the motion which carried with a unanimous vote of six in favor.

**Ayes:** Sneddon, Hayman, Hanson, Holcombe

**Nays:**

**Absent:**

**Abstain:**

#### 4. VERBAL REPORTS FROM BOARD COMMITTEES

- *Operations Committee Meeting – January 7, 2022* – Director Sneddon reviewed the committee meeting agenda, noting that two items are included in this agenda for Board approval. She reviewed the remaining items briefly for the Board.

#### 5. RESOLUTION NO. 743 – CONFIRMATION OF LOCAL EMERGENCY - ACKNOWLEDGEMENT OF GOVERNOR NEWSOM’S DECLARED STATE OF EMERGENCY (HEALTH AND SAFETY)

Ms. Gingras presented Resolution No. 743 for approval. As there was no discussion, Director Sneddon motioned to approve the resolution. Director Hanson seconded the motion which carried with a vote of six in favor.

**Ayes:** Sneddon, Hayman, Hanson, Holcombe

**Nays:**

**Absent:**

**Abstain:**

#### 6. FINANCIAL REVIEW – 2<sup>ND</sup> QUARTER FISCAL YEAR 2021-22

Mr. Lyons provided a recap of COMB’s financial activities for the second quarter of Fiscal Year 2021-22. Directing the Board’s attention to the PowerPoint presentation included in the packet, he reviewed sources of revenues collected, followed by analysis of the divisional results as compared to the budget. Mr. Lyons provided explanation for budget variances where appropriate. He noted that the overall financial results were within budget.

#### 7. STATE OF CALIFORNIA – DIVISION OF DRINKING WATER (DDW) D3 PERMIT

Mr. Degner presented an update on the status of the DDW D3 permit process. He provided explanation for some small increased costs pursuant to DDW-requested system upgrades. Mr. Degner noted several benefits that would attach to COMB, its staff and the water treatment facilities, should the permit be approved. He fielded questions and comments. Following discussion, Director Sneddon made a motion to approve the expenditures and receive and file the permit when issued. Director Hayman seconded and the motion passed with a unanimous vote of six in favor.

**Ayes:** Sneddon, Hayman, Hanson, Holcombe  
**Nays:**  
**Absent:**  
**Abstain:**

## **8. LAKE CACHUMA EMERGENCY PUMPING FACILITY PROJECT - COST ANALYSIS**

Mr. Degner presented an in depth cost analysis of the secured pipeline component of the Emergency Pumping Facility as compared to the costs associated with continued reliance upon the existing temporary floating pipeline, which must be deployed when the elevation of the lake drops below the lowest operable gate of the intake tower. He discussed grant funding for the initial installation and the expected cost savings COMB would realize in years subsequent to installation. He noted other benefits, including cost savings to be realized by the treatment plants, due to improved water quality. Mr. Degner floated a possible summer installation date, depending upon the outcome of the rainy season and fielded questions and comments from the Board.

## **9. GENERAL MANAGER REPORT**

- Administration

Ms. Gingras summarized the General Manager report, highlighting the ACWA JPIA President's Special Recognition Award that COMB received for its low paid claims ratio and case reserves for 2021, as well as reporting on the activities of the IRWM meeting. She advised that COMB will apply for IRWM Round 2 funding with respect to the secured pipeline project and referred the Board to the table of contracts executed during the previous quarter. Ms. Gingras requested that Mr. Lyons report the results of the annual IT meeting. Ms. Gingras fielded questions and comments from the Board.

## **10. ENGINEER'S REPORT**

- Climate Conditions
- Lake Elevation Projections
- 2021 Bathymetric Survey Results
- Infrastructure Improvement Projects

Mr. Degner provided the Board with updated climate conditions, noting that December was a wet month. He reviewed the forecast for installation of the Emergency Pumping Facility based upon the latest rainfall. Mr. Degner reported that he had received the final report of the recent bathymetric survey of Lake Cachuma. He reviewed the status of the Operations projects, emphasizing the La Mirada Isolation Valve project as the primary focus of staff time and efforts. He noted that supply chain delays are of concern and could impact shutdown plans. Mr. Degner fielded questions from the Board.

## **11. OPERATIONS DIVISION REPORT**

- Cachuma Operations
- Operation and Maintenance Activities

Mr. King presented the Operations Division Report, providing updates on the Division's routine activities. He highlighted staff's work draining and cleaning the Carpinteria reservoir and acknowledged the assistance provided by Carpinteria Water District staff, as integral to the success of the undertaking. Mr. King reported that an insertion meter had been installed. Additionally, Mr. King advised that the dive inspection of Ortega reservoir was complete and necessary maintenance work uncovered during

the inspection had been accomplished. Finally he reported that Operations staff had assisted the Fisheries Division with plantings in the Live Oak area.

## 12. FISHERIES DIVISION REPORT

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

Mr. Robinson presented the Fisheries Division report, noting Reclamation's target flow deliveries to Hilton Creek and the Highway 154 Bridge. He advised that annual surveys are nearly complete and that redds are appearing in Hilton Creek. He anticipated that the annual trapping will begin approximately February 1<sup>st</sup>. Mr. Robinson reported receipt of the Pit-Tagging equipment and advised that deployment will be a major task and include a learning curve. Staff is busy with the Annual Monitoring Report and Summary, both expected to be completed this week. He fielded comments from the Board.

## 13. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

- Maintenance and Monitoring

Mr. Robinson reported that staff was busy with planting work with 375 trees in the ground at Live Oak Camp Ground. Deer cages and GPS tagging are yet to be completed. Grant funding for 100 trees should be forthcoming due to COMB's collaboration with Mr. Kenneth Knight. He noted that inventory efforts will begin soon. Mr. Robinson fielded questions and responded to Board concerns.

## 14. MONTHLY CACHUMA PROJECT REPORTS

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

Ms. Gingras presented the Cachuma Project reports, noting that two months of reports were included.

## 15. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

Director Hayman requested an update on any potential impact to COMB operations from the North County cannabis grow recently reported in the media.

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

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

The Board convened the Closed Session at 2:52 PM.

## 17. RECONVENE INTO OPEN SESSION

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

[Government Code Section 54957.1]

- 19a. 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
- 19b. Potential Litigation: Conference with Legal Counsel

The Board reconvened into Open Session at 3:04 PM. There was no reportable action.

**18. MEETING SCHEDULE**

- **Regular Board Meeting – February 28, 2022 at 1:00 PM**
- **Board Packages available on COMB website [www.cachuma-board.org](http://www.cachuma-board.org)**

**19. COMB ADJOURNMENT**

There being no further business, the meeting was adjourned at 3:05 PM.

Respectfully submitted,

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Janet Gingras, Secretary of the Board

	<i>Approved</i>
√	<i>Unapproved</i>

**APPROVED:**

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Polly Holcombe, President of the Board

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

**January 31, 2022**

**ASSETS**

**Current Assets**

**Checking/Savings**

**Trust Funds**

1210 - Warren Act Trust Fund \$ 170,715.72

1220 - Renewal Fund 74,033.06

**Total Trust Funds** \$ 244,748.78

1050 - General Fund 922,874.45

1100 - Revolving Fund 137,945.69

**Total Checking/Savings** 1,305,568.92

**Accounts Receivable**

1301 - Accounts Receivable 1,570.00

1320 - Quarterly Assessments Receivable 591,291.00

**Total Accounts Receivable** 592,861.00

**Other Current Assets**

1010 - Petty Cash 500.00

1200 - LAIF 1,316,358.56

1303 - Bradbury SOD Act Assessments Receivable 213,957.00

1304 - Lauro Dam SOD Assessment Receivable 32,837.16

1400 - Prepaid Insurance 10,656.72

1900 - Deposits 236,109.85

**Total Other Current Assets** 1,810,419.29

**Total Current Assets** 3,708,849.21

**Fixed Assets**

1500 - Vehicles 468,728.36

1505 - Office Furniture & Equipment 236,471.87

1510 - Mobile Offices 97,803.34

1515 - Field Equipment 523,998.79

1525 - Paving 38,351.00

1550 - Accumulated Depreciation (1,218,759.00)

**Total Fixed Assets** 146,594.36

**Other Assets**

1910 - Long Term Bradbury SOD Act Assessments Receivable 4,057,372.07

1920 - Long Term Lauro SOD Act Assessments Receivable 739,312.90

1922 - Deferred Outflow of Resources (GASB 68) 497,209.00

1923 - Deferred Outflow (GASB 75) 870,598.00

**Total Other Assets** 6,164,491.97

**TOTAL ASSETS** \$ **10,019,935.54**

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

**January 31, 2022**

**LIABILITIES & NET POSITION**

**Liabilities**

**Current Liabilities**

**Accounts Payable**

2200 · Accounts Payable \$ 6,370.03

**Total Accounts Payable** 6,370.03

**Other Current Liabilities**

2505 · Accrued Wages 20,168.77

2550 · Vacation/Sick 202,762.73

2561 · Bradbury Dam SOD Act 213,956.99

2563 · Lauro Dam SOD Act 32,837.16

2565 · Accrued Interest SOD Act 46,692.00

2590 · Deferred Revenue 244,748.78

**Total Other Current Liabilities** 761,166.43

**Total Current Liabilities** 767,536.46

**Long Term Liabilities**

2602 · Long Term SOD Act Liability-Bradbury 4,057,362.07

2603 · Long Term SOD Act Liability - Lauro 739,312.90

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** 13,355,921.97

**Total Liabilities** 14,123,458.43

**Net Position**

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

3901 · Retained Net Assets (521,650.49)

**Net Surplus / Deficit** 1,714,707.65

**Total Net Position** (4,103,522.89)

**TOTAL LIABILITIES & NET POSITION** **\$ 10,019,935.54**

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures (Unaudited)**  
 Budget vs. Actuals July 2021 - June 2022

	Fisheries				Operations				TOTAL			
	Jul '21 - Jan 22	Budget	\$ Over (Under) Budget	% of Budget	Jul '21 - Jan 22	Budget	\$ Over (Under) Budget	% of Budget	Jul '21 - Jan 22	Budget	\$ Over (Under) Budget	% of Budget
<b>Revenue</b>												
<b>3000 REVENUE</b>												
3001 · O&M Budget (Qtrly Assessments)	\$ 772,576.30	\$ 1,073,752.00	\$ (301,175.70)	71.95%	\$ 2,949,260.00	\$ 3,865,221.00	\$ (915,961.00)	76.3%	\$ 3,721,836.30	\$ 4,938,973.00	\$ (1,217,136.70)	75.36%
3006 · Warren Act	43,086.00	43,086.00	0.00	100.0%	0.00				43,086.00	43,086.00	0.00	100.0%
3007 · Renewal Fund	120,996.46	220,175.00	-99,178.54	54.96%	0.00				120,996.46	220,175.00	-99,178.54	54.96%
3009 · EPFP Loan (Qtrly Assessments)	0.00				38,620.56	0.00	38,620.56	100.0%	38,620.56	0.00	38,620.56	100.0%
3010 · Interest Income	0.00				2,278.99	0.00	2,278.99	100.0%	2,278.99	0.00	2,278.99	100.0%
3014 · Non-Member Agency Revenue	7,300.00	0.00	7,300.00	100.0%	0.00				7,300.00	0.00	7,300.00	100.0%
3021 · Grant Income	0.00				510.00	0.00	510.00	100.0%	510.00	0.00	510.00	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%
<b>Total 3000 REVENUE</b>	<b>\$ 943,958.76</b>	<b>\$ 1,427,013.00</b>	<b>\$ (483,054.24)</b>	<b>66.15%</b>	<b>\$ 2,990,669.55</b>	<b>\$ 3,865,221.00</b>	<b>\$ (874,551.45)</b>	<b>77.37%</b>	<b>\$ 3,934,628.31</b>	<b>\$ 5,292,234.00</b>	<b>\$ (1,357,605.69)</b>	<b>74.35%</b>
<b>Expense</b>												
3100 · LABOR - OPERATIONS	\$ -	\$ -	\$ -	0.0%	\$ 499,718.19	\$ 1,023,887.00	\$ (524,168.81)	48.81%	\$ 499,718.19	\$ 1,023,887.00	\$ (524,168.81)	48.81%
<b>3200 VEH &amp; EQUIPMENT</b>												
3201 · Vehicle/Equip Mtce	0.00				18,898.44	35,000.00	-16,101.56	54.0%	18,898.44	35,000.00	-16,101.56	54.0%
3202 · Fixed Capital	0.00				1,761.73	65,000.00	-63,238.27	2.71%	1,761.73	65,000.00	-63,238.27	2.71%
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				1,266.88	10,000.00	-8,733.12	12.67%	1,266.88	10,000.00	-8,733.12	12.67%
<b>Total 3200 VEH &amp; EQUIPMENT</b>	<b>0.00</b>				<b>21,927.05</b>	<b>115,000.00</b>	<b>-93,072.95</b>	<b>19.07%</b>	<b>21,927.05</b>	<b>115,000.00</b>	<b>-93,072.95</b>	<b>19.07%</b>
<b>3300 · CONTRACT LABOR</b>												
3301 · Conduit, Meter, Valve & Misc	0.00				6,650.00	20,000.00	-13,350.00	33.25%	6,650.00	20,000.00	-13,350.00	33.25%
3302 · Buildings & Roads	0.00				25,738.64	20,000.00	5,738.64	128.69%	25,738.64	20,000.00	5,738.64	128.69%
3303 · Reservoirs	0.00				30,895.37	60,000.00	-29,104.63	51.49%	30,895.37	60,000.00	-29,104.63	51.49%
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%
<b>Total 3300 · CONTRACT LABOR</b>	<b>0.00</b>				<b>63,284.01</b>	<b>130,000.00</b>	<b>-66,715.99</b>	<b>48.68%</b>	<b>63,284.01</b>	<b>130,000.00</b>	<b>-66,715.99</b>	<b>48.68%</b>
<b>3400 · MATERIALS &amp; SUPPLIES</b>												
3401 · Conduit, Meter, Valve & Misc	0.00				63,045.13	65,000.00	-1,954.87	96.99%	63,045.13	65,000.00	-1,954.87	96.99%
3402 · Buildings & Roads	0.00				11,649.75	15,000.00	-3,350.25	77.67%	11,649.75	15,000.00	-3,350.25	77.67%
3403 · Reservoirs	0.00				2,907.36	5,000.00	-2,092.64	58.15%	2,907.36	5,000.00	-2,092.64	58.15%
<b>Total 3400 · MATERIALS &amp; SUPPLIES</b>	<b>0.00</b>				<b>77,602.24</b>	<b>85,000.00</b>	<b>-7,397.76</b>	<b>91.3%</b>	<b>77,602.24</b>	<b>85,000.00</b>	<b>-7,397.76</b>	<b>91.3%</b>
<b>3500 · OTHER EXPENSES</b>												
3501 · Utilities	0.00				3,762.27	7,000.00	-3,237.73	53.75%	3,762.27	7,000.00	-3,237.73	53.75%
3502 · Uniforms	0.00				665.00	5,750.00	-5,085.00	11.57%	665.00	5,750.00	-5,085.00	11.57%
3503 · Communications	0.00				6,124.24	15,800.00	-9,675.76	38.76%	6,124.24	15,800.00	-9,675.76	38.76%
3504 · USA & Other Services	0.00				2,993.34	4,750.00	-1,756.66	63.02%	2,993.34	4,750.00	-1,756.66	63.02%
3505 · Miscellaneous	0.00				6,918.81	12,000.00	-5,081.19	57.66%	6,918.81	12,000.00	-5,081.19	57.66%
3506 · Training	0.00				60.00	3,000.00	-2,940.00	2.0%	60.00	3,000.00	-2,940.00	2.0%
<b>Total 3500 · OTHER EXPENSES</b>	<b>0.00</b>				<b>20,523.66</b>	<b>48,300.00</b>	<b>-27,776.34</b>	<b>42.49%</b>	<b>20,523.66</b>	<b>48,300.00</b>	<b>-27,776.34</b>	<b>42.49%</b>
4100 · LABOR - FISHERIES	399,362.60	755,458.00	-356,095.40	52.86%	0.00				399,362.60	755,458.00	-356,095.40	52.86%
<b>4200 · VEHICLES &amp; EQUIP - FISHERIES</b>												
4270 · Vehicle/Equip Mtce	7,339.16	30,000.00	-22,660.84	24.46%	0.00				7,339.16	30,000.00	-22,660.84	24.46%

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures (Unaudited)**  
 Budget vs. Actuals July 2021 - June 2022

	Fisheries				Operations				TOTAL			
	Jul '21 - Jan 22	Budget	\$ Over (Under) Budget	% of Budget	Jul '21 - Jan 22	Budget	\$ Over (Under) Budget	% of Budget	Jul '21 - Jan 22	Budget	\$ Over (Under) Budget	% of Budget
4280 · Fixed Capital	6,392.57	50,000.00	-43,607.43	12.79%	0.00				6,392.57	50,000.00	-43,607.43	12.79%
4290 · Miscellaneous	7.53	2,500.00	-2,492.47	0.3%	0.00				7.53	2,500.00	-2,492.47	0.3%
<b>Total 4200 · VEHICLES &amp; EQUIP - FISHERIES</b>	<b>13,739.26</b>	<b>82,500.00</b>	<b>-68,760.74</b>	<b>16.65%</b>	<b>0.00</b>				<b>13,739.26</b>	<b>82,500.00</b>	<b>-68,760.74</b>	<b>16.65%</b>
<b>4220 · CONTRACT LABOR - FISHERIES</b>												
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	6,075.54	16,100.00	-10,024.46	37.74%	0.00				6,075.54	16,100.00	-10,024.46	37.74%
<b>Total 4220 · CONTRACT LABOR - FISHERIES</b>	<b>6,075.54</b>	<b>19,100.00</b>	<b>-13,024.46</b>	<b>31.81%</b>	<b>0.00</b>				<b>6,075.54</b>	<b>19,100.00</b>	<b>-13,024.46</b>	<b>31.81%</b>
<b>4300 · MATERIALS/SUPPLIES - FISHERIES</b>												
4390 · Miscellaneous	2,054.30	7,000.00	-4,945.70	29.35%	0.00				2,054.30	7,000.00	-4,945.70	29.35%
<b>Total 4300 · MATERIALS/SUPPLIES - FISHERIES</b>	<b>2,054.30</b>	<b>7,000.00</b>	<b>-4,945.70</b>	<b>29.35%</b>	<b>0.00</b>				<b>2,054.30</b>	<b>7,000.00</b>	<b>-4,945.70</b>	<b>29.35%</b>
<b>4500 · OTHER EXPENSES - FISHERIES</b>												
4502 · Uniforms	3,735.31	3,500.00	235.31	106.72%	0.00				3,735.31	3,500.00	235.31	106.72%
<b>Total 4500 · OTHER EXPENSES - FISHERIES</b>	<b>3,735.31</b>	<b>3,500.00</b>	<b>235.31</b>	<b>106.72%</b>	<b>0.00</b>				<b>3,735.31</b>	<b>3,500.00</b>	<b>235.31</b>	<b>106.72%</b>
<b>4999 · GENERAL &amp; ADMINISTRATIVE</b>												
5000 · Director Fees	0.00				4,758.00	12,400.00	-7,642.00	38.37%	4,758.00	12,400.00	-7,642.00	38.37%
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				30,118.70	75,000.00	-44,881.30	40.16%	30,118.70	75,000.00	-44,881.30	40.16%
5101 · Audit	0.00				7,204.61	22,750.00	-15,545.39	31.67%	7,204.61	22,750.00	-15,545.39	31.67%
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				31,781.51	33,326.00	-1,544.49	95.37%	31,781.51	33,326.00	-1,544.49	95.37%
5310 · Postage/Office Exp	0.00				3,134.23	6,000.00	-2,865.77	52.24%	3,134.23	6,000.00	-2,865.77	52.24%
5311 · Office Equip/Leases	0.00				4,762.12	13,440.00	-8,677.88	35.43%	4,762.12	13,440.00	-8,677.88	35.43%
5312 · Misc Admin Expenses	0.00				9,114.38	14,000.00	-4,885.62	65.1%	9,114.38	14,000.00	-4,885.62	65.1%
5313 · Communications	0.00				5,931.70	6,500.00	-568.30	91.26%	5,931.70	6,500.00	-568.30	91.26%
5314 · Utilities	0.00				4,364.25	9,737.00	-5,372.75	44.82%	4,364.25	9,737.00	-5,372.75	44.82%
5315 · Membership Dues	0.00				10,843.75	9,700.00	1,143.75	111.79%	10,843.75	9,700.00	1,143.75	111.79%
5316 · Admin Fixed Assets	0.00				510.58	5,000.00	-4,489.42	10.21%	510.58	5,000.00	-4,489.42	10.21%
5318 · Computer Consultant	0.00				14,820.39	16,500.00	-1,679.61	89.82%	14,820.39	16,500.00	-1,679.61	89.82%
5325 · Emp Training/Subscriptions	0.00				164.53	2,000.00	-1,835.47	8.23%	164.53	2,000.00	-1,835.47	8.23%
5330 · Admin Travel/Conferences	0.00				0.00	2,000.00	-2,000.00	0.0%	0.00	2,000.00	-2,000.00	0.0%
5331 · Public Information	0.00				1,414.38	3,500.00	-2,085.62	40.41%	1,414.38	3,500.00	-2,085.62	40.41%
<b>Total 4999 · GENERAL &amp; ADMINISTRATIVE</b>	<b>0.00</b>				<b>128,923.13</b>	<b>237,453.00</b>	<b>-108,529.87</b>	<b>54.29%</b>	<b>128,923.13</b>	<b>237,453.00</b>	<b>-108,529.87</b>	<b>54.29%</b>
<b>5299 · ADMIN LABOR</b>	<b>0.00</b>				<b>342,561.71</b>	<b>620,531.00</b>	<b>-277,969.29</b>	<b>55.21%</b>	<b>342,561.71</b>	<b>620,531.00</b>	<b>-277,969.29</b>	<b>55.21%</b>
<b>5400 · GENERAL &amp; ADMIN - FISHERIES</b>												
5407 · Legal - FD	4,013.50	25,000.00	-20,986.50	16.05%	0.00				4,013.50	25,000.00	-20,986.50	16.05%
5410 · Postage / Office Supplies	1,837.06	4,000.00	-2,162.94	45.93%	0.00				1,837.06	4,000.00	-2,162.94	45.93%
5411 · Office Equipment / Leases	2,564.18	8,533.00	-5,968.82	30.05%	0.00				2,564.18	8,533.00	-5,968.82	30.05%
5412 · Misc. Admin Expense	3,368.03	7,500.00	-4,131.97	44.91%	0.00				3,368.03	7,500.00	-4,131.97	44.91%
5413 · Communications	3,193.98	4,455.00	-1,261.02	71.69%	0.00				3,193.98	4,455.00	-1,261.02	71.69%
5414 · Utilities	2,352.03	5,243.00	-2,890.97	44.86%	0.00				2,352.03	5,243.00	-2,890.97	44.86%
5415 · Membership Dues	6,584.25	6,200.00	384.25	106.2%	0.00				6,584.25	6,200.00	384.25	106.2%
5416 · Admin Fixed Assets	2,167.01	3,000.00	-832.99	72.23%	0.00				2,167.01	3,000.00	-832.99	72.23%
5418 · Computer Consultant	7,980.21	9,000.00	-1,019.79	88.67%	0.00				7,980.21	9,000.00	-1,019.79	88.67%
5425 · Employee Education/Subscription	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures (Unaudited)**  
 Budget vs. Actuals July 2021 - June 2022

	Fisheries				Operations				TOTAL			
	Jul '21 - Jan 22	Budget	\$ Over (Under) Budget	% of Budget	Jul '21 - Jan 22	Budget	\$ Over (Under) Budget	% of Budget	Jul '21 - Jan 22	Budget	\$ Over (Under) Budget	% of Budget
5426 · Director Fees	2,562.00	6,700.00	-4,138.00	38.24%	0.00				2,562.00	6,700.00	-4,138.00	38.24%
5427 · Director Mileage	0.00	300.00	-300.00	0.0%	0.00				0.00	300.00	-300.00	0.0%
5430 · Travel	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%
5431 · Public Information	761.59	1,500.00	-738.41	50.77%	0.00				761.59	1,500.00	-738.41	50.77%
5441 · Audit	3,879.39	12,250.00	-8,370.61	31.67%	0.00				3,879.39	12,250.00	-8,370.61	31.67%
5443 · Liab & Property Ins	17,113.12	17,745.00	-631.88	96.44%	0.00				17,113.12	17,745.00	-631.88	96.44%
<b>Total 5400 · GENERAL &amp; ADMIN - FISHERIES</b>	<b>58,376.35</b>	<b>116,426.00</b>	<b>-58,049.65</b>	<b>50.14%</b>	<b>0.00</b>				<b>58,376.35</b>	<b>116,426.00</b>	<b>-58,049.65</b>	<b>50.14%</b>
5499 · ADMIN LABOR-FISHERIES	137,156.88	258,029.00	-120,872.12	53.16%	0.00				137,156.88	258,029.00	-120,872.12	53.16%
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%
<b>6000 · SPECIAL PROJECTS</b>												
6062 · SCADA	0.00				18,471.86	150,000.00	-131,528.14	12.32%	18,471.86	150,000.00	-131,528.14	12.32%
6090 · COMB Office Building	0.00				131,471.41	216,000.00	-84,528.59	60.87%	131,471.41	216,000.00	-84,528.59	60.87%
6096 · SCC Structure Rehabilitation	0.00				125,248.74	390,000.00	-264,751.26	32.12%	125,248.74	390,000.00	-264,751.26	32.12%
6097 · GIS and Mapping	0.00				4,700.00	10,000.00	-5,300.00	47.0%	4,700.00	10,000.00	-5,300.00	47.0%
6100 · Watershed Sanitary Survey	0.00				16,829.62	12,050.00	4,779.62	139.67%	16,829.62	12,050.00	4,779.62	139.67%
6105 · ROW Management Program	0.00				18,925.00	20,000.00	-1,075.00	94.63%	18,925.00	20,000.00	-1,075.00	94.63%
6120 · Lake Cachuma Secured Pipeline	0.00				24,901.00	352,000.00	-327,099.00	7.07%	24,901.00	352,000.00	-327,099.00	7.07%
6136 · SCC Isolation Valve Evaluation	0.00				38,772.59	400,000.00	-361,227.41	9.69%	38,772.59	400,000.00	-361,227.41	9.69%
6138 · Cachuma Watershed Mgmt Study	0.00				2,234.01	50,000.00	-47,765.99	4.47%	2,234.01	50,000.00	-47,765.99	4.47%
<b>Total 6000 · SPECIAL PROJECTS</b>	<b>0.00</b>				<b>381,554.23</b>	<b>1,600,050.00</b>	<b>-1,218,495.77</b>	<b>23.85%</b>	<b>381,554.23</b>	<b>1,600,050.00</b>	<b>-1,218,495.77</b>	<b>23.85%</b>
<b>6200 · FISHERIES ACTIVITIES</b>												
6201 · FMP Implementation	1,359.75	35,000.00	-33,640.25	3.89%	0.00				1,359.75	35,000.00	-33,640.25	3.89%
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	44,475.00	105,000.00	-60,525.00	42.36%	0.00				44,475.00	105,000.00	-60,525.00	42.36%
6207 · Oak Tree Restoration Program	14,525.98	25,000.00	-10,474.02	58.1%	0.00				14,525.98	25,000.00	-10,474.02	58.1%
<b>Total 6200 · FISHERIES ACTIVITIES</b>	<b>63,210.73</b>	<b>175,000.00</b>	<b>-111,789.27</b>	<b>36.12%</b>	<b>0.00</b>				<b>63,210.73</b>	<b>175,000.00</b>	<b>-111,789.27</b>	<b>36.12%</b>
<b>6300 · HABITAT ENHANCEMENT</b>												
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%
<b>Total 6300 · HABITAT ENHANCEMENT</b>	<b>0.00</b>	<b>10,000.00</b>	<b>-10,000.00</b>	<b>0.0%</b>	<b>0.00</b>				<b>0.00</b>	<b>10,000.00</b>	<b>-10,000.00</b>	<b>0.0%</b>
7007 · INTEREST EXPENSE-EPFP	0.00				115.47	0.00	115.47	100.0%	115.47	0.00	115.47	100.0%
<b>Total Expense</b>	<b>\$ 683,710.97</b>	<b>\$ 1,427,013.00</b>	<b>\$ (743,302.03)</b>	<b>47.91%</b>	<b>\$ 1,536,209.69</b>	<b>\$ 3,865,221.00</b>	<b>\$ (2,329,011.31)</b>	<b>39.74%</b>	<b>\$ 2,219,920.66</b>	<b>\$ 5,292,234.00</b>	<b>\$ (3,072,313.34)</b>	<b>41.95%</b>
<b>Net Surplus / Deficit</b>	<b>\$ 260,247.79</b>	<b>\$ -</b>	<b>\$ 260,247.79</b>	<b>100.0%</b>	<b>\$ 1,454,459.86</b>	<b>\$ -</b>	<b>\$ 1,454,459.86</b>	<b>100.0%</b>	<b>\$ 1,714,707.65</b>	<b>\$ -</b>	<b>\$ 1,714,707.65</b>	<b>100.0%</b>

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	February 28, 2022
Submitted by:	Janet Gingras

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**SUBJECT:** Investment Report – January 31, 2022

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### **RECOMMENDATION**

The Board of Directors receive and file the Cachuma Operation & Maintenance Board Investment Report as of January 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 January 2022, is reported at 0.234%.

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

Table 1			
Unrestricted Reserve Funds			
Local Agency Investment Fund (LAIF)			
Previous Balance	12/31/2021	\$	1,315,092.08
(+) Deposits/Credits			1,266.48
(-) Checks/Withdrawals			-
Statement Balance	1/31/2022	\$	1,316,358.56

#### 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	12/31/2021	\$	83,218.35
(+) Deposits/Credits			-
(-) Checks/Withdrawals			(9,185.29)
Statement Balance	1/31/2022	\$	74,033.06
American Riviera Bank Warren Act Trust Fund			
Previous Balance	12/31/2021	\$	96,626.72
(+) Deposits/Credits			74,089.00
(-) Checks/Withdrawals			-
Statement Balance	1/31/2022	\$	170,715.72

**STATEMENT**

The above statement of investment activity for the month of January 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.

  
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 Secretary

## Cachuma Operation &amp; Maintenance Board

## Paid Claims

As of January 31, 2022

Date	Num	Name	Memo	Amount
<b>1050 - General Fund</b>				
01/20/2022	29057	ACWA-Joint Powers Insurance Authority	Workers Compensation Program 9/1/2021 - 12/31/2021	-6,449.87
01/20/2022	29058	Agri-Turf Supplies, Inc.	Oak Tree Restoration Program - Planting Supplies	-357.71
01/20/2022	29059	American Riviera Bank - Card Service	Website Hosting, Staff Appreciation Lunch, PPE Supplies, Shipping, Subscriptions	-1,782.35
01/20/2022	29060	American Water Works Association	AWWA Member Dues 4/1/21-3/31/22	-473.00
01/20/2022	29061	Aspect Engineering Group	SCADA Upgrade - Support Services	-4,715.52
01/20/2022	29062	Association of Ca Water Agencies/JPIA	February 2022 Health Benefits Premium	-27,788.88
01/20/2022	29063	AT&T	Long Distance Service 11/28-12/27/21	-36.86
01/20/2022	29064	Coastal Copy, LP	Copier Maintenance - Kyocera Taskalfa 6052ci (Final)	-297.48
01/20/2022	29065	Core and Main, LP	South Coast Conduit Isolation Valve Project - Materials	-22,879.83
01/20/2022	29066	County of Santa--Barbara	Waste Disposal Fee (Ops)	-79.92
01/20/2022	29067	Cox Communications Santa Barbara	Business Internet January 2022	-520.82
01/20/2022	29068	Cushman Contracting Corp.	COMB Blowoff and Air/Vac Upgrade Sch F&G and Emergency Repairs	-125,248.74
01/20/2022	29069	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality Sampling	-145.00
01/20/2022	29070	Farm Supply Company	Oak Tree Restoration Program - Supplies	-1,709.37
01/20/2022	29071	Flowers & Associates, Inc.	La Mirada Isolation Valve Project - Engineering Services	-13,073.50
01/20/2022	29072	Frontier Communications	Phone Service - Board Room	-99.14
01/20/2022	29073	Guadalupe Jasso	COMB Trailer Replacement - Deck/ADA Ramp Painting	-780.00
01/20/2022	29074	HDR Engineering, Inc.	FMP Implementation, BO/FMP Compliance - Engineering Services	-1,283.80
01/20/2022	29075	Home Depot Credit Services	Supplies (Ops)	-480.52
01/20/2022	29076	Impulse Advanced Communications	Phone Service - Main Office	-1,697.66
01/20/2022	29077	J&C Services	Office Cleaning Service - Weekly 12/03/21-12/22/21	-680.00
01/20/2022	29078	LimnoTech	Lake Cachuma Water Quality Study - Materials	-391.08
01/20/2022	29079	Manzanita Nursery	Oak Tree Restoration Program - Seedlings	-1,831.90
01/20/2022	29080	MarBorg Industries	Dumping Fee (Ops)	-20.00
01/20/2022	29081	Miner's Ace Hardware	2008 Ford Explorer - Transponder Key Replacement (Ops)	-193.93
01/20/2022	29082	O'Reilly Automotive, Inc.	Supplies (Ops)	-26.08
01/20/2022	29083	PG&E	Electricity - Tecolote Tunnel & North Portal	-371.79
01/20/2022	29084	Premiere Global Services	Conference Calls December 2021	-26.62
01/20/2022	29085	Rain for Rent Santa Paula	Carpinteria Reservoir Cleaning - Submersible Pump/Generator Rental	-15,893.25
01/20/2022	29086	Rayne of Santa Barbara Inc	RO Rental - December and January	-64.50
01/20/2022	29087	SB Home Improvement Center	Supplies (Fisheries)	-41.94
01/20/2022	29088	Skid Pro Attachments	72" HD3 Brush Mower and Low Profile Dirt Bucket - Tax	-484.78
01/20/2022	29089	Smart Sheet Inc	Smartsheet 4 User License Renewal 2022	-996.00
01/20/2022	29090	Southern California Edison	Electricity - Outlying Stations (Ops)	-36.83
01/20/2022	29091	SWRCB Fees	Annual Permit Fee - Ortega Reservoir 7/1/21-6/30/22	-3,146.00
01/20/2022	29092	Turenchalk Network Services, Inc.	Network Support November 2021 (Ops & Fisheries)	-2,481.20
01/20/2022	29093	Turenchalk Network Services, Inc.	Network Support December 2021 (Ops & Fisheries)	-3,099.60
01/20/2022	29094	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee	-137.05
01/20/2022	29095	United States Geological Survey	USGS Quarterly Joint Funding Agreement 10/1/21-12/31/21	-22,565.00
01/20/2022	29096	Verizon Wireless	Cell Phones & iPads (Ops)	-753.26
01/20/2022	29097	Verizon Wireless	Wireless Modems (Ops)	-304.30
01/20/2022	29098	Verizon Wireless	SCADA USBs (Ops)	-38.01
01/20/2022	29099	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 6054ci	-378.41
01/20/2022	29100	Zac Gonzalez Landscaping & Tree Care	Landscape Maintenance December 2021	-480.00
01/20/2022	29101	Wright Express Fleet Services	December Fleet Fuel	-2,888.81
01/28/2022	29102	All Around Landscape Supply	Oak Tree Restoration Program - Supplies	-246.52
01/28/2022	29103	Atlas Performance Industries, Inc.	COMB Trailer Replacement - Contracting Services	-1,468.13
01/28/2022	29104	Cabela's LLC/Bass Pro LLC	Waders (Fisheries)	-769.81
01/28/2022	29105	Cori Hayman	Director Meeting Fees January 2022	-150.00
01/28/2022	29106	Cushman Contracting Corp.	EPFP Pumping System - Pay Req #93	-3,500.00
01/28/2022	29107	ECHO Communications	Message Service February 2022	-79.05
01/28/2022	29108	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality Sampling	-775.00
01/28/2022	29109	Famcon Pipe & Supply	South Coast Conduit Materials (Ops)	-2,805.75
01/28/2022	29110	Harrison Hardware	Oak Tree Restoration Program - Supplies (Fisheries)	-294.92
01/28/2022	29111	Instrument & Valve Services Company	Calibration of Equipment	-1,780.00
01/28/2022	29112	Kristen Sneddon	Director Meeting Fees January 2022	-450.00
01/28/2022	29113	Lauren W. Hanson	Director Meeting Fees January 2022	-300.00
01/28/2022	29114	Manzanita Nursery	Oak Tree Restoration Program - Seedlings	-1,428.80
01/28/2022	29115	MarBorg Industries	Portable Facilities - Outlying Stations	-387.92

**Cachuma Operation & Maintenance Board**

**Paid Claims**

As of January 31, 2022

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
01/28/2022	29116	Otis Elevator Company	North Portal Elevator Maintenance - Service 10/1/21-3/31/22	-2,949.54
01/28/2022	29117	Polly Holcombe	Director Meeting Fees January 2022	-384.00
01/28/2022	29118	Securitas Electronic Security	Security System Monitoring 2/1/22-4/30/22	-120.00
01/28/2022	29119	Sparkletts	Operations Safety	-79.80
01/28/2022	29120	The Gas Company	Gas - Main Office	-122.46
01/28/2022	29121	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 6054ci & 3253ci	-427.39
Total 1050 · General Fund				<u>-285,749.40</u>
<b>TOTAL</b>				<b><u>-285,749.40</u></b>

**APPROVALS**

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# CACHUMA OPERATION & MAINTENANCE BOARD

## Fisheries Committee Meeting

Thursday, February 10, 2022

10:30 am

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### AGENDA

*Chair: Director Hanson*

*Member: Director Hayman*

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter not on the agenda and within the Committee's jurisdiction*)
3. Proposed USGS Stream Gauge Expenditures and Contract Amendment (*for information and possible recommendation*)
4. Annual Monitoring Summary (AMS) (*for information*)
5. Update on Recent Fisheries Division Activities (*for information and possible recommendation*)
  - Field Observations
  - Tributary Conditions - El Jaro Creek
  - Coordination with Reclamation
6. Adjournment

#### NOTICE TO THE PUBLIC

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

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

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

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	February 28, 2022
Submitted by:	Janet Gingras

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**SUBJECT:** Resolution No. 744 – Confirmation of Local Emergency – Ratification of Governor Newsom’s Declared State of Emergency (Health and Safety)

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**RECOMMENDATION:**

The Board of Directors adopt Resolution No. 744 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).

**DISCUSSION:**

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<sup>st</sup>, 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. The COMB Board of Directors regularly meets on the fourth (4<sup>th</sup>) Monday of each calendar month. As a consequence, some of the regularly-scheduled Board meetings at which the resolutions are reviewed and considered may fall a few days outside the 30-day period. To the extent any regularly-scheduled virtual meeting of the Board of Directors falls outside the 30-day period, COMB will not conduct any virtual Committee meetings during those days outside the 30-day period. The Board's next scheduled monthly meeting is March 28, 2022, where a re-authorization resolution regarding any emergency conditions will be presented to the Board for consideration and/or adoption.

**LEGAL CONCURRENCE:**

Legal counsel has reviewed Resolution No. 744.

**LIST OF EXHIBITS:**

1. Resolution No. 744

**RESOLUTION NO. 744**

**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 FEBRUARY 28, 2022 THROUGH MARCH 28, 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 February 28, 2022, and shall be effective until the earlier of (i) March 28, 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.

**ADOPTED** by the COMB Governing Board on February 28, 2022, by the following roll call votes:

AYES:

NOES:

ABSENT:

ABSTAINED:

**APPROVED:**

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President of the Governing Board

**ATTEST:**

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Secretary of the Governing Board

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	February 28, 2022
Submitted by:	Joel Degner
Approved by:	Janet Gingras

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**SUBJECT: Resolution No. 745 - Ratification of Emergency Contracts - Ortega Reservoir Repair**

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**RECOMMENDATION:**

The Board of Directors review the staff report and associated engineering and construction costs for the emergency repair (temporary and permanent) on the effluent pipeline at Ortega Reservoir and approve and ratify:

- 1) A Professional Services Agreement with Flowers & Associates Engineers in an amount not-to-exceed \$30,000;
- 2) A Purchase Order Construction Contract with Cushman Contracting Corporation for time and materials up to \$220,000.

**SUMMARY:**

COMB was notified about an emergency condition (water leak) that appeared at the Ortega Reservoir Control Station on Saturday, February 12, 2022. Over the past week and a half, Engineering and Operations division staff have been working with Montecito Water District (MWD), the City and Carpinteria Valley Water District (CVWD) operations staff, Flowers & Associates Engineers, and Cushman Contracting Corporation to isolate and determine the best approach for repairing the cracked effluent line at the Ortega Reservoir Control Station. After several pressure tests, the effluent line was determined to have a circumferential crack near a joint at the Control Station (approximately 700' west of the Ortega Reservoir) The effluent line is a 700' - 30" - 4.75" thick concrete pipeline buried underground originating from the reservoir. It is buried approximately 10' at the Control Station location.

Cushman Contracting Corporation has completed a temporary repair to the effluent pipeline. The repair approach is challenging because in order to keep MWD in service in the Ortega Ridge area, the booster pump station that feeds the system cannot be starved. Normally, a bypass from the reservoir can be operated to feed the booster pump station. However, MWD is currently undergoing repairs to the portion of their system that would allow the use of a key intertie. Once MWD's East Valley main transmission line is repaired, MWD can utilize the intertie and COMB can shut down the effluent line to construct a permanent repair.

Consultation for the temporary repair was provided by Flowers & Associates Engineers. The permanent designs are under development during this period while MWD is repairing their main transmission line. The costs for the temporary and permanent engineering designs are estimated not-to-exceed \$30,000. The construction costs for the temporary and the permanent repair are estimated (with contingencies) based on the Cushman Contracting fee schedule. The schedule for the permanent repair is expected to occur in approximately two weeks. The engineer, contractor and staff have been working carefully to pursue the appropriate and safest repair. Reclamation has been kept informed during the entire process.

The contract in place with Cushman Contracting for the Schedule F1 – F4 AVAR/BO rehabilitation has a line item for emergency/miscellaneous repairs for \$25,000. However, the costs of the repair exceeds the \$25,000 amount. Staff initiated and executed contracts with both Cushman Contracting Corporation and Flowers & Associates Engineers for this emergency as outlined in COMB's established procurement policy. Ratification of the contracts is required by the Board of Directors. Resolution No. 745 is presented to the Board for approval and adoption.

**FISCAL IMPACTS:**

COMB operates without a reserve account or emergency funding. The current fiscal year budget contains funding for the Schedule F1–F4 AVAR/BO Rehabilitation project. A shutdown is needed to perform the Schedule F1–F4 construction work. This project is anticipated to be delayed until the Fall of 2022 due to current drought conditions impacting winter water demands. Funds from this account (6096 – SCC Rehabilitation) will be used for expenditures related to the emergency Ortega Reservoir repair project. Unexpended funds from this account will be returned to the Member Agencies after year end close and the Schedule F1-F4 project will be re-budgeted in FYE 2023.

**LEGAL CONCURRENCE:**

Resolution No. 745 and COMB's standard Purchase Order for Construction Services and Professional Services Agreement have been reviewed by General Counsel.

**LIST OF EXHIBITS:**

1. Resolution No. 745

## RESOLUTION NO. 745

### A RESOLUTION OF THE GOVERNING BOARD OF THE CACHUMA OPERATION AND MAINTENANCE BOARD RATIFYING EXPENDITURES ASSOCIATED WITH THE EMERGENCY REPAIR WORK ON THE ORTEGA RESERVOIR EFFLUENT PIPELINE

#### 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, including the Ortega Reservoir, were installed by Reclamation in the 1950s, and are critical infrastructure in operation of the Cachuma Project; and

**WHEREAS**, an unexpected water leak at the Ortega Reservoir's control building was detected on Saturday, February 12, 2022 which continued to slowly increase through Tuesday, February 15, 2022; and

**WHEREAS**, COMB engineering staff consulted with Member Agency technical staff and cooperatively performed isolation tests to determine the possible source of the leak, which was found in a 30-inch concrete effluent pipeline buried approximately ten (10) feet below grade (“Effluent Pipeline”); and

**WHEREAS**, a Professional Services Agreement (“PSA”) dated February 14, 2022 was executed with Flowers & Associates Engineers for design consultation in an amount not-to-exceed \$30,000 (“Flowers PSA”); and

**WHEREAS**, a Purchase Order Construction Contract dated February 14, 2022 was executed with Cushman Contracting Corporation in the amount up to \$220,000 to perform emergency repairs to the Ortega Reservoir effluent pipeline (“Cushman Contract”); 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 Flowers PSA and 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 Flowers PSA executed with Flowers & Associates for Emergency Repair Design and consultation to the Ortega Reservoir effluent pipeline in an amount not-to-exceed \$30,000.

3. The Governing Board hereby approves and ratifies the expenditures associated with the Cushman Contract executed with Cushman Contracting Corporation for Emergency Repairs to the Ortega Reservoir effluent pipeline in an amount up to \$220,000.

4. The Governing Board finds and determines that the work to be performed under the Flowers PSA and 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 28th day of February 2022, by the following roll call vote:

AYES:

NAYES:

ABSENT:

ABSTAIN:

**APPROVED:**

\_\_\_\_\_  
President of the Board

**ATTEST:**

\_\_\_\_\_  
Secretary of the Board

1544943.1

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	February 28, 2022
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

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**SUBJECT: Proposed U.S. Geological Survey (USGS) Stream Gauge Expenditures and Contract Amendment**

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**RECOMMENDATION:**

The Board receive a description of the proposed USGS river discharge and water quality monitoring site for the Highway 154 Bridge compliance location and approve project construction costs and the associated contract amendment with USGS.

**SUMMARY:**

The 2000 Biological Opinion (NMFS, 2000) and the State Water Resources Control Board WR-2019-0148 require monitoring river discharge (flow) of the Lower Santa Ynez River (LSYR) at the Highway 154 Bridge. That site is particularly difficult to measure discharge due to the stream morphology (a braided stream that is ponded). Currently the U.S. Geological Survey (USGS) measures water quality under that bridge and occasionally measures river discharge with fair to poor measurement ratings. Reclamation and COMB Fisheries Division take weekly discharge measurements over a mile downstream to document required target flows (Exhibit 1). WR-2019-0148 requires continuous monitoring of river discharge as close as possible to the target flow location. Between the Highway 154 Bridge and the current discharge monitoring site downstream, there are many influencing factors to streamflow (changing stream morphology and substrate, riparian corridor vegetation, alluvial groundwater extraction, etc.) that make the current location less than ideal and most likely not representative.

A site just upstream of the bridge has been identified as a potential new river discharge and water quality monitoring location (Exhibit 2). The USGS has visited the site and has determined it would be suitable for conducting continuous river discharge up to 65 cfs, would improve water quality monitoring (flowing water and not ponded), would allow for telemetry for transmitting continuous readings, and would be secure behind a locked gate (Exhibit 3). The site would be superior to the current monitoring effort in meeting and documenting compliance. The effort would also be conducted by an established and trusted third party (USGS).

Reclamation has considered and approved the proposed USGS monitoring site and has submitted in writing for COMB to work with USGS in their effort to develop the site for regulatory compliance purposes which will entail obtaining landowner permission and permits. COMB has described the project to the landowners who are in favor and are now reviewing provided documentation (i.e., maps, access route, needed infrastructure, and the USGS landowner contract document). USGS has just begun the permit process.

A comparison of the USGS estimated cost for the new site and construction costs are provided in Table 1. The estimated costs are the same since the Fisheries Committee meeting on 10/15/21. The table outlines the costs for operation and maintenance of the site for the contract period (Calendar Year) and a prorated amount considering that the project would not be operational until most likely May (or possibly July) of 2022, considering the need for landowner permission, permits, etc..

**Table 1:** Comparison of USGS costs to conduct river discharge and water quality between the current site (#11126400) and the proposed site (#11126399); the current costs for the flow gage at Hilton Creek are also included.

<b>Name:</b>	<b>Hwy 154</b>	<b>Hwy 154-upstream</b>	<b>Annual Cost</b>	<b>Hwy 154-upstream</b>	<b>Hilton Creek-LRP</b>
<b>Gage #:</b>	11126400	11126399	<b>Increase</b>	11126399	11125605
	<b>WY2022</b>	<b>WY2022-New</b>		<b>WY2022-New</b>	<b>WY2022</b>
<b>Items</b>	<i>(Contracted)</i>	<i>(Annual)</i>		<i>(5/1/22-onward)</i>	<i>(Contracted Example)</i>
DO	\$2,910	\$2,910	\$0	\$1,210	\$0
SC + Temp	\$21,620	\$11,730	<b>-\$9,890</b>	\$4,890	\$11,730
Discharge (Q)	\$0	\$15,800	\$15,800	\$6,580	\$15,800
<b>Subtotal:</b>	<b>\$24,530</b>	<b>\$30,440</b>	<b>\$5,910</b>	<b>\$12,680</b>	<b>\$27,530</b>
Construction SW (Q)		\$19,730		\$19,730	
Construction QW (WQ)		\$10,980		\$10,980	
<b>Subtotal:</b>		<b>\$30,710</b>		<b>\$30,710</b>	
<b>TOTAL:</b>		<b>\$61,150</b>		<b>\$43,390</b>	

The new river discharge site will meet WR-2019-0148 requirements, allow for more accurate monitoring of target flow releases from Lake Cachuma, and improve water quality monitoring.

**FINANCIAL IMPACT:**

The construction costs for the proposed new site total \$30,710 and the annual contract with USGS would increase by \$5,910. There are funds contained in the current fiscal year budget for the proposed project costs and contract amendment increase.

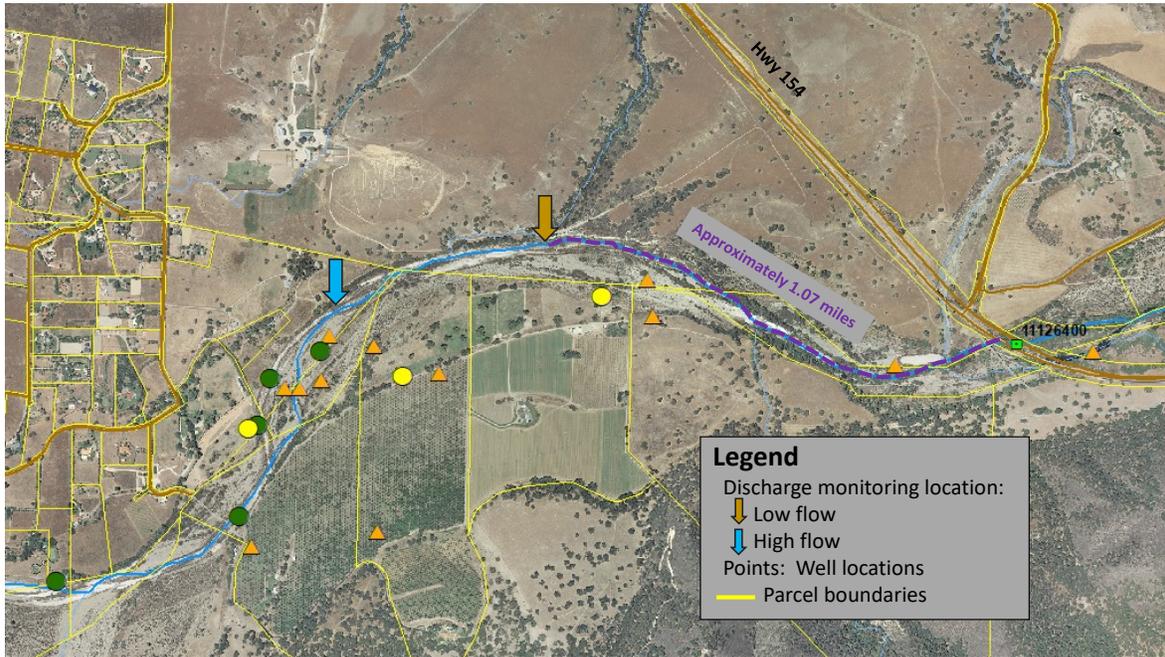
**LEGAL CONCURRENCE:**

Legal Counsel will review any modification of the USGS-COMB contract if needed.

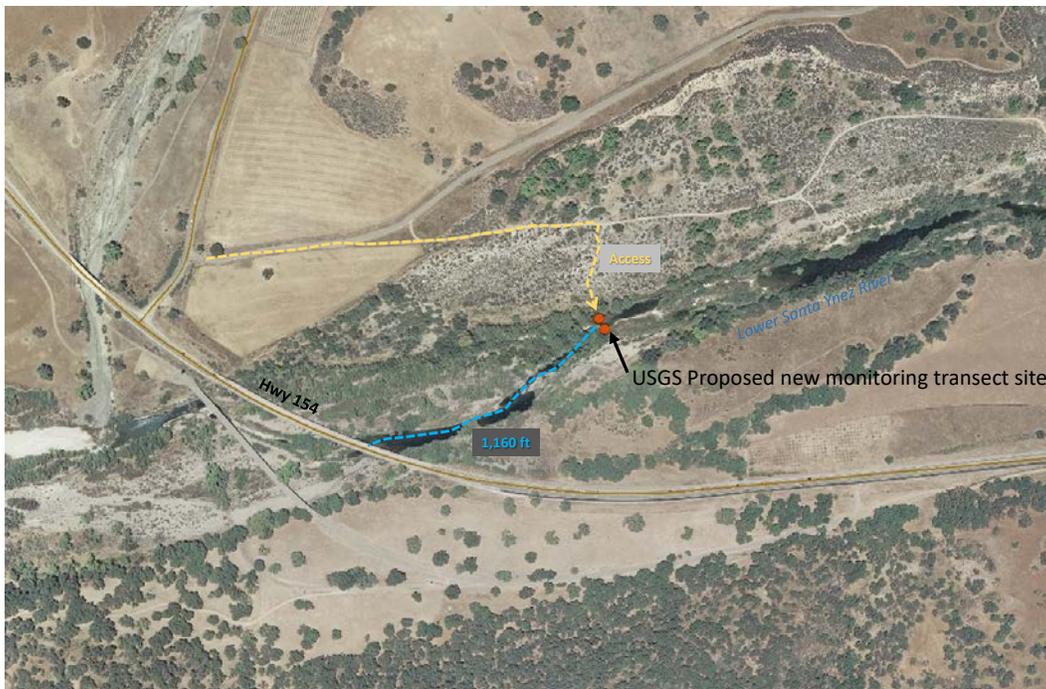
**ENVIRONMENTAL COMPLIANCE:**

USGS will obtain the required permits for the proposed project.

**LIST OF EXHIBITS:**



**Exhibit 1:** Current Reclamation and COMB-FD river discharge monitoring site.



**Exhibit 2:** Location of the current and proposed USGS monitoring site for the Highway 154 Bridge.



**Components:**

1. Approximately a 3 ft square concrete pad
2. Box to hold all instruments and batteries; leg height can be at eye level or down low
3. Telemetry antenna
4. Solar panel
5. Jacuzzi hose holding the instrument cables
6. Small staff gauge (ruler) in the stream or on the bank
7. Instruments in the stream

**Exhibit 3:** Proposed USGS gauging station components for the Highway 154 Bridge.



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.”*

February 28, 2022

**General Manager Report**

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

Administration

- **Cyber Security Protocols**

In light of recent military action in Europe, and in accordance with the COMB Cybersecurity Response Plan, COMB has reviewed its IT cybersecurity protocols with its external IT consultant. COMB staff will maintain a heightened awareness with respect to any suspicious activity or unusual behavior in operational technology or information technology systems and respond accordingly.

Meetings

- **Integrated Regional Water Management Plan (IRWMP) Meeting**

The meeting of the Santa Barbara County IRWMP participating partners is scheduled for Friday, February 25, 2022. The agenda items for Round 2 funding include review and comments on the Draft Project Solicitation Process (PSP), Round 2 funding project solicitation forms which are due March 9<sup>th</sup>, the formation of a Subcommittee for Round 2 project review, and the scheduling of a project workshop meeting. Updated information will be provided verbally to the Directors during the Board meeting.

- **Santa Barbara County Operational Area Emergency Managers Meeting**

On January 26, 2021, COMB staff participated in the Santa Barbara County Operational Area (OA) Emergency Managers Committee meeting. The OA partners received a presentation from Leighton Jones, Director of Emergency Response with Direct Relief regarding considerations specific to the LGBTQ+ community in preparing and delivering emergency response plans. The OA partners also received a presentation from Elisa Pardo, Program Manager with CommUnify regarding 2-1-1 information and referrals for the Disability, Access and Functional Needs (DAFN) Community during Public Safety Power Shutoff events. The next meeting is scheduled for March 2, 2022.

Operations

- **Ortega Reservoir Emergency Repair**

Operations staff responded immediately and cautiously to the Ortega Reservoir pipeline emergency condition and provided the COMB General Manager and Member Agency technical staff ongoing critical updates and coordinated plans to resolve the situation as soon as possible. Several conference calls were conducted to discuss operational roles among the group along with COMB personnel in attendance at the site throughout the night until the pipeline was taken off line. COMB engineering staff researched original USBR drawings and photographs to confirm pipeline material and configurations. Commendation is given to Mr. Degner's leadership and his team's effort in coordinating Member Agency technical staff and external consultants to address a challenging problem and collaborate to find an appropriate solution.

Respectfully Submitted,

*Janet Gingras*  
General Manager

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# CACHUMA OPERATION AND MAINTENANCE BOARD

## MEMORANDUM

**DATE:** February 28, 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.

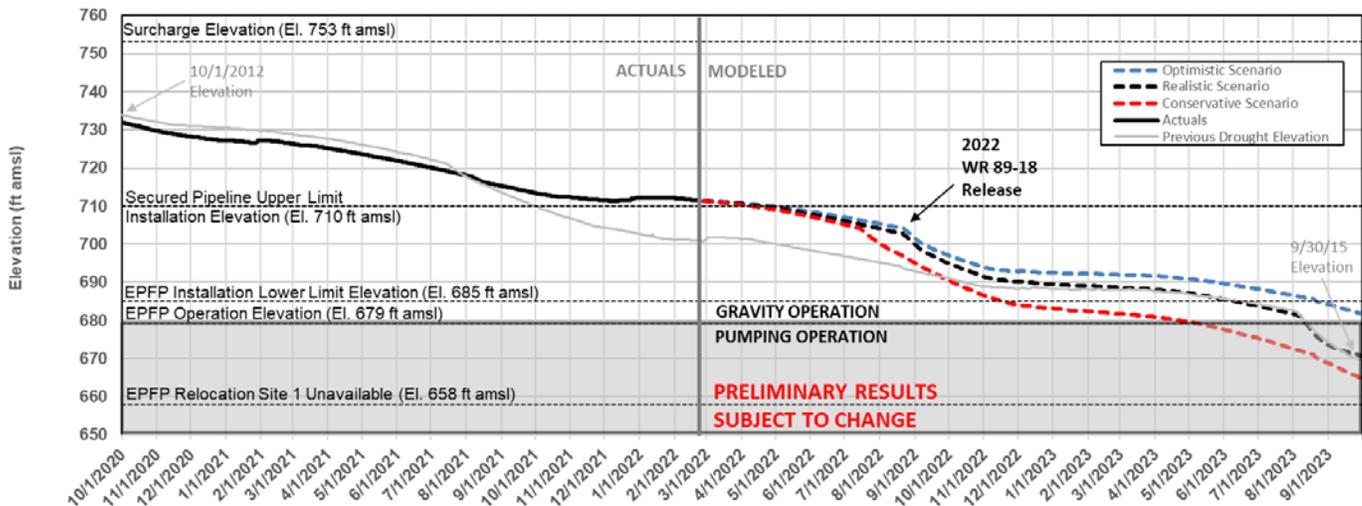
### CLIMATE CONDITIONS

Only 0.09" of rain occurred in January and February (through 2/23/22). January and February are typically the wettest months. With the dry weather, the normal rainfall to date has been reduced to 77 percent according to Santa Barbara County (It was previously 165 percent of normal in December 2021). The U.S. Drought Monitor classified Santa Barbara County as in severe drought prior to the December rains and continues to classify the County as in moderate drought following the rainfall in December. However, only 2,067 acre-feet of inflow into Lake Cachuma has occurred thus far in Water Year 2021-22 through January 2022 and all of the inflow has been credited to the Above Narrows and Below Narrows accounts. The inflow to date in Water Year 2022 has not provided any improvement in the available supplies from the Cachuma Project to the Cachuma Member Units. Water Year 2022 is on target to be a critically dry year (less than than 4,550 acre-feet) unless significant rainfall occurs in the remainder of the water year.

### LAKE ELEVATION PROJECTION

Lake Cachuma is currently at 47.1% capacity (711.43' in elevation and 90,821 acre-feet in storage as of 2/23/22). Figure 1 provides the lake elevation projection if dry conditions continue for the remainder of the water year and for water year 2022-23.

Parameter	Optimistic	Realistic	Conservative
SCC Exports	80% Forecast	Forecast	120% of Forecast
CCWA Inflow	120% Forecast	Forecast	80% of Forecast
WR 89-18 Release (2022)	12,000 AF	12,000 AF	17,000 AF
WR 89-18 Release (2023)	5,000 AF	8,000 AF	5,000 AF



The lake elevation is projected to fall below the upper limit for the Secured Pipeline (710') installation in mid-April 2022. In the conservative scenario, the Emergency Pumping Facility may need to be installed as early as October 2022. In the realistic scenario, it may be possible to postpone the installation until after the winter of water year 2022-23.

## **INFRASTRUCTURE IMPROVEMENT PROJECTS**

Table 1 provides a summary of the status of Fiscal Year 2021-22 projects.

**Table 1. Fiscal Year 2021-2022 Infrastructure Improvement Projects**

Infrastructure Improvement Projects	Status / Phase	Complexity / Challenges	Estimated Completion Date
<b>Infrastructure Improvement Projects</b>			
SCADA System	COMB entered into a contract with Aspect Engineering to replace the six remaining legacy PLCs. PLCs 2,3,4,5 and 6 have been replaced. The existing Boundary insertion meter is incompatible with the hardware to upgrade the PLC 9. COMB is evaluating options in replacing the insertion meter to allow the PLC 9 upgrade.	COMB SCADA system was installed in 2004 and existing hardware is obsolete and in need of replacement. PLC replacements will require coordination with COMB's Member Agencies.	PLC upgrades are planned to be completed by 2022.
COMB Building and Ground Repair	New fisheries and admin modular offices have been installed by API. COMB operations staff has re-constructed the walkway, ramp, and stairs between the offices. Walkway and ramp have been painted and floor finished. API is currently constructing the Reception Building which should be completed in spring 2022.	COMB modular offices will be replaced in-kind to limit complexity and challenges of construction.	Admin and Fisheries building completed. Reception building in progress planned to be installed in Spring/Summer 2022.
SCC Line Valves for Shutdown	Contractor set up traffic control k-rails and fencing and began excavation of the pipeline for pouring of concrete support blocks prior to the installation of the line stops and bypass for the installation of the line valve.	Additional line valve(s) are needed in Carpinteria to facilitate shutdown work. A Cooperative Agreement between CWWD and COMB has been approved by COMB and CWWD to facilitate the work.	Early April 2022
SCC Structure Rehabilitation : Lower Reach Laterals	CWWD has awarded the contract for the work and the contractor is in preparation for construction. COVID/supply chain issues may impact the original project schedule.	In order to facilitate shutdowns on the Lower Reach of the SCC, lateral valves need replacement. COMB is collaborating with CVWD on this project.	Construction will depend on collaboration with CWWD and likely to commence in Feb/Mar 2022 and finish in April/May 2022.
SCC Structure Rehabilitation : AVAR/BO Valves	The Board approved the contract to rehabilitate six structures including the two remaining subgrade air vents on the SCC. Preparation work to replace flat tops and manholes was completed in January. The shutdown is dependent on the completion of the La Mirada line valve and rehabilitation of 7 laterals by CVWD as part of the COMB/CWWD Cooperative Agreement.	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.	Construction will be delayed until the Fall/Early Winter of 2022 due to delays in dependent projects and drought conditions impacting spring-time water demands.
<b>Special Projects</b>			
Emergency Pumping Facility - Secured Pipeline Project	For the existing EPPF system - key components of the barge are currently being stored under contract and 3600 feet of pipeline are stored at the lake shore at Lake Cachuma. Reclamation completed the NEPA review and COMB is in the process of acquiring the necessary permits from USACE, CDFW, and RWQCB. Engineering contractor is in process of preparing the bid documents.	The lake elevation is projected to remain above 685' until the Fall 2022. Installation of the EPPF is needed when the elevation is projected to fall below 685'. The Secured Pipeline Project could be installed in the Summer of 2022 if dry conditions continue.	Construction could occur in Summer of 2022 depending on lake elevations.
Watershed Sanitary Survey Update	Geosyntec completed the final survey report and submitted it to the Division of Drinking Water on October 1, 2021.	The update is a collaborative effort with COMB's member agencies, Santa Ynez, and the City of Lompoc.	Completed
Lake Cachuma Water Quality and Sediment Management Study	The Study was completed in August 2020. Phase 2 recommendations planned for this year include the Secured Pipeline Project (see above), phosphorous/TOC source study, and bathymetric survey. The 2021 bathymetric survey has been completed by the Santa Barbara County Water Agency. COMB staff plans to release the RFP for the Phase 2 phosphorous/TOC source study in February.	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 2021/2022.

## CACHUMA OPERATION AND MAINTENANCE BOARD

**DATE:** February 28, 2022  
**TO:** Janet Gingras, General Manager  
**FROM:** Shane King, Operations Supervisor  
**RE:** **MONTHLY REPORT OF OPERATIONS – January 2022**

The total flow from Lake Cachuma into the Tecolote Tunnel for January was 748.3 acre-feet, for an average daily flow of 24.13 acre-feet. Lake elevation was 712.23 feet at the beginning of January and 712.10 feet at the end of January. Lake storage decreased by 244 acre-feet. There was 413.6 acre-feet of inflow from CCWA into Cachuma Project facilities this month. The City of Santa Barbara wheeled 101.31 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Emergency Backup System was utilized and delivered 80.1 acre-feet of water to Hilton Creek for the month of January.

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

Operations staff continue to follow the implemented physical distancing measures as a response to COVID-19. Operators utilize separate vehicles and mostly completed work that could be done by one staff member or with appropriate physical distance if multiple staff are required. Routine operation and maintenance completed during the month of January 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 81 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 anodes and rectifier data

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

- The fish screens for the intake tower slide gates were pulled, cleaned and inspected. During this process, the slide gates were greased and exercised.
- Staff assisted contractors from Cal Portland in the installation of new concrete tops on three structures located in the HWY 192 in the Carpinteria section of the SCC. These new concrete tops will allow the replacement of COMB assets within the structure to complete the USBR recommendation of raising all air vent structures above ground.
- Operations staff assisted Cushman Contracting Company in the excavation and temporary repair on the leaking section of reservoir effluent piping at Ortega Reservoir. Staff worked closely with Cater Water Treatment Plant and Montecito Water District staff to safely isolate the effluent piping of Ortega Reservoir while supplying water to Montecito and Carpinteria water customers. There were no interruptions to water supply during the duration of the project.
- Staff conducted the annual exercising of the hydraulically operated ball valve on the effluent piping of Lauro Reservoir and the Cater Influent Valve. COMB worked closely with Cater Water Treatment Plant to complete this exercise due to the fact that conducting this exercise temporarily shuts off the water supply to the treatment plant.
- COMB contracted Emerson Process Management to complete the quarterly meter calibrations on all of COMB's venturi meters. These meters include: Tecolote tunnel inflow meter, Laruo reservoir inflow meter, Sheffield south flow meter, and Ortega reservoir outflow meter. COMB staff assisted Emerson staff in the confined space entry and attendant work needed to complete the calibrations.
- COMB staff ordered and installed new "no trespassing", and "no fishing" signs along the fence line of Lauro reservoir.
- Operations staff monitored the excavation of the SCC to locate the conduit and to install a new branch of sewer line crossing under the SCC into the Birnam wood community in Montecito. The work was completed by Tierra Contracting Inc.
- Operations staff monitored the excavation of the South Coast Conduit at La Mirada and section of mortar and bar-wrapping was removed to verify the outer dimension of the pipeline in order to fabricate the pipeline components for the line valve.

**Flat Top Replacment – HWY 192 - Carpinteria**



*Removing old flat tops*



*Installing new flat tops*



*Setting new frames*



*Installing concrete collars and lids*

**La Mirada Line Valve Construction**



*Tack-welding bars to cylinder*



*Re-mortaring pipeline*

## Ortega Outflow Line Leak Repair



*Leak on southwest side of control building  
(asphalt removed)*



*Leak into Valve Pit #3*



*Excavation of Ortega Outflow Pipeline*



*Installation of Custom-fabricated repair  
clamp for outflow pipeline*

# CACHUMA OPERATION AND MAINTENANCE BOARD

## BOARD MEMORANDUM

**DATE:** February 28, 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 by gravity through the Hilton Creek Emergency Backup System (HCEBS) at approximately 1.3 cfs as of 2/18/22 to the Upper Release Point (URP) and Lower Release Point (LRP), which is sustaining the *O. mykiss* population in the creek. Currently, the lake is too low for gravity flow delivery through the Hilton Creek Watering System (HCWS). BiOp compliance releases to Hilton Creek are a minimum of 2 cfs. USBR and NMFS discussed the below target flow condition when it first occurred.
- 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 and the Outlet Works to the Lower Santa Ynez River (LSYR) mainstem.

In compliance with the 2000 Cachuma Project Biological Opinion (BiOp) (NMFS, 2000) 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 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:

**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.

**Beaver Dam Surveys:** The annual Beaver Dam survey takes place in the late fall and early winter prior to stormflow events of that water year. Surveys consist of walking from Bradbury Dam to the LSYR Lagoon and the basin's tributaries where access is allowed, recording where beaver dams are located, their height and width, ponded pool size and depth above, whether they are active or not, and photographed. The survey started in November and was completed in January. The results will be reported in the Annual Monitoring Summary/Report.

**Redd Surveys:** Redd surveys are conducted approximately every two weeks from mid-January through May. Surveys are conducted within the LSYR mainstem in the Highway 154,

Refugio, and Alisal reaches where access is permitted, and certain sections of Hilton, Quiota, and Salsipuedes/El Jaro creeks. The number of redds is reported in the Annual Monitoring Plan.

***Migrant Trapping:*** The 2022 Migrant Trapping Plan was provided to Reclamation in December who then submitted it to NMFS. This monitoring effort normally begins in January and continues through May depending on streamflow rates. The results are presented in the Annual Monitoring Summary. The Hilton Creek was installed on 2/1/22. The Salsipuedes Trap and LSYR Mainstem Trap will be installed when stormflow enables fish passage or in association with the Passage Supplementation Program if that program is initiated. Traps are removed during high flow events for safety of the staff, fishery and equipment, or if flows are too low to enable migration. The Santa Ynez River Lagoon currently is closed and is routinely monitored. Results of the trapping program are presented in the Annual Monitoring Report.

***Monitoring Target Flows:*** Monitoring for the required 2000 BiOp and WR 2019-0148 target flows are conducted by USGS and USBR for Hilton Creek, and COMB-FD and USBR for the LSYR at the Hwy 154 Bridge. The minimum target flow of 2 cfs to Hilton Creek is not currently being met with HCEBS gravity flow to the URP and LRP, with a release rate of approximately 1.3 cfs. USBR is reluctant to run any level of pumps to deliver water to the creek given past operational issues and recent power outages at Bradbury Dam. There is still sufficient discharge at the URP to sustain the fishery from there to the LRP as well as down to the confluence of the creek with the LSYR mainstem. The upper reach will become more of a concern as lake levels drop during the rest of the dry season. USBR has discussed the situation with NMFS when it initially occurred and it was agreed at the time to continue with gravity flow instead of going to pumps which have proven multiple times to be problematic in sustaining the Hilton Creek fishery.

Documenting compliance in meeting target flows at the Hwy 154 Bridge (2.5 cfs) cannot be done at that specific location due to the channel configuration and landowner access limitations. USBR established a low-flow river discharge monitoring location approximately 1 mile downstream of the Hwy 154 Bridge where access is available. USBR has been taking a discharge measurement approximately once a month and the COMB-FD staff are taking a discharge measurement once a week; we also maintain a pressure transducer at that location to record river stage every 15 minutes. This is part of a compliance measure within WR 2019-0148, specifically the Plan required in Term 18 and Term 25. The objective is to maintain a river discharge at that monitoring location of 2.5 cfs or greater (at the current lake elevation) which follows Reclamations established operational protocols for meeting required target flows at the Hwy 154 Bridge upstream. The objective was challenging to meet at all times in May, June, and July 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 given the challenging factors and access barriers. COMB-FD continues to take weekly measurements as requested by USBR.

### **Tributary Project Updates:**

All planned projects have been successfully completed.

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

**HCWS and HCEBS:** The HCWS and HCEBS are owned, operated, and maintained by USBR. The HCEBS was completed at the end of January 2016. USBR technical staff continues to consider improvement options for the HCWS. Currently USBR is delivering water to Hilton Creek through the HCEBS by gravity flow to the URP and LRP.

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.

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. Now all release water to Hilton Creek comes through the HCEBS by gravity flow to the URP and LRP.

After observing water leaking out of the HCEBS flowing 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 that system.

No maintenance was conducted to our knowledge on the HCWS or the HCEBS over the course of the last month.

## **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 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, and 8/2/21 - 10/22/21. 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).

<b>Accounts*</b>	<b>Allocation</b>	<b>Amount Used**</b>	<b>Amount Remaining</b>
<b>Units:</b>	<b>(acre-feet)</b>	<b>(acre-feet)</b>	<b>(acre-feet)</b>
<b>Fish Passage Supplementation</b>			
<b>WY2019</b>	3,200	3,307	-107
<b>WY2020</b>	0	2,558	-2,558
<b>Adaptive Management</b>	500	149	351
<b>Fish Rearing***</b>	8,684	8,684	0
<b>Unallocated Project Water</b>		25,770	
<b>Total:</b>	9,184	40,468	-2,314
* Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013.			
** Values as of 1/31/22.			
*** 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 completed the WY2021 Annual Monitoring Report and will wrap up the WY2021 Annual Monitoring Summary soon.

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

**Consultant Activity Summary:**

**HDR Fisheries Design Center** (Mike Garelo and Shaun Bevan) – HDR staff conducted the annual performance evaluations at completed tributary enhancement projects. The data analyses and write-up are forthcoming.

**Kenneth A. Knight Consulting** (Ken Knight) – Mr. Knight assisted in selecting placement of new oak trees for the Year 13 planting effort. That project was completed by the end of January.

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	February 28, 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 January, 2021 to the present (7/1/21 – 2/28/22, Table 1). Labor and expenses for the entire fiscal year (July 2020 - June 2021) as well as water usage will be 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 2020 Annual Report with the annual inventory and Fiscal Year 2020-21 financials was completed and reviewed by the Lake Cachuma Oak Tree Committee on 9/2/21 and provided to the COMB Board on 9/27/21 that recommended going forward with planting another 300 oak trees and replacing 80 dead oak trees during the wet season of this water year.

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

	July 2021	Aug 2021	Sept 2021	Oct 2021	Nov 2021	Dec 2021 <sup>1</sup>	Jan 2022	Feb 2022 <sup>2</sup>
<b>Year 13 Oaks (2021-2022)</b>					New Trees	New Trees	New Trees	New Trees
					Gopher Baskets	QA/QC	QA/QC	QA/QC
					Fert/Comp	Tree Tags	Tree Tags	Tree Tags
					Deer Cages		Deer Cages	Deer Cages
					Mulch/Irrigated		Mulch/Irrigated	Mulch/Irrigated
<b>Year 12 Oaks (2020-2021)</b>	Irrigated	Irrigated	Irrigated					Irrigated
	Weeded	Weeded	Weeded					Weeded
<b>Year 11 Oaks (2019-2020)</b>	Irrigated	Irrigated	Irrigated	Irrigated				
	Weeded	Weeded	Weeded	Weeded				
<b>Year 10 Oaks (2018-2019)</b>		Irrigated		Irrigated				
		Weeded		Weeded				
<b>Year 9 Oaks (2016-2017)</b>		Irrigated	Irrigated	Irrigated		Irrigated		
		Weeded	Weeded	Weeded		Weeded		
<b>Year 8 Oaks (2015-2016)</b>								
<b>Year 7 Oaks (2014-2015)</b>								
<b>Year 6 Oaks (2005-2011)</b>								
<sup>1</sup> Dead trees replaced.								
<sup>2</sup> Oak tree inventory.								

**Planting**

COMB with Ken Knight has successfully completed planting approximately 372 trees (referred to as Year 13 trees) at Live Oak Camp located just upstream of Lake Cachuma on the Santa Ynez River (Exhibit 1). This is in addition to planting 88 replacement trees at the Santa Barbara County Park (SBCP) and Storke Flat locations. Tagging and taking GPS points of all Year 13 trees is ongoing and is expected to be completed by the end of the month.

**Maintenance**

Bradbury Dam only received 0.44 inches of rainfall in the month of January and only 0.02 inches of rainfall (to date) in the month of February. As a result of this mid-winter dry spell, staff has had to focus their oak tree efforts on watering newly planted trees in recent weeks. The COMB Fisheries Division finished another round of irrigation on all new Year 13 trees at Live Oak Camp and started watering Year 12 trees. Replacement trees at SBCP and Storke Flat have also received another round of irrigation.

**Annual Inventory**

The 2021 Annual Inventory of all year classes is underway and will continue until completed.

**LIST OF EXHIBITS:**



**Exhibit 1:** Aerial imagery of Year 13 planting effort at Live Oak Camp; trailhead and parking lot.



**WATER YEAR 21-22 CACHUMA PROJECT ALLOCATION**

**CACHUMA OPERATION AND MAINTENANCE BOARD  
WATER PRODUCTION AND WATER USE REPORT  
FOR THE MONTH OF JANUARY 2022 AND THE WATER YEAR TO DATE (WYTD) <sup>(1)</sup>**

(All in rounded Acre Feet)

<b>CACHUMA PROJECT</b>		
<b>WATER PRODUCTION:</b>	<b>MONTH</b>	<b>WYTD</b>
Cachuma Lake (Tec. Diversion)	763.0	5,000.2
Tecolote Tunnel Infiltration	100.9	308.6
Cachuma Lake (County Park)	0.7	4.5
<b>Subtotal - Water Production</b>	<b>864.6</b>	<b>5,313.3</b>
<b>WATER DELIVERIES:</b>		
State Water Diversion	398.8	1,498.4
Cachuma Diversion	565.2	3,856.3
Storage gain/(loss) <sup>(2)</sup>	(124.7)	(60.3)
<b>Subtotal - Water Deliveries</b>	<b>839.3</b>	<b>5,294.3</b>
<b>Total Water Production</b>	<b>864.6</b>	<b>5,313.3</b>
<b>Total Water Deliveries</b>	<b>839.3</b>	<b>5,294.3</b>
<b>Difference = Apparent Water Loss</b>	<b>25.3</b>	<b>19.0</b>
<b>% Apparent Water Loss</b>	<b>2.92%</b>	<b>0.36%</b>

**SCC APPARENT WATER LOSS ALLOCATION (AWL) <sup>(3)</sup>**

	<b>GWD</b>	<b>SB CITY</b>	<b>MWD</b>	<b>CVWD</b>	<b>TOTAL</b>
<b><u>CURRENT MONTH CHARGE / (ADJUSTMENT)</u></b>					
M&I	0.0	0.0	0.0	0.0	0.0
Agriculture	0.0	0.0	0.0	0.0	0.0
Subtotal Cachuma Project	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
(+) State Water Project	0.0	0.0	0.0	0.0	0.0
<b>Total Current Month</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b><u>WATER YEAR-TO-DATE CHARGE / (ADJUSTMENT)</u></b>					
M&I	0.0	0.0	0.0	0.0	0.0
Agriculture	0.0	0.0	0.0	0.0	0.0
Subtotal Cachuma Project	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
(+) State Water Project	0.0	0.0	0.0	0.0	0.0
<b>Total AWL Charged (WYTD)</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total AWL Not Charged (WYTD)</b>					<b>19.0</b>
<b>Total AWL Incurred (WYTD)</b>					<b>19.0</b>

**CACHUMA PROJECT WATER CHARGE**

	<b>GWD</b>	<b>SB CITY</b>	<b>MWD</b>	<b>CVWD</b>	<b>SYRID #1</b>	<b>TOTAL</b>
<b><u>CURRENT MONTH</u></b>						
Water Usage						
M&I	88.8	430.9	35.8	0.0	0.7	556.2
Agricultural	7.9	0.0	1.0	0.0	N/A	9.0
<b>Subtotal Project Water Use</b>	<b>96.7</b>	<b>430.9</b>	<b>36.8</b>	<b>0.0</b>	<b>0.7</b>	<b>565.2</b>
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss <sup>(4)</sup>	16.2	49.6	6.3	5.6	6.2	83.8
<b>Total Project Water Charge</b>	<b>112.9</b>	<b>480.5</b>	<b>43.1</b>	<b>5.6</b>	<b>6.9</b>	<b>649.0</b>
<b><u>WATER YEAR-TO-DATE</u></b>						
Water Usage						
M&I	988.7	1,966.9	590.3	0.0	4.5	3,550.4
Agricultural	261.6	0.0	44.3	0.0	N/A	305.9
<b>Subtotal Project Water Use</b>	<b>1,250.3</b>	<b>1,966.9</b>	<b>634.5</b>	<b>0.0</b>	<b>4.5</b>	<b>3,856.3</b>
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss <sup>(4)</sup>	119.7	352.7	48.0	37.6	42.2	600.1
<b>Total Project Water Charge (*)</b>	<b>1,369.9</b>	<b>2,319.6</b>	<b>682.6</b>	<b>37.6</b>	<b>46.7</b>	<b>4,456.4</b>

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

**WATER YEAR 21-22 CACHUMA PROJECT ALLOCATION**  
**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**WATER PRODUCTION AND WATER USE REPORT**  
**FOR THE MONTH OF JANUARY 2022 AND THE WATER YEAR TO DATE (WYTD) <sup>(1)</sup>**

(All in rounded Acre Feet)

**CACHUMA PROJECT WATER BALANCE**

	<b>GWD</b>	<b>SB CITY</b>	<b>MWD</b>	<b>CVWD</b>	<b>SYRID #1</b>	<b>TOTAL</b>
<b>Project Water Carryover - 10/1/2021</b>	7,321.6	20,525.9	2,994.6	2,103.3	2,361.5	35,307.0
Transfers/Adjustment	0.0	0.0	0.0	0.0	0.0	0.0
<b>(-) Project Water Charge (WYTD)</b>	<b>1,369.9</b>	<b>2,319.6</b>	<b>682.6</b>	<b>37.6</b>	<b>46.7</b>	<b>4,456.4</b>
<b>Balance Carryover Water</b>	<b>5,951.7</b>	<b>18,206.4</b>	<b>2,312.0</b>	<b>2,065.8</b>	<b>2,314.8</b>	<b>30,850.6</b>
<b>Current Year Allocation <sup>(5)</sup></b>	<b>6,525.0</b>	<b>5,794.0</b>	<b>1,856.0</b>	<b>1,969.0</b>	<b>1,856.0</b>	<b>18,000.0</b>
<b>(-) Balance of Project Water Charge (WYTD)</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Net Allocation Available Before Adjustments</b>	<b>6,525.0</b>	<b>5,794.0</b>	<b>1,856.0</b>	<b>1,969.0</b>	<b>1,856.0</b>	<b>18,000.0</b>
<b><u>Adjustments to Net Allocation (WYTD)</u></b>						
Carryover Balances Spilled	0.0	0.0	0.0	0.0	0.0	0.0
Surplus	0.0	0.0	0.0	0.0	0.0	0.0
State Water Exchange <sup>(6)</sup>	61.0	41.0	0.0	27.0	(129.0)	0.0
Transfers/Adjustment - SB/La Cumbre	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - Bishop Ranch	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - Juncal Transfer	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - GWD/SB Overlap	0.0	0.0	0.0	0.0	0.0	0.0
<b>Balance Current Year Allocation</b>	<b>6,586.0</b>	<b>5,835.0</b>	<b>1,856.0</b>	<b>1,996.0</b>	<b>1,727.0</b>	<b>18,000.0</b>
<b>Total Cachuma Project Water Available</b>	<b>12,537.7</b>	<b>24,041.4</b>	<b>4,168.0</b>	<b>4,061.8</b>	<b>4,041.8</b>	<b>48,850.6</b>

**Footnotes**

- (1) Water Year = October 1 through September 30; WYTD = Water Year to Date
- (2) Includes Lauro and Ortega Reservoirs only
- (3) Based on correspondence from Michael Jackson, dated 09/15/17, which revised the approach to the assessment for unaccounted for water loss based on lake conditions
- (4) Per USBR, evaporation is applied to Cachuma Carryover and SWP water through standard contract formula effective April 1, 2017
- (5) Per USBR, 70% allocation to Member Agencies, effective 10/1/21
- (6) Per SWP Exchange Agrmt GWD received 0 AF; City of SB received 0 AF; MWD received 0 AF; and CVWD received 0 AF from ID#1 in January 2021.
- (7) Memo only - State Water Deliveries to Lake Cachuma for January was 427 AF.
- (8) Memo only - MWD has received 117.38 AF under the City of SB / MWD WSA ("Desal") for this Contract Year (July 1 - June 30)

**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**WATER STORAGE REPORT**

MONTH: **JANUARY 2022**

**GLEN ANNIE RESERVOIR <sup>(1)</sup>**

Capacity at 385' elevation:	335	AF
Capacity at sill of intake at 334' elevation:	21	AF
Stage of Reservoir Elevation	<b>340.0</b>	Feet
Water in Storage	47.42	AF

**LAURO RESERVOIR**

Capacity at 549' elevation:	503	AF
Capacity at top of intake screen, 520' elevation:	106.05	AF
Stage of Reservoir Elevation	<b>541.9</b>	Feet
Water in Storage	373.30	AF

**ORTEGA RESERVOIR**

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	<b>446.0</b>	Feet
Water in Storage	16.42	AF

**CARPINTERIA RESERVOIR**

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	<b>377.1</b>	Feet
Water in Storage	28.18	AF

**TOTAL STORAGE IN RESERVOIRS <sup>(1)</sup>**

Change in Storage	417.89	AF
	-122.39	AF

**CACHUMA RESERVOIR**

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

Stage of Reservoir Elevation	<b>712.10</b>	Feet
Water in Storage	<b>93,101</b>	AF
Surface Area	<b>1,878</b>	Acres
Evaporation	<b>185.5</b>	AF
Inflow	<b>627.9</b>	AF
Downstream Release WR8918	<b>0.0</b>	AF
Fish Release (Hilton Creek)	<b>80.1</b>	AF
Outlet	<b>340.0</b>	AF
Spill/Seismic Release	<b>0</b>	AF
State Water Project Water	<b>413.6</b>	AF
Change in Storage	<b>-244</b>	AF
Tecolote Diversion	<b>748.3</b>	AF

<b>Rainfall:</b>	<b>Month:</b> 0.44	<b>Season:</b> 10.68	<b>Percent of Normal:</b> 107%
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(1) Glen Annie Reservoir is currently offline and excluded from Total Storage in Reservoirs amount.

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



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

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

Contract Entity: **Goleta Water District**  
 Update by COMB 1/31/2022

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

TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED		
Acre-feet			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	Total
412.3	130.2	542.4	62.9	542.4	605.3	456.3	149.0	-
376.0	97.0	472.9	28.3	472.9	501.2	395.7	105.6	-
111.7	26.5	138.2	12.3	138.2	150.5	120.2	30.4	-
88.8	7.9	96.7	16.2	96.7	112.9	99.9	13.0	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
988.7	261.6	1,250.3	119.7	1,250.3	1,369.9	1,072.0	297.9	-

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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-	-	-	-
-	-	-	-
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SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	7,321.6	5,130.0	2,191.7	5,073.5	1,451.5	6,525.0
ID#1 Exch (+61AF)	-	-	-	40.9	20.1	61.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

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BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	6,716.3	4,673.6	2,042.7	5,114.4	1,471.6	6,586.0
Nov	6,215.1	4,278.0	1,937.1	5,114.4	1,471.6	6,586.0
Dec	6,064.6	4,157.8	1,906.8	5,114.4	1,471.6	6,586.0
Jan	5,951.7	4,057.9	1,893.8	5,114.4	1,471.6	6,586.0
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 12,537.7

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

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

Contract Entity: **City of Santa Barbara**  
 Update by COMB 1/31/2022

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

TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED		
Acre-feet			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	-----	Total
639.1	-	639.1	180.2	639.1	819.3	819.3	-	-
517.5	-	517.5	84.9	517.5	602.4	602.4	-	-
379.4	-	379.4	38.0	379.4	417.4	417.4	-	-
430.9	-	430.9	49.6	430.9	480.5	480.5	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
1,966.9	-	1,966.9	352.7	1,966.9	2,319.6	2,319.6	-	-

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation	Allocation		Total
		M & I	-----	M & I	-----
Begin Bal	20,525.9	20,525.9	-	5,794.0	-
ID#1 Exch (+41AF)	-	-	-	41.0	-
Oct	-	-	-	-	-
Nov	-	-	-	-	-
Dec	-	-	-	-	-
Jan	-	-	-	-	-
Feb	-	-	-	-	-
Mar	-	-	-	-	-
Apr	-	-	-	-	-
May	-	-	-	-	-
Jun	-	-	-	-	-
Jul	-	-	-	-	-
Aug	-	-	-	-	-
Sep	-	-	-	-	-

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BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation	Allocation		Total
		M & I	-----	M & I	-----
Oct	19,706.7	19,706.7	-	5,835.0	-
Nov	19,104.3	19,104.3	-	5,835.0	-
Dec	18,686.9	18,686.9	-	5,835.0	-
Jan	18,206.4	18,206.4	-	5,835.0	-
Feb	-	-	-	-	-
Mar	-	-	-	-	-
Apr	-	-	-	-	-
May	-	-	-	-	-
Jun	-	-	-	-	-
Jul	-	-	-	-	-
Aug	-	-	-	-	-
Sep	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 24,041.4

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

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

Contract Entity: **Montecito Water District**  
 Update by COMB 1/31/2022

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

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation			Allocation			Total	
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
237.2	20.0	257.2	25.6	257.2	282.8	255.1	27.6	-	-	-
211.0	15.9	226.9	11.3	226.9	238.2	218.7	19.5	-	-	-
106.2	7.4	113.6	4.9	113.6	118.5	109.4	9.1	-	-	-
35.8	1.0	36.8	6.3	36.8	43.1	39.8	3.3	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
590.3	44.3	634.5	48.0	634.5	682.6	623.1	59.5	-	-	-

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	2,994.6	2,096.5	898.0	1,571.0	285.0	1,856.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

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BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	2,711.8	1,841.4	870.4	1,571.0	285.0	1,856.0
Nov	2,473.6	1,622.7	850.9	1,571.0	285.0	1,856.0
Dec	2,355.1	1,513.3	841.8	1,571.0	285.0	1,856.0
Jan	2,312.0	1,473.5	838.5	1,571.0	285.0	1,856.0
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 4,168.0

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

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

Contract Entity: **Carpinteria Valley Water District**  
 Update by COMB 1/31/2022

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

TOTAL WATER USED				WATER USE CHARGED			WATER USE CHARGED			
Acre-feet				Allocation			Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
-	-	-	18.8	-	18.8	9.7	9.1	-	-	-
-	-	-	9.1	-	9.1	4.8	4.3	-	-	-
-	-	-	4.2	-	4.2	2.1	2.1	-	-	-
-	-	-	5.6	-	5.6	3.5	2.0	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	37.6	-	37.6	20.1	17.5	-	-	-

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

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SCHEDULE AND REVISIONS				SCHEDULE AND REVISIONS			
	Total	Allocation		Allocation		Total	
		M & I	Agr	M & I	Agr		
Begin Bal	2,103.3	1,085.4	1,017.9	984.5	984.5	1,969.0	
ID#1 Exch (+27AF)	-	-	-	18.1	8.9	27.0	
Oct	-	-	-	-	-	-	
Nov	-	-	-	-	-	-	
Dec	-	-	-	-	-	-	
Jan	-	-	-	-	-	-	
Feb	-	-	-	-	-	-	
Mar	-	-	-	-	-	-	
Apr	-	-	-	-	-	-	
May	-	-	-	-	-	-	
Jun	-	-	-	-	-	-	
Jul	-	-	-	-	-	-	
Aug	-	-	-	-	-	-	
Sep	-	-	-	-	-	-	

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BALANCE - CARRYOVER WATER				BALANCE - CURR YR ALLOC			
	Total	Allocation		Allocation		Total	
		M & I	Agr	M & I	Agr		
Oct	2,084.6	1,075.7	1,008.8	1,002.6	993.4	1,996.0	
Nov	2,075.5	1,070.9	1,004.5	1,002.6	993.4	1,996.0	
Dec	2,071.3	1,068.9	1,002.5	1,002.6	993.4	1,996.0	
Jan	2,065.8	1,065.3	1,000.4	1,002.6	993.4	1,996.0	
Feb	-	-	-	-	-	-	
Mar	-	-	-	-	-	-	
Apr	-	-	-	-	-	-	
May	-	-	-	-	-	-	
Jun	-	-	-	-	-	-	
Jul	-	-	-	-	-	-	
Aug	-	-	-	-	-	-	
Sep	-	-	-	-	-	-	

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 4,061.8

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

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

Contract Entity: **Santa Ynez River Water Conservation District, ID#1**  
**Update by COMB 1/31/2022**

CARRYOVER WATER	CURRENT YEAR ALLOCATION
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Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	2,361.5	1,856.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	2,361.5	1,856.0

TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED		
Acre-feet			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	Total
1.4	-	1.4	21.1	1.4	22.4	3.7	18.8	-
1.3	-	1.3	10.2	1.3	11.5	2.4	9.1	-
1.1	-	1.1	4.7	1.1	5.8	1.6	4.2	-
0.7	-	0.7	6.2	0.7	6.9	1.4	5.6	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
4.5	-	4.5	42.2	4.5	46.7	9.1	37.6	-

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

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

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BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
County Parks Usage (AF)	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
1.4	2,339.1	250.9	2,088.2	878.6	848.4	1,727.0
1.3	2,327.6	248.5	2,079.1	878.6	848.4	1,727.0
1.1	2,321.8	246.8	2,074.9	878.6	848.4	1,727.0
0.7	2,314.8	245.5	2,069.4	878.6	848.4	1,727.0
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

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TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 4,041.8

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

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

Contract Entity: **Santa Barbara Co. Water Agency**  
 Update by COMB 1/31/2022

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr	TOTAL WATER USED				WATER USE CHARGED			WATER USE CHARGED				
			Acre-feet				Allocation			Allocation				
			Use %	M & I	Agr	Total	Evap	Div	Total	M & I	Agr	M & I	Agr	Total
Oct	35,307.0	18,000.0	0.0	1,290.0	150.2	1,440.2	308.4	1,440.2	1,748.6	1,544.1	204.5	-	-	-
Nov	-	-	0.0	1,105.8	112.8	1,218.6	143.9	1,218.6	1,362.5	1,224.0	138.5	-	-	-
Dec	-	-	0.0	598.4	33.9	632.3	64.0	632.3	696.3	650.6	45.7	-	-	-
Jan	-	-	0.0	556.2	9.0	565.2	83.8	565.2	649.0	625.1	23.9	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	35,307.0	18,000.0	0.1	3,550.4	305.9	3,856.3	600.1	3,856.3	4,456.4	4,043.8	412.6	-	-	-

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

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

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	County Parks Usage (AF)	Allocation		Allocation		Total	
		M & I	Agr	M & I	Agr		
Oct	1.4	33,558.4	27,548.3	6,010.1	14,401.5	3,598.5	18,000.0
Nov	1.3	32,196.0	26,324.3	5,871.7	14,401.5	3,598.5	18,000.0
Dec	1.1	31,499.6	25,673.7	5,826.0	14,401.5	3,598.5	18,000.0
Jan	0.7	30,850.6	25,048.6	5,802.1	14,401.5	3,598.5	18,000.0
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **48,850.6**

## CACHUMA DAILY OPERATIONS

Month & Year: February 2022  
 Time of Observations: 0830 Evaporation Pan Factor: 77%

Day	Beginning Storage: 93,101			Surface Area	Rainfall		Evaporation		CCWA Inflow	Releases					Computed Inflow		
	Elevation	Storage	Change		inches	acre-feet	inches	acre-feet		Park Diversion	South Coast	Hilton Creek	WR 89-18	Outlet		Spillway	
	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	
1	712.09	93,063	(38)	1,878	-		0.030	3.6	19.0		44.8	2.6	-	12.0	-	6.0	
2	712.05	93,007	(56)	1,877	-		0.100	12.0	13.2		51.0	2.5	-	11.0	-	7.3	
3	712.03	92,969	(38)	1,876	-		0.110	13.2	13.2		48.8	2.6	-	11.0	-	24.4	
4	712.01	92,932	(37)	1,876	-		0.070	8.4	13.0		51.9	2.5	-	11.0	-	23.8	
5	711.99	92,894	(38)	1,875	-		0.090	10.8	13.2		47.0	2.5	-	11.0	-	20.1	
6	711.96	92,838	(56)	1,874	-		0.100	12.0	13.2		50.2	2.6	-	11.0	-	6.6	
7	711.93	92,781	(57)	1,874	-		0.100	12.0	13.2		49.7	2.6	-	11.0	-	5.1	
8	711.91	92,744	(37)	1,873	-		0.110	13.2	13.2		50.1	2.5	-	11.0	-	26.6	
9	711.89	92,706	(38)	1,873	-		0.130	15.6	13.2		49.4	2.5	-	11.0	-	27.3	
10	711.87	92,668	(38)	1,872	-		0.140	16.8	13.2		61.2	2.5	-	12.0	-	41.3	
11	711.83	92,593	(75)	1,871	-		0.130	15.6	13.2		72.3	2.5	-	11.0	-	13.2	
12	711.79	92,518	(75)	1,870	-		0.120	14.4	13.2		67.6	2.5	-	11.0	-	7.3	
13	711.75	92,443	(75)	1,869	-		0.200	24.0	13.2		71.9	2.5	-	12.0	-	22.2	
14	711.71	92,368	(75)	1,868	-		0.150	18.0	13.3		71.1	2.5	-	11.0	-	14.3	
15	711.67	92,292	(76)	1,867	-		0.110	13.2	2.3		71.4	2.5	-	11.0	-	19.8	
16	711.62	92,198	(94)	1,866	0.02	3.1	0.150	18.0	-		65.6	2.5	-	11.0	-	(0.1)	
17	711.58	92,124	(74)	1,865	-		0.090	10.8	-		54.4	2.4	-	12.0	-	5.6	
18	711.55	92,069	(55)	1,864	-		0.130	15.5	-		54.2	2.5	-	11.0	-	28.2	
19	711.53	92,031	(38)	1,863	-		0.130	15.5	12.9		53.5	2.4	-	11.0	-	31.5	
20	711.50	91,976	(55)	1,863	0.01	1.6	0.100	12.0	13.2		44.6	2.4	-	12.0	-	1.2	
21	711.49	91,957	(19)	1,863	-		0.100	12.0	13.2		34.3	2.4	-	11.0	-	27.5	
22	711.47	91,920	(37)	1,862	-		0.120	14.3	13.2		33.8	2.4	-	11.0	-	11.3	
23	711.43	91,846	(74)	1,861	0.05	7.8	0.050	6.0	13.2		48.9	2.4	-	11.0	-	(26.7)	
24	711.40	91,790	(56)	1,860	-		0.070	8.4	13.3		45.9	2.4	-	11.0	-	(1.6)	
25																	
26																	
27																	
28																	
<b>TOTALS</b>			<b>(1,311)</b>		0.08	12.4	2.630	315.4	-	271.8	-	1,293.6	59.7	-	269.0	-	342.5

Park Usage

Rain

Yr. Total



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



<b>Cachuma Lake Recreation Area Launch Data -- January 2022</b>		
<b>Inspection Data</b>		
Total Vessels Entering Park	744	
Total Vessels Launched	724	
Total Vessels Quarantined	20	
Returning (Tagged) Boats Launched	590	81%
Kayak/Canoe: Inspected, launched	134	19%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
<b>Quarantine Data</b>		
Total Vessels Quarantined	20	
Quarantined 14 days	*	
Quarantined 30 days	20	
<b>Quarantine Cause</b>		
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	20	
<b>Demographic Data</b>		
Quarantined from infected county	5	
Quarantined from SB County	13	
Quarantined from uninfected co	2	

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.

Inspection Date and Time: 2022.01.27; 10 a.m. to 12 p.m. PDT.

Method: 5 Sampling Stations; 30 meters/98.4 linear feet of line.

Surveyors: COSB, Parks Division Staff (Naturalist Rosey Bishop, Assistant Naturalist Kristin Loft).

Lake elevation: Max feet: 753.00, current 712.22; Max acre-feet: 193,305, current: 93,327;

Current capacity: 48.3%

