



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

**Monday, September 27, 2021  
1:00 P.M.**

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**BY TELECONFERENCE**

**NOTICE:** Pursuant to State of California Executive Order N-08-21 and extended by AB 361, members of the Cachuma Operation & Maintenance Board (COMB) Board of Directors 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/87048670305?pwd=djArWmxNOWp5SUM4dEI5NDBDZVVYdz09>

Passcode: 040417

**Join via teleconference:**

US: +1 669 900 6833 Conference ID: 870 4867 0305 Passcode: 040417

**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, September 27, 2021**

**1:00 PM**

**AGENDA**

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

- 1. CALL TO ORDER, ROLL CALL**
- 2. PUBLIC COMMENT** (*Public may address the Board on any subject matter within the Board's jurisdiction. See "Notice to the Public" below.*)
- 3. CONSENT AGENDA** (*All items on the Consent Agenda are considered to be routine and will be approved or rejected in a single motion. Any item placed on the Consent Agenda may be removed and placed on the Regular Agenda for discussion and possible action upon the request of any Board Member.*)  
Action: Recommend Approval of Consent Agenda by motion and roll call vote of the Board:
  - a. Minutes of August 23, 2021 Regular Board Meeting
  - b. Investment of Funds
    - Financial Reports
    - Investment Reports
  - c. Review of Paid Claims
- 4. VERBAL REPORTS FROM BOARD COMMITTEES**  
Receive verbal information regarding the following committee meetings:
  - Lake Cachuma Oak Tree Committee Meeting – September 2, 2021
  - Administrative Committee Meeting – September 16, 2021
- 5. PERSONNEL POLICY AND EMPLOYEE HANDBOOK UPDATE**  
Action: Receive and file information on the COMB Employee Handbook
- 6. LAKE CACHUMA OAK TREE RESTORATION PROGRAM – FISCAL YEAR 2021-22**  
Action: Recommend approval by motion and roll call of the Board
- 7. GENERAL MANAGER REPORT**  
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
  - Administration
  - Personnel
  - Virtual Meetings

**8. ENGINEER'S REPORT**

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

- Climate Conditions
- Lake Elevation Projections
- Lake Water Quality
- Infrastructure Improvement Projects

**9. OPERATIONS DIVISION REPORT**

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

- Lake Cachuma Operations
- Operation and Maintenance Activities

**10. FISHERIES DIVISION REPORT**

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

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

**11. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM**

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

- Maintenance and Monitoring

**12. MONTHLY CACHUMA PROJECT REPORTS**

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

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

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

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

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

**15. RECONVENE INTO OPEN SESSION**

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

- 14a. Name of matter: *Kimball-Griffith L.P. v. Brenda Wren Burman, et al.*, Case No. 2:20-cv-10647  
– Request for Declaratory and Injunctive Relief

**16. MEETING SCHEDULE**

- **October 25, 2021 at 1:00 PM**
- **Board Packages available on COMB website [www.cachuma-board.org](http://www.cachuma-board.org)**

**17. COMB ADJOURNMENT**

**NOTICE TO PUBLIC**

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

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

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

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

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

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**MINUTES OF REGULAR MEETING  
OF THE  
CACHUMA OPERATION AND MAINTENANCE BOARD  
Monday, August 23, 2021  
1:00 PM**

**MINUTES**

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

The meeting was called to order by President Holcombe at 1:02 PM

All attendees participated electronically pursuant to California Governor Gavin Newsom's Executive Order N-08-21.

**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	Timothy Robinson, Fisheries Division Manager
Edward Lyons, Administrative Manager/CFO	Perri Wolfe, Administrative Analyst
Joel Degner, Engineer/Operations Division Manager	Dorothy Turner, Administrative Assistant II

**Others Present:**

Dakota Corey, City of Santa Barbara	Matt Young, County of Santa Barbara
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**2. PUBLIC COMMENT**

There was no public comment.

**3. CONSENT AGENDA**

- a. Minutes of July 26, 2021 Regular Board Meeting
- b. Investment of Funds
  - Financial Reports
  - Investment Reports
- c. Review of Paid Claims

Ms. Gingras presented the Consent Agenda items and asked Mr. Lyons for his comments regarding the financial reports. Mr. Lyons reviewed revenues received during the prior month and highlighted several expenditures of note, including payments to ACWA JPIA, Famcon and Geosyntec. As well, he drew attention to a few expenses related to the COMB Building Replacement project.

Director Hanson motioned to accept the Consent Agenda items as rendered. Director Sneddon seconded the motion which carried unanimously with a vote of six in favor.

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

**Nays:**

**Absent:**

**Abstain:**

#### **4. VERBAL REPORTS FROM BOARD COMMITTEES**

- *Administrative Committee Meeting – August 17, 2021* – President Holcombe reviewed the committee’s agenda items, noting that they are addressed in this meeting’s agenda.
- *Operations Committee Meeting – August 19, 2021* – President Holcombe reviewed this committee’s agenda item, also noting that the item is addressed in the meeting’s agenda.

#### **5. FINANCIAL REVIEW – 4<sup>th</sup> QUARTER FISCAL YEAR 2020-21**

Mr. Lyons provided a comprehensive recap of COMB’s financial activities for fourth quarter fiscal year 2020-21. Directing the Board’s attention to the PowerPoint presentation included in the packet, he reviewed revenues received and followed with detailed analysis of the actual divisional results as compared to the budget. Mr. Lyons provided explanation for budget variances where appropriate and advised that final budget surplus amounts were subject to change based upon the results of the annual audit. He reviewed upcoming deliverables and fielded comments from the Board.

#### **6. PERSONNEL POLICY AND EMPLOYEE HANDBOOK UPDATE**

Ms. Gingras introduced the Personnel Policy and Employee Handbook update by explaining the intent behind the update. Ms. Gingras guided the Board through the provisions of the updated policy and fielded a number of comments and questions from the Board, also soliciting Mr. Carter’s input. Following a discussion, the Board asked that the updated policy be further clarified and brought back to the Board accompanied by a written opinion from Mr. Carter.

#### **7. INFRASTRUCTURE IMPROVEMENT PROJECT - PURCHASE OF GATE VALVE**

Mr. Degner addressed the Board regarding the purchase of the gate valve as described in the memo. He noted that the project, for which it is intended to be used, is now out for bid. Mr. Degner fielded questions from the Board.

#### **8. GENERAL MANAGER REPORT**

- Administration
- Virtual Meetings

Ms. Gingras presented the General Manager report, beginning with an update on the COMB building replacement project and handicap ramp being constructed by staff. She followed with a summary of the 2022 ACWA JPIA health insurance overall rate decrease and provided updates on Office of Emergency Management and Integrated Regional Water Management Plan meetings attended by staff during the last month. Finally, Ms. Gingras reported that a staff member has joined the Resource Management Strategies/Climate Change Sub-Committee, representing COMB. The sub-committee held its first meeting earlier in the day. The Board complimented COMB on the building replacement progress.



## **ENGINEER'S REPORT**

- Climate Conditions
- Lake Elevation Projections
- Infrastructure Improvement Projects

Mr. Degner initiated the Engineer's report with an update on current and forecasted climate conditions as well as a future estimate for the installation of the Emergency Pumping Facility, adding that evaporation rates were historically consistent. With regard to the recent Comprehensive Facility Review, staff is working diligently on Reclamation's recommendations. Mr. Degner reported the County of Santa Barbara has recently conducted a Bathymetric Survey of the lake and anticipates receiving a draft report in the near future. He provided updates for the various infrastructure improvement projects, including the South Reach Lateral project and fielded questions from the Board.

## **9. OPERATIONS DIVISION REPORT**

- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. Degner presented the Operations Division report, noting that staff has been working hard on the building replacement project. He reported that CalPortland had successfully raised the valve cans to grade on Highway 192, in conjunction with some Cal Trans paving work. Mr. Degner provided updates on various operations projects, including annual structure maintenance, quarterly meter calibrations, refurbish work to the Lauro spillway racks and adjustments to the North Portal diversions.

## **10. FISHERIES DIVISION REPORT**

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

Mr. Robinson provided the current statistics on Biological Opinion mandated releases to Hilton Creek and the Highway 154 bridge. Additionally, he updated the Board regarding the ongoing Downstream Water Rights release that staff has monitored, both through trapping and snorkel surveys. Mr. Robinson noted that all components of the Hilton Creek Watering System are now fully functional. Finally he advised that the annual reports were under way. Mr. Robinson fielded questions and comments from the Board.

## **11. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM**

- Maintenance and Monitoring

Mr. Robinson presented the Oak Tree Program report, advising that dry weather activities largely consisted of irrigation and weeding of trees planted in years twelve, eleven, ten and nine. He announced the upcoming annual committee meeting as well.

**13. MONTHLY CACHUMA PROJECT REPORTS**

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

Ms. Gingras presented the Cachuma Project Reports, stating that the results, which included the North Portal adjustments, yielded nothing unusual for the month.

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

Director Holcombe requested that the Board be informed if any challenges arise in acquiring materials for upcoming projects.

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

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

The Board adjourned into Closed Session at 2:30 PM.

**15. RECONVENE INTO OPEN SESSION**

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

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

The Board reconvened into Open Session at 2:46 PM. There was no reportable action.

**16. MEETING SCHEDULE**

- **September 27, 2021 at 1:00 PM**
- **Board Packages available on COMB website [www.cachuma-board.org](http://www.cachuma-board.org)**

**18. COMB ADJOURNMENT**

There being no further business, the meeting was adjourned at 2:47 PM.

Respectfully submitted,

\_\_\_\_\_  
Janet Gingras, Secretary of the Board

	<i>Approved</i>
√	<i>Unapproved</i>

**APPROVED:**

\_\_\_\_\_  
Polly Holcombe, President of the Board

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**Cachuma Operation & Maintenance Board**  
**Statement of Net Position**  
As of August 31, 2021  
**UNAUDITED**

	<u>August 31, 2021</u>
<b>ASSETS</b>	
<b>Current Assets</b>	
<b>Checking/Savings</b>	
<b>Trust Funds</b>	
1210 · Warren Act Trust Fund	87,854.72
1220 · Renewal Fund	15,031.82
<b>Total Trust Funds</b>	<u>102,886.54</u>
1050 · General Fund	451,657.64
1100 · Revolving Fund	349,624.63
<b>Total Checking/Savings</b>	<u>904,168.81</u>
<b>Accounts Receivable</b>	
1301 · Accounts Receivable	1,570.00
<b>Total Accounts Receivable</b>	<u>1,570.00</u>
<b>Other Current Assets</b>	
1010 · Petty Cash	500.00
1200 · LAIF	2,114,079.57
1303 · Bradbury SOD Act Assessments Receivable	213,957.00
1304 · Lauro Dam SOD Assessments Receivable	32,837.16
1400 · Prepaid Insurance	10,656.72
1900 · Deposits	236,109.85
<b>Total Other Current Assets</b>	<u>2,608,140.30</u>
<b>Total Current Assets</b>	<u>3,513,879.11</u>
<b>Fixed Assets</b>	
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)
<b>Total Fixed Assets</b>	<u>146,594.36</u>
<b>Other Assets</b>	
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)	336,263.00
1923 · Deferred Outflow (GASB 75)	944,061.00
<b>Total Other Assets</b>	<u>6,077,008.97</u>
<b>TOTAL ASSETS</b>	<u><u>9,737,482.44</u></u>

**Cachuma Operation & Maintenance Board**  
**Statement of Net Position**  
As of August 31, 2021  
**UNAUDITED**

	<u>August 31, 2021</u>
<b>LIABILITIES &amp; NET POSITION</b>	
<b>Liabilities</b>	
<b>Current Liabilities</b>	
<b>Accounts Payable</b>	
2200 · Accounts Payable	40,541.56
<b>Total Accounts Payable</b>	<u>40,541.56</u>
<b>Other Current Liabilities</b>	
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	102,886.54
<b>Total Other Current Liabilities</b>	<u>619,304.19</u>
<b>Total Current Liabilities</b>	<u>659,845.75</u>
<b>Long Term Liabilities</b>	
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	5,565,697.00
2610 · Net Pension Liability (GASB 68)	1,893,141.00
2611 · Deferred Inflow of Resources (GASB 68)	143,105.00
2612 · Deferred Inflow of Resources (GASB 75)	716,377.00
<b>Total Long Term Liabilities</b>	<u>13,114,994.97</u>
<b>Total Liabilities</b>	<u>13,774,840.72</u>
<b>Net Position</b>	
3000 · Opening Balance Net Position	(5,296,580.05)
3901 · Retained Net Assets	506,645.51
Net Income	752,576.26
<b>Total Net Position</b>	<u>(4,037,358.28)</u>
<b>TOTAL LIABILITIES &amp; NET POSITION</b>	<u><u>9,737,482.44</u></u>

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

	Fisheries				Operations				TOTAL			
	Jul - Aug 21	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Aug 21	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Aug 21	Budget	\$ Over / (Under) Budget	% of Budget
<b>Revenue</b>												
<b>3000 REVENUE</b>												
3001 · O&M Budget (Qtrly Assessments)	\$ 349,764.00	\$ 1,073,752.00	\$ (723,988.00)	32.57%	\$ 921,337.00	\$ 3,865,221.00	\$ (2,943,884.00)	23.84%	\$ 1,271,101.00	\$ 4,938,973.00	\$ (3,667,872.00)	25.74%
3006 · Warren Act	0.00	43,086.00	-43,086.00	0.0%	0.00				0.00	43,086.00	-43,086.00	0.0%
3007 · Renewal Fund	0.00	220,175.00	-220,175.00	0.0%	0.00				0.00	220,175.00	-220,175.00	0.0%
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%
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>\$ 349,764.00</b>	<b>\$ 1,427,013.00</b>	<b>\$ (1,077,249.00)</b>	<b>24.51%</b>	<b>\$ 960,467.56</b>	<b>\$ 3,865,221.00</b>	<b>\$ (2,904,753.44)</b>	<b>24.85%</b>	<b>\$ 1,310,231.56</b>	<b>\$ 5,292,234.00</b>	<b>\$ (3,982,002.44)</b>	<b>24.76%</b>
<b>Expense</b>												
3100 · LABOR - OPERATIONS	\$ -	\$ -	\$ -	0.0%	\$ 140,029.24	\$ 1,023,887.00	\$ (883,857.76)	13.68%	\$ 140,029.24	\$ 1,023,887.00	\$ (883,857.76)	13.68%
<b>3200 VEH &amp; EQUIPMENT</b>												
3201 · Vehicle/Equip Mtce	0.00				3,008.81	35,000.00	-31,991.19	8.6%	3,008.81	35,000.00	-31,991.19	8.6%
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				637.81	10,000.00	-9,362.19	6.38%	637.81	10,000.00	-9,362.19	6.38%
<b>Total 3200 VEH &amp; EQUIPMENT</b>	<b>0.00</b>				<b>5,408.35</b>	<b>115,000.00</b>	<b>-109,591.65</b>	<b>4.7%</b>	<b>5,408.35</b>	<b>115,000.00</b>	<b>-109,591.65</b>	<b>4.7%</b>
<b>3300 · CONTRACT LABOR</b>												
3301 · Conduit, Meter, Valve & Misc	0.00				3,090.00	20,000.00	-16,910.00	15.45%	3,090.00	20,000.00	-16,910.00	15.45%
3302 · Buildings & Roads	0.00				0.00	20,000.00	-20,000.00	0.0%	0.00	20,000.00	-20,000.00	0.0%
3303 · Reservoirs	0.00				4,557.10	60,000.00	-55,442.90	7.6%	4,557.10	60,000.00	-55,442.90	7.6%
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>7,647.10</b>	<b>130,000.00</b>	<b>-122,352.90</b>	<b>5.88%</b>	<b>7,647.10</b>	<b>130,000.00</b>	<b>-122,352.90</b>	<b>5.88%</b>
<b>3400 · MATERIALS &amp; SUPPLIES</b>												
3401 · Conduit, Meter, Valve & Misc	0.00				5,828.53	65,000.00	-59,171.47	8.97%	5,828.53	65,000.00	-59,171.47	8.97%
3402 · Buildings & Roads	0.00				6,194.73	15,000.00	-8,805.27	41.3%	6,194.73	15,000.00	-8,805.27	41.3%
3403 · Reservoirs	0.00				200.32	5,000.00	-4,799.68	4.01%	200.32	5,000.00	-4,799.68	4.01%
<b>Total 3400 · MATERIALS &amp; SUPPLIES</b>	<b>0.00</b>				<b>12,223.58</b>	<b>85,000.00</b>	<b>-72,776.42</b>	<b>14.38%</b>	<b>12,223.58</b>	<b>85,000.00</b>	<b>-72,776.42</b>	<b>14.38%</b>
<b>3500 · OTHER EXPENSES</b>												
3501 · Utilities	0.00				921.49	7,000.00	-6,078.51	13.16%	921.49	7,000.00	-6,078.51	13.16%
3502 · Uniforms	0.00				0.00	5,750.00	-5,750.00	0.0%	0.00	5,750.00	-5,750.00	0.0%
3503 · Communications	0.00				1,117.28	15,800.00	-14,682.72	7.07%	1,117.28	15,800.00	-14,682.72	7.07%
3504 · USA & Other Services	0.00				501.35	4,750.00	-4,248.65	10.56%	501.35	4,750.00	-4,248.65	10.56%
3505 · Miscellaneous	0.00				2,458.63	12,000.00	-9,541.37	20.49%	2,458.63	12,000.00	-9,541.37	20.49%
3506 · Training	0.00				0.00	3,000.00	-3,000.00	0.0%	0.00	3,000.00	-3,000.00	0.0%
<b>Total 3500 · OTHER EXPENSES</b>	<b>0.00</b>				<b>4,998.75</b>	<b>48,300.00</b>	<b>-43,301.25</b>	<b>10.35%</b>	<b>4,998.75</b>	<b>48,300.00</b>	<b>-43,301.25</b>	<b>10.35%</b>
4100 · LABOR - FISHERIES	109,008.61	755,458.00	-646,449.39	14.43%	0.00				109,008.61	755,458.00	-646,449.39	14.43%
<b>4200 · VEHICLES &amp; EQUIP - FISHERIES</b>												
4270 · Vehicle/Equip Mtce	3,707.10	30,000.00	-26,292.90	12.36%	0.00				3,707.10	30,000.00	-26,292.90	12.36%
4280 · Fixed Capital	1,342.57	50,000.00	-48,657.43	2.69%	0.00				1,342.57	50,000.00	-48,657.43	2.69%
4290 · Miscellaneous	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%
<b>Total 4200 · VEHICLES &amp; EQUIP - FISHERIES</b>	<b>5,049.67</b>	<b>82,500.00</b>	<b>-77,450.33</b>	<b>6.12%</b>	<b>0.00</b>				<b>5,049.67</b>	<b>82,500.00</b>	<b>-77,450.33</b>	<b>6.12%</b>

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

	Fisheries				Operations				TOTAL			
	Jul - Aug 21	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Aug 21	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Aug 21	Budget	\$ Over / (Under) Budget	% of Budget
<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	0.00	16,100.00	-16,100.00	0.0%	0.00				0.00	16,100.00	-16,100.00	0.0%
<b>Total 4220 · CONTRACT LABOR - FISHERIES</b>	<b>0.00</b>	<b>19,100.00</b>	<b>-19,100.00</b>	<b>0.0%</b>	<b>0.00</b>				<b>0.00</b>	<b>19,100.00</b>	<b>-19,100.00</b>	<b>0.0%</b>
<b>4300 · MATERIALS/SUPPLIES - FISHERIES</b>												
4390 · Miscellaneous	543.49	7,000.00	-6,456.51	7.76%	0.00				543.49	7,000.00	-6,456.51	7.76%
<b>Total 4300 · MATERIALS/SUPPLIES - FISHERIES</b>	<b>543.49</b>	<b>7,000.00</b>	<b>-6,456.51</b>	<b>7.76%</b>	<b>0.00</b>				<b>543.49</b>	<b>7,000.00</b>	<b>-6,456.51</b>	<b>7.76%</b>
<b>4500 · OTHER EXPENSES - FISHERIES</b>												
4502 · Uniforms	1,294.50	3,500.00	-2,205.50	36.99%	0.00				1,294.50	3,500.00	-2,205.50	36.99%
<b>Total 4500 · OTHER EXPENSES - FISHERIES</b>	<b>1,294.50</b>	<b>3,500.00</b>	<b>-2,205.50</b>	<b>36.99%</b>	<b>0.00</b>				<b>1,294.50</b>	<b>3,500.00</b>	<b>-2,205.50</b>	<b>36.99%</b>
<b>4999 · GENERAL &amp; ADMINISTRATIVE</b>												
5000 · Director Fees	0.00				1,112.80	12,400.00	-11,287.20	8.97%	1,112.80	12,400.00	-11,287.20	8.97%
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				8,947.00	75,000.00	-66,053.00	11.93%	8,947.00	75,000.00	-66,053.00	11.93%
5101 · Audit	0.00				937.63	22,750.00	-21,812.37	4.12%	937.63	22,750.00	-21,812.37	4.12%
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				4,187.71	33,326.00	-29,138.29	12.57%	4,187.71	33,326.00	-29,138.29	12.57%
5310 · Postage/Office Exp	0.00				487.87	6,000.00	-5,512.13	8.13%	487.87	6,000.00	-5,512.13	8.13%
5311 · Office Equip/Leases	0.00				760.98	13,440.00	-12,679.02	5.66%	760.98	13,440.00	-12,679.02	5.66%
5312 · Misc Admin Expenses	0.00				1,029.21	14,000.00	-12,970.79	7.35%	1,029.21	14,000.00	-12,970.79	7.35%
5313 · Communications	0.00				2,335.72	6,500.00	-4,164.28	35.93%	2,335.72	6,500.00	-4,164.28	35.93%
5314 · Utilities	0.00				1,612.25	9,737.00	-8,124.75	16.56%	1,612.25	9,737.00	-8,124.75	16.56%
5315 · Membership Dues	0.00				142.35	9,700.00	-9,557.65	1.47%	142.35	9,700.00	-9,557.65	1.47%
5316 · Admin Fixed Assets	0.00				0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
5318 · Computer Consultant	0.00				3,357.25	16,500.00	-13,142.75	20.35%	3,357.25	16,500.00	-13,142.75	20.35%
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				390.00	3,500.00	-3,110.00	11.14%	390.00	3,500.00	-3,110.00	11.14%
<b>Total 4999 · GENERAL &amp; ADMINISTRATIVE</b>	<b>0.00</b>				<b>25,465.30</b>	<b>237,453.00</b>	<b>-211,987.70</b>	<b>10.72%</b>	<b>25,465.30</b>	<b>237,453.00</b>	<b>-211,987.70</b>	<b>10.72%</b>
<b>5299 · ADMIN LABOR</b>	<b>0.00</b>				<b>105,769.57</b>	<b>620,531.00</b>	<b>-514,761.43</b>	<b>17.05%</b>	<b>105,769.57</b>	<b>620,531.00</b>	<b>-514,761.43</b>	<b>17.05%</b>
<b>5400 · GENERAL &amp; ADMIN - FISHERIES</b>												
5407 · Legal - FD	0.00	25,000.00	-25,000.00	0.0%	0.00				0.00	25,000.00	-25,000.00	0.0%
5410 · Postage / Office Supplies	268.08	4,000.00	-3,731.92	6.7%	0.00				268.08	4,000.00	-3,731.92	6.7%
5411 · Office Equipment / Leases	409.75	8,533.00	-8,123.25	4.8%	0.00				409.75	8,533.00	-8,123.25	4.8%
5412 · Misc. Admin Expense	819.43	7,500.00	-6,680.57	10.93%	0.00				819.43	7,500.00	-6,680.57	10.93%
5413 · Communications	1,257.70	4,455.00	-3,197.30	28.23%	0.00				1,257.70	4,455.00	-3,197.30	28.23%
5414 · Utilities	868.14	5,243.00	-4,374.86	16.56%	0.00				868.14	5,243.00	-4,374.86	16.56%
5415 · Membership Dues	76.65	6,200.00	-6,123.35	1.24%	0.00				76.65	6,200.00	-6,123.35	1.24%
5416 · Admin Fixed Assets	1,892.09	3,000.00	-1,107.91	63.07%	0.00				1,892.09	3,000.00	-1,107.91	63.07%
5418 · Computer Consultant	1,807.75	9,000.00	-7,192.25	20.09%	0.00				1,807.75	9,000.00	-7,192.25	20.09%
5425 · Employee Education/Subscription	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%
5426 · Director Fees	599.20	6,700.00	-6,100.80	8.94%	0.00				599.20	6,700.00	-6,100.80	8.94%
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%



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

	Fisheries				Operations				TOTAL			
	Jul - Aug 21	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Aug 21	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Aug 21	Budget	\$ Over / (Under) Budget	% of Budget
5431 · Public Information	210.00	1,500.00	-1,290.00	14.0%	0.00				210.00	1,500.00	-1,290.00	14.0%
5441 · Audit	504.87	12,250.00	-11,745.13	4.12%	0.00				504.87	12,250.00	-11,745.13	4.12%
5443 · Liab & Property Ins	2,254.92	17,745.00	-15,490.08	12.71%	0.00				2,254.92	17,745.00	-15,490.08	12.71%
<b>Total 5400 · GENERAL &amp; ADMIN - FISHERIES</b>	<b>10,968.58</b>	<b>116,426.00</b>	<b>-105,457.42</b>	<b>9.42%</b>	<b>0.00</b>				<b>10,968.58</b>	<b>116,426.00</b>	<b>-105,457.42</b>	<b>9.42%</b>
5499 · ADMIN LABOR-FISHERIES	38,715.83	258,029.00	-219,313.17	15.0%	0.00				38,715.83	258,029.00	-219,313.17	15.0%
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				7,790.89	150,000.00	-142,209.11	5.19%	7,790.89	150,000.00	-142,209.11	5.19%
6090 · COMB Office Building	0.00				49,476.38	216,000.00	-166,523.62	22.91%	49,476.38	216,000.00	-166,523.62	22.91%
6096 · SCC Structure Rehabilitation	0.00				0.00	390,000.00	-390,000.00	0.0%	0.00	390,000.00	-390,000.00	0.0%
6097 · GIS and Mapping	0.00				0.00	10,000.00	-10,000.00	0.0%	0.00	10,000.00	-10,000.00	0.0%
6100 · Watershed Sanitary Survey	0.00				4,253.06	12,050.00	-7,796.94	35.3%	4,253.06	12,050.00	-7,796.94	35.3%
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				5,810.00	352,000.00	-346,190.00	1.65%	5,810.00	352,000.00	-346,190.00	1.65%
6136 · SCC Isolation Valve Evaluation	0.00				2,319.00	400,000.00	-397,681.00	0.58%	2,319.00	400,000.00	-397,681.00	0.58%
6138 · Cachuma Watershed Mgmt Study	0.00				1,842.93	50,000.00	-48,157.07	3.69%	1,842.93	50,000.00	-48,157.07	3.69%
<b>Total 6000 · SPECIAL PROJECTS</b>	<b>0.00</b>				<b>90,417.26</b>	<b>1,600,050.00</b>	<b>-1,509,632.74</b>	<b>5.65%</b>	<b>90,417.26</b>	<b>1,600,050.00</b>	<b>-1,509,632.74</b>	<b>5.65%</b>
<b>6200 · FISHERIES ACTIVITIES</b>												
6201 · FMP Implementation	0.00	35,000.00	-35,000.00	0.0%	0.00				0.00	35,000.00	-35,000.00	0.0%
6202 · GIS and Mapping	0.00	10,000.00	-10,000.00	0.0%	0.00				0.00	10,000.00	-10,000.00	0.0%
6205 · USGS Stream Gauge Program	0.00	105,000.00	-105,000.00	0.0%	0.00				0.00	105,000.00	-105,000.00	0.0%
6207 · Oak Tree Restoration Program	0.00	25,000.00	-25,000.00	0.0%	0.00				0.00	25,000.00	-25,000.00	0.0%
<b>Total 6200 · FISHERIES ACTIVITIES</b>	<b>0.00</b>	<b>175,000.00</b>	<b>-175,000.00</b>	<b>0.0%</b>	<b>0.00</b>				<b>0.00</b>	<b>175,000.00</b>	<b>-175,000.00</b>	<b>0.0%</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-EPPF	0.00				115.47	0.00	115.47	100.0%	115.47	0.00	115.47	100.0%
<b>Total Expense</b>	<b>\$ 165,580.68</b>	<b>\$ 1,427,013.00</b>	<b>\$ (1,261,432.32)</b>	<b>11.6%</b>	<b>\$ 392,074.62</b>	<b>\$ 3,865,221.00</b>	<b>\$ (3,473,146.38)</b>	<b>10.14%</b>	<b>\$ 557,655.30</b>	<b>\$ 5,292,234.00</b>	<b>\$ (4,734,578.70)</b>	<b>10.54%</b>
<b>Net Surplus / Deficit</b>	<b>\$ 184,183.32</b>	<b>\$ -</b>	<b>\$ 184,183.32</b>	<b>100.0%</b>	<b>\$ 568,392.94</b>	<b>\$ -</b>	<b>\$ 568,392.94</b>	<b>100.0%</b>	<b>\$ 752,576.26</b>	<b>\$ -</b>	<b>\$ 752,576.26</b>	<b>100.0%</b>

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	September 27, 2021
Submitted by:	Janet Gingras

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**SUBJECT:** Investment Report – August 31, 2021

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### **RECOMMENDATION**

The Board of Directors receive and file the Cachuma Operation & Maintenance Board Investment Report as of August 31, 2021.

### **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 August 2021, is reported at 0.221%.

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	7/31/2021	\$	1,194,079.57
(+) Deposits/Credits			920,000.00
(-) Checks/Withdrawals			-
Statement Balance	8/31/2021	\$	2,114,079.57

#### Restricted Cash


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

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

Table 2			
Restricted Reserve Funds			
American Riviera Bank Renewal Account			
Previous Balance	7/31/2021	\$	15,031.82
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	8/31/2021	\$	15,031.82
American Riviera Bank Warren Act Trust Fund			
Previous Balance	7/31/2021	\$	87,854.72
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	8/31/2021	\$	87,854.72

**STATEMENT**

The above statement of investment activity for the month of August 2021, 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 August 31, 2021

Date	Num	Name	Memo	Amount
<b>1050 - General Fund</b>				
08/04/2021	28705	Aspect Engineering Group	SCADA Upgrade - Upgrade PLCs 5, 6 & 8 (Ops)	-5,085.18
08/04/2021	28706	Association of Ca Water Agencies/JPIA	September Health Benefits Premium	-31,003.41
08/04/2021	28707	AT&T	Long Distance 6/28-07/27/21	-37.79
08/04/2021	28708	Carpinteria Valley Lumber Company	Supplies (Ops)	-19.59
08/04/2021	28709	Channel City Lumber	COMB Building Replacement Project - Lumber	-1,738.88
08/04/2021	28710	City of Santa-Barbara	Trash / Recycling July 2021	-304.75
08/04/2021	28711	County of Santa Barbara Water Agency Dept	IRWM Share of Cost 1/1/21-6/30/21	-2,445.75
08/04/2021	28712	E.H. Wachs	Valve Repair (Ops)	-1,761.73
08/04/2021	28713	Employee Relations, Inc.	Background Check (Fisheries)	-161.94
08/04/2021	28714	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality Sampling (Ops)	-950.00
08/04/2021	28715	Famcon Pipe & Supply	South Coast Conduit Materials (Ops)	-375.38
08/04/2021	28716	Frontier Communications	Phone Service - North Portal (Ops)	-63.66
08/04/2021	28717	Grainger	COMB Building Replacement Project - No Parking Signs	-199.88
08/04/2021	28718	Hayward Santa Barbara	Supplies (Ops)	-62.96
08/04/2021	28719	Home Depot Credit Services	Supplies and COMB Trailer Replacement (Ops & Fisheries)	-1,256.33
08/04/2021	28720	Milpas Rental	COMB Building Replacement Project - Trenching Equipment Rental	-223.56
08/04/2021	28721	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 7/6/21 & 7/23/21	-211.40
08/04/2021	28722	Sansum Clinic-Occupational Medicine	Pre-Employment Physical (Fisheries)	-339.00
08/04/2021	28723	Southern California Edison	Electricity - Main & Outlying Stations	-1,504.12
08/04/2021	28724	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee - August 2021	-189.85
08/04/2021	28725	Wright Express Fleet Services	Fleet Fuel July 2021 (Ops & Fisheries)	-2,041.01
08/04/2021	28726	Zac Gonzalez Landscaping & Tree Care	Landscape Maintenance July 2021	-480.00
08/16/2021	28727	Advanced Cable Systems	Board Room Phone & Data Cables	-475.00
08/16/2021	28728	Aspect Engineering Group	SCADA Upgrade - Upgrade PLC 6 (Ops)	-4,650.00
08/16/2021	28729	Bend Genetics, LLC	Lake Cachuma Water Quality Sampling	-80.00
08/16/2021	28730	Cabela's LLC/Bass Pro LLC	Waders & Wading Boots (Fisheries)	-1,294.50
08/16/2021	28731	Channel City Lumber	Supplies (Ops)	-592.70
08/16/2021	28732	Coastal Copy, LP	Copier Maintenance - Kyocera Taskalpas 3253ci & 6052ci	-165.44
08/16/2021	28733	County of Santa--Barbara	Waste Disposal Fees (Ops)	-227.88
08/16/2021	28734	Cox Communications Santa Barbara	Business Internet August 2021	-155.41
08/16/2021	28735	Federal Express	Shipping (Ops)	-280.16
08/16/2021	28736	Geosyntec Consultants	Watershed Sanitary Survey - Professional Services	-4,253.06
08/16/2021	28737	Impulse Advanced Communications	Phone Service - Main Office	-854.35
08/16/2021	28738	J&C Services	Office Cleaning Service - Weekly 7/16-8/06/21	-680.00
08/16/2021	28739	Peter Lapidus Construction, Inc.	COMB Building Replacement Project - Demolition of Existing Trailers	-22,245.00
08/16/2021	28740	Premiere Global Services	Conference Calls July 2021	-26.62
08/16/2021	28741	Securitas Electronic Security	Security System Installation	-3,571.09
08/16/2021	28742	Sherwin Williams Co.	Paint Supplies (Ops)	-259.03
08/16/2021	28743	Southern California Edison	Electricity - 1700 Glen Annie Rd Gate (Ops)	-14.74
08/16/2021	28744	Sparkletts	Operations Safety	-146.69
08/16/2021	28745	Total Compensation Systems, Inc.	GASB 75 Roll-Forward Valuation - 2st Installment	-742.50
08/16/2021	28746	Turenchalk Network Services, Inc.	Acer Enduro N3 Laptop (Fisheries)	-1,342.57
08/16/2021	28747	Turenchalk Network Services, Inc.	Dell Precision 3240 Tower Computer (Fisheries)	-1,504.19
08/16/2021	28748	Turenchalk Network Services, Inc.	Firewall Support Subscription	-479.00
08/16/2021	28749	Turenchalk Network Services, Inc.	Monitors for Fisheries Workstation	-387.90
08/16/2021	28750	Turenchalk Network Services, Inc.	Network Support July 2021 (Ops & Fisheries)	-4,686.00
08/16/2021	28751	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee - July 2021	-191.50
08/16/2021	28752	Verizon Wireless	Cell Phones, Modems & iPads (Ops)	-774.68
08/16/2021	28753	All Around Landscape Supply	COMB Building Replacement - PVC Supplies	-61.06
08/23/2021	28754	American Riviera Bank - Card Service	Website Hosting, Subscriptions & Supplies (Ops & Fisheries)	-1,122.70
08/23/2021	28755	Channel City Lumber	COMB Building Replacement Project - Deck & Ramp Supplies	-83.98
08/23/2021	28756	Cushman Contracting Corp.	EPFP Pumping System - Pay Req #88	-3,500.00
08/23/2021	28757	Grainger	Combination Blower & Mulching Vacuum (Ops)	-306.66
08/23/2021	28758	Ian's Tire & Auto Repair	Ford F-150 Rear Tires (Fisheries)	-386.90
08/23/2021	28759	MarBorg Industries	Portable Facilities - Outlying Stations (Ops)	-387.92
08/23/2021	28760	PG&E	Electricity - Tecolote Tunnel	-24.64
08/23/2021	28761	Securitas Electronic Security	Security System Monitoring	-120.00
08/23/2021	28762	Winema Industrial & Safety Supply	First Aid Supplies (Ops & Fisheries)	-14.12

**Cachuma Operation & Maintenance Board**

**Paid Claims**

As of August 31, 2021

<b>Date</b>	<b>Num</b>	<b>Name</b>	<b>Memo</b>	<b>Amount</b>
08/27/2021	28763	Advanced Cable Systems	COMB Building Replacement Project - Data Cable Install	-7,015.00
08/27/2021	28764	All Around Landscape Supply	COMB Building Replacement - Supplies	-26.58
08/27/2021	28765	Bedrock Building Supplies	Supplies - Lauro Reservoir (Ops)	-200.32
08/27/2021	28766	Cori Hayman	Director Meeting Fees August 2021	-150.00
08/27/2021	28767	ECHO Communications	Message Service August 2021	-71.00
08/27/2021	28768	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality Sampling	-1,950.00
08/27/2021	28769	Famcon Pipe & Supply	South Coast Conduit Materials - Gate Valve (Ops)	-3,719.25
08/27/2021	28770	Flowers & Associates, Inc.	SCC Carp Line Valves - Engineering Services	-6,026.50
08/27/2021	28771	Grainger	Supplies (Ops)	-147.87
08/27/2021	28772	Harrison Hardware	Supplies (Fisheries)	-84.84
08/27/2021	28773	Kristen Sneddon	Director Meeting Fees August 2021	-150.00
08/27/2021	28774	Lauren W. Hanson	Director Meeting Fees August 2021	-450.00
08/27/2021	28775	PG&E	Electricity - North Portal	-364.68
08/27/2021	28776	Polly Holcombe	Director Meeting Fees August 2021	-384.00
08/27/2021	28777	Powell Garage	2003 Ford F-150 Brake Pad Replacement (Fisheries)	-939.92
08/27/2021	28778	Southern California Edison	Electricity - 4120 Foothill PED (Ops)	-14.17
08/27/2021	28779	Staples Business Credit	Office Supplies (Ops & Fisheries)	-424.82
08/27/2021	28780	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 3253ci	-123.98
08/27/2021	28781	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 6052ci	-276.23
Total 1050 · General Fund				<u>-129,063.32</u>
<b>TOTAL</b>				<b><u>-129,063.32</u></b>

**APPROVALS**

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# CACHUMA OPERATION & MAINTENANCE BOARD

## Lake Cachuma Oak Tree Committee Meeting

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Thursday, September 2, 2021

1:00 PM

### AGENDA

Chair: Director Hayman

Member: Director Sneddon

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. Lake Cachuma Oak Tree Restoration Program Annual Update - Fiscal Year 2021-22 (*for information and possible recommendation*)
4. Adjournment

#### NOTICE TO THE PUBLIC

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

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

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

# CACHUMA OPERATION & MAINTENANCE BOARD

## Administrative Committee Meeting

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Thursday, September 16, 2021  
10:00 A.M.

### AGENDA

Chair: Director Holcombe  
Member: Director Hanson

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter within the Committee's jurisdiction*)
3. Personnel Policy and Employee Handbook Update (*for information and possible recommendation*)
4. Public Meetings Status Update (*for information and possible recommendation*)
5. Adjournment

#### NOTICE TO THE PUBLIC

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

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

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



# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	September 27, 2021
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

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**SUBJECT:**      **Personnel Policy and Employee Handbook Update**

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**RECOMMENDATION:**

The Board of Directors review an update to the COMB Personnel Policy and Employee Handbook and provide direction to staff, as appropriate, and receive and file.

**DISCUSSION:**

In February 2020, COMB staff developed a new Personnel Policy and Employee Handbook. The document serves as a reference manual for new and current employees and contains useful information concerning responsibilities and expectations, employee benefits as well as state and federal employment regulations. It is COMB's policy to update the handbook on a periodic basis in order to ensure compliance with new employment laws and changes to personnel policies.

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

The attached vaccination policy was developed to provide an avenue to safeguard the health of our current employees, our Member Agencies and members of the public from infectious diseases such as COVID-19 that may result in a global pandemic as declared by the World Health Organization (WHO), Centers for Disease Control and Prevention (CDC) and / or local health authorities. This policy is in addition to COMB's COVID safety protocols currently in place as recommended by the CDC, Cal-OSHA, the Santa Barbara County Health Department and COMB's COVID-19 Preparedness and Response Plan.

On August 17, 2021, the COMB Administrative Committee reviewed the draft COMB Vaccination Policy, and after providing comments, forwarded it to the COMB Governing Board for review and consideration.

On August 23, 2021, the COMB Governing Board was provided the draft COMB Vaccination Policy and provided direction to staff and COMB legal counsel and requested that the policy be brought back at a future meeting for further discussion.

Staff, with the assistance of COMB legal counsel, revised the COMB Vaccination Policy and submitted it to the COMB Administrative Committee at their meeting on September 16, 2021.

**COMMITTEE STATUS:**

The Administrative Committee reviewed the revised update to the COMB Personnel Policy and Employee Handbook and forwards to the Board of Directors with a recommendation to receive and file.

**LEGAL CONCURRENCE:**

This policy update to the COMB Personnel Policy and Employee Handbook has been reviewed by COMB legal counsel and ACWA/JPIA legal counsel.

**LIST OF EXHIBITS:**

1. COMB Vaccination Policy
2. Letter from Musick, Peeler & Garrett LLP

### 3.11 VACCINATION POLICY

In accordance with COMB's policy to provide and maintain a workplace that is free of known hazards, this policy has been adopted to safeguard the health of our employees and their families, our Member Agencies and members of the public from infectious diseases such as COVID-19, that may result in a global pandemic, as declared by the World Health Organization (WHO), Centers for Disease Control and Prevention (CDC) and/or local health authorities. This policy complies with all applicable laws and is based on guidance from the WHO, CDC and local health authorities, as applicable.

COMB may, at its discretion, require employees to receive vaccinations against certain viruses following a declared global pandemic, as guided by directives and guidelines issued by the WHO, CDC and/or local health authorities, unless a reasonable accommodation (based on medical and/or religious reasons) is approved by COMB.

#### **Procedures**

Employees will be notified by COMB as to the type of vaccination(s) covered by this policy (global pandemic declared emergencies) and the timeframe(s) for having the vaccine(s) administered. COMB will provide a list of locations to assist employees in receiving the vaccine.

COMB will pay for all vaccinations. Vaccinations should be run through employees' health insurance where applicable and/or otherwise submitted to COMB for reimbursement.

All employees will be paid for time taken to receive vaccinations. Employees are to coordinate with their managers to schedule appropriate time to comply with this policy.

Under this policy, employees will be required to provide either proof of vaccination acceptable to COMB or submit a request for reasonable accommodation to the COMB General Manager or Administrative Manager / CFO within the predetermined timeframe.

#### **Reasonable Accommodation**

Employees in need of an exemption from this policy due to a medical reason, or because of a sincerely-held religious belief or practice, must submit a completed Request for Accommodation form to the human resources department to begin the interactive accommodation process as soon as possible after vaccination deadlines have been announced. Accommodations will be granted where they do not cause undue hardship or pose a direct threat to the health and safety of others.

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# MusickPeeler

## ATTORNEYS AT LAW

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**DATE:** September 27, 2021

**FROM:** William W. Carter, Esq., MPG

**RE:** **Vaccination Policy – Amendment to Conditions of Employment**

**I. Question:** Whether a public agency can mandate vaccinations for employees to combat infectious diseases causing a global pandemic, such as COVID-19, consistent with recommendations issued by the Center for Disease Control ("CDC") and other state and local health authorities?

**II. Answer:** Yes: a public agency may mandate such vaccinations.

In doing so, the public agency must adhere to the anti-discrimination provisions and protections of the Americans with Disabilities Act, ("ADA"), Title VII of the Civil Rights Act of 1964 (e.g., protecting employees against discrimination based on certain specified characteristics: race, color, national origin, sex and religion), the California Fair Employment and Housing Act ("FEHA") and constitutional claims for failing to accommodate employees who object for religious and medical reasons. A public agency must also do so in a manner that does not generally discriminate against or adversely impact a protected class of individuals (based on race, color, religion, sex, including pregnancy, sexual orientation and gender identity, national origin, age or genetic information).

**III. Analysis:**

**A. Employees**

In response to a declared pandemic or public health threat, such as COVID-19, it is legally permissible for an employer, including a public agency, to mandate such vaccinations for its employees. For example, in California, certain institutions, such as K-12 schools and health care providers, are subject to public health orders mandating COVID-19 vaccinations for employees.

Such a mandate, however, requires a public agency to comply with the protections provided under the ADA, Title VII and/or FEHA, including the applicable religious and/or medical grounds exemptions.

## **B. Religious Exemption**

Once a religious exemption is asserted, the issue is determining the definition of “religious belief.” Both Title VII and the FEHA prohibit discrimination based on religion, and require employers to make reasonable accommodation for employees’ religious beliefs associated with traditional religion, as well as religious “observances and practices.” (42 U.S.C. §§ 2000e-2(a)(1), 2000e(j); Cal. Gov. Code § 12940(a)(d),(1)).

The employee must demonstrate that he/she holds a bona fide religious belief and that the belief conflicts with an employment duty. A violation of applicable law is established if the employer takes any adverse action based on the employee’s inability to comply with the employer’s directives.

Under both statutes, the term “religion” is broadly defined and includes all aspects of religious belief, observance and practice. Under the Equal Employment Opportunity Commission (“EEOC”) Guidelines, “religious practices” also include moral or ethical beliefs about what is right and wrong that are sincerely-held with the strength of a traditional religious view. (29 C.F.R. § 1605.1).

Once the employee notifies the employer of a need for religious accommodation, the employer must provide a reasonable accommodation if an employee’s sincerely held religious belief, practice or observance prevents him/her from receiving a vaccine – unless it would pose an undue hardship on the employer under Title VII. (*see* 20 C.F.R. § 1605.2; *see also* *What You Should Know About Covid-19 and the ADA Rehabilitation Act and Other EEOC Laws*, Equal Employment Opportunity Commission (updated May 28, 2021) <https://www.eeoc.gov.wysk/what-you-should-know-about-covid-19-and-ada-rehabilitation-act-and-other-eeo-laws>).

The EEOC Guidelines provide that employers should assume that an employee’s request for religious accommodation is based on a *sincerely-held* religious belief. However, if an employee requests a religious accommodation, and an employer is aware of facts that provide an objective basis for questioning either the religious nature or the sincerity of a particular belief, practice or observance, the employer would be justified in requesting supporting information.

Thus, if an employee requests an exemption on religious grounds, the employer should presume the objection is made in good faith, absent objective facts indicating otherwise, and thereafter undertake efforts to provide a reasonable accommodation for the employee.

## **C. Medical Exemption**

Similar to the religious exemption, some employees may claim medical conditions that prevent them from receiving a particular vaccine. If an employee asserts a medical objection to a required vaccine, the ADA and FEHA require the employer to first determine whether the employee has an underlying condition impacting his/her ability to receive the vaccine and if so, must thereafter start the interactive process and thereby, provide a reasonable accommodation to the employee. The employer must provide a reasonable accommodation unless doing so creates an undue hardship for

the employer. In sum, the employee should be accommodated, so long as the accommodation does not pose an undue hardship for the employer.

Thus, if an employee objects on medical grounds, a public agency should implement protocols for documenting the medical objection and undertake efforts to accommodate the employee. Such a protocol should also include a statement from a physician as to the duration of the medical condition that prohibits the taking of any particular vaccine.

#### **D. Reasonable Accommodation**

Examples of reasonable accommodation for employees that cannot receive a required vaccination include facial coverings, social distancing, modified work schedules, periodic testing for the disease, such as COVID-19, remote working and/or reassignment. Under the recent California public health order applicable to employees at K-12 schools and those involved in healthcare, employees that object on either religious or medical grounds must (1) be tested weekly; and (2) wear a surgical mask or higher-level respirator approved by the National Institute of Occupational Safety and Health ("NIOSH"), such as an N95 filtering facepiece respirator, at all times when on the premises of the workplace.

It is also important to note that under both Title VII and FEHA, mandates cannot be implemented in a manner that treats employees differently based on disability, race, color, religion, sex (including pregnancy, sexual orientation and gender identity), national origin, age or genetic information.

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	September 27 2021
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

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**SUBJECT:** Lake Cachuma Oak Tree Restoration Program – Fiscal Year 2021-22

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**RECOMMENDATION:**

The Board of Directors receive information on the Lake Cachuma Oak Tree Restoration Program (Program) and approve the proposed program of work for Fiscal Year 2021-22.

**SUMMARY:**

The Lake Cachuma Oak Tree Restoration Program 2020 Annual Report contains the results of the 2020 annual tree inventory of all planted mitigation oak trees since the Program started in 2005 (which includes 12 planting years) and the Fiscal Year 2020-2021 financial and water usage details. The results of the 2015 Lakeshore Survey set the mitigation number for the Lake Cachuma Oak Tree Restoration Program at 4,721 alive and self-sustaining trees in 2025 (20 years into the Program). This number included the established mitigation ratio of two to one (2:1) (alive to dead plus at-risk trees in 2015) and an 18% mortality rate that was determined from the 2015 and 2016 annual survey reports. As of the end of this year's inventory, 5,350 oak trees have been planted (and 57 trees have been adopted for a total of 5,407 trees) and 4,341 are alive which is a survival rate of 80.28%. The number of mitigation trees still to be planted is **380** trees (mitigation number minus total alive trees). The cost of the program during Fiscal Year 2020-21 was \$119,113 which included consultant costs, staff time plus burden, materials and supplies for the planting of trees, and operation and maintenance of the entire program of work. Water usage for irrigation during the year was 1.54 acre-feet.

The COMB Lake Cachuma Oak Tree Committee reviewed the Report on 9/2/21 and recommended that 300 new trees be planted for the current fiscal year and 80 dead trees be replaced at the beginning of the winter when favorable planting conditions exist. The cost to implement the Committees' recommendation is included within the COMB Fiscal Year 2021-22 adopted operating budget.

**FISCAL IMPACT:**

The current Fiscal Year 2021-22 COMB Operating Budget includes \$25,000 for the Oak Tree Restoration Program which provides for consultant work and materials and supplies.

**COMMITTEE STATUS:**

The Lake Cachuma Oak Tree Committee reviewed the Draft 2020 Annual Lake Cachuma Oak Tree Program Report with Fiscal Year 2020-21 financials and water use information, and forwards to the Board a recommendation to approve the program of work outlined for Fiscal Year 2021-22.

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Mission Statement:

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

September 27, 2021

## **General Manager Report**

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

### Administration

- **Brown Act and Public Meetings**

On March 17, 2020, California Governor Gavin Newsom issued Executive Order N-29-20 (amending Executive Order N-25-20 in part) as part of a series of emergency measures in response to the novel COVID-19 pandemic. Executive Order N-29-20 allowed local or state legislative bodies to hold meetings via video and teleconference and to make meetings accessible electronically to the public without violating the open meeting laws.

The Governor issued Executive Order N-08-21 on June 11, 2021, establishing an end date to the previous order. Barring any new legislation, all public agencies would be required to return to full Brown Act compliance, holding in-person meetings and providing for public in-person attendance and participation as of September 30, 2021.

On September 16, 2021, Governor Newsom signed legislation, Assembly Bill 361 (effective October 1, 2021), which allows public agencies to meet remotely, much the same as they have been under the Governor's Executive Orders related to COVID-19. This legislation essentially extends the Governor's Executive Order provisions on the Brown Act beyond the September 30<sup>th</sup> rescission date.

AB 361 allows the following:

- While maintaining transparency and public access, local agencies would be able to meet remotely during a declared state of emergency
- While agencies would still be required to post agendas and meeting information, agencies would not be required to post meeting notices and/or agendas at all teleconference locations when remotely meeting during an emergency
- While the public must continue to have access to the remote meeting and provided the ability to make public comment, agencies would not be required to make all remote meeting sites accessible to the public, nor include the remote location details in the meeting notice or agenda during a declared state of emergency
- Additionally, agency board members would not be required to be at remote sites within the territorial bounds of the agency during a declared state of emergency

Prior to the execution of AB 361 and in preparation to return to public meetings, staff explored various safety protocols to implement which could include indoor masking requirements regardless of vaccination status. Indoor facilities would be configured to provide social distancing of three to six feet. COMB would require that anyone experiencing symptoms of illness to stay home.

Hand sanitizing stations and face masks would be made available for Directors, staff and the public as needed. Staff has researched the effectiveness and costs of air purifiers which utilize both HEPA and Activated Carbon filters. These purifiers also sanitize the air to remove biological hazards via ultra violet light and ionizers. Staff plans to purchase an appropriate number of these purifiers as necessary, based on the size of the Board room.

In response to changes in the pandemic landscape, COMB may institute other safety measures as well to protect the safety of all in attendance at any COMB public meeting. Staff will notice these protocols and requirements in the future for meeting attendance beginning with all meetings required to be held in-person.

AB 361 will sunset by its own provisions on January 1, 2024, allowing additional legislative orders to be issued in the interim, if necessary, depending on evolving circumstances. COMB will continue to meet via teleconference until such time legislation dictates in-person meetings.

### Personnel

- **Staff Training**

Management staff participated in sexual harassment prevention training held virtually and presented by ACWA/JPIA. The two hour program satisfies California requirements for management training as established by AB 1825, AB 2053 and AB 1661. In addition to the sexual harassment prevention training for managers, COMB administrative staff participated in a series of webinars hosted by ACWA JPIA regarding the upcoming 2022 employee and retiree health insurance and benefit open enrollment.

Operations Division personnel provided a training presentation to Reclamation for their Emergency Action Plan Functional Exercise which will be conducted in the near term. Participants for the actual functional exercise will include the Santa Barbara County and State of California Office of Emergency Management staff and various local first responders. The objective of the exercise (hydrologic event) will be for all participating agencies to become familiar with and practice the emergency action plan scenario at high-risk facilities and evaluate coordination between operators, water districts, emergency services, first responders, and downstream stakeholders.

### Virtual Meetings

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

On September 2, 2021, COMB staff participated in the Santa Barbara County Operational Area (OA) Emergency Managers Committee meeting. The OA partners received a presentation from the CalOES representative for Emergency Management Mutual Aid (EMMA) training. EMMA provides emergency management personnel and technical specialists to support disaster operations of affected jurisdictions during an emergency without imposing additional financial burden on the impacted jurisdiction. This system has been established to access resources beyond the depth of the affected agency and local first responders.

As part of the Standardized Emergency Management System (SEMS) process, the Operational Area (OA) becomes the collection point for EMMA resource requests. During emergencies, the county, cities and special districts forward their requests for EMMA through their OA. The OA is responsible for coordinating EMMA within its jurisdiction supplementing any existing local mutual aid agreements, protocols, and/or standard operating processes. The OA will act as the coordination point between the county, cities and special districts and the Cal OES Administrative Region (REOC).

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

The IRWMP cooperating partners attended a virtual meeting hosted by Jane Gray of Dudek on Monday, September 20<sup>th</sup>. The Legacy group presented a pilot web-based Drinking Water Quality Dashboard of all registered water systems in the County. Carpinteria Valley Water District presented elements of the proposed intertie project running from Lake Casitas to Carpinteria which is currently in the design phase. Jane Gray provided a recap on local funding and requested updates to all proposed projects for consideration.

General Manager Report  
September 27, 2021

Respectfully Submitted,

*Janet Gingras*

General Manager

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## CACHUMA OPERATION AND MAINTENANCE BOARD

### MEMORANDUM

**DATE:** September 27, 2021  
**TO:** Janet Gingras, General Manager  
**FROM:** Joel Degner, Engineer/Operations Division Manager  
**RE: MONTHLY ENGINEERING REPORT**

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

#### **CLIMATE CONDITIONS**

The U.S. Drought Monitor classification for the South Coast of Santa Barbara County continues to be categorized as extreme with the majority of the State of California in exceptional drought (as of 9/14/21). The Santa Barbara County-wide rainfall is 48 percent of normal. The National Weather Service Climate Prediction Center projects a transition from neutral to La Niña conditions in the next few months with a 70 to 80 percent chance of La Niña during the Northern Hemisphere winter 2021-22. La Niña conditions in general result in less than average rainfall and inflow into Lake Cachuma.

#### **LAKE ELEVATION PROJECTION**

Lake Cachuma is currently at 50.2% capacity (714.18' in elevation and 97,069 acre-feet in storage as of 9/19/21). Santa Barbara County Water Agency has contracted with MNS Engineers, Inc. to update the bathymetric survey of the lake. The field work for the study (survey, aerial photography, and bathymetric transects) have been completed. The draft results of the 2021 bathymetric survey results may be available as early as October 2021. The previous survey was completed in 2013. Figure 1 provides the lake elevation projection if dry conditions continue. These modeling projections utilize hydrology from water year 2012-2013. Figure 2 provides lake elevation projections given the hydrology of previous years and are repeated from 2000-2020. The downstream release for Santa Ynez River Water Conservation District began on August 2<sup>nd</sup> as planned. The anticipated amount to be released by Santa Ynez River Water Conservation District is estimated to be approximately 5,000 to 6,000 AF for an Above Narrows release.

#### **LAKE WATER QUALITY**

COMB staff continues to sample for water quality constituents on a monthly basis at the Lake Cachuma North Portal Intake Tower according to the sampling schedule. Lab results have been non-detect at all depths for algal toxins in 2021. Algal toxin sampling will conclude after October 2021 results are received, as colder water temperatures limit significant algal growth from occurring. Conditions will continue to be monitored via buoy, satellite, and in-person during monthly water quality sampling and other site visits. Over two years of supplemental data has been collected thus far, originally recommended by consultants in 2019, which has greatly advanced understanding of nutrient (nitrogen and phosphorus) dynamics.

#### **OPERATIONS DATA COLLECTION**

COMB is in the process of improving efficiencies for operations in-field data collection. Electronic safety and inspection forms are now available for operations staff to populate using a tablet, reducing paperwork and office data entry. Staff will continue to investigate ways to improve efficiency, including the use of ArcGIS Field Maps, which is included in our current licensing.

Parameter	Optimistic	Realistic	Conservative
SCC Exports	80% Forecast	Forecast	120% of Forecast
CCWA Inflow	120% Forecast	Forecast	80% of Forecast
WR 89-18 Release (2021)	5,000 AF	6,000 AF	7,000 AF
WR 89-18 Release (2022)	12,000 AF	12,000 AF	12,000 AF

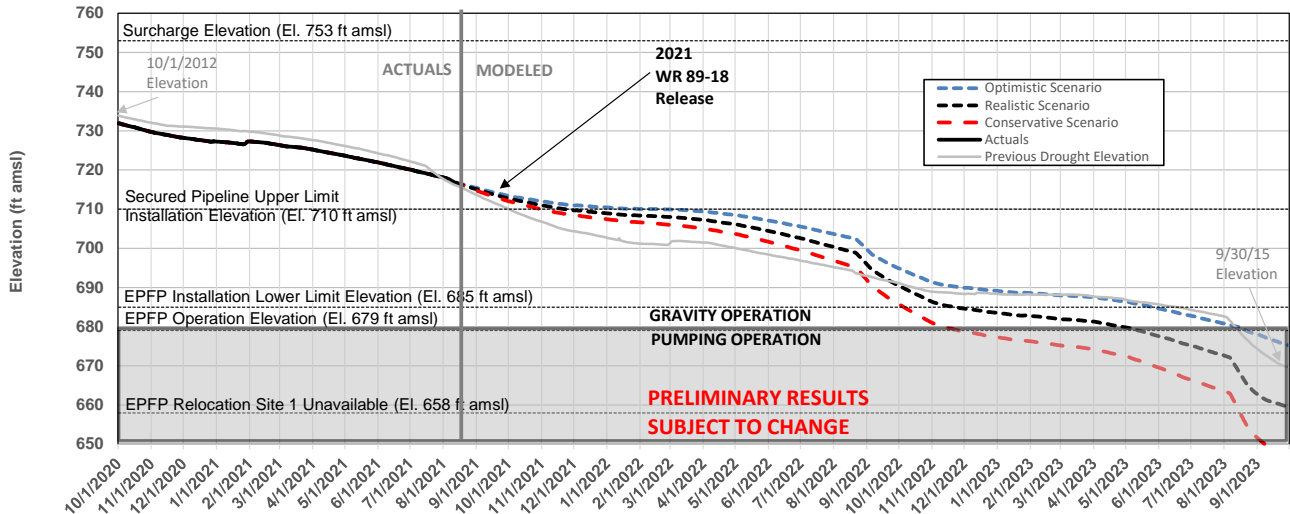


Figure 1. Projected Lake Cachuma Elevation assuming Continued Dry Conditions

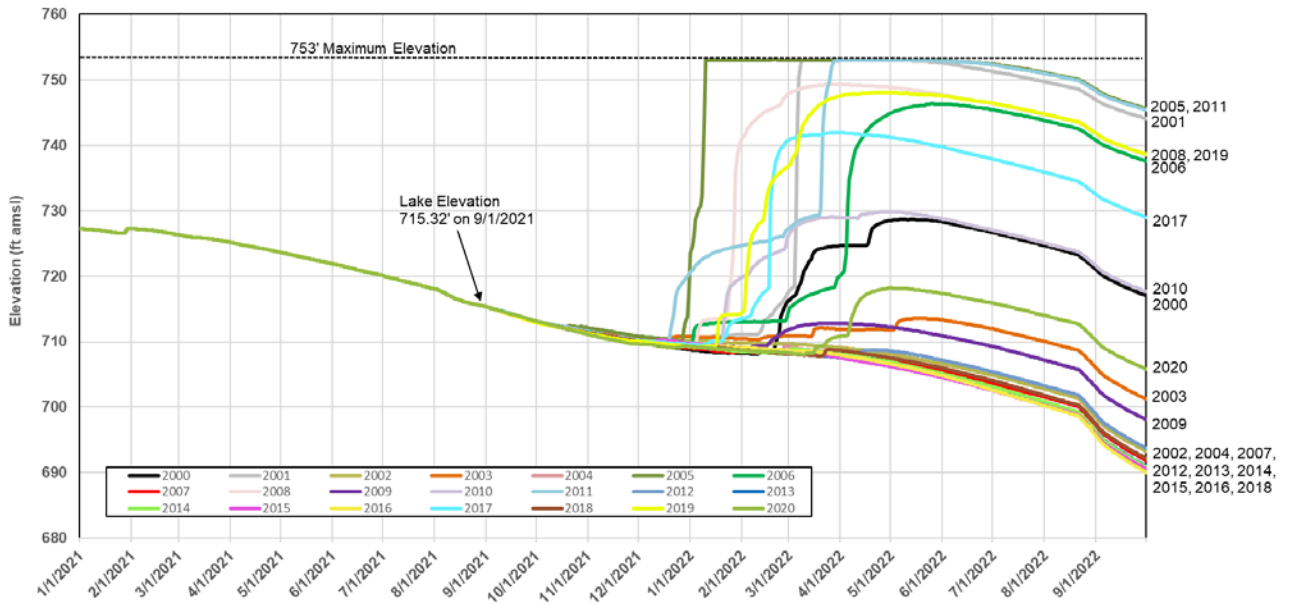


Figure 2. Projected Lake Cachuma Elevations assuming 2000-2020 Repeat Hydrology

**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. PLC 9 remains to be replaced and it will be completed in collaboration with CVWD PLC work.	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	Existing modular offices were removed by Peter Lapidus Construction. New modular offices have been installed by API. All utilities have been installed. COMB operations staff is re-constructed the walkway, ramp, and stairs between the offices.	COMB Admin and Fisheries modular offices will be replaced in-kind to limit complexity and challenges of construction.	Modular buildings installation will be completed by the end of August.
SCC Structure Rehabilitation : AVAR/BO Valves	Eight structures remain to be rehabilitated. COMB staff visited the remaining structures with Cushman Contracting and requested pricing for planned work for FY 2021-22 based on the previous schedules of work completed for the AVAR-BO Rehabilitation.	The remaining structures to be rehabilitated are the most difficult access-wise (with several in Highway 192) and difficult shutdowns to schedule in the Carpinteria area.	Shutdowns need to be coordinated with Reclamation and CVWD. Construction is planned for February/March.
SCC Line Valves for Shutdown	The La Mirada Line Valve Project has been released for bid with bids due at the end of September. COMB has received Caltrans permit and Reclamation MP-620 approval for the project.	Additional line valve(s) are needed in Carpinteria to facilitate shutdown work. A Cooperative Agreement between CVWD and COMB is proposed to facilitate the work which will require approval by COMB's board.	Construction likely occur in Fall/Winter (Nov to Jan) of 2021.
SCC Structure Rehabilitation : Lower Reach Laterals	COMB/CVWD have reviewed the updated designs and final designs are being prepared. Bid documents will likely be released at the end of September.	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 CVWD and likely to commence in Fall/Winter 2021/2022.
<b>Special Projects</b>			
Emergency Pumping Facility - Secured Pipeline Project	For the existing EPFP 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. Engineering designs have been submitted to Reclamation for their MP620 review for the Secured Pipeline Project. Reclamation is in the process of conducting the NEPA review. COMB has requested proposal for bid-phase engineering services.	The elevation of the lake The lake elevation is projected to remain above 685' until the Fall 2022. Installation of the EPFP is needed when the elevation is projected to fall below 685'. The Secured Pipeline Project could be installed in the Spring/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 draft survey report which was reviewed by the agencies involved. Geosyntec is preparing the final report which should be available by the end of September.	The update is a collaborative effort with COMB's member agencies, Santa Ynez, and the City of Lompoc.	Sanitary Survey is due by October 2021.
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. COMB staff has prepared a draft REP for the Phase 2 phosphorous/TOC source study. An updated bathymetric survey is currently being conducted by MNS Engineers through Santa Barbara County Water Agency.	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 and bathymetric survey through the Coutny is planned for FY 2021/2022

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## CACHUMA OPERATION AND MAINTENANCE BOARD

**DATE:** September 27, 2021  
**TO:** Janet Gingras, General Manager  
**FROM:** Shane King, Operations Supervisor  
**RE:** **MONTHLY REPORT OF OPERATIONS – August 2021**

The total flow from Lake Cachuma into the Tecolote Tunnel for August was 2,498.5 acre-feet, for an average daily flow of 80.59 acre-feet. Lake elevation was 718.05 feet at the beginning of August and 715.37 feet at the end of August. Lake storage decreased by 5,488 acre-feet. There was 500 acre-feet of inflow from CCWA into Cachuma Project facilities this month. The City of Santa Barbara wheeled 52.19 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized and delivered 93.2 acre-feet of water to Hilton Creek for the month of August.

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 August 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.

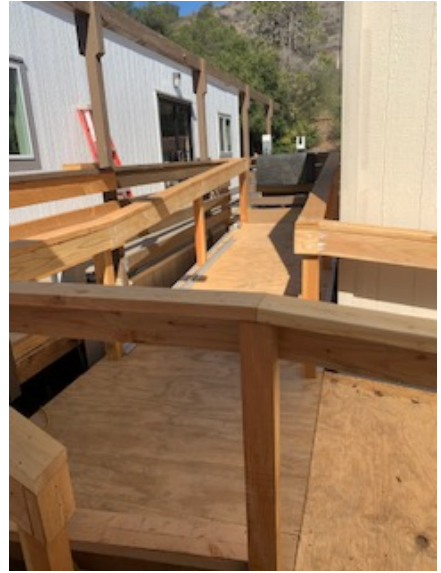
### **Ongoing Monthly Operations Items:**

- 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 91 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:**

- Operations staff is in the process of building an ADA ramp up to the raised deck between the mobile trailers. (see updated photos)
- Operations division is continuing to work through the annual structure maintenance program. This work includes visiting all Air vent, Blow off, and turnout structures for maintenance and valve exercising. A total of 47 structures were visited this month. (see photos)
- PLC 5 at Ortega reservoir was replaced with the help of Aspect Engineering. COMB worked closely with Montecito Water District, and Cater Water Treatment Plant to ensure there were no disruptions in water supply to the Montecito and Carpinteria areas.
- Operations staff installed a new electrical pole box for the main power supply to the mobile offices.
- Staff met contractors for PG&E at the North Portal to do annual inspections and tree trimming around the overhead power lines onsite.
- The well pressure tank at the North Portal was replaced by operations staff. It was found that the old pressure tank was not maintaining pressure. After some investigation, it was found that the water bladder inside had ruptured. This pressure tank supplies water to the restroom facilities onsite.
- Staff removed the grating from around the Lauro reservoir overflow structure and trailered it to "Anacapa Industries". Anacapa Industries stripped off the old coating and re-coated it with a heavy duty two part epoxy. Staff then re-installed the grating around the Lauro overflow structure. This work was completed to fulfill a recommendation from the Bureau of Reclamation during the last comprehensive facility review visit. (see photos)
- Operations staff monitored an installation of new communications conduits that crossed the northern section of the South Coast Conduit in the La Patera ranch property.

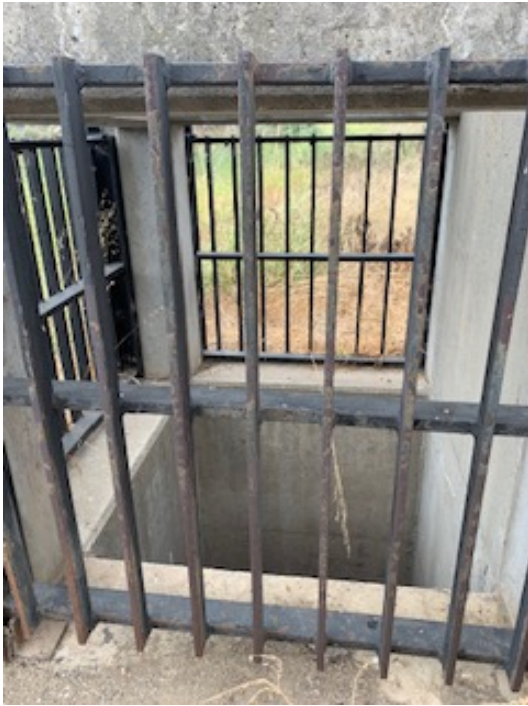
**Updated ADA Ramp**



**North Reach structure maintenance**



Grating for Lauro Overflow structure



# CACHUMA OPERATION AND MAINTENANCE BOARD

## BOARD MEMORANDUM

**DATE:** September 27, 2021  
**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 1.5 cfs as of 9/22/21 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 have discussed the current conditions.
- The 2000 BiOp and Order WR 2019-0148 target flows to the Hwy 154 Bridge (2.5 cfs) are being met by USBR for a Critically Dry water year through releases from Hilton Creek and the Outlet Works to the Lower Santa Ynez River (LSYR) mainstem and conjunctive use with the ongoing WR 89-18 release.
- 2021 WR 89-18 releases started on 8/2/21 with a slow ramp up to the maximum release of 92 cfs on 8/8/21. The release currently is in the equilibrium phase releasing approximately 21 cfs. The release is scheduled to end at the beginning of November.

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:

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

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

**Snorkel surveys:** Snorkel surveys for *O. mykiss* and non-native fish are conducted two times a year (Spring and Fall). The Spring Snorkel Survey was started in May and has now been completed. The results are presented in the annual monitoring report. The Fall Snorkel Survey will start during the last week of September.

**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 1.5 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 and it was agreed 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. The current WR 89-18 release far exceeds target flow requirements at the Hwy 154 Bridge. COMB-FD continues to take weekly flow measurements at these higher flows during the WR 89-18 release as requested by USBR.

**WR 89-18 Release Monitoring:** BiOp required monitoring for the WR 89-18 releases (RPM 6) started prior to the release as requested by USBR and will continue until after the releases are stopped. WR 89-18 releases are conducted by the Santa Ynez River Water Conservation District in collaboration with USBR. The 2021 WR 89-18 release began on 8/2/21 with a slow ramp up over several days to a maximum release rate of approximately 92 cfs on 8/8/21 from the Outlet Works plus Hilton Creek releases through the HCEBS. Since peak flow, the release has been ramped down and currently is at equilibrium flow with a release rate of approximately 21 cfs. The release is scheduled to end by the beginning of November. This is an Above Narrows Account (ANA) release with the target extent of the release approximately 8 miles downstream of the Avenue of the Flags Bridge in Buellton within the Cadwell sub-reach. The release volume so far is well less than projected by the Parent District at the beginning of the release. During WR 89-18 releases, all releases from Bradbury Dam (Outlet Works and to Hilton Creek) are debited to the water rights release account due to conjunctive use as agreed to within the Settlement Agreement..



## **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 provide 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.

During the week of 8/2/21, USBR performed maintenance and testing of the HCWS pumping system. They were successful in getting both pumps and operation control panels (platform and top of dam) operating. The HCWS pumping system is now fully operational and has been left in standby mode. We are unaware of any further maintenance or operation of the HCWS since the beginning of August.

## **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, and 8/31/20 - 11/30/20. There were no WR 89-18 releases in 2019. The 2020 WR 89-18 release officially released 10,480 af over 92 days. 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>		24,350	
<b>Total:</b>	9,184	39,048	-2,314
* Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013.			
** Values as of 8/31/21.			
*** This water is for meeting required target flows. This is not an official account and is what remains after subtracting the other two accounts.			

**Reporting / Outreach / Training:**

**Reporting:** Staff has been assisting USBR upon request in reviewing draft sections and conducting data analyses for their preparation of the new draft Biological Assessment and WR 2019-0148 required Plans.

Staff has started working on the WY2021 Annual Monitoring Report/Summary.

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

**Consultant Activity Summary:**

**HDR Fisheries Design Center** (Mike Garello and Shaun Bevan) – no work was conducted during this past month.

**Kenneth A. Knight Consulting** (Ken Knight) – no work was conducted during this past month.

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	September 27, 2021
Submitted by:	Tim Robinson and Scott Volan
Approved by:	Janet Gingras

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

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**RECOMMENDATION:**

For Board information only.

**SUMMARY:**

***Maintenance***

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since October, 2020 to the present (12/1/20 – 9/27/21, 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.

***Annual Inventory and Report***

Analyzing the data and developing the draft 2020 Annual Report has been completed. The draft Annual Report will be presented to the COMB Board on 9/27/21.

**Table 1: Cachuma Oak Tree Program completed tasks since December, 2020.**

	Dec 2020	Jan 2021 <sup>1</sup>	Feb 2021 <sup>1</sup>	March 2021 <sup>1</sup>	April 2021	May 2021	June 2021	July 2021	Aug 2021	Sept 2021
<b>Year 12 Oaks (2020-2021)</b>	New Trees	New Trees	QA/QC	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated
	Gopher Baskets	Gopher Baskets	Tree Tags	Weeded	Weeded	Weeded	Weeded	Weeded	Weeded	Weeded
	Fert/Comp	Fert/Comp								
	Deer Cages	Deer Cages								
	Mulch/Irrigated	Mulch/Irrigated								
<b>Year 11 Oaks (2019-2020)</b>	Irrigated	Irrigated			Irrigated	Irrigated		Irrigated	Irrigated	Irrigated
	Weeded	Weeded			Weeded	Weeded		Weeded	Weeded	Weeded
<b>Year 10 Oaks (2018-2019)</b>	Irrigated	Irrigated			Irrigated	Irrigated			Irrigated	
	Weeded	Weeded			Weeded	Weeded			Weeded	
						Deer Cages				
<b>Year 9 Oaks (2016-2017)</b>	Irrigated					Irrigated			Irrigated	Irrigated
	Weeded					Weeded			Weeded	Weeded
						Deer Cages				
<b>Year 8 Oaks (2015-2016)</b>						Irrigated	Irrigated			
						Weeded	Weeded			
<b>Year 7 Oaks (2014-2015)</b>										
<b>Year 6 Oaks (2010-2011)</b>										
<b>Year 5 Oaks (2009-2010)</b>										
<b>Year 4 Oaks (2008-2009)</b>										
<b>Year 3 Oaks (2007-2008)</b>										
<b>Year 2 Oaks (2006-2007)</b>										
<b>Year 1 Oaks (2005-2006)</b>										

<sup>1</sup> Oak tree inventory.

The Fisheries Division wrapped up another round of watering on the Year 9 trees at the end of August and completed another round of watering on the Year 12 trees by mid-September.

Crews are currently watering the Year 11 trees located at the Santa Barbara Count Park (Park) and will be completed by the end of the current month. All of the Year 9-12 trees are located at the Park, which makes for easier water truck filling at multiple fill locations within the campground.

The native oak trees in the Santa Ynez Valley are starting to yield acorns, particularly the Valley Oaks which tend to produce ripe acorns a month or two ahead of the Coast Live Oaks. Staff has started collecting acorns and will continue this process through the end of October. Acorns from both species will be delivered for propagation at Manzanita Nursery.

**LIST OF EXHIBITS:**

No Exhibits.

**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**METERED USE REPORT FOR AUGUST 2021**

LATERAL/ STATION	NAME	ACRE FEET METERED	LATERAL/ STATION	NAME	ACRE FEET METERED
<b>CARPINTERIA WATER DISTRICT</b>			<b>GOLETA WATER DISTRICT</b>		
Boundary Meter - East		292.58	18+62	G. WEST	147.82
Boundary Meter - West		(0.26)	78+00	Corona Del Mar FILTER Plant	966.19
			122+20	STOW RANCH	0.00
				SWP CREDIT (Warren Act Contract)	(161.00)
				Raytheon (SWP) (Warren Act Contract)	(2.00)
				Morehart (SWP) (Warren Act Contract)	(5.00)
			<b>TOTAL</b>		<b>946.01</b>
			<b>MONTECITO WATER DISTRICT</b>		
			260+79	BARKER PASS	86.08
			386+65	MWD YARD	41.41
			487+07	VALLEY CLUB	10.07
			499+65	E. VALLEY-ROMERO PUMP	220.80
			510+95	MWD PUMP (SWD)	17.95
			510+95	ORTEGA CONTROL	16.71
			526+43	ASEGRA RD	1.97
			555+80	CO. YARD	0.00
			583+00	LAMBERT RD	0.00
			599+27	TORO CANYON	7.73
				SWP CREDIT (Warren Act Contract)	0.00
			<b>TOTAL</b>		<b>402.72</b>
			<b>CITY OF SANTA BARBARA</b>		
			CATER	INFLOW	1,623.37
			Gibraltar	PENSTOCK	(52.19)
			CATER	SO. FLOW	(926.23)
			Sheffield	SHEF.LIFT	207.05
				SWP CREDIT (Warren Act Contract)	0.00
				La Cumbre (SWP) (Warren Act Contract)	(11.95)
			<b>TOTAL</b>		<b>840.05</b>
			<b>SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, ID#1</b>		
			COUNTY PARK, ETC		2.46
			<b>TOTAL</b>		<b>2.46</b>
			<b>BREAKDOWN OF DELIVERIES BY TYPE:</b>		
			STATE WATER DELIVERED TO LAKE		514.00
			STATE WATER TO SOUTH COAST including from stored		472.27
			<b>METERED DIVERSION</b>		<b>2,191.24</b>
SWP CREDIT (Warren Act Contract) (292.32) <b>TOTAL 0.00</b>					
Note: Meter reads were taken on: 8/31/2021					

**WATER YEAR 20-21 CACHUMA PROJECT ALLOCATION**

**CACHUMA OPERATION AND MAINTENANCE BOARD  
WATER PRODUCTION AND WATER USE REPORT  
FOR THE MONTH OF AUGUST 2021 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) <sup>(9)</sup>	2,582.0	22,350.2
Tecolote Tunnel Infiltration	85.4	826.1
Cachuma Lake (County Park)	2.5	18.5
<b>Subtotal - Water Production</b>	<b>2,669.8</b>	<b>23,194.8</b>
<b>WATER DELIVERIES:</b>		
State Water Diversion	472.3	1,002.8
Cachuma Diversion	2,191.2	22,413.6
Storage gain/(loss) <sup>(2)</sup>	(2.4)	(35.5)
<b>Subtotal - Water Deliveries</b>	<b>2,661.1</b>	<b>23,380.9</b>
<b>Total Water Production</b>	<b>2,669.8</b>	<b>23,194.8</b>
<b>Total Water Deliveries</b>	<b>2,661.1</b>	<b>23,380.9</b>
<b>Difference = Apparent Water Loss</b>	<b>8.7</b>	<b>(186.1)</b>
% Apparent Water Loss	0.33%	-0.80%

**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>(186.1)</b>
<b>Total AWL Incurred (WYTD)</b>					<b>(186.1)</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	681.1	840.0	372.8	0.0	2.5	1,896.4
Agricultural	264.9	0.0	30.0	0.0	N/A	294.8
<b>Subtotal Project Water Use</b>	<b>946.0</b>	<b>840.0</b>	<b>402.7</b>	<b>0.0</b>	<b>2.5</b>	<b>2,191.2</b>
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss <sup>(4)</sup>	0.0	203.4	14.1	0.0	18.5	235.9
<b>Total Project Water Charge</b>	<b>946.0</b>	<b>1,043.4</b>	<b>416.8</b>	<b>0.0</b>	<b>20.9</b>	<b>2,427.2</b>
<b><u>WATER YEAR-TO-DATE</u></b>						
Water Usage						
M&I	7,316.3	6,301.0	2,893.0	1,562.8	18.5	18,091.5
Agricultural	2,350.8	0.0	226.1	1,745.1	N/A	4,322.1
<b>Subtotal Project Water Use</b>	<b>9,667.1</b>	<b>6,301.0</b>	<b>3,119.1</b>	<b>3,308.0</b>	<b>18.5</b>	<b>22,413.6</b>
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss <sup>(4)</sup>	237.5	1,556.7	207.3	50.5	118.6	2,170.6
<b>Total Project Water Charge (*)</b>	<b>9,904.6</b>	<b>7,857.6</b>	<b>3,326.4</b>	<b>3,358.5</b>	<b>137.1</b>	<b>24,584.2</b>

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

**WATER YEAR 20-21 CACHUMA PROJECT ALLOCATION**  
**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**WATER PRODUCTION AND WATER USE REPORT**  
**FOR THE MONTH OF AUGUST 2021 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 - 10/1/2020</b>	8,297.4	20,298.1	4,015.7	2,410.8	1,303.6	36,325.6
Transfers/Adjustment	0.0	0.0	0.0	0.0	0.0	0.0
<b>(-) Project Water Charge (WYTD)</b>	<b>8,297.4</b>	<b>7,857.6</b>	<b>3,326.4</b>	<b>2,410.8</b>	<b>137.1</b>	<b>22,029.3</b>
<b>Balance Carryover Water</b>	<b>0.0</b>	<b>12,440.5</b>	<b>689.3</b>	<b>0.0</b>	<b>1,166.5</b>	<b>14,296.3</b>
<b>Current Year Allocation <sup>(5)</sup></b>	<b>9,322.0</b>	<b>8,277.0</b>	<b>2,651.0</b>	<b>2,813.0</b>	<b>2,651.0</b>	<b>25,714.0</b>
<b>(-) Balance of Project Water Charge (WYTD)</b>	<b>1,607.2</b>	<b>0.0</b>	<b>0.0</b>	<b>947.7</b>	<b>0.0</b>	<b>2,554.9</b>
<b>Net Allocation Available Before Adjustments</b>	<b>7,714.8</b>	<b>8,277.0</b>	<b>2,651.0</b>	<b>1,865.3</b>	<b>2,651.0</b>	<b>23,159.1</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>	415.0	277.0	277.0	184.0	(1,153.0)	0.0
Transfers/Adjustment - SB/La Cumbre	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - Bishop Ranch <sup>(7)</sup>	100.0	0.0	0.0	0.0	0.0	100.0
Transfers/Adjustment - Juncal Transfer	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - GWD/SB Overlap	0.0	0.0	0.0	0.0	0.0	0.0
<b>Balance Current Year Allocation</b>	<b>8,229.8</b>	<b>8,554.0</b>	<b>2,928.0</b>	<b>2,049.3</b>	<b>1,498.0</b>	<b>23,259.1</b>
<b>Total Cachuma Project Water Available</b>	<b>8,229.8</b>	<b>20,994.5</b>	<b>3,617.3</b>	<b>2,049.3</b>	<b>2,664.5</b>	<b>37,555.4</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, 100% allocation to Member Agencies, effective 10/1/20.
- (6) Per SWP Exchange Agrmt GWD received 130 AF; City of SB received 87 AF; MWD received 87 AF and CVWD received 58 AF from ID#1 in August 2021.
- (7) Transfer per Contract for Exchange Water with Thomas B. Bishop Company and GWD (100 AF)
- (8) Memo only - State Water Deliveries to Lake Cachuma for August was 514 AF.

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

MONTH: **AUGUST 2021**

**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>333.0</b>	Feet
Water in Storage	21.04	AF

**LAURO RESERVOIR**

Capacity at 549' elevation:	503	AF
Capacity at top of intake screen, 520' elevation:	106.05	AF
Stage of Reservoir Elevation	<b>546.7</b>	Feet
Water in Storage	458.44	AF

**ORTEGA RESERVOIR**

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	<b>447.5</b>	Feet
Water in Storage	21.10	AF

**CARPINTERIA RESERVOIR**

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	<b>375.8</b>	Feet
Water in Storage	25.25	AF

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

Change in Storage	504.79	AF
	-2.41	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>715.37</b>	Feet
Water in Storage	<b>99,387</b>	AF
Surface Area	<b>1,962</b>	Acres
Evaporation	<b>1,204.8</b>	AF
Inflow	<b>511.9</b>	AF
Downstream Release WR8918	<b>2,658.0</b>	AF
Fish Release (Hilton Creek)	<b>93.2</b>	AF
Outlet	<b>43.0</b>	AF
Spill/Seismic Release	<b>0</b>	AF
State Water Project Water	<b>500.0</b>	AF
Change in Storage	<b>-5,488</b>	AF
Tecolote Diversion	<b>2,498.5</b>	AF

**Rainfall:    Month:    0.00                      Season:    0.00                      Percent of Normal:    0%**

(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: 10/1/20 to: 9/30/21

Contract Entity: **City of Santa Barbara**  
 Update by COMB 8/31/2021

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	20,298.1	8,277.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	20,298.1	8,277.0

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation				Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	-----	M & I	-----	Total
196.1	-	196.1	171.9	196.1	368.0	368.0	-	-	-	-
147.5	-	147.5	98.6	147.5	246.1	246.1	-	-	-	-
268.1	-	268.1	76.4	268.1	344.5	344.5	-	-	-	-
319.4	-	319.4	57.7	319.4	377.1	377.1	-	-	-	-
562.0	-	562.0	88.6	562.0	650.6	650.6	-	-	-	-
724.5	-	724.5	117.2	724.5	841.7	841.7	-	-	-	-
818.0	-	818.0	141.5	818.0	959.5	959.5	-	-	-	-
807.9	-	807.9	174.0	807.9	982.0	982.0	-	-	-	-
778.0	-	778.0	199.9	778.0	977.9	977.9	-	-	-	-
839.3	-	839.3	227.5	839.3	1,066.8	1,066.8	-	-	-	-
840.0	-	840.0	203.4	840.0	1,043.4	1,043.4	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,301.0	-	6,301.0	1,556.7	6,301.0	7,857.6	7,857.6	-	-	-	-

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

SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation	
		M & I	-----	M & I	-----
Begin Bal	20,298.1	20,298.1	-	8,277.0	-
ID#1 Exch (+17AF)	-	-	-	17.0	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
ID#1 Exch (+29AF)	-	-	-	29.0	-
ID#1 Exch (+60AF)	-	-	-	60.0	-
ID#1 Exch (+84AF)	-	-	-	84.0	-
ID#1 Exch (+87AF)	-	-	-	87.0	-
	-	-	-	-	-

BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Allocation	
		M & I	-----	M & I	-----
Oct	19,930.1	19,930.1	-	8,294.0	-
Nov	19,684.0	19,684.0	-	8,294.0	-
Dec	19,339.5	19,339.5	-	8,294.0	-
Jan	18,962.4	18,962.4	-	8,294.0	-
Feb	18,311.8	18,311.8	-	8,294.0	-
Mar	17,470.1	17,470.1	-	8,294.0	-
Apr	16,510.5	16,510.5	-	8,294.0	-
May	15,528.5	15,528.5	-	8,323.0	-
Jun	14,550.7	14,550.7	-	8,383.0	-
Jul	13,483.9	13,483.9	-	8,467.0	-
Aug	12,440.5	12,440.5	-	8,554.0	-
Sep	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 20,994.5

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

Contract Year: 10/1/20 to: 9/30/21

Contract Entity: **Montecito Water District**  
 Update by COMB 8/31/2021

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	4,015.7	2,651.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	4,015.7	2,651.0

TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED		
Acre-feet			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	Total
226.9	17.7	244.6	33.1	244.6	277.7	250.5	27.2	-
182.9	16.8	199.7	18.1	199.7	217.8	195.5	22.3	-
187.0	18.6	205.6	13.4	205.6	219.0	196.2	22.8	-
140.4	8.8	149.2	9.7	149.2	158.9	146.9	12.0	-
174.9	9.5	184.4	14.5	184.4	198.9	184.5	14.4	-
253.0	16.1	269.1	18.3	269.1	287.5	264.7	22.7	-
346.2	28.0	374.2	20.5	374.2	394.7	358.7	36.0	-
346.9	28.8	375.7	22.4	375.7	398.1	359.4	38.7	-
326.2	26.5	352.7	22.3	352.7	375.0	336.9	38.0	-
335.7	25.3	361.1	21.0	361.1	382.1	343.7	38.4	-
372.8	30.0	402.7	14.1	402.7	416.8	375.6	41.2	-
-	-	-	-	-	-	-	-	-
2,893.0	226.1	3,119.1	207.3	3,119.1	3,326.4	3,012.5	313.9	-

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
156.7	(156.7)	-	-
-	-	-	-

Month  
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SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	4,015.7	2,855.8	1,159.9	2,244.0	407.0	2,651.0
ID#1 Exch (+17AF)	-	-	-	9.2	7.8	17.0
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
ID#1 Exch (+29AF)	-	-	-	14.2	14.8	29.0
ID#1 Exch (+60AF)	-	-	-	30.0	30.0	60.0
ID#1 Exch (+84AF)	-	-	-	39.5	44.5	84.0
ID#1 Exch (+87AF)	-	-	-	40.9	46.1	87.0
-	-	-	-	-	-	-

Month  
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BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
3,738.0	2,605.3	1,132.7	2,253.2	414.8	2,668.0	
3,520.2	2,409.8	1,110.4	2,253.2	414.8	2,668.0	
3,301.2	2,213.6	1,087.5	2,253.2	414.8	2,668.0	
3,142.3	2,066.8	1,075.5	2,253.2	414.8	2,668.0	
2,943.4	1,882.3	1,061.1	2,253.2	414.8	2,668.0	
2,655.9	1,617.6	1,038.3	2,253.2	414.8	2,668.0	
2,261.3	1,258.9	1,002.4	2,253.2	414.8	2,668.0	
1,863.2	899.5	963.7	2,267.4	429.6	2,697.0	
1,488.2	562.6	925.6	2,297.4	459.6	2,757.0	
1,106.1	218.9	887.2	2,336.9	504.1	2,841.0	
689.3	0.0	689.3	2,377.8	550.2	2,928.0	
-	-	-	-	-	-	

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 3,617.3

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

Contract Year: 10/1/20 to: 9/30/21

Contract Entity: **Carpinteria Valley Water District**  
 Update by COMB 8/31/2021

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	2,410.8	2,813.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	2,410.8	2,813.0

TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED		
Acre-feet			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	Total
164.1	209.1	373.3	18.9	373.3	392.2	173.9	218.3	-
158.3	186.3	344.7	9.2	344.7	353.8	163.2	190.6	-
158.5	183.5	342.1	5.8	342.1	347.9	161.7	186.2	-
134.8	116.5	251.2	3.6	251.2	254.8	136.8	118.0	-
126.9	107.5	234.4	4.5	234.4	238.9	129.5	109.4	-
139.3	127.8	267.2	4.5	267.2	271.7	141.9	129.7	-
166.3	204.5	370.8	3.0	370.8	373.9	168.2	205.7	-
178.3	196.5	374.8	1.0	176.7	177.6	85.0	92.7	198.1
164.0	202.9	366.9	-	-	-	-	-	164.0
172.2	210.4	382.6	-	-	-	-	-	172.2
0.0	0.0	0.0	-	-	-	-	-	210.4
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
1,562.8	1,745.1	3,308.0	50.5	2,360.3	2,410.8	1,160.1	1,250.7	430.4
								517.2
								947.7

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
(81.9)	81.9	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Month  
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SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
Allocation			Allocation			
Total	M & I	Agr	M & I	Agr	Total	
Begin Bal	2,410.8	1,242.0	1,168.8	1,400.0	1,413.0	2,813.0
ID#1 Exch (+11AF)	-	-	-	6.0	5.0	11.0
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
ID#1 Exch (+19AF)	-	-	-	9.3	9.7	19.0
ID#1 Exch (+40AF)	-	-	-	20.0	20.0	40.0
ID#1 Exch (+56AF)	-	-	-	26.3	29.7	56.0
ID#1 Exch (+58AF)	-	-	-	27.3	30.7	58.0
-	-	-	-	-	-	-

Month  
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BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
Allocation			Allocation		
Total	M & I	Agr	M & I	Agr	Total
2,018.6	1,068.1	950.5	1,406.0	1,418.0	2,824.0
1,664.8	904.9	759.8	1,406.0	1,418.0	2,824.0
1,316.9	743.3	573.6	1,406.0	1,418.0	2,824.0
1,062.1	606.5	455.6	1,406.0	1,418.0	2,824.0
823.2	477.0	346.2	1,406.0	1,418.0	2,824.0
551.5	335.0	216.5	1,406.0	1,418.0	2,824.0
177.6	166.9	10.8	1,406.0	1,418.0	2,824.0
0.0	0.0	0.0	1,321.0	1,323.9	2,644.9
0.0	0.0	0.0	1,177.0	1,140.9	2,317.9
0.0	0.0	0.0	1,031.2	960.2	1,991.3
0.0	0.0	0.0	1,058.4	990.9	2,049.3
-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 2,049.3

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

Contract Year: 10/1/20 to: 9/30/21

Contract Entity: **Santa Ynez River Water Conservation District, ID#1**  
 Update by COMB 8/31/2021

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	1,303.6	2,651.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	1,303.6	2,651.0

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation				Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
1.8	-	1.8	11.1	1.8	12.9	2.1	10.7	-	-	-
1.3	-	1.3	6.4	1.3	7.7	1.5	6.2	-	-	-
1.5	-	1.5	5.0	1.5	6.5	1.6	4.9	-	-	-
0.7	-	0.7	3.8	0.7	4.5	0.8	3.7	-	-	-
0.7	-	0.7	6.0	0.7	6.7	0.9	5.9	-	-	-
1.4	-	1.4	8.3	1.4	9.6	1.6	8.0	-	-	-
2.0	-	2.0	10.4	2.0	12.4	2.3	10.1	-	-	-
1.9	-	1.9	13.4	1.9	15.3	2.3	13.1	-	-	-
2.2	-	2.2	16.2	2.2	18.4	2.6	15.8	-	-	-
2.6	-	2.6	19.4	2.6	22.0	3.0	19.0	-	-	-
2.5	-	2.5	18.5	2.5	20.9	2.8	18.1	-	-	-
-	-	-	-	-	-	-	-	-	-	-
18.5	-	18.5	118.6	18.5	137.1	21.6	115.5	-	-	-

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

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

SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	1,303.6	43.0	1,260.6	935.0	1,716.0	2,651.0
ID#1 Exch (-70AF)	-	-	-	(38.0)	(32.0)	(70.0)
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
ID#1 Exch (-121AF)	-	-	-	(59.3)	(61.7)	(121.0)
ID#1 Exch (-250AF)	-	-	-	(125.0)	(125.0)	(250.0)
ID#1 Exch (-350AF)	-	-	-	(164.5)	(185.5)	(350.0)
ID#1 Exch (-362AF)	-	-	-	(170.1)	(191.9)	(362.0)
-	-	-	-	-	-	-

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

BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
County Parks Usage (AF)	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
1.8	1,290.7	40.9	1,249.9	897.0	1,684.0	2,581.0
1.3	1,283.1	39.4	1,243.7	897.0	1,684.0	2,581.0
1.5	1,276.6	37.7	1,238.8	897.0	1,684.0	2,581.0
0.7	1,272.1	37.0	1,235.1	897.0	1,684.0	2,581.0
0.7	1,265.3	36.1	1,229.2	897.0	1,684.0	2,581.0
1.4	1,255.7	34.5	1,221.2	897.0	1,684.0	2,581.0
2.0	1,243.2	32.1	1,211.1	897.0	1,684.0	2,581.0
1.9	1,227.9	29.9	1,198.0	837.7	1,622.3	2,460.0
2.2	1,209.5	27.3	1,182.2	712.7	1,497.3	2,210.0
2.6	1,187.5	24.3	1,163.2	548.2	1,311.8	1,860.0
2.5	1,166.5	21.4	1,145.1	378.1	1,119.9	1,498.0
-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 2,664.5

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

Contract Year: 10/1/20 to: 9/30/21

Contract Entity: **Santa Barbara Co. Water Agency**  
 Update by COMB 8/31/2021

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	36,325.6	25,714.0	0.0	1,324.9	499.0	1,823.9	301.4	1,823.9	2,125.3	1,576.8	548.5	-	-	-
Nov	-	-	0.0	1,160.2	438.6	1,598.9	165.8	1,598.9	1,764.7	1,299.8	464.9	-	-	-
Dec	-	-	0.0	1,272.1	421.2	1,693.3	123.4	1,693.3	1,816.7	1,376.7	440.1	-	-	-
Jan	-	-	0.0	1,182.9	245.7	1,428.6	89.9	1,428.6	1,518.5	1,259.5	259.0	-	-	-
Feb	-	-	0.0	1,415.6	206.6	1,622.3	134.1	1,622.3	1,756.4	1,529.9	226.5	-	-	-
Mar	-	-	0.0	1,707.1	294.6	2,001.7	172.0	2,001.7	2,173.7	1,853.6	320.1	-	-	-
Apr	-	-	0.0	2,056.6	473.8	2,530.5	198.3	2,530.5	2,728.8	2,226.0	502.7	-	-	-
May	-	-	0.0	2,089.8	490.4	2,580.2	229.6	2,382.1	2,611.7	2,192.8	418.9	94.3	103.9	198.1
Jun	-	-	0.0	1,975.4	477.1	2,452.5	248.1	2,085.6	2,333.6	2,025.4	308.2	164.0	202.9	366.9
Jul	-	-	0.0	2,010.5	480.1	2,490.6	272.0	1,446.8	1,718.8	1,591.5	127.3	654.9	389.0	1,043.8
Aug	-	-	0.0	1,896.4	294.8	2,191.2	235.9	1,245.2	1,481.2	1,421.8	59.3	681.1	264.9	946.0
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	36,325.6	25,714.0	0.4	18,091.5	4,322.1	22,413.6	2,170.6	19,858.7	22,029.3	18,353.8	3,675.4	1,594.3	960.6	2,554.9

Month	CONVERSIONS (M&I AND AG SPLIT)			
	CARRYOVER WATER		CURR YR ALLOCATION	
	M & I	Agr	M & I	Agr
Oct	-	-	-	-
Nov	-	-	-	-
Dec	-	-	-	-
Jan	-	-	-	-
Feb	-	-	-	-
Mar	-	-	-	-
Apr	-	-	-	-
May	(81.9)	81.9	-	-
Jun	329.1	(329.1)	-	-
Jul	178.0	(178.0)	-	-
Aug	156.7	(156.7)	-	-
Sep	-	-	-	-

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	36,325.6	30,233.9	6,091.7	19,588.0	6,126.0	25,714.0
Oct	-	-	-	7.8	(7.8)	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	100.0	-	100.0
May	-	-	-	14.8	(14.8)	-
Jun	-	-	-	30.0	(30.0)	-
Jul	-	-	-	44.5	(44.5)	-
Aug	-	-	-	46.1	(46.1)	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	County Parks Usage (AF)	Allocation		Allocation		Total	
		M & I	Agr	M & I	Agr		
Oct	1.8	34,200.3	28,657.1	5,543.2	19,595.8	6,118.2	25,714.0
Nov	1.3	32,435.7	27,357.3	5,078.3	19,595.8	6,118.2	25,714.0
Dec	1.5	30,618.9	25,980.6	4,638.3	19,595.8	6,118.2	25,714.0
Jan	0.7	29,100.4	24,721.2	4,379.2	19,595.8	6,118.2	25,714.0
Feb	0.7	27,344.0	23,191.3	4,152.8	19,595.8	6,118.2	25,714.0
Mar	1.4	25,170.4	21,337.7	3,832.7	19,595.8	6,118.2	25,714.0
Apr	2.0	22,441.6	19,111.7	3,329.9	19,695.8	6,118.2	25,814.0
May	1.9	19,829.9	16,836.9	2,993.0	19,616.3	5,999.6	25,615.9
Jun	2.2	17,496.3	15,140.5	2,355.7	19,482.3	5,766.7	25,248.9
Jul	2.6	15,777.5	13,727.1	2,050.4	18,872.0	5,333.2	24,205.1
Aug	2.5	14,296.3	12,461.9	1,834.4	18,236.9	5,022.2	23,259.1
Sep	-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **37,555.4**

# CACHUMA DAILY OPERATIONS

Month & Year: **Septembe2021**  
 Time of Observations: **0830**      Evaporation Pan Factor: **76%**

Day	Beginning Storage: 99,387			Surface Area	Rainfall		Evaporation		CCWA Inflow	Releases					Computed Inflow		
	Elevation	Storage	Change							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
1	715.32	99,289	(98)	1,960	-		0.280	34.8		22.9		66.2	3.2	39.0	-	-	22.3
2	715.25	99,152	(137)	1,959	-		0.270	33.5		22.9		70.4	3.1	40.0	-	-	(12.9)
3	715.19	99,015	(137)	1,957	-		0.250	31.0		22.9		74.8	3.1	39.0	-	-	(12.0)
4	715.13	98,917	(98)	1,956	-		0.280	34.7		25.3		79.1	3.1	39.0	-	-	32.6
5	715.06	98,780	(137)	1,954	-		0.290	35.9		22.9		79.8	3.1	41.0	-	-	(0.1)
6	715.00	98,663	(117)	1,952	-		0.250	30.9		22.9		79.1	3.2	39.0	-	-	12.3
7	714.94	98,545	(118)	1,951	-		0.290	35.8		25.2		80.9	3.1	39.0	-	-	15.6
8	714.89	98,448	(97)	1,950	-		0.250	30.9		25.3		80.0	3.1	39.0	-	-	30.7
9	714.84	98,350	(98)	1,949	-		0.320	39.5		25.2		79.2	3.1	40.0	-	-	38.6
10	714.78	98,232	(118)	1,947	-		0.250	30.8		25.2		79.5	3.1	39.0	-	-	9.2
11	714.71	98,095	(137)	1,945	-		0.300	37.0		25.2		79.4	3.1	39.0	-	-	(3.7)
12	714.65	97,978	(117)	1,944	-		0.370	45.5		22.8		80.9	3.1	40.0	-	-	29.7
13	714.59	97,861	(117)	1,942	-		0.290	35.7		22.8		78.6	3.0	40.0	-	-	17.5
14	714.52	97,726	(135)	1,941	-		0.280	34.4		25.2		79.2	3.1	39.0	-	-	(4.5)
15	714.45	97,591	(135)	1,939	-		0.300	36.8		24.0		88.7	3.1	39.0	-	-	8.6
16	714.39	97,475	(116)	1,938	-		0.240	29.5		22.8		85.5	3.1	39.0	-	-	18.3
17	714.31	97,320	(155)	1,936	-		0.210	25.7		22.7		90.7	3.1	40.0	-	-	(18.2)
18	714.25	97,204	(116)	1,934	-		0.210	25.7		12.5		87.0	3.0	39.0	-	-	26.2
19	714.18	97,069	(135)	1,933	-		0.230	28.2		12.5		88.5	3.1	40.0	-	-	12.3
20	714.12	96,953	(116)	1,931	-		0.210	25.7		12.5		67.6	3.0	39.0	-	-	6.8
21	714.06	96,837	(116)	1,930	-		0.240	29.3		12.5		62.6	3.1	39.0	-	-	5.5
22	714.00	96,721	(116)	1,929	-		0.280	34.2		12.5		64.0	3.0	39.0	-	-	11.7
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
<b>TOTALS</b>			-2666		-	-	5.890	725.5	-	468.7	-	1,721.7	68.0	866.0	-	-	246.5

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: August 2021**



<b>Cachuma Lake Recreation Area Launch Data - August 2021</b>		
<b>Vessel Data</b>		
Total Vessels Entering Park	653	
Total Vessels Launched	636	
Total Vessels Quarantined	17	
Returning (Tagged) Boats Launched	455	72%
Kayak/Canoe Launched	181	28%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
<b>Vessel Inspection Data</b>		
Total Vessels Inspected	198	
Boats Inspected	17	
Kayaks/Canoes Inspected	181	
<b>Quarantine Data</b>		
Total Vessels Quarantined	17	
Quarantined 14 days	*	
Quarantined 30 days	17	
<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	17	
<b>Demographic Data</b>		
Quarantined from infected county	5	
Quarantined from SB County	11	
Quarantined from uninfected co	1	
Quarantined from out of state	0	

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

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

\* These conditions are no longer being tracked.

**EARLY DETECTION MONITORING PROGRAM SUMMARY**

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

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

Inspection Date and Time: 2021.08.27; 9 a.m. to 11 a.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 715.6.19.; Max acre-feet: 193,305, current: 99,837;

Current capacity: 51.6%