

**REGULAR MEETING  
OF  
CACHUMA OPERATION AND MAINTENANCE BOARD**  
*held at*  
**3301 Laurel Canyon Road  
Santa Barbara, CA 93105**

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**Monday, January 27, 2020**

**1:00 PM**

**AGENDA**

1. **CALL TO ORDER, ROLL CALL**
2. **PUBLIC COMMENT** (*Public may address the Board on any subject matter not on the agenda and within the Board's jurisdiction. See "Notice to the Public" below. Please make your comments from the podium once acknowledged by the President of the Board.*)
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 December 16, 2019 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:
  - Administrative Committee Meeting – January 16, 2020
  - Operations Committee Meeting – January 17, 2020
  - Fisheries Committee Meeting – January 21, 2020
5. **CONTRACTS EXECUTED BY THE GENERAL MANAGER – 2<sup>ND</sup> QUARTER FISCAL YEAR 2019-20**  
Action: Receive and file information on Contracts Executed by the General Manager - 2<sup>nd</sup> Quarter Fiscal Year 2019-20
6. **FINANCIAL REVIEW – 2<sup>ND</sup> QUARTER FISCAL YEAR 2019-20**  
Action: Receive and file the 2<sup>nd</sup> Quarter Fiscal Year 2019-20 Financial Review

7. **GENERAL MANAGER REPORT**

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

- Administration
- Meetings
- U. S. Bureau of Reclamation
- COMB 2019 Activities and Accomplishments per Division

8. **ENGINEER / OPERATIONS REPORT**

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

- Climate Conditions
- Lake Cachuma Water Quality and Sediment Management Study
- Infrastructure Improvement Project Updates
- Lake Cachuma Operations
- Operation and Maintenance Activities

9. **QUIOTA CREEK CROSSING 8 FISH PASSAGE IMPROVEMENT PROJECT UPDATE**

Receive information regarding Quiota Creek Crossing 8 Fish Passage Improvement Project

10. **PRESENTATION ON HABITAT IMPROVEMENT PROJECTS**

Receive information on the Fisheries Division Program of Work – Habitat Improvement Projects

11. **FISHERIES DIVISION REPORT**

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

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

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

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

- Maintenance and Monitoring

13. **MONTHLY CACHUMA PROJECT REPORTS**

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

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

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

15. **[CLOSED SESSION]: CONFERENCE WITH LEGAL COUNSEL: EXISTING AND POTENTIAL LITIGATION**

- a. [Government Code Section 54956.9(d)(1)]  
Name of matter: *Cachuma Operation & Maintenance Board v. Santa Ynez River Water Conservation District, Improvement District Number 1*, Case No. 19CV01873 – Breach of Contract and Declaratory Relief

**16. RECONVENE INTO OPEN SESSION**

[Government Code Section 54957.7]

Disclosure of actions taken in closed session, as applicable

[Government Code Section 54957.1]

- 15a. *Cachuma Operation & Maintenance Board v. Santa Ynez River Water Conservation District, Improvement District Number 1*, Case No. 19CV01873 – Breach of Contract and Declaratory Relief

**17. MEETING SCHEDULE**

- **February 24, 2020 at 1:00 PM, COMB Office**
- **Board Packages available on COMB website [www.cachuma-board.org](http://www.cachuma-board.org)**

**18. 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 that is not scheduled for as an agenda item before the Board. The total time for this item will be limited by the President of the Board. The Board is not responsible for the content or accuracy of statements made by members of the public. No action will be taken by the Board on any Public Comment item.

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

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

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**MINUTES OF A REGULAR MEETING  
OF  
CACHUMA OPERATION AND MAINTENANCE BOARD  
held at**

3301 Laurel Canyon Road, Santa Barbara, CA 93105

**Monday, December 16, 2019**

**1:00 PM**

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

The meeting was called to order by President Holcombe at 1:00 PM.

**Directors Present:**

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

**General Counsel Present:**

William Carter, Musick, Peeler & Garrett, LLP

**Staff Present:**

Janet Gingras, General Manager  
Edward Lyons, Administrative Manager/CFO  
Joel Degner, Water Resources Engineer

Tim Robinson, Fisheries Division Manager  
Dorothy Turner, Administrative Assistant II

**Others Present:**

John Britton, Bartlett, Pringle, Wolf, LLP  
Fray Crease, SB County Water Agency  
John Dorwin, Attorney  
Joel Mulder, ICF

Nina Pisani, Bartlett, Pringle, Wolf, LLP  
Cathy Taylor, City of Santa Barbara  
Kevin Walsh, SYRWCD

**2. PUBLIC COMMENT**

Mr. John Dorwin addressed the Board, on behalf of his client, regarding Ortega Ridge Road access issues.

**3. CONSENT AGENDA**

- a. Minutes of November 18, 2019 Regular Board Meeting
- b. Investment of Funds
  - Financial Reports
  - Investment Reports
- c. Review of Paid Claims

Ms. Gingras presented the Consent Agenda, highlighting revenues and various expenditures. Director Hayman requested to abstain from a vote to approve the November 18, 2019 Minutes. Accordingly, President Holcombe called for a motion to approve the November 18, 2019 Minutes. Motion was made by Director Hanson and seconded by Director Sneddon. The motion carried with a vote of five in favor and one abstention.

**Ayes:** Sneddon, Hanson, Holcombe

**Nays:**

**Absent:**

**Abstain:** Hayman

President Holcombe requested a motion to approve the remainder of the Consent Agenda. Director Hanson so moved. Seconded by Director Sneddon, the motion passed 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 – December 10, 2019* – Director Holcombe reported on behalf of the Administrative Committee, noting that items are addressed in this agenda.
- *Lake Cachuma Oak Tree Committee Meeting – December 13, 2019* – Director Hayman, reporting on behalf of the Oak Tree Committee, stated that direction given to staff included plantings of one hundred replacement Oak Trees and approval to plant three hundred new trees in order to meet mitigation requirements.

#### **5. BARTLETT, PRINGLE WOLF, LLP PRESENTATION OF COMPREHENSIVE ANNUAL FINANCIAL REPORT (CAFR) – FISCAL YEAR ENDING JUNE 30, 2019**

Mr. Lyons presented the agenda item, reviewing the CAFR process and noting that COMB has now received two certificates of achievement for excellence in financial reporting from the Government Finance Officers Association (GFOA). He introduced Mr. John Britton and Ms. Nina Pisani from Bartlett, Pringle, Wolf, LLP (BPW). Mr. Britton stated that BPW issued an unmodified (clean) opinion, concluding there were no management concerns or reportable conditions affiliated with the audit. He presented a summary of the audit results, highlighting changes year over year and providing explanation for those changes. Finally, Mr. Britton reported that his firm also performed a single compliance audit of Federal funds received by COMB, noting no deficiencies or issues of non-compliance. Mr. Britton fielded questions from the Board.

Director Sneddon motioned to receive and file the CAFR as presented. Director Hanson seconded the motion which carried unanimously with a vote of six in favor.

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

**Nays:**

**Absent:**

**Abstain:**

**6. CALIFORNIA STATE CONTROLLER REPORT FOR FISCAL YEAR ENDING  
JUNE 30, 2019**

Ms. Pisani presented the draft State Controller report, noting its due date of January 31, 2020. She explained how the data was categorized in the required template and fielded questions from the Board. President Holcombe asked for a motion to receive and file the report. Director Hanson so motioned. Seconded by Director Sneddon, the motion passed unanimously with a vote of six in favor.

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

**Nays:**

**Absent:**

**Abstain:**

**7. UNEXPENDED FUNDS – FISCAL YEAR ENDING JUNE 30, 2019**

Ms. Gingras presented the Fiscal Year 2018-19 unexpended funds as detailed in the staff memo. She reported a return to Member Agencies in the amount of \$443,000. President Holcombe called for a motion to approve the return of unexpended funds. Director Hanson so moved; Director Sneddon seconded and the motion passed with a vote of six in favor.

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

**Nays:**

**Absent:**

**Abstain:**

**8. GENERAL MANAGER REPORT**

- Meetings
- Administration
- U.S Bureau of Reclamation
- Engineering/Operations Division
- Fisheries Division

Ms. Gingras presented the General Manager report as contained in the Board Packet, highlighting staff attendance at meetings, progress achieved with various Administrative tasks and the current status of the Cachuma Project Operation and Maintenance (O&M) Contract renewal. She noted that the draft of the O&M contract will be forwarded to the Member Agency technical staff for input upon receipt from Reclamation. Ms. Gingras updated the Board concerning the Operations and Fisheries Divisions' current projects, in particular the planned South Coast Conduit Schedules D and E shutdowns. She fielded questions from the Board. Finally, Ms. Gingras reported CCWA progress for State water deliveries and advised the Board that Reclamation had cancelled its contract to install two thirty inch cone valves at Bradbury, in favor of re-bidding the project to use incremental release valves. She reminded the Board that Member Agencies had funded \$1.2 million for this project in prior years. Reclamation plans to re-bid the project in the future, but has provided no information regarding funding.

**9. ENGINEER / OPERATIONS REPORT**

- Climate Conditions
- Infrastructure Improvement Project Status
- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. Degner presented the Engineer/Operations report, highlighting current and forecasted climate conditions and reservoir inflows. He reported progress on the American Water Infrastructure Act Risk & Resiliency Plan (R&R), which will include Cyber security R&R assessment. Mr. Degner advised that the draft Infrastructure Improvement Plan had been provided the Member Agencies' technical staff for review and noted that the San Jose Creek project report had been forwarded to the Army Corps of Engineers. Additionally, he summarized sampling operations and Reclamation's recent O&M inspection of the conduit. Finally, Mr. Degner provided updates on the status of planned Schedules D & E shutdowns and fielded questions from the Board.

#### **10. QUIOTA CREEK CROSSING 8 FISH PASSAGE IMPROVEMENT PROJECT UPDATE**

Mr. Robinson presented the Quiota Creek Crossing 8 update as contained in the Board Packet. He noted that all critical tasks are complete with some minor tasks remaining. He detailed the three change orders that arose in conjunction with the project, reported the status of habitat mitigation activities and fielded questions from the Board. Director Sneddon moved to receive and file the report. Seconded by Director Hayman, the motion carried with six in favor.

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

**Nays:**

**Absent:**

**Abstain:**

#### **11. FISHERIES DIVISION REPORT**

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

Mr. Robinson provided updates to the Board, highlighting water deliveries to Hilton Creek, routine monitoring and survey activities as required in the Biological Opinion. He fielded questions from the Board. Mr. Robinson advised that reporting is progressing rapidly with internal review of the 2019 Annual Monitoring Report planned for this week and submission to Reclamation thereafter.

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

- Maintenance and Monitoring

Mr. Robinson reported on the Oak Tree Program activities, highlighting recent plantings of replacement trees and upcoming plans to add three hundred new trees to the inventory, as directed by the Oak Tree Committee.

#### **13. MONTHLY CACHUMA PROJECT REPORTS**

- a. Cachuma Water Reports
- b. Cachuma Reservoir Current Conditions

Ms. Gingras presented the Cachuma Project reports for the second month of the water year, noting very low water losses. She advised the Board that there was no Quagga mussel report as there had been no November survey.

#### **14. 2020 COMB REGULAR BOARD MEETING CALENDAR**



Ms. Gingras presented the projected Regular Board Meeting dates for 2020, noting those meetings which were scheduled outside the usual fourth Monday of the month. There were no comments from the Board.

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

Board members requested further information regarding the lack of a November Quagga mussel survey and Reclamation's funding plans for Bradbury valve replacement.

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

- a. [Government Code Section 54956.9(d)(1)]  
Name of matter: *Cachuma Operation & Maintenance Board v. Santa Ynez River Water Conservation District, Improvement District Number 1*, Case No. 19CV01873 – Breach of Contract and Declaratory Relief

Counsel advised that there was no need to hold a Closed Session.

**17. RECONVENE INTO OPEN SESSION**

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

- 16a. *Cachuma Operation & Maintenance Board v. Santa Ynez River Water Conservation District, Improvement District Number 1*, Case No. 19CV01873 – Breach of Contract and Declaratory Relief

**18. MEETING SCHEDULE**

- **January 27, 2020 at 1:00 PM, COMB Office**
- **Board Packages available on COMB website [www.cachuma-board.org](http://www.cachuma-board.org)**

**19. COMB ADJOURNMENT**

There being no further business, the meeting was adjourned at 2:42 PM.

Respectfully submitted,

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Janet Gingras, Secretary of the Board

	<i>Approved</i>
√	<i>Unapproved</i>

**APPROVED:**

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Polly Holcombe, President of the Board

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

As of December 31, 2019  
 UNAUDITED FINANCIALS

	<b>Dec 31, 19</b>
<b>ASSETS</b>	
<b>Current Assets</b>	
<b>Checking/Savings</b>	
<b>Trust Funds</b>	
1210 - Warren Act Trust Fund	\$ 398,004.70
1220 - Renewal Fund	10,215.61
<b>Total Trust Funds</b>	\$ 408,220.31
1050 - General Fund	404,444.92
1100 - Revolving Fund	185,476.63
<b>Total Checking/Savings</b>	998,141.86
<b>Accounts Receivable</b>	
1301 - Accounts Receivable	126,570.53
1325 - Bank Loan Receivable - EPFP	115,862.54
<b>Total Accounts Receivable</b>	242,433.07
<b>Other Current Assets</b>	
1010 - Petty Cash	500.00
1200 - LAIF	775,613.72
1303 - Bradbury SOD Act Assessments Receivable	201,351.00
1304 - Lauro Dam SOD Assessment Receivable	31,080.14
1400 - Prepaid Insurance	14,764.72
<b>Total Other Current Assets</b>	1,023,309.58
<b>Total Current Assets</b>	2,263,884.51
<b>Fixed Assets</b>	
1500 - Vehicles	475,733.27
1505 - Office Furn & Equipment	355,185.56
1510 - Mobile Offices	97,803.34
1515 - Field Equipment	537,803.92
1525 - Paving	38,351.00
1550 - Accumulated Depreciation	(1,341,093.60)
<b>Total Fixed Assets</b>	163,783.49
<b>Other Assets</b>	
1923 - Deferred Outflow (GASB 75)	214,063.00
1910 - Long Term Bradbury SOD Act Assessment Receivable	4,478,803.07
1920 - Long Term Lauro SOD Act Assessment Receivable	804,089.14
1922 - Deferred Outflow of Resources (GASB 68)	497,820.00
<b>Total Other Assets</b>	5,994,775.21
<b>TOTAL ASSETS</b>	<b>\$ 8,422,443.21</b>

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

As of December 31, 2019  
UNAUDITED FINANCIALS

	<b>Dec 31, 19</b>
<b>LIABILITIES &amp; NET POSITION</b>	
<b>Liabilities</b>	
<b>Current Liabilities</b>	
<b>Accounts Payable</b>	
2200 · Accounts Payable	\$ 439,110.41
<b>Total Accounts Payable</b>	439,110.41
<b>Other Current Liabilities</b>	
2550 · Vacation/Sick	182,133.24
2561 · Bradbury Dam SOD Act	201,351.00
2563 · Lauro Dam SOD Act	31,080.14
2565 · Accrued Interest SOD Act	57,465.00
2567 · Loan Payable Current EPFP	434,126.11
2590 · Deferred Revenue	408,220.31
2594 · Deferred Revenue - Assessments	443,703.22
<b>Total Other Current Liabilities</b>	1,758,079.02
<b>Total Current Liabilities</b>	2,197,189.43
<b>Long Term Liabilities</b>	
2602 · Long Term SOD Act Liability-Bradbury	4,478,793.07
2603 · Long Term SOD Act Liability - Lauro	804,089.14
2604 · OPEB Long Term Liability	5,384,212.00
2605 · Loan Payable Principal - EPFP	272,563.31
2610 · Net Pension Liability (GASB 68)	1,732,868.00
2611 · Deferred Inflow of Resources (GASB 68)	141,294.00
<b>Total Long Term Liabilities</b>	12,813,819.52
<b>Total Liabilities</b>	15,011,008.95
<b>Net Position</b>	
3000 · Opening Bal Net Position	(5,296,580.05)
3901 · Retained Net Assets	(880,829.03)
<b>Net Income</b>	(411,156.66)
<b>Total Net Position</b>	(6,588,565.74)
<b>TOTAL LIABILITIES &amp; NET POSITION</b>	<b>\$ 8,422,443.21</b>

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures**  
 Budget vs. Actuals July 2019 - June 2020

	Fisheries				Operations				TOTAL			
	Jul - Dec 19	Budget	\$ Over / Under Budget	% of Budget	Jul - Dec 19	Budget	\$ Over / Under Budget	% of Budget	Jul - Dec 19	Budget	\$ Over / Under Budget	% of Budget
<b>Revenue</b>												
<b>3000 REVENUE</b>												
3001 - O&M Budget (Qtrly Assessments)	\$ 468,318.00	\$ 936,631.00	\$ (468,313.00)	50.0%	\$ 1,843,684.00	\$ 3,687,371.00	\$ (1,843,687.00)	50.0%	\$ 2,312,002.00	\$ 4,624,002.00	\$ (2,312,000.00)	50.0%
3006 - Warren Act	293,613.02	591,523.00	-297,909.98	49.64%	0.00				293,613.02	591,523.00	-297,909.98	49.64%
3009 - EPPF Loan (Qtrly Assessments)	0.00				231,725.08				231,725.08	0.00	231,725.08	100.0%
3010 - Interest Income	0.00				8,363.69				8,363.69	0.00	8,363.69	100.0%
3020 - Misc Income	0.00				750.00				750.00	0.00	750.00	100.0%
3021 - Grant Income	0.00				448.00				448.00	0.00	448.00	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%
3042 - Sycamore Cnyn Slope Stabln Reim	0.00				381,270.00	450,752.00	-69,482.00	84.59%	381,270.00	450,752.00	-69,482.00	84.59%
3043 - Grant-QC Crossing #8	0.00	1,010,700.00	-1,010,700.00	0.0%	0.00				0.00	1,010,700.00	-1,010,700.00	0.0%
<b>Total 3000 REVENUE</b>	<b>761,931.02</b>	<b>2,628,854.00</b>	<b>-1,866,922.98</b>	<b>28.98%</b>	<b>2,466,240.77</b>	<b>4,138,123.00</b>	<b>-1,671,882.23</b>	<b>59.6%</b>	<b>3,228,171.79</b>	<b>6,766,977.00</b>	<b>-3,538,805.21</b>	<b>47.71%</b>
<b>Gross Profit</b>	<b>\$ 761,931.02</b>	<b>\$ 2,628,854.00</b>	<b>\$ (1,866,922.98)</b>	<b>28.98%</b>	<b>\$ 2,466,240.77</b>	<b>\$ 4,138,123.00</b>	<b>\$ (1,671,882.23)</b>	<b>59.6%</b>	<b>\$ 3,228,171.79</b>	<b>\$ 6,766,977.00</b>	<b>\$ (3,538,805.21)</b>	<b>47.71%</b>
<b>Expense</b>												
<b>3100 - LABOR - OPERATIONS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		<b>\$ 457,247.25</b>	<b>\$ 952,164.00</b>	<b>\$ (494,916.75)</b>	<b>48.02%</b>	<b>\$ 457,247.25</b>	<b>\$ 952,164.00</b>	<b>\$ (494,916.75)</b>	<b>48.02%</b>
<b>3200 VEH &amp; EQUIPMENT</b>												
3201 - Vehicle/Equip Mtce	0.00				14,756.20	30,000.00	-15,243.80	49.19%	14,756.20	30,000.00	-15,243.80	49.19%
3202 - Fixed Capital	0.00				0.00	15,000.00	-15,000.00	0.0%	0.00	15,000.00	-15,000.00	0.0%
3203 - Equipment Rental	0.00				520.36	5,000.00	-4,479.64	10.41%	520.36	5,000.00	-4,479.64	10.41%
3204 - Miscellaneous	0.00				1,322.04	5,000.00	-3,677.96	26.44%	1,322.04	5,000.00	-3,677.96	26.44%
<b>Total 3200 VEH &amp; EQUIPMENT</b>	<b>0.00</b>				<b>16,598.60</b>	<b>55,000.00</b>	<b>-38,401.40</b>	<b>30.18%</b>	<b>16,598.60</b>	<b>55,000.00</b>	<b>-38,401.40</b>	<b>30.18%</b>
<b>3300 - CONTRACT LABOR</b>												
3301 - Conduit, Meter, Valve & Misc	0.00				3,858.53	20,000.00	-16,141.47	19.29%	3,858.53	20,000.00	-16,141.47	19.29%
3302 - Buildings & Roads	0.00				2,984.96	20,000.00	-17,015.04	14.93%	2,984.96	20,000.00	-17,015.04	14.93%
3303 - Reservoirs	0.00				1,935.69	30,000.00	-28,064.31	6.45%	1,935.69	30,000.00	-28,064.31	6.45%
3304 - Engineering, Misc Services	0.00				35,913.20	25,000.00	10,913.20	143.65%	35,913.20	25,000.00	10,913.20	143.65%
<b>Total 3300 - CONTRACT LABOR</b>	<b>0.00</b>				<b>44,692.38</b>	<b>95,000.00</b>	<b>-50,307.62</b>	<b>47.05%</b>	<b>44,692.38</b>	<b>95,000.00</b>	<b>-50,307.62</b>	<b>47.05%</b>
<b>3400 - MATERIALS &amp; SUPPLIES</b>												
3401 - Conduit, Meter, Valve & Misc	0.00				46,037.72	65,000.00	-18,962.28	70.83%	46,037.72	65,000.00	-18,962.28	70.83%
3402 - Buildings & Roads	0.00				1,557.41	8,000.00	-6,442.59	19.47%	1,557.41	8,000.00	-6,442.59	19.47%
3403 - Reservoirs	0.00				1,204.13	5,000.00	-3,795.87	24.08%	1,204.13	5,000.00	-3,795.87	24.08%
<b>Total 3400 - MATERIALS &amp; SUPPLIES</b>	<b>0.00</b>				<b>48,799.26</b>	<b>78,000.00</b>	<b>-29,200.74</b>	<b>62.56%</b>	<b>48,799.26</b>	<b>78,000.00</b>	<b>-29,200.74</b>	<b>62.56%</b>
<b>3500 - OTHER EXPENSES</b>												
3501 - Utilities	0.00				3,003.38	7,000.00	-3,996.62	42.91%	3,003.38	7,000.00	-3,996.62	42.91%
3502 - Uniforms	0.00				1,141.63	5,000.00	-3,858.37	22.83%	1,141.63	5,000.00	-3,858.37	22.83%
3503 - Communications	0.00				6,936.31	20,500.00	-13,563.69	33.84%	6,936.31	20,500.00	-13,563.69	33.84%
3504 - USA & Other Services	0.00				1,219.85	4,000.00	-2,780.15	30.5%	1,219.85	4,000.00	-2,780.15	30.5%
3505 - Miscellaneous	0.00				4,896.68	8,000.00	-3,103.32	61.21%	4,896.68	8,000.00	-3,103.32	61.21%
3506 - Training	0.00				438.53	3,000.00	-2,561.47	14.62%	438.53	3,000.00	-2,561.47	14.62%
<b>Total 3500 - OTHER EXPENSES</b>	<b>0.00</b>				<b>17,636.38</b>	<b>47,500.00</b>	<b>-29,863.62</b>	<b>37.13%</b>	<b>17,636.38</b>	<b>47,500.00</b>	<b>-29,863.62</b>	<b>37.13%</b>
<b>4100 - LABOR - FISHERIES</b>	<b>342,856.65</b>	<b>704,515.00</b>	<b>-361,658.35</b>	<b>48.67%</b>	<b>0.00</b>				<b>342,856.65</b>	<b>704,515.00</b>	<b>-361,658.35</b>	<b>48.67%</b>
<b>4200 - VEHICLES &amp; EQUIP - FISHERIES</b>												
4270 - Vehicle/Equip Mtce	26,163.07	20,000.00	6,163.07	130.82%	0.00				26,163.07	20,000.00	6,163.07	130.82%
4280 - Fixed Capital	28,941.74	35,000.00	-6,058.26	82.69%	0.00				28,941.74	35,000.00	-6,058.26	82.69%
4290 - Miscellaneous	132.84	2,500.00	-2,367.16	5.31%	0.00				132.84	2,500.00	-2,367.16	5.31%
<b>Total 4200 - VEHICLES &amp; EQUIP - FISHERIES</b>	<b>55,237.65</b>	<b>57,500.00</b>	<b>-2,262.35</b>	<b>96.07%</b>	<b>0.00</b>				<b>55,237.65</b>	<b>57,500.00</b>	<b>-2,262.35</b>	<b>96.07%</b>

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures**  
 Budget vs. Actuals July 2019 - June 2020

	Fisheries				Operations				TOTAL			
	Jul - Dec 19	Budget	\$ Over / Under Budget	% of Budget	Jul - Dec 19	Budget	\$ Over / Under Budget	% of Budget	Jul - Dec 19	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	588.80	25,000.00	-24,411.20	2.36%	0.00				588.80	25,000.00	-24,411.20	2.36%
<b>Total 4220 · CONTRACT LABOR - FISHERIES</b>	<b>588.80</b>	<b>28,000.00</b>	<b>-27,411.20</b>	<b>2.1%</b>	<b>0.00</b>				<b>588.80</b>	<b>28,000.00</b>	<b>-27,411.20</b>	<b>2.1%</b>
<b>4300 · MATERIALS/SUPPLIES - FISHERIES</b>												
4390 · Miscellaneous	2,925.64	7,000.00	-4,074.36	41.8%	0.00				2,925.64	7,000.00	-4,074.36	41.8%
<b>Total 4300 · MATERIALS/SUPPLIES - FISHERIES</b>	<b>2,925.64</b>	<b>7,000.00</b>	<b>-4,074.36</b>	<b>41.8%</b>	<b>0.00</b>				<b>2,925.64</b>	<b>7,000.00</b>	<b>-4,074.36</b>	<b>41.8%</b>
<b>4500 · OTHER EXPENSES - FISHERIES</b>												
4502 · Uniforms	782.21	3,500.00	-2,717.79	22.35%	0.00				782.21	3,500.00	-2,717.79	22.35%
<b>Total 4500 · OTHER EXPENSES - FISHERIES</b>	<b>782.21</b>	<b>3,500.00</b>	<b>-2,717.79</b>	<b>22.35%</b>	<b>0.00</b>				<b>782.21</b>	<b>3,500.00</b>	<b>-2,717.79</b>	<b>22.35%</b>
<b>4999 · GENERAL &amp; ADMINISTRATIVE</b>												
5000 · Director Fees	0.00				4,841.20	12,500.00	-7,658.80	38.73%	4,841.20	12,500.00	-7,658.80	38.73%
5001 · Director Mileage	0.00				335.05	500.00	-164.95	67.01%	335.05	500.00	-164.95	67.01%
5100 · Legal	0.00				8,395.87	75,000.00	-66,604.13	11.19%	8,395.87	75,000.00	-66,604.13	11.19%
5101 · Audit	0.00				8,281.32	22,750.00	-14,468.68	36.4%	8,281.32	22,750.00	-14,468.68	36.4%
5150 · Unemployment Tax	0.00				4,949.89	5,000.00	-50.11	99.0%	4,949.89	5,000.00	-50.11	99.0%
5200 · Liability Insurance	0.00				29,024.00	50,551.00	-21,527.00	57.42%	29,024.00	50,551.00	-21,527.00	57.42%
5310 · Postage/Office Exp	0.00				3,199.05	5,000.00	-1,800.95	63.98%	3,199.05	5,000.00	-1,800.95	63.98%
5311 · Office Equip/Leases	0.00				3,773.32	9,200.00	-5,426.68	41.01%	3,773.32	9,200.00	-5,426.68	41.01%
5312 · Misc Admin Expenses	0.00				6,714.25	14,000.00	-7,285.75	47.96%	6,714.25	14,000.00	-7,285.75	47.96%
5313 · Communications	0.00				3,755.96	8,500.00	-4,744.04	44.19%	3,755.96	8,500.00	-4,744.04	44.19%
5314 · Utilities	0.00				3,458.81	9,737.00	-6,278.19	35.52%	3,458.81	9,737.00	-6,278.19	35.52%
5315 · Membership Dues	0.00				8,765.25	9,410.00	-644.75	93.15%	8,765.25	9,410.00	-644.75	93.15%
5316 · Admin Fixed Assets	0.00				0.00	3,000.00	-3,000.00	0.0%	0.00	3,000.00	-3,000.00	0.0%
5318 · Computer Consultant	0.00				10,546.71	16,500.00	-5,953.29	63.92%	10,546.71	16,500.00	-5,953.29	63.92%
5325 · Emp Training/Subscriptions	0.00				1,545.30	2,000.00	-454.70	77.27%	1,545.30	2,000.00	-454.70	77.27%
5330 · Admin Travel/Conferences	0.00				1,042.95	2,000.00	-957.05	52.15%	1,042.95	2,000.00	-957.05	52.15%
5331 · Public Information	0.00				0.00	3,500.00	-3,500.00	0.0%	0.00	3,500.00	-3,500.00	0.0%
<b>Total 4999 · GENERAL &amp; ADMINISTRATIVE</b>	<b>0.00</b>				<b>98,628.93</b>	<b>249,148.00</b>	<b>-150,519.07</b>	<b>39.59%</b>	<b>98,628.93</b>	<b>249,148.00</b>	<b>-150,519.07</b>	<b>39.59%</b>
<b>5299 · ADMIN LABOR</b>	<b>0.00</b>				<b>274,316.99</b>	<b>610,984.00</b>	<b>-336,667.01</b>	<b>44.9%</b>	<b>274,316.99</b>	<b>610,984.00</b>	<b>-336,667.01</b>	<b>44.9%</b>
<b>5400 · GENERAL &amp; ADMIN - FISHERIES</b>												
5407 · Legal - FD	9,108.00	100,000.00	-90,892.00	9.11%	0.00				9,108.00	100,000.00	-90,892.00	9.11%
5410 · Postage / Office Supplies	1,312.36	4,000.00	-2,687.64	32.81%	0.00				1,312.36	4,000.00	-2,687.64	32.81%
5411 · Office Equipment / Leases	2,001.75	6,518.00	-4,516.25	30.71%	0.00				2,001.75	6,518.00	-4,516.25	30.71%
5412 · Misc. Admin Expense	2,160.07	7,500.00	-5,339.93	28.8%	0.00				2,160.07	7,500.00	-5,339.93	28.8%
5413 · Communications	2,122.87	5,805.00	-3,682.13	36.57%	0.00				2,122.87	5,805.00	-3,682.13	36.57%
5414 · Utilities	1,860.90	5,243.00	-3,382.10	35.49%	0.00				1,860.90	5,243.00	-3,382.10	35.49%
5415 · Membership Dues	4,824.75	5,955.00	-1,130.25	81.02%	0.00				4,824.75	5,955.00	-1,130.25	81.02%
5416 · Admin Fixed Assets	0.00	3,000.00	-3,000.00	0.0%	0.00				0.00	3,000.00	-3,000.00	0.0%
5418 · Computer Consultant	5,317.53	9,000.00	-3,682.47	59.08%	0.00				5,317.53	9,000.00	-3,682.47	59.08%
5425 · Employee Education/Subscription	350.70	2,500.00	-2,149.30	14.03%	0.00				350.70	2,500.00	-2,149.30	14.03%
5426 · Director Fees	2,606.80	6,700.00	-4,093.20	38.91%	0.00				2,606.80	6,700.00	-4,093.20	38.91%
5427 · Director Mileage	180.40	300.00	-119.60	60.13%	0.00				180.40	300.00	-119.60	60.13%
5430 · Travel	197.89	2,500.00	-2,302.11	7.92%	0.00				197.89	2,500.00	-2,302.11	7.92%
5431 · Public Information	1,000.00	1,500.00	-500.00	66.67%	0.00				1,000.00	1,500.00	-500.00	66.67%

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures**  
 Budget vs. Actuals July 2019 - June 2020

	Fisheries				Operations				TOTAL			
	Jul - Dec 19	Budget	\$ Over / Under Budget	% of Budget	Jul - Dec 19	Budget	\$ Over / Under Budget	% of Budget	Jul - Dec 19	Budget	\$ Over / Under Budget	% of Budget
5441 - Audit	7,884.18	12,250.00	-4,365.82	64.36%	0.00				7,884.18	12,250.00	-4,365.82	64.36%
5443 - Liab & Property Ins	15,628.30	24,745.00	-9,116.70	63.16%	0.00				15,628.30	24,745.00	-9,116.70	63.16%
<b>Total 5400 - GENERAL &amp; ADMIN - FISHERIES</b>	<b>56,556.50</b>	<b>197,516.00</b>	<b>-140,959.50</b>	<b>28.63%</b>	<b>0.00</b>				<b>56,556.50</b>	<b>197,516.00</b>	<b>-140,959.50</b>	<b>28.63%</b>
5499 - ADMIN LABOR-FISHERIES	100,443.10	240,823.00	-140,379.90	41.71%	0.00				100,443.10	240,823.00	-140,379.90	41.71%
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				190.85	35,000.00	-34,809.15	0.55%	190.85	35,000.00	-34,809.15	0.55%
6090 - COMB Office Building	0.00				3,376.40	25,000.00	-21,623.60	13.51%	3,376.40	25,000.00	-21,623.60	13.51%
6096 - SCC Structure Rehabilitation	0.00				0.00	400,000.00	-400,000.00	0.0%	0.00	400,000.00	-400,000.00	0.0%
6097 - GIS and Mapping	0.00				4,650.00	10,000.00	-5,350.00	46.5%	4,650.00	10,000.00	-5,350.00	46.5%
6105 - ROW Management Program	0.00				0.00	20,000.00	-20,000.00	0.0%	0.00	20,000.00	-20,000.00	0.0%
6120 - Emergency Pumping Fac Project	0.00				21,115.00	225,000.00	-203,885.00	9.38%	21,115.00	225,000.00	-203,885.00	9.38%
6132 - Sycamore Canyon Slope Stabiliz	0.00				573,359.49	605,242.00	-31,882.51	94.73%	573,359.49	605,242.00	-31,882.51	94.73%
6135 - SCC San Jose Creek Pipe Stabili	0.00				179,060.97	150,000.00	29,060.97	119.37%	179,060.97	150,000.00	29,060.97	119.37%
6136 - SCC Isolation Valve Evaluation	0.00				0.00	150,000.00	-150,000.00	0.0%	0.00	150,000.00	-150,000.00	0.0%
6137 - SCC Lower Reach Lateral Structu	0.00				12,491.00	150,000.00	-137,509.00	8.33%	12,491.00	150,000.00	-137,509.00	8.33%
6138 - Cachuma Watershed Mgmt Study	0.00				88,507.50	275,085.00	-186,577.50	32.18%	88,507.50	275,085.00	-186,577.50	32.18%
<b>Total 6000 - SPECIAL PROJECTS</b>	<b>0.00</b>				<b>882,751.21</b>	<b>2,045,327.00</b>	<b>-1,162,575.79</b>	<b>43.16%</b>	<b>882,751.21</b>	<b>2,045,327.00</b>	<b>-1,162,575.79</b>	<b>43.16%</b>
<b>6200 - FISHERIES ACTIVITIES</b>												
6201 - FMP Implementation	4,282.72	33,000.00	-28,717.28	12.98%	0.00				4,282.72	33,000.00	-28,717.28	12.98%
6202 - GIS and Mapping	2,800.00	10,000.00	-7,200.00	28.0%	0.00				2,800.00	10,000.00	-7,200.00	28.0%
6203 - Grants Technical Support	0.00	10,000.00	-10,000.00	0.0%	0.00				0.00	10,000.00	-10,000.00	0.0%
6204 - SYR Hydrology Technical Support	0.00	6,000.00	-6,000.00	0.0%	0.00				0.00	6,000.00	-6,000.00	0.0%
6205 - USGS Stream Gauge Program	32,324.15	100,000.00	-67,675.85	32.32%	0.00				32,324.15	100,000.00	-67,675.85	32.32%
6206 - Tri County Fish Team Funding	0.00	5,000.00	-5,000.00	0.0%	0.00				0.00	5,000.00	-5,000.00	0.0%
6207 - Oak Tree Restoration Program	5,079.07	30,000.00	-24,920.93	16.93%	0.00				5,079.07	30,000.00	-24,920.93	16.93%
<b>Total 6200 - FISHERIES ACTIVITIES</b>	<b>44,485.94</b>	<b>194,000.00</b>	<b>-149,514.06</b>	<b>22.93%</b>	<b>0.00</b>				<b>44,485.94</b>	<b>194,000.00</b>	<b>-149,514.06</b>	<b>22.93%</b>
<b>6300 - HABITAT ENHANCEMENT</b>												
6303 - Tributary Projects Support	0.00	20,000.00	-20,000.00	0.0%	0.00				0.00	20,000.00	-20,000.00	0.0%
6315 - Quiota Creek Crossing 8	1,178,906.99	1,176,000.00	2,906.99	100.25%	0.00				1,178,906.99	1,176,000.00	2,906.99	100.25%
<b>Total 6300 - HABITAT ENHANCEMENT</b>	<b>1,178,906.99</b>	<b>1,196,000.00</b>	<b>-17,093.01</b>	<b>98.57%</b>	<b>0.00</b>				<b>1,178,906.99</b>	<b>1,196,000.00</b>	<b>-17,093.01</b>	<b>98.57%</b>
7007 - INTEREST EXPENSE-EPPF	0.00				15,873.97				15,873.97	0.00	15,873.97	100.0%
<b>Total Expense</b>	<b>1,782,783.48</b>	<b>2,628,854.00</b>	<b>-846,070.52</b>	<b>67.82%</b>	<b>1,856,544.97</b>	<b>4,138,123.00</b>	<b>-2,281,578.03</b>	<b>44.86%</b>	<b>3,639,328.45</b>	<b>6,766,977.00</b>	<b>-3,127,648.55</b>	<b>53.78%</b>
<b>Net Surplus / Deficit</b>	<b>\$ (1,020,852.46)</b>	<b>\$ -</b>	<b>\$ (1,020,852.46)</b>	<b>100.0%</b>	<b>\$ 609,695.80</b>	<b>\$ -</b>	<b>\$ 609,695.80</b>	<b>100.0%</b>	<b>\$ (411,156.66)</b>	<b>\$ -</b>	<b>\$ (411,156.66)</b>	<b>100.0%</b>

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	January 27, 2020
Submitted by:	Janet Gingras

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**SUBJECT:** Investment Report – December 31, 2019

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### **RECOMMENDATION**

The Board of Directors receive and file the Cachuma Operation and Maintenance Board Investment Report as of December 31, 2019.

### **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 monthly effective yield rate, as of December 2019, is reported at 2.043%.

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

TABLE 1			
Unrestricted Reserve Funds		Date	Principal
Local Agency Investment Fund (LAIF)			
Previous Balance		11/30/2019	\$ 1,036,613.72
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-261,000.00
Statement Balance		12/31/2019	\$ 775,613.72

#### 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		Date	Principal
American Riviera Bank Renewal Account			
	Previous Balance	11/30/2019	\$ 10,215.61
	(+) Deposits/Credits		-
	(-) Checks/Withdrawals		-
	Statement Balance	12/31/2019	\$ 10,215.61
American Riviera Bank Warren Acct Trust Fund			
	Previous Balance	11/30/2019	\$ 691,617.72
	(+) Deposits/Credits		-
	(-) Checks/Withdrawals		-293,613.02
	Statement Balance	12/31/2019	\$ 398,004.70

**STATEMENT**

The above statement of investment activity for the month of December, 2019, 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 December 31, 2019

Date	Num	Name	Memo	Amount
<b>1050 - General Fund</b>				
12/06/2019	27302	Advanced Cable Systems	Replace Damaged Network Cable	-395.89
12/06/2019	27303	Aqua-Flo Supply	Supplies (Fisheries)	-58.42
12/06/2019	27304	Buena Tool Co.	2019 Ford Ranger - Truck Toolbox (Fisheries)	-766.69
12/06/2019	27305	Business Card	Website Hosting, Tires, GoPro, Supplies (Ops & Fisheries)	-1,876.95
12/06/2019	27306	City of Santa-Barbara	Trash / Recycling November 2019	-285.46
12/06/2019	27307	Cori Hayman	Director Meeting Fees November 2019	-323.20
12/06/2019	27308	Culligan of Sylmar	RO Rental December 2019	-28.95
12/06/2019	27309	Earth Systems	San Jose Creek Pipe Stabilization - Concrete Testing	-978.15
12/06/2019	27310	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality Study - Sampling	-700.00
12/06/2019	27311	Farm Supply Company	Quiota Creek Crossing 8 - Supplies	-230.93
12/06/2019	27312	Filippin Engineering, Inc.	Quiota Creek Crossing 8 - Engineering Services	-8,230.00
12/06/2019	27313	Frontier Communications	Phone Service - Ortega Reservoir	-62.96
12/06/2019	27314	Frontier Communications	Phone Service - Carpinteria Reservoir	-62.96
12/06/2019	27315	Frontier Communications	Phone Services - Alarm/Fax/Modem/Board Room	-194.25
12/06/2019	27316	Frontier Communications	Phone Service - North Portal	-62.99
12/06/2019	27317	Gibbs Truck Centers	Water Truck Repair (Fisheries)	-13,252.05
12/06/2019	27318	Harrison Hardware	Supplies (Fisheries)	-7.53
12/06/2019	27319	HDR Engineering, Inc.	FMP Implementation & Quiota Creek Crossing 8 - Engineering Services	-6,166.59
12/06/2019	27320	HDR Engineering, Inc.	San Jose Creek Pipe Stabilization - Engineering Services	-4,922.21
12/06/2019	27321	J&C Services	Office Cleaning Service - Weekly 11/1/19 - 11/22/19	-600.00
12/06/2019	27322	Kristen Sneddon	Director Meeting Fees November 2019	-464.42
12/06/2019	27323	Lauren W. Hanson	Director Meeting Fees November 2019	-155.80
12/06/2019	27324	Manzanita Nursery	Oak Tree Program - Replacement Seedlings	-862.00
12/06/2019	27325	Nestle Pure Life Direct	Operations Safety	-88.99
12/06/2019	27326	O'Reilly Automotive, Inc.	Supplies (Ops)	-8.69
12/06/2019	27327	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 11/15/19 & 11/29/19	-193.50
12/06/2019	27328	Polly Holcombe	Director Meeting Fees November 2019	-288.82
12/06/2019	27329	Powell Garage	2015 & 2018 Ford F-150s - Oil Changes (Fisheries)	-166.75
12/06/2019	27330	Southern California Edison	Electricity - Main & Outlying Stations	-867.47
12/06/2019	27331	Sparkletts	Operations Safety	-43.50
12/06/2019	27332	Spatial Wave	GIS & Mapping - Field Mapplet Software Maintenance January-March 2020 (Ops)	-925.00
12/06/2019	27333	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee (Ops)	-158.50
12/06/2019	27334	Wells Fargo Vendor Fin Serv	Copier Leases - Kyocera Taskalpas 3051ci & 6052ci	-411.08
12/06/2019	27335	Winema Industrial & Safety Supply	Calibration of Equipment (Ops)	-293.82
12/06/2019	27336	Wright Express Fleet Services	Fleet Fuel November 2019 (Ops & Fisheries)	-3,172.06
12/06/2019	27337	Zac Gonzalez Landscaping & Tree Care	Grounds Maintenance November 2019	-480.00
12/09/2019	27338	SWRCB	Quiota Creek Crossing 8 - Construction Permit Application Fee	-442.00
12/17/2019	27339	AECOM Technical Services, Inc.	Quiota Creek Crossing 8 - Engineering Services	-6,650.00
12/17/2019	27340	All Around Landscape Supply	Supplies (Fisheries)	-2.17
12/17/2019	27341	Association of Ca Water Agencies/JPIA	January Health Benefits Premium	-32,912.74
12/17/2019	27342	AT&T	Long Distance Service 10/28/19-11/27/19	-68.16
12/17/2019	27343	Carpinteria Valley Lumber Company	Supplies (Ops)	-68.72
12/17/2019	27344	Coastal Copy, LP	Copier Maintenance Agreement - Taskalpas 3051ci & 6052ci	-361.29
12/17/2019	27345	County of Santa-Barbara	Lauro Clean Up (Ops)	-27.00
12/17/2019	27346	Cox Communications Santa Barbara	Business Internet December 2019	-140.00
12/17/2019	27347	ECHO Communications	Message Service December 2019	-67.35
12/17/2019	27348	Elijah Papen	Reimburse Training & Certification Expenses (Ops)	-308.53
12/17/2019	27349	Fugro Consultants, Inc.	Quiota Creek Crossing 8 - Engineering Services	-117.50
12/17/2019	27350	Home Depot Credit Services	Supplies (Ops & Fisheries)	-405.66
12/17/2019	27351	Impulse Advanced Communications	Phone Service - Main Office	-447.38
12/17/2019	27352	Jifco, Inc.	South Coast Conduit Rehabilitation - Pipes & Flanges	-32,290.63
12/17/2019	27353	Manzanita Nursery	Oak Tree Program - 50 Replacement Seedlings	-862.00
12/17/2019	27354	MarBorg Industries	Trash / Recycling December 2019	-358.49
12/17/2019	27355	Premiere Global Services	Conference Calls November 2019	-37.90
12/17/2019	27356	Southern California Edison	Electricity - Outlying Stations	-32.08
12/17/2019	27357	Specialty Tool, LTD	Supplies (Ops)	-189.64
12/17/2019	27358	Staples Credit Plan	Office Supplies (Ops & Fisheries)	-185.87
12/17/2019	27359	The Gas Company	Gas - Main Office	-17.42
12/17/2019	27360	Turenchalk Network Services, Inc.	Dell Computer Workstation (Ops)	-671.28
12/17/2019	27361	Turenchalk Network Services, Inc.	Network Support	-3,477.61
12/17/2019	27362	Verizon Wireless	Operations Cell Phone, iPads & Modems	-794.35
12/26/2019	ACH122619A	American Riviera Bank (ARB)	EPFP Loan Payment 1 of 2	-28,123.75
12/26/2019	ACH122619B	American Riviera Bank (ARB)	EPFP Loan Payment 2 of 2	-10,354.21
12/30/2019	27363	Aqua-Flo Supply	Supplies (Fisheries)	-50.88
12/30/2019	27364	Bedrock Building Supplies	Supplies - Lauro Reservoir (Ops)	-36.43

**Cachuma Operation & Maintenance Board**

**Paid Claims**

As of December 31, 2019

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
12/30/2019	27365	Business Card	Website Hosting, Supplies (Ops & Fisheries)	-662.14
12/30/2019	27366	City of Santa Barbara-Central Stores	Personal Protective Equipment (Ops)	-278.45
12/30/2019	27367	Cori Hayman	Director Meeting Fees December 2019	-323.20
12/30/2019	27368	Cushman Contracting Corp.	EPPF Pumping System - Pay Req #68	-3,500.00
12/30/2019	27369	Farm Supply Company	Oak Tree Program - Gopher Baskets	-1,672.82
12/30/2019	27370	Federal Express	Shipping (Ops & Fisheries)	-321.49
12/30/2019	27371	Filippin Engineering, Inc.	Quiota Creek Crossing 8 - Engineering Services	-3,330.00
12/30/2019	27372	Integra Chemical Company	Shutdown Supplies (Ops)	-1,882.83
12/30/2019	27373	Kristen Sneddon	Director Meeting Fees December 2019	-309.62
12/30/2019	27374	Lauren W. Hanson	Director Meeting Fees December 2019	-311.60
12/30/2019	27375	Manzanita Nursery	Quiota Creek Crossing 8 - Habitat Restoration	-692.00
12/30/2019	27376	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 12/13/19 & 12/27/19	-193.50
12/30/2019	27377	PG&E	Electricity - North Portal & Tecolote Tunnel	-399.94
12/30/2019	27378	Pitney Bowes Global Financial Services LL	Postage Meter Quarterly Lease Payment 1/10/20 - 4/9/20	-436.16
12/30/2019	27379	Polly Holcombe	Director Meeting Fees December 2019	-288.82
12/30/2019	27380	Sparkletts	Operations Safety	-9.03
12/30/2019	27381	Valley Compost & Topsoil, Inc.	Quiota Creek Crossing 8 - Habitat Restoration	-80.81
Total 1050 - General Fund				-181,980.03
<b>TOTAL</b>				<b><u>-181,980.03</u></b>

**APPROVALS**

DIRECTOR \_\_\_\_\_

DIRECTOR \_\_\_\_\_

DIRECTOR \_\_\_\_\_

# CACHUMA OPERATION & MAINTENANCE BOARD

## Administrative Committee Meeting

3301 Laurel Canyon Road  
Santa Barbara, CA 93105

Thursday, January 16, 2020  
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 not on the agenda and within the Committee's jurisdiction*)
3. Contracts Executed by the General Manager – 2<sup>nd</sup> Quarter Fiscal Year 2019-20 (*for information*)
4. Financial Review – 2<sup>nd</sup> Quarter Fiscal Year 2019-20 (*for information*)
5. IT Network Upgrades (*for information*)
6. Draft Resolution No. 704 – Draft Personnel Policy and Employee Handbook (*for information and possible recommendation*)
7. Adjournment

#### NOTICE TO THE PUBLIC

**Public Comment:** The public is welcome to attend 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

## Operations Committee Meeting

3301 Laurel Canyon Road  
Santa Barbara, CA 93105

**Friday, January 17, 2020**  
**9:00 AM**

### AGENDA

*Chair: Director Sneddon*  
*Member: Director Holcombe*

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter not on the agenda and within the Committee's jurisdiction*)
3. Draft COMB 2021-2025 Infrastructure Improvement Plan (*for information and possible recommendation*)
4. Engineering / Operations Projects Update (*for information and possible recommendation*)
  - Water Quality and Sediment Management Study
  - AWIA Risk and Resiliency Assessment
  - AVAR/BO Rehabilitation Project
  - Secured Pipeline Project Engineering Designs
  - SCADA Upgrade Project
5. Adjournment

#### NOTICE TO THE PUBLIC

**Public Comment:** The public is welcome to attend 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

## Fisheries Committee Meeting

3301 Laurel Canyon Road  
Santa Barbara, CA 93105

**Tuesday, January 21, 2020**  
**1:00 PM**

### AGENDA

*Chair: Director Hanson*  
*Member: Director Hayman*

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter not on the agenda and within the Committee's jurisdiction*)
3. Quiota Creek Crossing No. 8 Fish Passage Improvement Project – Preliminary Final Report (*for information and possible recommendation*)
4. Reclamation Request for Technical / Implementation Support (*for information and possible recommendation*)
5. Annual Monitoring Reports (AMR) / Annual Monitoring Summary (AMS) Updates (*for information*)
6. Presentation on Habitat Improvement Projects (*for information*)
7. Update on Recent Fisheries Division Activities (*for information*)
8. Adjournment

#### NOTICE TO THE PUBLIC

**Public Comment:** The public is welcome to attend 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 569-1391 at least 48 hours prior to the meeting to enable staff to make reasonable arrangements.

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

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	January 27, 2020
Submitted by:	Janet Gingras

**SUBJECT:** Contracts Executed By General Manager - 2nd Quarter Fiscal Year 2019-20

**RECOMMENDATION:**

The Board of Directors receive and file information on the 2<sup>nd</sup> Quarter Fiscal Year 2019-20 contracts executed by the General Manager.

**SUMMARY:**

Pursuant to the COMB Procurement Policy adopted by the Board on March 27, 2017, a quarterly report of all contracts executed by the General Manager for the period of October 1, 2019 through December 31, 2019 is presented for information.

Under the general procurement guidelines, Section 2 of the COMB Procurement Policy authorizes the General Manager to approve expenditures made for official Agency business up to a maximum of \$25,000, provided such expenditures are within the budget, as adopted by the Agency.

Table 1 below lists all contracts executed by the General Manager for the period October 1, 2019 through December 31, 2019, sorted by execution date.

Table 1				
Contracts Executed by General Manager				
October 1 - December 31, 2019				
Vendor Name	Contract Description	Date Executed	Date Expires	Contract Amount
Tierra Contracting, Inc.	San Jose Creek Pipe Stabilization	10/08/2019	10/31/2019	\$139,500
CalTrol, Inc.	Corona Del Mar EMI Slide Gate Repair	11/21/2019	12/31/2020	\$4,735
Peter Lapidus Construction, Inc.	Quiota Creek Crossing 8 Construction Change Order #1	12/06/2019	12/31/2019	\$31,920
Peter Lapidus Construction, Inc.	Quiota Creek Crossing 8 Construction Change Order #2	12/06/2019	12/31/2019	\$25,608
Peter Lapidus Construction, Inc.	Quiota Creek Crossing 8 Construction Change Order #3	12/11/2019	12/31/2019	\$12,387
Aspect Engineering Group	Lauro PLC-7 Upgrade & Replacement	12/16/2019	03/31/2020	\$34,990
Makai Ocean Engineering, Inc.	Lake Cachuma Secured Pipeline Design	12/18/2019	05/15/2020	\$173,927

**COMMITTEE STATUS:**

The Administrative Committee reviewed the contracts executed by the General Manager for the 2<sup>nd</sup> Quarter Fiscal Year 2019-20 and forwards to the Board to receive and file.

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	January 27, 2020
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

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**SUBJECT:**     **Financial Review – 2nd Quarter Fiscal Year 2019-20**

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**RECOMMENDATION:**

The Board of Directors receive and file the 2<sup>nd</sup> Quarter Fiscal Year 2019-20 Financial Review and exhibit.

**DISCUSSION:**

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

**FISCAL ANALYSIS:**

**Revenues Assessed and Collected**

- COMB assessed and collected \$1.16M in quarterly O&M Budget Assessments for the period October – December 2019. Additionally, pursuant to the Separation Agreement, starting in Fiscal Year 2017-18 and going forward, certain actual expenditures incurred by COMB will be collected from Santa Ynez River Conservation District, ID No. 1 (a non-member agency) through an invoice issued quarterly by COMB. COMB is currently pursuing collection of unpaid amounts from ID No. 1 for fiscal years 2017-18, 2018-19 and 2019-20.
- COMB collected in \$343.3K from FEMA/CalOES related to the Sycamore Canyon Slope Stabilization project. Additionally, COMB submitted a final Request for Reimbursement to CalOES following the completion of the project. A final review with Cal/OES has not yet been scheduled due to a backlog of disaster claims at the state level.
- COMB collected \$293.6K from the Warren Act Trust Fund for Fisheries and Oak Tree Program related expenses incurred for the period July – November 2019.
- COMB assessed \$115.8K in quarterly EPFP Loan Assessments related to loan repayments made on behalf of Goleta Water District and Montecito Water District pertaining to the Emergency Pumping Facility for the period Oct – December 2019. Payments are due by the end of January, 2020.
- COMB collected \$60.9K in pass thru charges from the Cachuma Project Member Units for State Water Resource Control Board fees.
- COMB collected \$8.3k in interest income for funds held with LAIF.

## **Expenditures To Date (% of Budget Apportioned thru December – 6 months or 50%)**

### **General and Administrative (Combined)**

- General and Administrative Expenses include costs for support of all administrative functions of COMB such as: Director fees, legal expenditures, general liability and property insurance, audit fees, temporary/contract labor, utilities, IT and communications, postage and office supplies, training, education and subscriptions and miscellaneous expenses. Costs are generally allocated between Operations and Maintenance (65%) and Fisheries Division (35%). General and Administrative expenses of \$155.2K (34.7%) are within budget. Notable expenses include payment of the annual ACWA-JPIA Auto and General Liability premium (\$40.7K). COMB recognized a 31% decrease in premium as compared to FY 2018-19 due to a decrease in claims incurred and reported for the prior 3 years measuring period.

### **General and Administrative (Continued)**

- General and Administrative Labor includes salaries, employer taxes, health insurance and retirement benefit costs for the COMB General Manager and Administrative staff. General and Administrative Labor expense of \$374.8K (44.0%) are slightly less than the appropriated budget due to a vacant position.
- **The total combined General and Administrative expenses and labor of \$529.9K (40.8%) through December are within budget.**

### **Operations Division**

- Operation and Maintenance Labor includes salaries, employer taxes, health insurance and retirement benefit costs. Personnel costs of \$457.2K (48.0%) are within budget. COMB filled one vacant position in August. There are no additional vacancies at this time.
- Vehicles & Equipment includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Actual costs of \$16.6K (30.2%) are within budget.
- Contract Labor contains funds for outside services and labor that cannot be supported by COMB staff which may include elevator maintenance or repair, tree trimming and removal services, heavy equipment and operators' labor costs for various small projects including meter calibration and meter repair. Projects and staff assignments are reviewed by the General Manager and Operations Division Manager to control costs in this category. Actual costs of \$44.7K (47.0%) are within budget.
- Materials and Supplies covers costs related to the operation and maintenance of the conduit, reservoirs, and outlying buildings and roads. Actual costs of \$48.8K (62.6%) are higher than the apportioned budget. Notable expenses include the purchase of materials and supplies for the upcoming South Coast Conduit Rehabilitation scheduled for January 2020.
- Other Expenses includes utilities, uniforms, hazardous waste disposal, communications (phones at facilities, and cell phones for operations and maintenance), Underground Service Alerts, and employee training and certifications. Actual costs of \$17.6K (37.1%) are within budget.
- Special Projects - Board policy requires that all infrastructure improvement projects are to be approved through Committee and by the Board prior to commencement. Actual costs through December were \$882.8K. This amount is attributed to the following projects: Sycamore Canyon Slope Stabilization (\$573.4K), San Jose Creek Pipe Stabilization (\$179.0K), Water Quality and Sediment Management Study (\$88.5K), SCC Lower Reach Lateral Structure Repair (\$12.5K) and the storage of key components of the pumping barge (\$21.1K). The timing and ranking of projects are dependent on factors such as: (1) water supply reliability, (2) risk, (3) critical need/life cycle of asset, (4) safety, and (5) service disruption necessary to accomplish project.
- **The total Operations Division expenses of \$1.86M (44.9%) through December are within budget.**

## Fisheries Division

- Fisheries Division Labor includes salaries, employer taxes, health insurance and retirement benefit costs for the Fisheries Division Manager, two Senior Field Biologists, a Biologist Aide position, and four part-time seasonal positions. Personnel costs of \$342.9K (48.7%) are within budget.
- Vehicles & Equipment includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Year to date actual costs of \$55.2K (96.1%) are higher than the apportioned budget. Notable one-time expenses include the purchase of a new budgeted fleet vehicle (\$28.9K) and unexpected major service repairs made to the International Water Truck (\$14.8K).
- Contract Labor contains funds for outside services/labor to support equipment calibration on flow meters, and funds for technical assistance corresponding to the operation, maintenance and performance review of completed fish passage projects. Projected consultant services are reviewed by the General Manager and Fisheries Division Manager to control costs in this category. No notable costs have been incurred in this category thru December. COMB has entered into an annual agreement with HDR Engineering to perform tasks outlined in an agreed upon scope of work (SOW) under this category. Work under this agreement is expected to occur periodically throughout the year.
- Materials and Supplies includes costs for the purchase of items needed for the Fisheries Monitoring Program specifically for migration, spawning and over-summering; constructing and repairing fish migration traps and the equipment necessary to conduct snorkel and redds surveys. Actual costs of \$2.9K (41.8%) are within budget.
- Other Expenses include funds to pay for uniforms and gear for the fisheries division employees. Actual costs of \$1K (22.3%) are within budget.
- Fisheries Division Activities includes funding for special activities related to ongoing Cachuma Project Biological Opinion (BiOp) compliance efforts, the implementation of the Lower Santa Ynez River Fisheries Monitoring Program (FMP), GIS mapping, grants technical support, USGS Stream Gauge Program and the Oak Tree Restoration Program. The use of external consultants and the timing of expenditures can vary year-to-year based on specific program needs or as particular stream or habitat issues arise. COMB has decreased the budget for FY 2019-20 in the amount of \$23K amongst these various categories. Actual costs of \$44.5K (22.9%) are within the apportioned budget.
- Fisheries Habitat Improvement - Board policy requires that all habitat improvement projects are to be approved through Committee and by the Board prior to commencement. Costs of \$1.18M (98.6%) through December are related to the Quiota Creek Crossing 8 project.
- **The total Fisheries Division expenses of \$1.78M (67.6%) through December are higher than budget due to the timing of construction related to the Fisheries Improvement projects referenced in the preceding paragraph. This amount is expected to be offset with anticipated grant reimbursement from the California Department of Fish and Wildlife during the third quarter of FY 2019-20.**

## Restricted Funds and Obligations

- **Warren Act Trust Fund (Restricted Fund)** - The Warren Act Trust Fund is a requirement of the Cachuma Project Warren Act Contract negotiated between the Central Coast Water Authority (CCWA) and the Bureau of Reclamation for delivery and transport of State Water Project (SWP) water through the Cachuma Project facilities. A 1995 memorandum of understanding executed in conjunction with the Warren Act Contract established a charge of \$43 per acre foot (AF) (\$58 initially with a \$15 service charge by Reclamation), which is not indexed. Payments are required upon delivery of SWP water to Cachuma Reservoir. CCWA makes quarterly payments to COMB based on the prior quarter's water deliveries to the lake.

The balance in the restricted is comprised of funds collected for calendar year 2018 SWP deliveries of \$591K. These funds were reviewed by the Cachuma Project Warren Act Trust

Funds Advisory Committee at their meeting in May 2019 and will be appropriated towards eligible FY 2019-20 fisheries activities.

COMB has collected an additional \$62.8K of Warren Act Trust Fund payments from CCWA for SWP deliveries that occurred in calendar year 2019. These funds will be reviewed by the committee during spring 2020 for use in FY 2020-21.

- **Renewal Funds (Restricted Fund)** - The Renewal Fund is a requirement of the 1995 Renewal Master Contract (executed in 1996) entered into for water conveyance from the Cachuma Project to the five Cachuma Project Member Units, which are the City of Santa Barbara, the Goleta Water District, the Montecito Water District, the Carpinteria Valley Water District, and the Santa Ynez River Water Conservation District, Improvement District No. 1 (ID No. 1).

The Renewal Master Contract requires the payment of \$10 per acre foot of water made available by the Cachuma Project. The Renewal Fund itself is capped at \$257,100, which is related to the current annual operational yield of 25,714 AF. The aggregate amount to be deposited in the Renewal Fund at the start of each Water year by the Cachuma Member Units is not to exceed an amount which bears a ratio to \$257,100, which is inverse to the ratio which the aggregate amount paid into the Warrant Act Trust Fund during the immediately preceding Calendar Year bears to \$300,000.

For WY 2019-20, the amount required to be deposited into the Renewal Fund by the Cachuma Member Units was zero based on the fact that the amount of funds deposited into the Warren Act Trust Fund exceeded the calculation threshold.

For WY 2020-21, COMB projects that the amount to be deposited into the Renewal Fund by the Cachuma Member Units to be \$203,200 based on actual deliveries for 2019.

- **EPFP Bank Loan Obligation** – During fiscal year ending 2015, COMB contracted for the construction of the Emergency Pumping Facilities Project (EPFP) to provide continued delivery of water from Lake Cachuma to the Member Agencies until sufficient inflow occurred and the reservoir levels returned to normal operating condition. In order to implement this large scale project, three of the four South Cost Member agencies agreed to finance their proportionate share through a commercial financing arrangement with the Bank of Santa Barbara, which merged with American Riviera Bank during 2016.

The Districts participating in the financing included Goleta Water District, Montecito Water District and Carpinteria Valley Water District. The City of Santa Barbara chose to fund their portion through quarterly assessments.

While COMB secured the financing of the project, the three districts participating in the debt obligation provided the guarantee for repayment of their allocated percentage.

The financing arrangement was converted to a sixty (60) month repayment loan as of July 25, 2016. Carpinteria Valley Water District opted to pay off their obligation in-full on or about the conversion date.

COMB assesses the remaining member agencies at the end of each quarter, for the monthly loan payments made on their behalf during that period. As of December 31, 2019, the total combined principal outstanding for the EPFP loan obligation is approximately \$706.7K.

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

The fifteen percent obligation under the Bradbury SOD contract is \$7,605,739 and is to be repaid by annual payments over a 50-year period. COMB's payment obligation for FY 2019-20 is \$261,647 and assesses the Member in accordance with each Member Agencies' Cachuma Project entitlement percentages.

The fifteen percent obligation under the Lauro SOD contract is \$1,009,737 and is to be repaid by annual payments over a 50-year period. COMB's payment obligation for FY 2019-20 is \$44,404.66 and assesses the South Coast Member Agencies (only) in accordance with each Member Agencies' pro-rata Cachuma Project entitlement percentages.

**COMMITTEE STATUS:**

The Administrative Committee has reviewed the 2<sup>nd</sup> Quarter Fiscal Year 2019-20 Financial Review and exhibit and forwards to the Board with a recommendation to receive and file.

**LIST OF EXHIBITS:**

- 1) Fiscal Year 2019-20 Statement of Revenue and Expenditures

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

	Fisheries				Operations				TOTAL			
	Jul - Dec 19	Budget	\$ Over / (Under)		Jul - Dec 19	Budget	\$ Over / (Under)		Jul - Dec 19	Budget	\$ Over / (Under)	
			Budget	% of Budget			Budget	% of Budget			Budget	% of Budget
<b>Income</b>												
Revenue	\$ 761,931.02	\$ 2,628,854.00	\$ (1,866,922.98)	29.0%	\$ 2,466,240.77	\$ 4,138,123.00	\$ (1,671,882.23)	59.6%	\$ 3,228,171.79	\$ 6,766,977.00	\$ (3,538,805.21)	47.7%
<b>Total Income</b>	<b>761,931.02</b>	<b>2,628,854.00</b>	<b>(1,866,922.98)</b>	<b>29.0%</b>	<b>2,466,240.77</b>	<b>4,138,123.00</b>	<b>(1,671,882.23)</b>	<b>59.6%</b>	<b>3,228,171.79</b>	<b>6,766,977.00</b>	<b>(3,538,805.21)</b>	<b>47.7%</b>
<b>Gross Profit</b>	<b>761,931.02</b>	<b>2,628,854.00</b>	<b>(1,866,922.98)</b>	<b>29.0%</b>	<b>2,466,240.77</b>	<b>4,138,123.00</b>	<b>(1,671,882.23)</b>	<b>59.6%</b>	<b>3,228,171.79</b>	<b>6,766,977.00</b>	<b>(3,538,805.21)</b>	<b>47.7%</b>
<b>Expense</b>												
General and Admin Expenses	56,556.50	197,516.00	(140,959.50)	28.6%	98,628.93	249,148.00	(150,519.07)	39.6%	155,185.43	446,664.00	(291,478.57)	34.7%
General and Admin Labor	100,443.10	240,823.00	(140,379.90)	41.7%	274,316.99	610,984.00	(336,667.01)	44.9%	374,760.09	851,807.00	(477,046.91)	44.0%
O&M Labor	-	-	-	-	457,247.25	952,164.00	(494,916.75)	48.0%	457,247.25	952,164.00	(494,916.75)	48.0%
O&M Vehicle & Equip	-	-	-	-	16,598.60	55,000.00	(38,401.40)	30.2%	16,598.60	55,000.00	(38,401.40)	30.2%
O&M Contract Labor	-	-	-	-	44,692.38	95,000.00	(50,307.62)	47.0%	44,692.38	95,000.00	(50,307.62)	47.0%
O&M Material and Supplies	-	-	-	-	48,799.26	78,000.00	(29,200.74)	62.6%	48,799.26	78,000.00	(29,200.74)	62.6%
O&M Other Expenses	-	-	-	-	17,636.38	47,500.00	(29,863.62)	37.1%	17,636.38	47,500.00	(29,863.62)	37.1%
O&M Special Projects	-	-	-	-	882,751.21	2,050,327.00	(1,167,575.79)	43.1%	882,751.21	2,050,327.00	(1,167,575.79)	43.1%
Fisheries Labor	342,856.65	704,515.00	(361,658.35)	48.7%	-	-	-	-	342,856.65	704,515.00	(361,658.35)	48.7%
Fisheries Vehicle & Equip	55,237.65	57,500.00	(2,262.35)	96.1%	-	-	-	-	55,237.65	57,500.00	(2,262.35)	96.1%
Fisheries Contract Labor	588.80	28,000.00	(27,411.20)	2.1%	-	-	-	-	588.80	28,000.00	(27,411.20)	2.1%
Fisheries Material and Supplies	2,925.64	7,000.00	(4,074.36)	41.8%	-	-	-	-	2,925.64	7,000.00	(4,074.36)	41.8%
Fisheries Other Expenses	782.21	3,500.00	(2,717.79)	22.3%	-	-	-	-	782.21	3,500.00	(2,717.79)	22.3%
Fisheries Activities	44,485.94	194,000.00	(149,514.06)	22.9%	-	-	-	-	44,485.94	194,000.00	(149,514.06)	22.9%
Fisheries Habitat Enhancement	1,178,906.99	1,196,000.00	(17,093.01)	98.6%	-	-	-	-	1,178,906.99	1,196,000.00	(17,093.01)	98.6%
Other Interest Expense - EPFP	-	-	-	-	15,873.97	-	15,873.97	100.0%	15,873.97	-	15,873.97	100.0%
<b>Total Expense</b>	<b>1,782,783.48</b>	<b>2,628,854.00</b>	<b>(846,070.52)</b>	<b>67.8%</b>	<b>1,856,544.97</b>	<b>4,138,123.00</b>	<b>(2,281,578.03)</b>	<b>44.9%</b>	<b>3,639,328.45</b>	<b>6,766,977.00</b>	<b>(3,127,648.55)</b>	<b>53.8%</b>
<b>Net Surplus / (Deficit)</b>	<b>\$ (1,020,852.46)</b>	<b>\$ -</b>	<b>\$ (1,020,852.46)</b>	<b>100.0%</b>	<b>\$ 609,695.80</b>	<b>\$ -</b>	<b>\$ 609,695.80</b>	<b>100.0%</b>	<b>\$ (411,156.66)</b>	<b>\$ -</b>	<b>\$ (411,156.66)</b>	<b>100.0%</b>

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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.”*

January 27, 2020

## **General Manager Report**

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

### Administration

- **IT Network Upgrades**

The current COMB computer network reflects two years of improvements made by staff and our outside consultant to streamline and upgrade our IT network system in an effort to make our IT infrastructure more reliable and secure. Some of the notable changes include installation of new firewall, transfer of server backup to offsite remote backup solution, installation of a second redundant virtual server, decommissioning of outdated servers, transfer of operational software to virtual server, and all workstations updated. The new network footprint has greatly increased security protection measures and reduces the external points of entry for potential unknown threats. These upgrades were critically important to protect against unauthorized access and necessary for operational safety as we continue to develop COMB's Cybersecurity Risk and Resiliency Plan.

### Meetings

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

The Santa Barbara County IRWMP Participating Cooperating Partners met on January 13, 2019. Jane Gray with Dudek informed the group that the IRWMP Plan Update was submitted and approved by DWR and in complete compliance with DWR's guidelines. The group was also informed that the IRWMP Round 1 final application was submitted in December. The application included the following four projects totaling \$3,331,045:

- Grant Administration - \$28,224
- Recycled Water Distribution to Waller Park – Laguna County Sanitation District - \$2M
- Regional Supply Pipeline Project – City of Santa Barbara and Montecito Water District - \$1M
- Effluent Irrigation Pump Station Rehabilitation – City of Guadalupe - \$302,821

DWR is expected to provide comments to the application by March. The group also received two presentations on the Santa Barbara County Climate Change Vulnerability Assessment and the Santa Barbara County Storm-Water Resources Plan.

### U.S. Bureau of Reclamation

- **Request for Technical Support**

Reclamation has requested COMB staff assistance to provide comments on a draft outline related to implementation efforts on Term 24 of the recently finalized State Board Order for the Cachuma Project. The Order requires Reclamation, as the permit holder, to develop plans and conduct studies on the Lower Santa Ynez River to evaluate measures necessary to keep the steelhead fishery in good condition at the individual, population, and community level. Staff provided Reclamation comments related to implementation efforts on the draft outline as requested. Staff indicated availability to discuss further any details related to implementation efforts that Reclamation would like to explore from a technical or historical standpoint. Reclamation has been in contact with the Cachuma Conservation Release Board (CCRB) staff to facilitate a coordinated effort in development of the written plans and studies related to this process. Staff will continue to update the Fisheries Committee and the Board as new information becomes available.

## **COMB 2019 Activities and Accomplishments by Division**

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### **Administrative Division Activities / Accomplishments**

#### **CAFR Audit / Budget Process**

- Fiscal Year 2017-18 Comprehensive Annual Financial Report (CAFR) was awarded the Certificate of Achievement for Excellence in Financial Reporting from the GFOA.
- Fiscal Year 2018-19 Audited Financial Statements received an unmodified (“clean”) opinion.
- Successfully completed a Single Audit requirement in compliance with two Federal grant awards received in Fiscal Year 2018-19. Received an unmodified (“clean”) opinion.
- Expanded Budget Document initiated and approved by Board.

#### **Risk Management**

- Initiated Cybersecurity Risk and Resiliency Assessment
- Recipient of ACWA/JPIA Presidents Special Recognition Award for low loss ratio in the Liability and Property Insurance programs.
- Recognized a 31% decrease in COMB’s auto and general liability insurance policy premiums as compared to the past two fiscal years

#### **Grant Funding**

- Participation in the Santa Barbara County Integrated Regional Water Management (IRWM) Plan 2019 Update which was adopted by the County Board of Supervisors
- Assisted in the application for additional FEMA funding for the Sycamore Canyon Slope Stabilization project.

#### **IT Technology / Communications**

- Advancement of IT network and infrastructure and security protocols.
- Completed an internal assessment of telephone hardware/software and long distance service costs which concluded with the installation of T1 line that resulted in a 35.8% reduction in annual communication costs.

#### **Policy and Procedure**

- Updated COMB Personnel Policy and Employee Handbook

#### **Reporting / Cost Tracking**

- Advancement of Water Accounting model
- Advancement of Infrastructure and Habitat Improvement Project Tracking activities and costs

### **Internal Goals**

- CAFR Budget Document developed - Fiscal Year 2020-21
- Implementation of updated Payroll processing system
- Complete Cyber Security Risk and Resiliency Assessment
- Development of Employee Health and Wellness Plan
- Advancement of Board Policies and Internal Procedures

### **Water Resources Engineer Activities / Accomplishments**

- **Lake Water Quality and Sediment Management Study** – Managed the Lake Cachuma Water Quality and Sediment Management Study on behalf of the member agencies
  - Provided supplemental water quality sampling at Lake Cachuma and incorporated water quality profiling at the Intake Tower for South Coast treatment plants as part of monthly sampling program
  - Upgraded and calibrated the water quality sonde to more efficiently take profiles including chlorophyll a and phycocyanin concentrations
- **Secured Pipeline Project** - Applied for and was awarded \$750k for the Secured Pipeline Project through Reclamation's FY 2019 Drought Resiliency Program - WaterSMART Grants.
- **Sycamore Canyon Slope Stabilization Project** - Completed Sycamore Canyon Slope Stabilization project which was partially funded by FEMA Public Assistance Program Grant
- **San Jose Creek Pipeline Protection Project** - Completed the emergency protection measures for the South Coast Conduit in San Jose Creek
- **Certifications** - Completed AWWA Utility Risk & Resilience Certification Program
  - Program analyst certified as D2 for staff resiliency
- **Asset Management** - Completed an asset management inventory for the Cachuma Project assets managed by COMB
- **Infrastructure Improvement Plan** - Prepared the FY 2021-2025 Infrastructure Improvement Plan
- **AVAR/BO Rehabilitation Project** - Completed Schedule B AVAR-BO Shutdown which involved 10 structures rehabilitated in a 72-hour shutdown window
- **ESRI User Conference** - Created a digital reconstruction of the original 1954 bathymetry survey and presented results and techniques to ESRI User Conference
- **Lake Cachuma Elevation Projection Model** - Continued to improve lake elevation projection modeling for water conveyance planning purposes
- **GIS/GPS** - Updated GIS of SCC incorporating elevations based on drawings to allow evaluation of depth of cover at key locations (slopes/creek crossings)
  - Updated plan and profiles of sections of the South Coast Conduit to better plan shutdowns and dewatering estimates
- **Hazard Mitigation Plan** - Drafted a COMB Annex to the Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan which was approved and adopted by FEMA, allowing COMB access to additional grant funding opportunities
  - Applied for HMP Pre-Disaster Mitigation Grant for the Montecito Line Valve Project requesting an amount of \$126,000
- **Emergency Pumping Facility Project (EPFP)** - Contracted and coordinated with Makai Ocean Engineering to prepare a feasibility study for a bottom-mounted secured pipeline as part of the Emergency Pumping Facility Project
- **Arroyo Paredon Bridge Replacement** - Worked with Caltrans and Lash Construction to ensure South Coast Conduit was protected while the Arroyo Paredon Bridge on State Route 192 was replaced.
- **Engineering Administration** - Digitized historical collection of Manager's Report of Operations (MROs) from the 1950s until present

### **Internal Goals**

- Manage ongoing long-term projects approved by Board
- Secure potential grant funding opportunities
- Continue enhancement of Lake Projection Model
- Update South Coast Conduit Hydraulic Model / System Schematic
- Complete 5-year Infrastructure Improvement Plan
- Advance Right-of-Way Program of work
-

**Operations Division Activities / Accomplishments**

- Successfully performed five shutdowns to complete important maintenance work
- Provided construction management of CalPortland to install rock slope protection at North Portal access road
- Provided construction management of Hanly General Engineering Corporation for the Sycamore Canyon Slope Stabilization project. Project was completed on time and on budget.
- Provided construction management of Tierra Contracting for the completion of San Jose Emergency repair project. Project was completed on time and on budget.
- Staff cleaned and recoated Lauro Control Station Valve Pit and influent flume line
- Staff completed installation of floorstands and stem extensions at Station 477+30 (San Antonio Creek Blowoff) and dug out degeneration box
- Rehabilitated Open Air Vent at Station 78+00 by replacing top corroded vault section and lid with the assistance of Cushman Contracting.
- Protected South Coast Conduit where it was exposed in culvert at Station 304+40 with the assistance of Kenney Construction.
- Performed the Routine Operation & Maintenance inspection with USBR Engineering staff and completed three recommendations following inspections (coated Lauro influent line, installed air vent at Barger Pass turnout and raised air vent at 230+51)
- Successfully performed Schedule B shutdown dewatering, construction management, and recharge to rehabilitate 10 structures with the assistance of Cushman Contracting
- Staff installed a new wash water pump at the Lake Cachuma intake tower
- Monitored the Wood Glenn culvert repair working in close coordination with the contractor and the City of Santa Barbara staff to ensure the SCC is properly protected during all aspects of the project.
- Monitored numerous construction projects along the right-of-way that were related to re-building following the Montecito debris flows in 2018. South Coast Conduit was protected.
- Hired two new water service worker 1 employees
- Replaced the North Portal gantry crane transformer
- Staff performed North and South reach structure maintenance
- Revegetated and planted native plants and trees at San Jose creek and Sycamore slide project sites.
- Attended USBR dam tender training
- Staff was recertified in CPR and first aid
- Staff participated in confined space training
- Staff replaced the Lauro outlet pipe AVAR
- Staff removed vegetation at all sites to ensure defensible space as required by the fire marshal
- Staff placed log boom sections at DeVaul Canyon to help prevent the spread of algae bloom

**Internal Goals**

- Emergency Response Plans updated
- Implementation of approved Infrastructure Improvement Projects
- Continue staff Professional Development and Training
- Implement Field Maplet system improvements
- Assist with SCADA System Improvements
- Safety and Security plans updated

### **Fisheries Division Activities / Accomplishments**

- Conducted all 2000 BiOp compliance monitoring in the LSYR basin and its tributaries including Lake Cachuma water quality monitoring.
- Completed the WY2016 and WY2017 Annual Monitoring Reports/Summaries.
- Submitted the WY2018 and WY2019 Annual Monitoring Reports/Summaries to Reclamation and the COMB Fisheries Committee.
- Wrote and successfully implemented the WY2019 Migrant Trapping Plan to stay within Incidental Take Limits as stipulated in the 2000 BiOp.
- Collaborated with CDFW on their DIDSON Fish Migration Program in Salsipuedes Creek.
- Conducted all Fish Passage Supplementation monitoring and reporting.
- Completed all Hilton Creek Gravel Augmentation implementation and reporting for the last of a 2 year program.
- Carefully monitored Hilton Creek during any high flow or interruption of flow events and provided reports to Reclamation.
- Completed all reporting and reimbursements for the Quiota Creek Crossing 5 and Crossing 9 Fish Passage Enhancement Projects.
- Completed construction of the Quiota Creek Crossing 8 Fish Passage Enhancement Projects, the last identified fish passage project within the Quiota Creek drainage.
- Obtained a state of the art backpack Electro-Fisher unit and had 4 full-time staff complete a week long training course conducted by US Fish and Wildlife Service in Electro-fishing that certifies staff in its use.
- Obtained a new state of the art YSI Sonde for water quality monitoring.
- Worked closely with Reclamation on all requested Bradbury Dam, HCWS and HCEBS testing, modifications or operations to safeguard the fishery downstream of the dam.
- Planted 300 mitigation oak trees near Lake Cachuma as part of the Surcharge operation at the Dam.
- Completed the 2018 Annual Oak Tree Survey and reported in 2019 to the COMB Board the status of the Lake Cachuma Oak Tree Restoration Program.
- Presented and participated in 3 professional conferences in Fisheries Science and GIS technologies.
- Conducted public outreach whenever possible in support of 2000 BiOp compliance measures.
- Collaborated with COMB Operations Crew on the Sycamore and San Jose Creek Projects.

### **Internal Goals**

- Continue Implementation of the monitoring and survey program per the 2000 Biological Opinion
- Continue collaboration with Reclamation on best management practices for Hilton Creek
- Continue annual development and implementation of a Migrant Trapping Plan in collaboration with Reclamation
- Discuss with Reclamation the possibility of a long-term gravel augmentation program in Hilton Creek and other locations
- Work with Reclamation to gather continuous data on water temperature going into LSYR
- Maintain the LSYR *O. mykiss* scale inventory and conduct analyses on data
- Continue working with the US Geological Survey on gauges
- Continue to maintain and develop landowner relationships in the LSYR basin
- Continue education and collaboration with other *O. mykiss* monitoring programs within the Southern California Steelhead DPS to improve collective knowledge.

Respectfully Submitted,

*Janet Gingras*

General Manager

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# CACHUMA OPERATION AND MAINTENANCE BOARD

## MEMORANDUM

**DATE:** January 27, 2020  
**TO:** Janet Gingras, General Manager  
**FROM:** Joel Degner, Water Resources Engineer  
**RE: MONTHLY ENGINEERING/OPERATIONS 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

Cachuma Dam has received 9.00 inches of rainfall to date (106% of normal) and Gibraltar Dam has received 9.61 inches (85% of normal) as of January 21, 2020 according to Santa Barbara County Flood Control District. The accumulated computed inflow is 130 acre-feet for Water Year 2019-2020 as of January 21, 2020. The antecedent index for soil wetness is 7.8 at Gibraltar dam, indicating moderate soil wetness conditions. Figure 1 provides a comparison between the accumulated rainfall measured at Gibraltar Dam and the accumulated inflow into Lake Cachuma from 2000 to 2020. In general, based on past hydrology at least 10 inches of rainfall is needed at Gibraltar Dam for there to be significant inflow into Lake Cachuma. Inflow then generally increases exponentially as a function of rainfall. The amount of runoff that is generated by each rainfall event is dependent in part on the antecedent soil moisture condition, rainfall intensity, and available storage in upstream reservoirs. Based on past water years, an additional 18 to 23 inches of rainfall in the upstream watershed would be needed to generate 50,000 acre-feet of runoff to fill Lake Cachuma before the end of water year 2020.

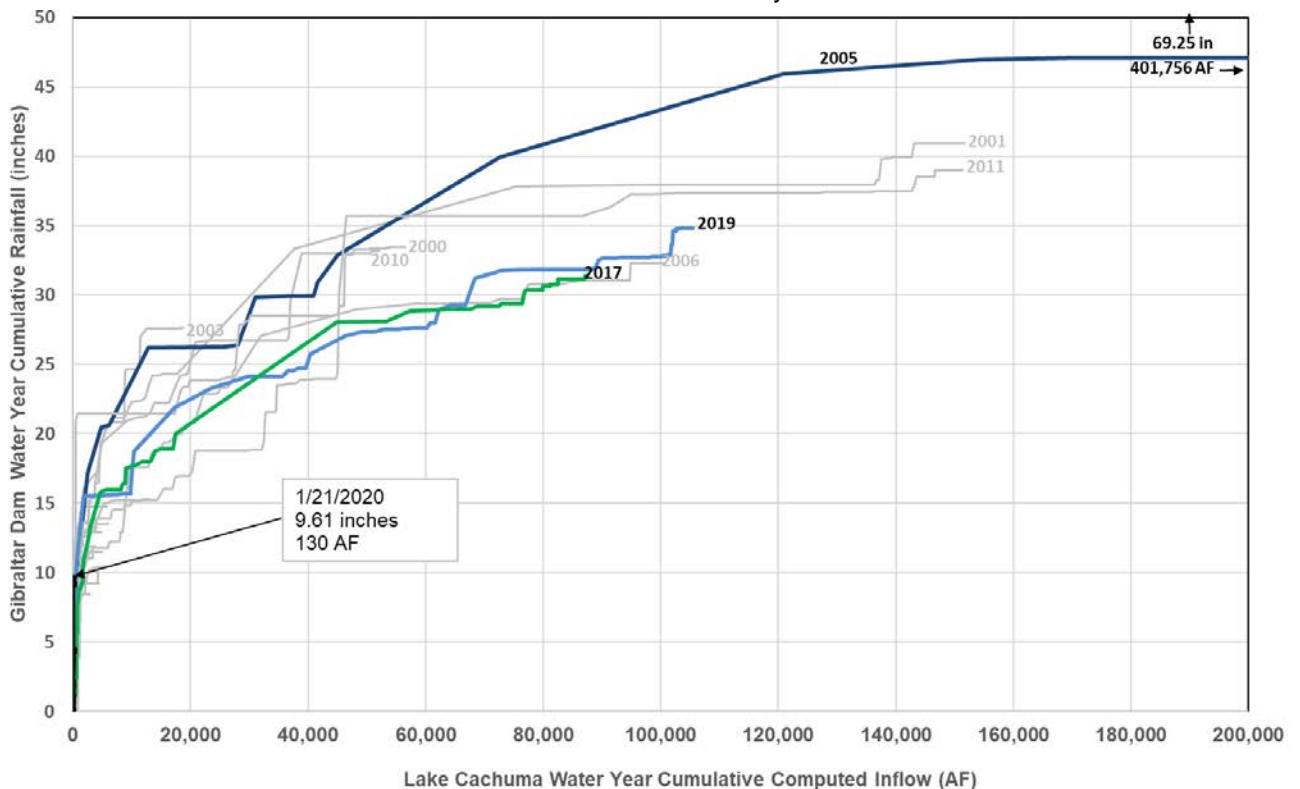


Figure 1. Lake Cachuma Inflow Compared to Gibraltar Dam Rainfall from 2000 to 2020

**LAKE CACHUMA WATER QUALITY AND SEDIMENT MANAGEMENT STUDY**

COMB staff continues to take supplemental nutrient samples and intake tower profiles at Lake Cachuma. On December 10<sup>th</sup>, the runoff from the recently burned Cave Fire area in San Antonio Creek was sampled in comparison to Tequipis Creek streamflow which originates from the two-year old burn scar of the Whittier Fire. The samples from the Cave Fire measured an order of magnitude higher in dissolved organic carbon (DOC), total organic carbon (TOC), total phosphorous (P), and total nitrogen (N) demonstrating the significant impacts that occur on water quality immediately following a wildfire. Woodward & Curran is preparing a draft of the water quality monitoring program for utilization in spring and summer 2020.

**Table 1. December 10, 2019 Sampling Results (mg/L)**

Sampling Location	DOC	TOC	Total P	Total N
San Antonio Creek	16	22	1.1	5.2
Tequipis Creek	0.94	0.82	0.031	ND

**INFRASTRUCTURE IMPROVEMENT PLAN PROJECT STATUS**

Table 1 provides a summary of the FY 2019-20 Infrastructure Improvement Projects. COMB staff presented the draft Infrastructure Improvement Plan to the Operations Committee in January. In addition, COMB staff organized a member agency technical staff meeting on December 18<sup>th</sup> to discuss America’s Water Infrastructure Act Risk and Resilience Assessment. COMB staff discussed preliminary results of the ongoing risk and resiliency assessment and the overlap between COMB’s assessment and individual assessment of each member agency.

**Table 1. Fiscal Year 2019-2020 Infrastructure Improvement Projects Status**

Infrastructure Improvement Projects	Status / Phase	Complexity / Challenges	Estimated Completion Date
<b>Infrastructure Improvement Projects</b>			
Sycamore Canyon Slope Stabilization	Construction project completed at the end of September 2019.	February 2017 storms exposed the South Coast Conduit on a steep slope in the Sycamore Canyon area. Project designed to stabilize slope and improve drainage to protect the SCC.	Completed (September 2019)
San Jose Creek SCC Stream Protection Measures	Construction project completed at the end of October.	South Coast Conduit was exposed in San Jose Creek and required stream protection measures to prevent damage and water supply disruption.	Completed (October 2019)
SCC Structure Rehabilitation (AVAR/BO)	Schedule D work (8 structures) were completed during a shutdown in January. Preparations are underway for Schedule E work	Shutdown needs to be closely coordinated with MWD with system tests being performed prior to shutdown.	Schedule D completed, Schedule E planned in Winter 2020.
SCC Line Valves for Shutdown	Engineering plans and specifications are completed. Subapplication submitted through Hazard Mitigation Grant Program.	During Schedule D shutdown, excessive leakby was observed from Ortega Control Station. Control valves (1 or more) at the station will need to be replaced prior to construction involving the line valve.	Grant is being pursued through Hazard Mitigation Grant Program.
SCC Structure Rehabilitation : Lower Reach Laterals	Draft designs have been completed and under review. Project included a high resolution aerial flight and structure survey which improves accuracy of conduit location.	In order to facilitate shutdowns on the Lower Reach of the SCC, lateral valves need replacement.	Construction planned for Spring/Summer 2019
<b>Special Projects</b>			
Emergency Pumping Facility Project	Key components of the barge are currently being stored under contract. Design plans and specifications are being prepared. Materials are being prepared for the environmental review process.	With the increase in lake levels in 2019, the lake elevation is projected to remain above 685 until the Summer/Fall 2021.	TBD
Lake Cachuma Water Quality and Sediment Management Study	Contractor is proceeding with Phase 2 of the study to develop solutions and a long-term monitoring program. Supplemental sampling for nutrient contributions from Lake Cachuma tributaries is planned this winter pending inflow.	Recent wildfires and subsequent storm events have resulted in decreased water quality and increased sedimentation into Lake Cachuma.	June 2020

## MONTHLY REPORT OF OPERATIONS – DECEMBER 2019

The total flow from Lake Cachuma into the Tecolote Tunnel for December was 468.4 acre-feet, for an average daily flow of 15 acre-feet. Lake elevation was 733.69 feet at the beginning of December and 733.79 feet at the end of December. Storage increased by 345 acre-feet as a result of rainfall on the lake. CCWA wheeled 0 acre-feet of water to Cachuma Project facilities. During the month, CCWA installed the bypass pipeline over Bradbury Dam. The City of Santa Barbara wheeled 289 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized to deliver water through gravity flow to Hilton Creek for the month of December.

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

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

**South Coast Conduit - Structure Inventory**

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

Routine operation and maintenance completed during the month of December were as follows:

- Conducted two flow changes at the North Portal during the month of December (no surface, 2 gate chamber)
- Responded to 115 USA Dig alerts
- Reviewed two projects for right of way conflicts
- 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
- Read anodes and rectifier data

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

- Updated the North Portal SCADA PLC span to allow higher bypass flows to be measured accurately at the North Portal. This will allow the North Portal bypass system to be used more frequently during the winter months.
- COMB staff performed a shutdown of the South Coast Conduit from Barker Pass to Ortega Reservoir on 1/13/2020 to 1/18/2020. During the shutdown three airvents (352+07, 442+50, and 495+30) and five

blowoffs (318+50,388+10,427+20, 475+20, and 504+65) were successfully rehabilitated by Cushman Contracting Corporation.

- During the shutdown, COMB staff also replaced an access lid at station 295+50 and replaced a valve and air vent at the Park Lane turnout (432+63).
- In advance of the shutdown, COMB staff performed the annual valve exercising at Ortega Reservoir & Control Station and Sheffield Control station. During the shutdown, leakby was observed from both Sheffield and Ortega Control stations which complicated construction efforts.
- Quarterly meter calibrations were performed by Emerson.

## Schedule D AVAR/Blowoffs Rehabilitation



*Blowoff 318+50 Before*



*Blowoff 318+50 Before*



*Air Vent 352+07 Before*



*Air Vent 352+07 After*



*Blowoff 388+10 Before*



*Blowoff 388+10 After*



# Schedule D AVAR/Blowoffs Rehabilitation



*Air Vent 495+30 Before*



*Air Vent 495+30 After*



*Blowoff 504+65 Before*



*Blowoff 504+65 After (anode to be installed)*



*Access Hole 295+50 Before*



*Access Hole 295+50 After (with 4" outlet for sampling and injection)*

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	January 27, 2020
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

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**SUBJECT:** Quiota Creek Crossing 8 Fish Passage Improvement Project Update

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**RECOMMENDATION:**

The Board of Directors receive and file an update on the Fish Passage Improvement Project at Quiota Creek Crossing 8.

**SUMMARY:**

***Project Description:*** A 54-foot prefabricated bottomless arched culvert with four wing walls is planned to replace a damaged concrete low flow crossing with temporary bridge placed on top at Quiota Creek Crossing 8. The project is being designed to the minimum design standards set by all regulatory agencies. The project construction began on 9/30/19 and was completed on 1/8/20. All funding for this project has been secured from a CDFW-FRGP grant (\$1,010,700) with Member Agency assessments and a COMB construction match. The funding and project were accepted through Resolution No. 682 by the COMB Board on 1/28/19. The COMB General Manager, through Resolution No. 701, was given Board authorization to pay the County Encroachment Permit, purchase the Contech bridge system, and issue a construction contract to the lowest responsive and responsible bidding contractor, Peter Lapidus Construction. Final design approval and the Notice to Proceed (NTP) from CDFW-NMFS have been received. The County has approved the designs and issued the Encroachment Permit for the project. All permits for the project have been secured. COMB's resident engineer for the project is Gino Filippin of Filippin Engineering who has been approved by the County. The temporary construction Right-of-Entry Agreements from the landowners within the project boundary have been obtained.

***Project Location:*** The nearest town is Santa Ynez. Quiota Creek Crossing 8 is located off of Hwy 246 via Refugio Road 4.9 miles south of Hwy 246. The road is closed at the project site.

***Contractor:*** Peter Lapidus Construction (PLC); the construction contractor who was awarded the competitive bid for \$719,975, was issued a Notice to Proceed on 9/25/19.

***Design Engineer:*** Michael Garelo and Shaun Bevan, HDR Fisheries Design Center.

***Resident Engineer:*** Gino Filippin, Filippin Engineering.

***County Engineers:*** Ron Bensel, Steven Manuel, Eric Pearson, and Jemmi Irabon.

***Project Status and Timetable (as of the Board meeting date):***

<b>Status</b>	<b>Time</b>
Notice to Proceed	9/25/2019
Construction start	9/30/2019
Refugio Road closure	9/30/2019
Contract Time (approximate to complete all work)*	3 months
Completion Date and Refugio Road reopened	1/8/2020
Number of construction work days (WD**) (expected)	68
Elapsed Time (WD to the Board mtg)	0
Remaining Time (WDs to complete all work)	68
Time Elapsed (WD) to Date (%)	0%
**WD: Working Days.	

***Work Performed to Date:*** PLC has completed all of the clearing and grubbing at the site, completely removed the small bridge and remains of the concrete crossing below, excavated both foundations, formed and poured both foundations, installed both rock weirs with engineered streambed materials in between plus installed downstream the salvaged rootwad, installed the bridge, installed all the rock slope protection around the bridge foundations, stained and applied the graffiti proofing of the bridge, completed all stream work, completed all backfill of the arches, installed all the road base and road shoulders and paved the road, installed the guardrails and bridge rails, assisted in planting mitigation trees, hydro-mulched/seeded the site, and completed the final site cleanup and demobilization. Contech completed fabrication of the arch-bridge system at Bethlehem Construction in Wasco, CA on 10/25/19. The bridge was shipped to the site on 10/28/19 and installed on 10/29/19. COMB's resident engineer and County engineers have been overseeing the project during all phases of the construction and approved the successful completion of the project on 1/8/20. The pre-project condition (Figure 1) and current construction efforts (Figures 2-6) are presented as Exhibits.

***Work Projected for Next Month:*** The project was successfully completed on 1/8/20 when the County approved the project at which point the road was opened. Remaining tasks include final project reporting and reimbursement invoicing.

**FINANCIAL IMPACT:**

The COMB budget provides \$1,176,000 for construction for this fiscal year. COMB is obligated to a \$50,000 construction match as approved by the Board, Revenues will cover the costs to purchase the Contech arch system, construction of the project, engineering designs, and operating expenses. A summary of the revenues and expenditures are presented below in Table 2.

There have been three change orders necessary for the project; additional Rock Slope Protection (RSP) (\$31,920), unexpected modifications required by the County for the tie-in to the north with the Quiota Creek Crossing 7 Project (\$25,608), and improvements to the drainage for erosion control on the south side of the project (\$13,412). With all totaled, the remaining unexpended funds for the project total \$6,596.



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

	<b>FY 2019-20</b>
<b>Revenues</b>	
CDFW Grant Funding	\$ 1,010,700
Budget Assessments*	\$ 250,000
<b>Total:</b>	<b>\$ 1,260,700</b>
<b>Expenditures</b>	
Contech Bridge	\$ 311,791
PLC Construction	\$ 719,975
Change Order No. 1	\$ 31,920
Change Order No. 2	\$ 25,608
Change Order No. 3	\$ 13,412
Engineering Designs	\$ 30,000
Operating Expenses (permits, review, inspections)	\$ 121,398
<b>Total:</b>	<b>\$ 1,254,104</b>
<b>Differential</b>	<b>\$ 6,596</b>
* Includes COMB \$50K construction match	

**Table 2:** Expenditures to date for the project.

<b>Project Revenues and Estimated Costs</b>			
<b>Estimated Project Costs / Available Funds:</b>			<b>\$1,260,700</b>
<b>Total Expenditure to Date:</b>	<b>FY19</b>	<b>FY20</b>	<b>TOTAL</b>
Contech Bridge (delivered + tax) - Invoice 1:		\$309,501	\$309,501
Contech Bridge (delivered + tax) - Invoice 2:		\$2,290	\$2,290
AECOM - Invoice 1:		\$6,650	\$6,650
Geotechnical Services (Fugro) - Invoice 1:		\$2,143	\$2,143
Geotechnical Services (Fugro) - Invoice 2:		\$118	\$118
PLC - Invoice 1:		\$371,075	\$371,075
PLC - Invoice 2:		\$192,475	\$192,475
PLC - Invoice 3:		\$156,425	\$156,425
PLC - Invoice 4-Change Orders:		\$71,940	\$71,940
Onsite Engineering Oversight (Filippin Engineers) - 1:		\$8,230	\$8,230
Onsite Engineering Oversight (Filippin Engineers) - 2:		\$3,330	\$3,330
Onsite Engineering Oversight (Filippin Engineers) - 3:		\$2,340	\$2,340
Materials Testing - Krazan (fabrication) - Invoice 1:		\$371	\$371
Materials Testing - Krazan (fabrication) - Invoice 2:		\$5,034	\$5,034
Onsite Material Testing (Fugro) - Invoice 1:		\$2,579	\$2,579
Onsite Material Testing (Fugro) - Invoice 2:		\$5,931	\$5,931
Project Engineering Design - HDR - Invoice 1:		\$5,550	\$5,550
Project Engineering Design - HDR - Invoice 2:		\$147	\$147
Project Engineering Design - HDR - Invoice 3:		\$1,333	\$1,333
Project Engineering Design and Oversight - HDR - Invoice 4:		\$11,725	\$11,725
Mitigation Trees (Mazanita Nursery) - Invoice-1:		\$692	\$692
Planting Materials (Valley Compost) - Invoice 1:		\$81	\$81
State Water Board Fee (SWPPP) - 1:		\$442	\$442
Prober Land Survey:	\$2,340		\$2,340
Farm Supply Company:		\$399	\$399
Tri-Co Reproduction - all invoices:	\$201	\$90	\$290
SB County Encroachment Permit Fee:	\$10,000	\$20,303	\$30,303
CDFW 1600 Permit Fee:	\$5,313		\$5,313
<b>Total Paid:</b>	<b>\$17,854</b>	<b>\$1,181,192</b>	<b>\$1,199,046</b>
<b>Summary:</b>			
<b>% Project Expenditures through 1/21/2020:</b>			<b>95.1%</b>
<b>Funds Remaining (Est. Costs minus Total Expenditures)*:</b>			<b>\$61,654</b>
* Funds remaining will be reduced by Project Management and Oversight plus Operating Expenses.			

**LEGAL CONCURRENCE:**

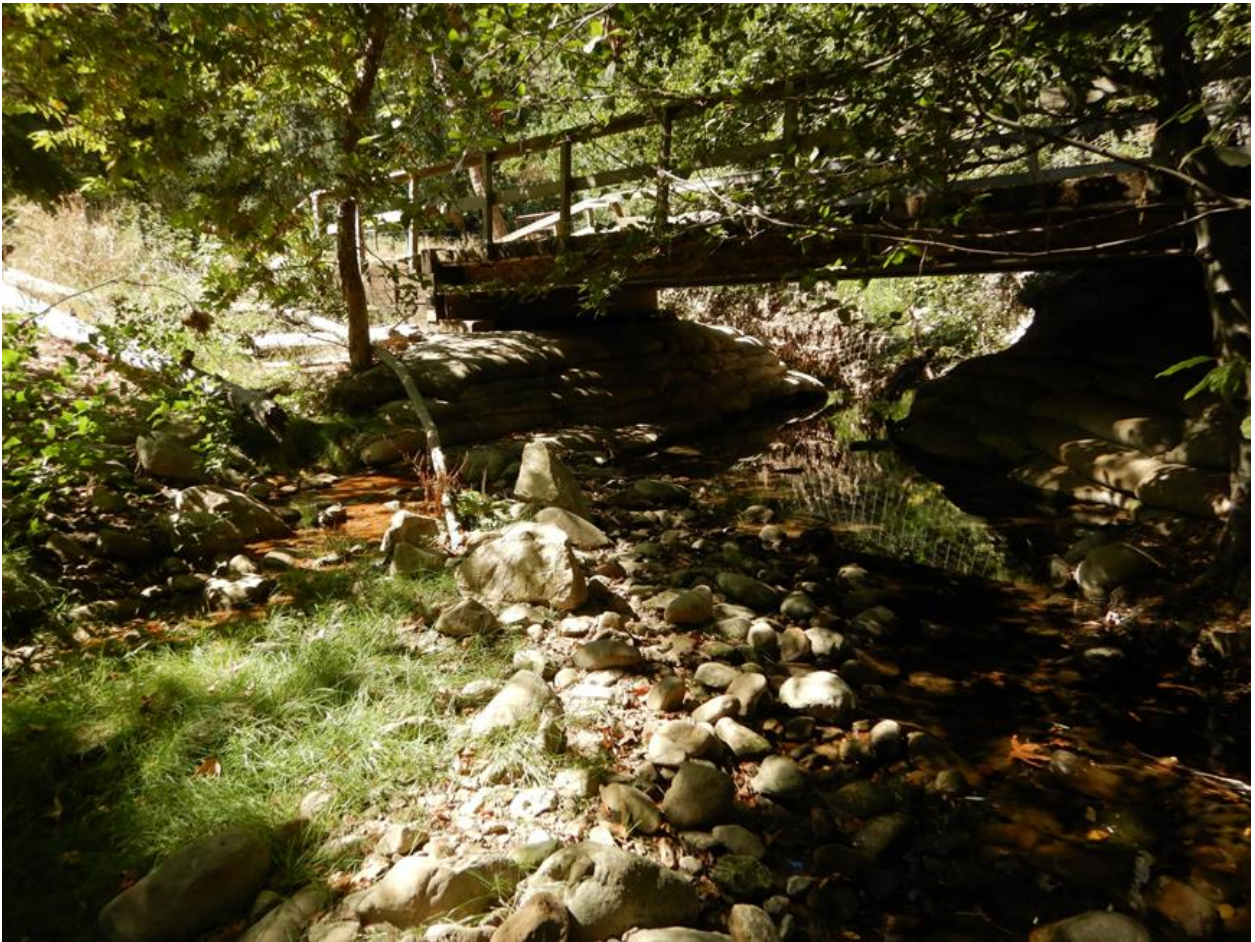
COMB legal counsel has reviewed all contract documents related to the project.

**ENVIRONMENTAL COMPLIANCE:**

All permits have been obtained and are being followed.

**LIST OF EXHIBITS:**

Construction photos:



**Figure 1:** Pre-project condition looking south under the sub-standard temporary bridge with damaged low flow culvert below.





**Figure 2:** Paving of the road.



**Figure 3:** Planting mitigation trees.





**Figure 4:** Hydro-mulching/seeding of the site.



Figure 5: Guardrail and bridge rail work.





Figure 6: Completed project.



**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**BOARD MEMORANDUM**

**DATE:** January 27, 2020  
**TO:** Janet Gingras, General Manager  
**FROM:** Tim Robinson, Fisheries Division Manager  
**RE: MONTHLY FISHERIES DIVISION REPORT**

**HIGHLIGHTS:**

- USBR continues to deliver approximately 3.2 cfs of Lake Cachuma water to Hilton Creek by gravity flow to the Upper Release Point through the Hilton Creek Watering System (HCWS) which is sustaining the *O. mykiss* population in the creek.
- The Hilton Creek Emergency Backup System (HCEBS) is positioned to operate if the HCWS unexpectedly shuts off.

In compliance with the 2000 Cachuma Project Biological Opinion (BiOp) (NMFS, 2000) and as described in the 2004 Lower Santa Ynez River Fish Management Plan (SYRTAC, 2000) and the Monitoring Program in the 2000 Revised Biological Assessment (BA), the COMB Fisheries Division (FD) staff conducts routine monitoring of steelhead/rainbow trout 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 solids and turbidity) at one meter intervals from the surface to the bottom of the lake (Lake Profile) are taken once a month at the Hilton Creek Watering System (HCWS) Intake Barge. This is considered to be near the deepest point in the lake and allows for monitoring of lake stratification, water quality conditions at the intake level for the HCWS and lake-turnover. Due to the drought and the need to carefully monitor Lake Cachuma, lake profiles are being taken monthly throughout the year and are reported in the Annual Monitoring Summary.

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

**Redd Surveys:** Redd surveys are conducted every two weeks from mid-January through May. Surveys are conducted within the LSYR mainstem in the Highway 154, Refugio, and Alisal reaches where access is permitted, and certain sections of Hilton, Quiota, and Salsipuedes/El Jaro creeks. The number of redds is reported in the Annual Monitoring Plan.

**Migrant Trapping:** The 2020 Trapping Plan was provided to Reclamation in January who then submitted it to NMFS. This monitoring effort normally begins in January and continues through May depending on streamflow rates. The results are presented in the Annual Monitoring Summary. This year the Hilton Creek and Salsipuedes Creek traps will be early next month depending on the weather. The LSYR Mainstem Trap will be installed in association with the Passage Supplementation Program if that program is initiated. Traps are removed during high flow events for safety of the staff, fishery and equipment, or if flows are too low to enable migration. The Santa Ynez River Lagoon currently is closed and is routinely monitored. Results of the trapping program are presented in the Annual Monitoring Report.

**Cachuma Lake Oak Tree Restoration Program:** COMB staff, with guidance from a hired professional arborist, continues to implement the Program and has successfully conducted all management actions as required. A project update is provided in a separate Board memo.

#### **Tributary Project Updates:**

**Quiota Creek Crossing 8:** Funding for this project has been secured through a CDFW-FRGP grant that was submitted on 3/29/18 for \$1,010,700 with a \$50,000 construction match from COMB as approved by the COMB Board during the 2/26/18 Board meeting. COMB was awarded this grant on 12/5/18 and the Board accepted the grant by resolution on 1/28/19. Staff has submitted all permit applications and designs for review by the County and NMFS-CDFW. Project construction started on 9/30/19 after all permits were obtained and was successfully completed on 1/8/20. A separate Board memo is provided that discusses the project status and financials.

#### **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 HCWS by gravity flow to the Upper Release Point. The HCEBS is in standby mode and is set to operate if the HCWS unexpectedly shuts off.

No further observable work has been done on the HCWS pumping barge, with no date set for installation of the ordered parts.

#### **Surcharge Water Accounting:**

The following table summarizes the amount of surcharge water used to date from each of the three accounts plus project yield at the end of last month (Table 1). All numbers are from 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 accounts have been used and USBR is now using Project Yield 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, and 8/6/18 - 9/12/18. There were no WR 89-18 releases in WY2019. 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 explained in previous reports.

**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>	3,200	3,307	-107
<b>Adaptive Management</b>	500	149	351
<b>Fish Rearing***</b>	5,484	5,484	0
<b>Project Yield</b>		19,838	
<b>Total:</b>	9,184	28,778	244
* Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013.			
** Values as of 12/31/19.			
*** 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 continues to work on the Annual Monitoring Reports (the USBR report) and the Annual Monitoring Summaries (the COMB report) as well as any other BiOp compliance measures as requested by USBR.

**Outreach and Training:** Outreach continues with Quiota Creek and Salsipuedes Creek watershed landowners, 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) – Design and reporting work for the Quiota Creek Crossing 8 Project.

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	January 27, 2020
Submitted by:	Tim Robinson and Scott Volan
Approved by:	Janet Gingras

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

**RECOMMENDATION:**

For Board information only.

**SUMMARY:**

***Maintenance***

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since July, 2019 to the present (7/1/19 – 1/27/20, Table 1). Labor and expenses for the entire fiscal year (July 2018 - June 2019) 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. The 2018 Annual Inventory and Fiscal Year 2018-19 Financial Report has been reviewed by the Lake Cachuma Oak Tree Committee on 11/1/19 and 12/13/19 with suggested recommendations for the upcoming fiscal year forthcoming.

**Table 1:** Cachuma Oak Tree Program completed tasks since January, 2019.

	July 2019	Aug 2019	Sept 2019	Oct 2019	Nov 2019	Dec 2019	Jan 2020 <sup>2</sup>
<b>Year 11 Oaks (2019-2020)</b>							New Trees Gopher Baskets Fert/Comp Deer Cages Mulch/Irrigated
<b>Year 10 Oaks (2018-2019)</b>	Irrigated Weeded	Irrigated Weeded		Irrigated Weeded		Planted <sup>1</sup>	
<b>Year 9 Oaks (2016-2017)</b>	Irrigated Weeded		Irrigated Weeded Mulched	Irrigated Weeded	Deer Cages	Planted <sup>1</sup>	
<b>Year 8 Oaks (2015-2016)</b>	Irrigated Weeded	Irrigated Weeded Deer Cages	Irrigated Weeded Mulched		Irrigated Mulched Deer Cages	Planted <sup>1</sup>	
<b>Year 7 Oaks (2014-2015)</b>	Irrigated Weeded	Irrigated Weeded Deer Cages	Irrigated Weeded	Mulched Weeded	Irrigated Weeded	Mulched Weeded	
<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> Dead trees replaced							
<sup>2</sup> Oak tree inventory							



In December, Fisheries Division staff completed the process of replacing 100 dead Year 8 through Year 10 trees at the Santa Barbara County Park, Storke Flat, and Bradbury Dam. Replacement trees were given new compost, fertilizer, mulch and plenty of water to promote new growth. Protective cages were reformed and tree stakes checked for integrity to protect the new trees.

Beginning in January, the COMB Fisheries Division and Operations Division started planting approximately 300 new oak trees (Year 11) at the Santa Barbara County Park at Lake Cachuma (Exhibit 1). The Operations Division used a COMB backhoe to dig holes and assisted the Fisheries Division staff in all of the necessary planting elements including gopher baskets, compost, fertilizer, mulch, tree stakes, and caging. Two truckloads of mulch were delivered from the Santa Ynez County Transfer Station to be spread on the new trees. Once the trees were in the ground they were heavily irrigated by the Fisheries Division.

The annual oak tree inventory also began in January, with newly planted (Year 11) trees getting new GPS points and tree tags. Crews will be gathering inventory data on year classes of trees over the course of the next several months.

**LIST OF EXHIBITS:**

**Current Oak Tree Program photos**



**Exhibit 1:** Lake Cachuma Oak Tree Restoration Program showing (a) Fisheries and Operations Division staff conducting tree planting training, (b) digging new tree holes, (c) trees being planted, and (d) measuring new Year 11 tree height as part of the annual inventory.

**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**METERED USE REPORT FOR DECEMBER 2019**

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		142.72	18+62	G. WEST	5.22
Boundary Meter - West		(0.05)	78+00	Corona Del Mar FILTER Plant	402.88
			122+20	STOW RANCH	0.00
				Raytheon (SWP) (Warren Act Contract)	0.00
				Morehart (SWP) (Warren Act Contract)	0.00
				SWP CREDIT (Warren Act Contract)	0.00
			<b>TOTAL</b>		<b>408.09</b>
			<b>MONTECITO WATER DISTRICT</b>		
			260+79	BARKER PASS	10.03
			386+65	MWD YARD	0.31
			487+07	VALLEY CLUB	0.00
			499+65	E. VALLEY-ROMERO PUMP	0.27
			510+95	MWD PUMP (SWD)	2.03
			510+95	ORTEGA CONTROL	3.36
			526+43	ASEGRA RD	0.00
			555+80	CO. YARD	0.00
			583+00	LAMBERT RD	0.00
			599+27	TORO CANYON	0.06
				SWP CREDIT (Warren Act Contract)	0.00
			<b>TOTAL</b>		<b>16.05</b>
			<b>CITY OF SANTA BARBARA</b>		
			CATER	INFLOW	571.55
			Gibraltar	PENSTOCK	(288.58)
			CATER	SO. FLOW	(229.91)
			Sheffield	SHEF.LIFT	59.63
				SWP CREDIT (Warren Act Contract)	0.00
				La Cumbre Mutual (SWP) (Warren Act)	0.00
			<b>TOTAL</b>		<b>112.69</b>
			<b>SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, ID#1</b>		
			COUNTY PARK, ETC		1.16
			<b>TOTAL</b>		<b>1.16</b>
			<b>BREAKDOWN OF DELIVERIES BY TYPE:</b>		
			STATE WATER DELIVERED TO LAKE		0.00
			STATE WATER TO SOUTH COAST (including from storage)		0.00
			<b>METERED DIVERSION</b>		<b>680.65</b>
<b>SWP CREDIT (Warren Act Contract)</b>		<b>0.00</b>			
<b>TOTAL</b>		<b>142.67</b>			
Note:	Meter reads were taken on: 12/31/2019				

**WATER YEAR 18-19 CACHUMA PROJECT ALLOCATION**

**CACHUMA OPERATION AND MAINTENANCE BOARD  
WATER PRODUCTION AND WATER USE REPORT  
FOR THE MONTH OF DECEMBER 2019 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)	413.7	3,397.8
Tecolote Tunnel Infiltration	125.0	370.5
Cachuma Lake (County Park)	1.2	4.6
<b>Subtotal - Water Production</b>	<b>539.8</b>	<b>3,772.9</b>
<b>WATER DELIVERIES:</b>		
State Water Diversion	0.0	81.0
Cachuma Diversion	680.7	3,775.9
Storage gain/(loss)	(142.4)	(99.3)
<b>Subtotal - Water Deliveries</b>	<b>538.3</b>	<b>3,757.7</b>
<b>Total Water Production</b>	<b>539.8</b>	<b>3,772.9</b>
<b>Total Water Deliveries</b>	<b>538.3</b>	<b>3,757.7</b>
<b>Difference = Apparent Water Loss</b>	<b>1.5</b>	<b>15.2</b>
% Apparent Water Loss	0.28%	0.40%

**SCC APPARENT WATER LOSS ALLOCATION (AWL) <sup>(4)</sup>**

	<b>GWD</b>	<b>SB CITY</b>	<b>MWD</b>	<b>CVWD</b>	<b>TOTAL</b>
<b>CURRENT MONTH CHARGE / (ADJUSTMENT) <sup>(3)</sup></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>WATER YEAR-TO-DATE CHARGE / (ADJUSTMENT)</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) <sup>(3)</sup></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) <sup>(3)</sup></b>					<b>15.2</b>
<b>Total AWL Incurred (WYTD)</b>					<b>15.2</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>CURRENT MONTH</b>						
Water Usage						
M&I	359.1	112.7	15.7	91.9	1.2	580.5
Agricultural	49.0	0.0	0.4	50.8	N/A	100.1
<b>Subtotal Project Water Use</b>	<b>408.1</b>	<b>112.7</b>	<b>16.0</b>	<b>142.7</b>	<b>1.2</b>	<b>680.7</b>
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss <sup>(4)</sup>	13.5	30.9	7.4	3.8	1.0	56.5
<b>Total Project Water Charge</b>	<b>421.5</b>	<b>143.6</b>	<b>23.4</b>	<b>146.5</b>	<b>2.2</b>	<b>737.2</b>
<b>WATER YEAR-TO-DATE</b>						
Water Usage						
M&I	1,622.0	356.7	461.6	395.7	4.6	2,840.7
Agricultural	460.9	0.0	44.7	429.7	N/A	935.3
<b>Subtotal Project Water Use</b>	<b>2,082.8</b>	<b>356.7</b>	<b>506.4</b>	<b>825.4</b>	<b>4.6</b>	<b>3,775.9</b>
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss <sup>(4)</sup>	100.8	203.1	51.3	30.3	6.5	392.0
<b>Total Project Water Charge (*)</b>	<b>2,183.7</b>	<b>559.8</b>	<b>557.6</b>	<b>855.7</b>	<b>11.1</b>	<b>4,168.0</b>

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



**WATER YEAR 18-19 CACHUMA PROJECT ALLOCATION**  
**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**WATER PRODUCTION AND WATER USE REPORT**  
**FOR THE MONTH OF DECEMBER 2019 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 - 10/1/2019</b>	7,940.5	14,187.8	3,816.2	2,475.7	452.8	28,873.0
Transfers/Adjustment	0.0	0.0	0.0	0.0	0.0	0.0
<b>(-) Project Water Charge (WYTD)</b>	<b>2,183.7</b>	<b>559.8</b>	<b>557.6</b>	<b>855.7</b>	<b>11.1</b>	<b>4,168.0</b>
<b>Balance Carryover Water</b>	<b>5,756.8</b>	<b>13,628.0</b>	<b>3,258.6</b>	<b>1,620.0</b>	<b>441.7</b>	<b>24,705.0</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>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Net Allocation Available Before Adjustments</b>	<b>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>Adjustments to Net Allocation (WYTD)</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>	45.0	30.0	30.0	20.0	(125.0)	0.0
Transfers/Adjustment - SB/La Cumbre	0.0	(30.0)	0.0	0.0	0.0	(30.0)
Transfers/Adjustment - Bishop Ranch	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - Juncal Transfer	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - GWD/SB Overlap	0.0	0.0	0.0	0.0	0.0	0.0
<b>Balance Current Year Allocation</b>	<b>9,367.0</b>	<b>8,277.0</b>	<b>2,681.0</b>	<b>2,833.0</b>	<b>2,526.0</b>	<b>25,684.0</b>
<b>Total Cachuma Project Water Available</b>	<b>15,123.8</b>	<b>21,905.0</b>	<b>5,939.6</b>	<b>4,453.0</b>	<b>2,967.7</b>	<b>50,389.0</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 10/1/19.
- (6) Per SWP Exchange Agrmt GWD received 0 AF; City of SB received 0 AF; MWD received 0 AF and CVWD received 0 AF from ID#1 in December 2019.
- (7) Memo only - State Water Deliveries to Lake Cachuma for December 2019 was 0 AF.

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

MONTH: **DECEMBER 2019**

**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>539.9</b>	Feet
Water in Storage	340.77	AF

**ORTEGA RESERVOIR**

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	<b>447.8</b>	Feet
Water in Storage	22.07	AF

**CARPINTERIA RESERVOIR**

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	<b>375.4</b>	Feet
Water in Storage	24.37	AF

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

Change in Storage	387.21	AF
	-148.25	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>733.79</b>	Feet
Water in Storage	<b>139,885</b>	AF
Surface Area	<b>2,450</b>	Acres
Evaporation	<b>259.7</b>	AF
Inflow	<b>-0.3</b>	AF
Downstream Release WR8918	<b>0.0</b>	AF
Fish Release (Hilton Creek)	<b>201.5</b>	AF
Outlet	<b>191.0</b>	AF
Spill/Seismic Release	<b>0</b>	AF
State Water Project Water	<b>0</b>	AF
Change in Storage	<b>345</b>	AF
Tecolote Diversion	<b>468.4</b>	AF

<b>Rainfall:</b>	<b>Month:</b>	7.19	<b>Season:</b>	8.72	<b>Percent of Normal:</b>	154%
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(1) Glen Annie Reservoir is currently offline and excluded from Total Storage in Reservoirs amount.

(2) In 2014, 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 #175R-1802**

Contract Year: 10/1/19 to: 9/30/20

Contract Entity: **Goleta Water District**  
 Update by COMB 12/31/2019

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	7,940.5	9,322.0
Nov		
Dec		
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Total	7,940.5	9,322.0

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation			Allocation			Total	
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
746.4	248.8	995.2	59.4	995.2	1,054.6	783.9	270.6	-	-	-
516.4	163.1	679.5	28.0	679.5	707.6	533.7	173.9	-	-	-
359.1	49.0	408.1	13.5	408.1	421.5	367.2	54.4	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,622.0	460.9	2,082.8	100.8	2,082.8	2,183.7	1,684.8	498.8	-	-	-

CONVERSIONS (M&I AND AG SPLIT)				
Month	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		
Month	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	7,940.5	5,021.4	2,919.1	6,732.0	2,590.0	9,322.0
ID#1 Exch (+45AF)		-	-	24.1	20.9	45.0
Oct		-	-	-	-	-
Nov		-	-	-	-	-
Dec		-	-	-	-	-
Jan		-	-	-	-	-
Feb		-	-	-	-	-
Mar		-	-	-	-	-
Apr		-	-	-	-	-
May		-	-	-	-	-
Jun		-	-	-	-	-
Jul		-	-	-	-	-
Aug		-	-	-	-	-
Sep		-	-	-	-	-

BALANCE - CARRYOVER WATER				BALANCE - CURR YR ALLOC		
Month	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	6,885.9	4,237.5	2,648.5	6,756.1	2,610.9	9,367.0
Nov	6,178.4	3,703.8	2,474.6	6,756.1	2,610.9	9,367.0
Dec	5,756.8	3,336.6	2,420.3	6,756.1	2,610.9	9,367.0
Jan						
Feb						
Mar						
Apr						
May						
Jun						
Jul						
Aug						
Sep						

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **15,123.8**



**SUMMARY OF WATER USED**

CACHUMA PROJECT - CONTRACT #175R-1802

Contract Year: 10/1/19 to: 9/30/20

Contract Entity: **Carpinteria Valley Water District**  
Update by COMB 12/31/2019

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	2,475.7	2,813.0
Nov		
Dec		
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Total	2,475.7	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	M & I	Agr	Total
166.1	204.2	370.3	18.3	370.3	388.6	174.6	214.0	-	-	-
137.8	174.6	312.4	8.3	312.4	320.7	141.6	179.0	-	-	-
91.9	50.8	142.7	3.8	142.7	146.5	93.7	52.8	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
395.7	429.7	825.4	30.3	825.4	855.7	409.9	445.8	-	-	-

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

Month  
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SCHEDULE AND REVISIONS				SCHEDULE AND REVISIONS			
	Total	Allocation		Allocation		Total	
		M & I	Agr	M & I	Agr		
Begin Bal	2,475.7	1,150.6	1,325.1	1,400.0	1,413.0	2,813.0	
ID#1 Exch (+20AF)		-	-	10.7	9.3	20.0	
Oct		-	-	-	-	-	
Nov		-	-	-	-	-	
Dec		-	-	-	-	-	
Jan		-	-	-	-	-	
Feb		-	-	-	-	-	
Mar		-	-	-	-	-	
Apr		-	-	-	-	-	
May		-	-	-	-	-	
Jun		-	-	-	-	-	
Jul		-	-	-	-	-	
Aug		-	-	-	-	-	
Sep		-	-	-	-	-	

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BALANCE - CARRYOVER WATER				BALANCE - CURR YR ALLOC			
	Total	Allocation		Allocation		Total	
		M & I	Agr	M & I	Agr		
Oct	2,087.1	976.0	1,111.1	1,410.7	1,422.3	2,833.0	
Nov	1,766.5	834.4	932.1	1,410.7	1,422.3	2,833.0	
Dec	1,620.0	740.7	879.3	1,410.7	1,422.3	2,833.0	
Jan							
Feb							
Mar							
Apr							
May							
Jun							
Jul							
Aug							
Sep							

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **4,453.0**

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

Contract Year: 10/1/19 to: 9/30/20

Contract Entity: **Montecito Water District**  
 Update by COMB 12/31/2019

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	3,816.2	2,651.0
Nov		
Dec		
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Total	3,816.2	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
252.3	27.4	279.7	29.3	279.7	309.0	275.7	33.3	-	-	-
193.6	17.0	210.6	14.6	210.6	225.2	205.1	20.1	-	-	-
15.7	0.4	16.0	7.4	16.0	23.4	21.4	2.0	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
461.6	44.7	506.4	51.3	506.4	557.6	502.2	55.4	-	-	-

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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SCHEDULE AND REVISIONS				SCHEDULE AND REVISIONS			
	Total	Allocation		Allocation		Total	
		M & I	Agr	M & I	Agr		
Begin Bal	3,816.2	3,041.1	775.1	2,244.0	407.0	2,651.0	
ID#1 Exch (+30AF)		-	-	16.1	13.9	30.0	
Oct		-	-	-	-	-	
Nov		-	-	-	-	-	
Dec		-	-	-	-	-	
Jan		-	-	-	-	-	
Feb		-	-	-	-	-	
Mar		-	-	-	-	-	
Apr		-	-	-	-	-	
May		-	-	-	-	-	
Jun		-	-	-	-	-	
Jul		-	-	-	-	-	
Aug		-	-	-	-	-	
Sep		-	-	-	-	-	

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BALANCE - CARRYOVER WATER				BALANCE - CURR YR ALLOC			
	Total	Allocation		Allocation		Total	
		M & I	Agr	M & I	Agr		
	3,507.2	2,765.4	741.8	2,260.1	420.9	2,681.0	
	3,282.0	2,560.3	721.7	2,260.1	420.9	2,681.0	
	3,258.6	2,538.9	719.7	2,260.1	420.9	2,681.0	
Jan							
Feb							
Mar							
Apr							
May							
Jun							
Jul							
Aug							
Sep							

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **5,939.6**

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

Contract Year: 10/1/19 to: 9/30/20

Contract Entity: **Santa Ynez River Water Conservation District, ID#1**  
 Update by COMB 12/31/2019

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	452.8	2,651.0
Nov		
Dec		
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Total	452.8	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	3.6	1.8	5.4	1.9	3.5	-	-	-
1.7	-	1.7	1.9	1.7	3.6	1.7	1.9	-	-	-
1.2	-	1.2	1.0	1.2	2.2	1.2	1.0	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
4.6	-	4.6	6.5	4.6	11.1	4.8	6.3	-	-	-

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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-	-	-	-
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Month  
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SCHEDULE AND REVISIONS				SCHEDULE AND REVISIONS			
	Total	Allocation		Allocation		Total	
		M & I	Agr	M & I	Agr		
Begin Bal	452.8	14.8	438.0	935.0	1,716.0	2,651.0	
ID#1 Exch (-125AF)		-	-	(67.0)	(58.0)	(125.0)	
		-	-	-	-	-	
		-	-	-	-	-	
		-	-	-	-	-	
		-	-	-	-	-	
		-	-	-	-	-	
		-	-	-	-	-	
		-	-	-	-	-	
		-	-	-	-	-	
		-	-	-	-	-	
		-	-	-	-	-	
		-	-	-	-	-	
		-	-	-	-	-	
		-	-	-	-	-	

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BALANCE - CARRYOVER WATER				BALANCE - CURR YR ALLOC			
County Parks Usage (AF)	Total	Allocation		Allocation		Total	
		M & I	Agr	M & I	Agr		
1.8	447.4	12.9	434.5	868.0	1,658.0	2,526.0	
1.7	443.8	11.2	432.7	868.0	1,658.0	2,526.0	
1.2	441.7	10.0	431.7	868.0	1,658.0	2,526.0	

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **2,967.7**



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

Contract Year: 10/1/19 to: 9/30/20

Contract Entity: **Santa Barbara Co. Water Agency**  
 Update by COMB 12/31/2019

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr	TOTAL WATER USED				WATER USE CHARGED			WATER USE CHARGED				
			Acre-feet				Evap	Div	Total	Allocation		Allocation		Total
			Use %	M & I	Agr	Total				M & I	Agr	M & I	Agr	
Oct	28,873.0	25,714.0	0.0	1,277.6	480.4	1,758.0	223.2	1,758.0	1,981.2	1,459.7	521.5	-	-	-
Nov			0.0	982.6	354.7	1,337.3	112.3	1,337.3	1,449.6	1,074.7	374.8	-	-	-
Dec			0.0	580.5	100.1	680.7	56.5	680.7	737.2	627.1	110.1	-	-	-
Jan			-	-	-	-	-	-	-	-	-	-	-	-
Feb			-	-	-	-	-	-	-	-	-	-	-	-
Mar			-	-	-	-	-	-	-	-	-	-	-	-
Apr			-	-	-	-	-	-	-	-	-	-	-	-
May			-	-	-	-	-	-	-	-	-	-	-	-
Jun			-	-	-	-	-	-	-	-	-	-	-	-
Jul			-	-	-	-	-	-	-	-	-	-	-	-
Aug			-	-	-	-	-	-	-	-	-	-	-	-
Sep			-	-	-	-	-	-	-	-	-	-	-	-
Total	28,873.0	25,714.0	0.1	2,840.7	935.3	3,775.9	392.0	3,775.9	4,168.0	3,161.5	1,006.4	-	-	-

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
	Begin Bal	Total	Allocation	Allocation		Total	
				M & I	Agr		M & I
Oct	28,873.0	28,873.0	23,415.7	5,457.3	19,588.0	6,126.0	25,714.0
Nov	-	-	-	-	(16.1)	(13.9)	(30.0)
Dec	-	-	-	-	-	-	-
Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	County Parks Usage (AF)	Total	Allocation	Allocation		Total	
				M & I	Agr		M & I
Oct	1.8	26,891.8	21,956.0	4,935.8	19,571.9	6,112.1	25,684.0
Nov	1.7	25,442.2	20,881.2	4,561.0	19,571.9	6,112.1	25,684.0
Dec	1.2	24,705.0	20,254.2	4,450.9	19,571.9	6,112.1	25,684.0
Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **50,389.0**

# CACHUMA DAILY OPERATIONS

Month & Year: January 2020  
 Time of Observations: 0830      Evaporation Pan Factor: 65%

Day	Beginning Storage: 139,885			Surface Area	Rainfall		Evaporation		CCWA Inflow	Releases						Computed Inflow
	Elevation	Storage	Change		inches	acre-feet	inches	acre-feet		Park Diversion	South Coast	Hilton Creek	WR 89-18	Outlet	Spillway	
	ft	acre-feet	acre-feet	acres	inches	acre-feet	inches	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet
1	733.77	139,836	(49)	2,450	-		0.090	11.9	-	-	21.0	6.6	-	7.0	-	(2.5)
2	733.75	139,786	(50)	2,449	-		0.100	13.3	-	-	21.2	6.5	-	6.0	-	(3.0)
3	733.74	139,762	(24)	2,449	-		0.110	14.6	-	-	20.5	6.5	-	6.0	-	23.6
4	733.74	139,762	-	2,449	-		0.070	9.3	26.7	-	21.5	6.6	-	6.0	-	16.6
5	733.74	139,762	-	2,449	-		0.040	5.3	35.8	-	20.4	6.5	-	6.0	-	2.4
6	733.73	139,737	(25)	2,448	-		0.100	13.3	18.4	-	21.1	6.5	-	6.0	-	3.4
7	733.73	139,737	-	2,448	-		0.090	11.9	6.8	-	17.4	6.5	-	6.0	-	35.1
8	733.72	139,712	(25)	2,448	-		0.070	9.3	11.2	-	12.8	6.5	-	7.0	-	(0.6)
9	733.71	139,688	(24)	2,448	-		0.080	10.6	0.2	-	9.4	6.5	-	6.0	-	8.3
10	733.69	139,639	(49)	2,447	0.01	2.0	0.080	10.6	-	-	11.9	6.5	-	6.0	-	(16.0)
11	733.69	139,639	-	2,447	-		0.160	21.2	-	-	12.3	6.5	-	6.0	-	46.0
12	733.67	139,589	(50)	2,447	-		0.050	6.6	-	-	12.2	6.5	-	6.0	-	(18.7)
13	733.67	139,589	-	2,447	-		0.050	6.6	-	-	12.1	6.5	-	6.0	-	31.2
14	733.65	139,540	(49)	2,446	-		0.070	9.3	-	-	12.3	6.5	-	7.0	-	(13.9)
15	733.64	139,516	(24)	2,446	-		0.030	4.0	5.3	-	12.2	6.5	-	6.0	-	(0.6)
16	733.63	139,491	(25)	2,445	-		0.060	7.9	5.9	-	12.6	6.5	-	6.0	-	2.1
17	733.66	139,565	74	2,446	0.43	87.7	0.090	11.9	1.7	-	12.2	6.5	-	6.0	-	21.2
18	733.65	139,540	(25)	2,446	-		0.140	18.5	-	-	17.0	6.5	-	6.0	-	23.0
19	733.64	139,516	(24)	2,446	-		0.070	9.3	-	-	18.6	6.5	-	6.0	-	16.4
20	733.64	139,516	-	2,446	-		0.050	6.6	-	-	18.2	6.5	-	6.0	-	37.3
21	733.63	139,491	(25)	2,445	0.04	8.2	0.010	1.3	-	-	18.3	6.5	-	7.0	-	(0.0)
22	733.62	139,466	(25)	2,445	-		0.100	13.2	5.7	-	18.3	6.5	-	6.0	-	13.3
23	733.61	139,442	(24)	2,445	-		0.060	7.9	5.9	-	18.1	6.5	-	6.0	-	8.6
24																
25																
26																
27																
28																
29																
30																
31																

<b>TOTALS</b>	(443)		0.48	97.9	1.770	234.6	-	123.6	-	371.6	149.7	-	142.0	-	233.4
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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: **DECEMBER** 2019**

<b>Cachuma Lake Recreation Area Launch Data -- December 2019</b>		
<b>Inspection Data</b>		
Total Vessels entering Park	238	
Total Vessels launched	228	
Total Vessels Quarantined	10	
Returning with Boat Launch Tag	165	72%
New: Removed from Quarantine		
Kayak/Canoe: Inspected, launched	63	28%
4-stroke Engines		
2-strokes, w/CARB star ratings		
2-strokes, NO emissions ratings		
<b>Quarantine Data</b>		
Total Vessels Quarantined	16	
Quarantined 7 days	*	
Quarantined 14 days	*	
Quarantined 30 days	16	
<b>Quarantine Cause</b>		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	1	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	16	
<b>Demographic Data</b>		
Quarantined from infected county	1	
Quarantined from SB County	8	
Quarantined from uninfected co	1	

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

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

\* These conditions are no longer being tracked.

**EARLY DETECTION MONITORING PROGRAM SUMMARY**

**Summary:** No Dreissenid mussels were detected  
 Inspection Site: Cachuma Lake, Santa Barbara County, California  
 Inspection Date and Time: 2019.12.20; 10:00 a.m. to 12:00 p.m. PDT  
 Method: 6 PVC/Cement Sampling Stations; 134 linear feet of line  
 Surveyors: SBCO Parks Employees  
 Lake elevation: Max feet: 753.00, current 733.55; Max acre-feet: 193,305, current: 139,296;  
 Current capacity: 72.1%