

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

by Teleconference Call **ONLY**

**Teleconference Call-in Number: 1 (888) 899-7789  
Passcode: 804443#**

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**Monday, March 23, 2020**

**1:00 PM**

**(REVISED) AGENDA**

**NOTICE:** This Meeting shall be conducted by teleconferencing as authorized and in accordance with Government Code section 54953 and the California Governor's Executive Order N-29-20.

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 once acknowledged by the Board President. See "Notice to the Public" below.*)
3. **CONSENT AGENDA** (*All items on the Consent Agenda are considered to be routine and will be approved or rejected in a single motion. Any item placed on the Consent Agenda may be removed and placed on the Regular Agenda for discussion and possible action upon the request of any Board Member.*)  
Action: Recommend Approval of Consent Agenda by motion and roll call vote of the Board:
  - a. Minutes of February 24, 2020 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:
  - Fisheries Committee Meeting – March 13, 2020
5. **QUIOTA CREEK CROSSING NO. 8 FISH PASSAGE IMPROVEMENT PROJECT FINAL REPORT**  
Receive and file final report on Quiota Creek Crossing No. 8 Fish Passage Improvement Project
6. **RESOLUTION NO. 705 - NATIONAL FISH AND WILDLIFE FOUNDATION GRANT**  
Action: For consideration and possible adoption by motion and roll call vote of the Board
7. **GENERAL MANAGER REPORT**  
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
  - Operations

**8. WATER RESOURCES ENGINEER REPORT**

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

- Climate Conditions
- Infrastructure Improvement Projects Update

**9. 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

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

**11. [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

**12. RECONVENE INTO OPEN SESSION**

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

- 10a. *Cachuma Operation & Maintenance Board v. Santa Ynez River Water Conservation District, Improvement District Number 1*, Case No. 19CV01873 – Breach of Contract and Declaratory Relief

**13. MEETING SCHEDULE**

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

**14. 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, February 24, 2020  
1:00 PM**

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

The meeting was called to order by President Holcombe at 1:01 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	Scott Engblom, Project Biologist
Edward Lyons, Administrative Manager/CFO	Dorothy Turner, Administrative Assistant II
Joel Degner, Water Resources Engineer	

**Others Present:**

Fray Crease, Santa Barbara County Water Agency	Cathy Taylor, City of Santa Barbara
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**2. PUBLIC COMMENT**

There was no public comment.

**3. CONSENT AGENDA**

- a. Minutes of January 27, 2020 Regular Board Meeting
- b. Investment of Funds
  - Financial Reports
  - Investment Reports
- c. Review of Paid Claims

Ms. Gingras presented the Consent Agenda and introduced Mr. Lyons who reviewed revenues and paid claims, highlighting various expenditures, including the return of FY 2018-19 unexpended funds to the COMB Member Agencies. The Consent Agenda was divided into two motions. Director Hanson motioned to approve item 3.a. of the Consent Agenda, noting a small correction. Seconded by Director Sneddon, the motion passed with a vote of five in favor and one abstention.

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

Director Hanson moved to approve items 3.b and 3.c. of the Consent Agenda. Director Sneddon seconded the motion which carried with a unanimous vote of six in favor.

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

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

- *Operations Committee Meeting – February 10, 2020* – Director Sneddon, reporting on behalf of the Operations Committee, noted that the committee had forwarded two items to the Board for approval and had received updates on current Operations Division activities.
- *Administrative Committee Meeting – February 13, 2020* – Director Holcombe reported on behalf of the Administrative Committee, stating that the Personnel Policy and Employee Handbook had been forwarded to the Board for approval, however other items were tabled at committee level for further review.
- *Fisheries Committee Meeting – February 19, 2020* – Director Hanson noted, on behalf of the Fisheries Committee, that acceptance of the National Fish and Wildlife Foundation grant proposal had been forwarded to the Board for consideration. Updates had been received on other Fisheries activities.

#### **5. UPDATED 2020 PERSONNEL POLICY AND EMPLOYEE HANDBOOK**

Mr. Lyons presented the Personnel Policy and Employee Handbook to the Board for receipt and filing. He provided background on the project and previous versions. He presented a slideshow summarizing the latest labor laws. Mr. Lyons fielded questions from the Board, in particular concerning Arbitration Agreements and Independent Contractors. Director Sneddon motioned that the Personnel Policy and Employee Handbook be received and filed, with one minor modification. Director Hanson seconded and the motion carried with a unanimous vote of six in favor.

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

#### **6. PURCHASE OF WATER QUALITY MONITORING BUOY**

Mr. Degner presented the agenda item to approve the purchase of a Water Quality Monitoring Buoy, and a line item transfer of budgeted funds to cover the purchase. He fielded questions from the Board. Director Hanson motioned to approve the purchase and budget modification. Seconded by Director Sneddon, the motion passed with a unanimous vote of six in favor.

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

**Nays:**

**Absent:**

**Abstain:**

**7. RESOLUTION NO. 704 – 2021-2025 INFRASTRUCTURE IMPROVEMENT PLAN**

Mr. Degner introduced the agenda item, providing background on the process undertaken to draft the Infrastructure Improvement Plan. He fielded comments and questions from the Board. Following discussion and noting a few minor edits to the Plan, Director Sneddon motioned to approve and adopt the 2021-2025 Infrastructure Improvement Plan. Director Hayman seconded the motion which carried with a unanimous vote of six in favor.

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

**Nays:**

**Absent:**

**Abstain:**

**8. NATIONAL FISH AND WILDLIFE FOUNDATION GRANT**

Mr. Engblom presented the proposal to accept a National Fish and Wildlife Foundation grant to improve fish habitat near Quiota Creek Crossing 8. After discussion, the Board expressed its desire to receive further information regarding various concerns surrounding the project and asked that the matter be returned to Committee and brought back to the Board at a later date.

**9. GENERAL MANAGER REPORT**

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

Ms. Gingras presented the General Manager report, highlighting a return of premium to be received from ACWA JPIA Property and General Liability Program due to COMB's low ratio of claims to premiums paid. Further she reported that COMB had attended Santa Barbara County Office of Emergency Management meetings and had participated in a Reclamation tour of facilities. Ms. Gingras noted that Reclamation was pleased with COMB's progress in completing projects. She fielded questions from the Board.

**10. ENGINEER / OPERATIONS REPORT**

- Climate Conditions
- Annual Permit Reporting
- AWIA Risk and Resilience Assessment
- Infrastructure Improvement Project Updates
- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. Degner presented the Engineer/Operations report and provided an update on recent climate conditions, noting that January & February were the second driest on record. He updated the Board on the status of division projects, including the Risk & Resilience project, the Infrastructure Improvement Plan and upcoming Schedule E maintenance. He reported that the Operations Division staff had been

exercising valves in anticipation of Schedule E shutdowns, had continued sampling of water quality at Lake Cachuma and had provided assistance to Fisheries with the Oak Tree program.

**11. FISHERIES DIVISION REPORT**

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

Mr. Engblom presented the Fisheries Division report, highlighting migrant trapping, occurring only in Hilton Creek at this time, and the monitoring of Redds in both Hilton and Salsipuedes creeks. He noted the early emergence of young of the year and fielded questions from the Board.

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

- Maintenance and Monitoring

Mr. Engblom presented the Oak Tree Program report, noting that three hundred trees had been planted in Lake Cachuma Park, with assistance from Operations. He advised that staff is performing inventory and irrigating young trees due to dry climate conditions.

**13. MONTHLY CACHUMA PROJECT REPORTS**

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

Ms. Gingras presented the Cachuma Project reports, noting nothing of significance. The reports indicate that apparent water loss is very low due to updated modeling.

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

There were no requests from directors for future agenda items.

**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

The Board entered into Closed Session at 3:01 PM.

**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

The Board came out of Closed Session at 3:44 PM. There was no reportable action.

**17. MEETING SCHEDULE**

- **March 23, 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**

There being no further business, the meeting was adjourned at 3:47 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 February 29, 2020  
 UNAUDITED FINANCIALS

	<b>Feb 29, 20</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	94,337.48
1100 · Revolving Fund	186,607.98
<b>Total Checking/Savings</b>	689,165.77
<b>Accounts Receivable</b>	
1301 · Accounts Receivable	126,571.45
<b>Total Accounts Receivable</b>	126,571.45
<b>Other Current Assets</b>	
1010 · Petty Cash	500.00
1200 · LAIF	1,280,526.12
1303 · Bradbury SOD Act Assessment 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>	1,528,221.98
<b>Total Current Assets</b>	2,343,959.20
<b>Fixed Assets</b>	
1500 · Vehicles	475,733.27
1505 · Office Furniture & 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>\$ 8,502,517.90</b>

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

As of February 29, 2020  
UNAUDITED FINANCIALS

	<b>Feb 29, 20</b>
<b>LIABILITIES &amp; NET POSITION</b>	
<b>Liabilities</b>	
<b>Current Liabilities</b>	
<b>Accounts Payable</b>	
2200 · Accounts Payable	\$ 46,230.21
<b>Total Accounts Payable</b>	46,230.21
<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
<b>Total Other Current Liabilities</b>	1,314,375.80
<b>Total Current Liabilities</b>	1,360,606.01
<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 LT Liability	5,384,212.00
2605 · Loan Payable Principal - EPFP	200,065.86
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>	12,741,322.07
<b>Total Liabilities</b>	14,101,928.08
<b>Net Position</b>	
3000 · Opening Bal Net Position	(5,296,580.05)
3901 · Retained Net Assets	(880,829.03)
Net Income	577,998.90
<b>Total Net Position</b>	(5,599,410.18)
<b>TOTAL LIABILITIES &amp; NET POSITION</b>	<b>\$ 8,502,517.90</b>

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

	Fisheries				Operations				TOTAL			
	Jul '19 - Feb 20	Budget	\$ Over \ Under Budget	% of Budget	Jul '19 - Feb 20	Budget	\$ Over \ Under Budget	% of Budget	Jul '19 - Feb 20	Budget	\$ Over \ Under Budget	% of Budget
<b>Revenue</b>												
<b>3000 REVENUE</b>												
3001 · O&M Budget (Qtrly Assessments)	\$ 702,477.00	\$ 936,631.00	\$ (234,154.00)	75.0%	\$ 2,765,526.00	\$ 3,687,371.00	\$ (921,845.00)	75.0%	\$ 3,468,003.00	\$ 4,624,002.00	\$ (1,155,999.00)	75.0%
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 · EPFP Loan (Qtrly Assessments)	0.00				231,725.08				231,725.08	0.00	231,725.08	100.0%
3010 · Interest Income	0.00				13,276.09				13,276.09	0.00	13,276.09	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	90,000.00	90,000.00	0.00	100.0%	0.00				90,000.00	90,000.00	0.00	100.0%
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	654,003.86	1,010,700.00	-356,696.14	64.71%	0.00				654,003.86	1,010,700.00	-356,696.14	64.71%
<b>Total 3000 REVENUE</b>	<b>1,740,093.88</b>	<b>2,628,854.00</b>	<b>-888,760.12</b>	<b>66.19%</b>	<b>3,392,995.17</b>	<b>4,138,123.00</b>	<b>-745,127.83</b>	<b>81.99%</b>	<b>5,133,089.05</b>	<b>6,766,977.00</b>	<b>-1,633,887.95</b>	<b>75.86%</b>
<b>Total Income</b>	<b>\$ 1,740,093.88</b>	<b>\$ 2,628,854.00</b>	<b>\$ (888,760.12)</b>	<b>66.19%</b>	<b>\$ 3,392,995.17</b>	<b>\$ 4,138,123.00</b>	<b>\$ (745,127.83)</b>	<b>81.99%</b>	<b>\$ 5,133,089.05</b>	<b>\$ 6,766,977.00</b>	<b>\$ (1,633,887.95)</b>	<b>75.86%</b>
<b>Gross Profit</b>	<b>\$ 1,740,093.88</b>	<b>\$ 2,628,854.00</b>	<b>\$ (888,760.12)</b>	<b>66.19%</b>	<b>\$ 3,392,995.17</b>	<b>\$ 4,138,123.00</b>	<b>\$ (745,127.83)</b>	<b>81.99%</b>	<b>\$ 5,133,089.05</b>	<b>\$ 6,766,977.00</b>	<b>\$ (1,633,887.95)</b>	<b>75.86%</b>
<b>Expense</b>												
<b>3100 · LABOR - OPERATIONS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		<b>\$ 608,844.92</b>	<b>\$ 952,164.00</b>	<b>\$ (343,319.08)</b>	<b>63.94%</b>	<b>\$ 608,844.92</b>	<b>\$ 952,164.00</b>	<b>\$ (343,319.08)</b>	<b>63.94%</b>
<b>3200 VEH &amp; EQUIPMENT</b>												
3201 · Vehicle/Equip Mtce	0.00				20,256.12	30,000.00	-9,743.88	67.52%	20,256.12	30,000.00	-9,743.88	67.52%
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				1,818.12	5,000.00	-3,181.88	36.36%	1,818.12	5,000.00	-3,181.88	36.36%
<b>Total 3200 VEH &amp; EQUIPMENT</b>	<b>0.00</b>				<b>22,594.60</b>	<b>55,000.00</b>	<b>-32,405.40</b>	<b>41.08%</b>	<b>22,594.60</b>	<b>55,000.00</b>	<b>-32,405.40</b>	<b>41.08%</b>
<b>3300 · CONTRACT LABOR</b>												
3301 · Conduit, Meter, Valve & Misc	0.00				9,579.67	20,000.00	-10,420.33	47.9%	9,579.67	20,000.00	-10,420.33	47.9%
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				10,763.68	25,000.00	-14,236.32	43.06%	10,763.68	25,000.00	-14,236.32	43.06%
<b>Total 3300 · CONTRACT LABOR</b>	<b>0.00</b>				<b>25,264.00</b>	<b>95,000.00</b>	<b>-69,736.00</b>	<b>26.59%</b>	<b>25,264.00</b>	<b>95,000.00</b>	<b>-69,736.00</b>	<b>26.59%</b>
<b>3400 · MATERIALS &amp; SUPPLIES</b>												
3401 · Conduit, Meter, Valve & Misc	0.00				62,838.87	65,000.00	-2,161.13	96.68%	62,838.87	65,000.00	-2,161.13	96.68%
3402 · Buildings & Roads	0.00				1,630.35	8,000.00	-6,369.65	20.38%	1,630.35	8,000.00	-6,369.65	20.38%
3403 · Reservoirs	0.00				1,337.03	5,000.00	-3,662.97	26.74%	1,337.03	5,000.00	-3,662.97	26.74%
<b>Total 3400 · MATERIALS &amp; SUPPLIES</b>	<b>0.00</b>				<b>65,806.25</b>	<b>78,000.00</b>	<b>-12,193.75</b>	<b>84.37%</b>	<b>65,806.25</b>	<b>78,000.00</b>	<b>-12,193.75</b>	<b>84.37%</b>
<b>3500 · OTHER EXPENSES</b>												
3501 · Utilities	0.00				4,164.61	7,000.00	-2,835.39	59.49%	4,164.61	7,000.00	-2,835.39	59.49%
3502 · Uniforms	0.00				1,914.67	5,000.00	-3,085.33	38.29%	1,914.67	5,000.00	-3,085.33	38.29%
3503 · Communications	0.00				9,463.08	20,500.00	-11,036.92	46.16%	9,463.08	20,500.00	-11,036.92	46.16%
3504 · USA & Other Services	0.00				2,361.25	4,000.00	-1,638.75	59.03%	2,361.25	4,000.00	-1,638.75	59.03%
3505 · Miscellaneous	0.00				6,825.98	8,000.00	-1,174.02	85.33%	6,825.98	8,000.00	-1,174.02	85.33%
3506 · Training	0.00				538.53	3,000.00	-2,461.47	17.95%	538.53	3,000.00	-2,461.47	17.95%
<b>Total 3500 · OTHER EXPENSES</b>	<b>0.00</b>				<b>25,268.12</b>	<b>47,500.00</b>	<b>-22,231.88</b>	<b>53.2%</b>	<b>25,268.12</b>	<b>47,500.00</b>	<b>-22,231.88</b>	<b>53.2%</b>
<b>4100 · LABOR - FISHERIES</b>	<b>455,334.02</b>	<b>704,515.00</b>	<b>-249,180.98</b>	<b>64.63%</b>	<b>0.00</b>				<b>455,334.02</b>	<b>704,515.00</b>	<b>-249,180.98</b>	<b>64.63%</b>
<b>4200 · VEHICLES &amp; EQUIP - FISHERIES</b>												
4270 · Vehicle/Equip Mtce	30,564.41	20,000.00	10,564.41	152.82%	0.00				30,564.41	20,000.00	10,564.41	152.82%
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>59,638.99</b>	<b>57,500.00</b>	<b>2,138.99</b>	<b>103.72%</b>	<b>0.00</b>				<b>59,638.99</b>	<b>57,500.00</b>	<b>2,138.99</b>	<b>103.72%</b>

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

	Fisheries				Operations				TOTAL			
	Jul '19 - Feb 20	Budget	\$ Over \ Under Budget	% of Budget	Jul '19 - Feb 20	Budget	\$ Over \ Under Budget	% of Budget	Jul '19 - Feb 20	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	9,746.11	25,000.00	-15,253.89	38.98%	0.00				9,746.11	25,000.00	-15,253.89	38.98%
<b>Total 4220 · CONTRACT LABOR - FISHERIES</b>	<b>9,746.11</b>	<b>28,000.00</b>	<b>-18,253.89</b>	<b>34.81%</b>	<b>0.00</b>				<b>9,746.11</b>	<b>28,000.00</b>	<b>-18,253.89</b>	<b>34.81%</b>
<b>4300 · MATERIALS/SUPPLIES - FISHERIES</b>												
4390 · Miscellaneous	4,469.87	7,000.00	-2,530.13	63.86%	0.00				4,469.87	7,000.00	-2,530.13	63.86%
<b>Total 4300 · MATERIALS/SUPPLIES - FISHERIES</b>	<b>4,469.87</b>	<b>7,000.00</b>	<b>-2,530.13</b>	<b>63.86%</b>	<b>0.00</b>				<b>4,469.87</b>	<b>7,000.00</b>	<b>-2,530.13</b>	<b>63.86%</b>
<b>4500 · OTHER EXPENSES - FISHERIES</b>												
4502 · Uniforms	1,909.42	3,500.00	-1,590.58	54.56%	0.00				1,909.42	3,500.00	-1,590.58	54.56%
<b>Total 4500 · OTHER EXPENSES - FISHERIES</b>	<b>1,909.42</b>	<b>3,500.00</b>	<b>-1,590.58</b>	<b>54.56%</b>	<b>0.00</b>				<b>1,909.42</b>	<b>3,500.00</b>	<b>-1,590.58</b>	<b>54.56%</b>
<b>4999 · GENERAL &amp; ADMINISTRATIVE</b>												
5000 · Director Fees	0.00				9,078.60	12,500.00	-3,421.40	72.63%	9,078.60	12,500.00	-3,421.40	72.63%
5001 · Director Mileage	0.00				452.64	500.00	-47.36	90.53%	452.64	500.00	-47.36	90.53%
5100 · Legal	0.00				15,994.53	75,000.00	-59,005.47	21.33%	15,994.53	75,000.00	-59,005.47	21.33%
5101 · Audit	0.00				13,598.00	22,750.00	-9,152.00	59.77%	13,598.00	22,750.00	-9,152.00	59.77%
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				4,320.00	5,000.00	-680.00	86.4%	4,320.00	5,000.00	-680.00	86.4%
5311 · Office Equip/Leases	0.00				5,568.26	9,200.00	-3,631.74	60.53%	5,568.26	9,200.00	-3,631.74	60.53%
5312 · Misc Admin Expenses	0.00				7,792.03	14,000.00	-6,207.97	55.66%	7,792.03	14,000.00	-6,207.97	55.66%
5313 · Communications	0.00				4,635.48	8,500.00	-3,864.52	54.54%	4,635.48	8,500.00	-3,864.52	54.54%
5314 · Utilities	0.00				5,331.24	9,737.00	-4,405.76	54.75%	5,331.24	9,737.00	-4,405.76	54.75%
5315 · Membership Dues	0.00				9,613.25	9,410.00	203.25	102.16%	9,613.25	9,410.00	203.25	102.16%
5316 · Admin Fixed Assets	0.00				1,127.52	3,000.00	-1,872.48	37.58%	1,127.52	3,000.00	-1,872.48	37.58%
5318 · Computer Consultant	0.00				13,536.62	16,500.00	-2,963.38	82.04%	13,536.62	16,500.00	-2,963.38	82.04%
5325 · Emp Training/Subscriptions	0.00				1,935.30	2,000.00	-64.70	96.77%	1,935.30	2,000.00	-64.70	96.77%
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				1,644.49	3,500.00	-1,855.51	46.99%	1,644.49	3,500.00	-1,855.51	46.99%
<b>Total 4999 · GENERAL &amp; ADMINISTRATIVE</b>	<b>0.00</b>				<b>129,644.80</b>	<b>249,148.00</b>	<b>-119,503.20</b>	<b>52.04%</b>	<b>129,644.80</b>	<b>249,148.00</b>	<b>-119,503.20</b>	<b>52.04%</b>
<b>5299 · ADMIN LABOR</b>	<b>0.00</b>				<b>353,662.98</b>	<b>610,984.00</b>	<b>-257,321.02</b>	<b>57.88%</b>	<b>353,662.98</b>	<b>610,984.00</b>	<b>-257,321.02</b>	<b>57.88%</b>
<b>5400 · GENERAL &amp; ADMIN - FISHERIES</b>												
5407 · Legal - FD	19,980.10	100,000.00	-80,019.90	19.98%	0.00				19,980.10	100,000.00	-80,019.90	19.98%
5410 · Postage / Office Supplies	1,761.24	4,000.00	-2,238.76	44.03%	0.00				1,761.24	4,000.00	-2,238.76	44.03%
5411 · Office Equipment / Leases	2,967.25	6,518.00	-3,550.75	45.52%	0.00				2,967.25	6,518.00	-3,550.75	45.52%
5412 · Misc. Admin Expense	2,686.42	7,500.00	-4,813.58	35.82%	0.00				2,686.42	7,500.00	-4,813.58	35.82%
5413 · Communications	2,596.45	5,805.00	-3,208.55	44.73%	0.00				2,596.45	5,805.00	-3,208.55	44.73%
5414 · Utilities	2,869.13	5,243.00	-2,373.87	54.72%	0.00				2,869.13	5,243.00	-2,373.87	54.72%
5415 · Membership Dues	5,041.75	5,955.00	-913.25	84.66%	0.00				5,041.75	5,955.00	-913.25	84.66%
5416 · Admin Fixed Assets	245.67	3,000.00	-2,754.33	8.19%	0.00				245.67	3,000.00	-2,754.33	8.19%
5418 · Computer Consultant	7,288.94	9,000.00	-1,711.06	80.99%	0.00				7,288.94	9,000.00	-1,711.06	80.99%
5425 · Employee Education/Subscription	560.70	2,500.00	-1,939.30	22.43%	0.00				560.70	2,500.00	-1,939.30	22.43%
5426 · Director Fees	3,865.80	6,700.00	-2,834.20	57.7%	0.00				3,865.80	6,700.00	-2,834.20	57.7%
5427 · Director Mileage	243.70	300.00	-56.30	81.23%	0.00				243.70	300.00	-56.30	81.23%
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	1,805.50	1,500.00	305.50	120.37%	0.00				1,805.50	1,500.00	305.50	120.37%

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

	Fisheries				Operations				TOTAL			
	Jul '19 - Feb 20	Budget	\$ Over \ Under Budget	% of Budget	Jul '19 - Feb 20	Budget	\$ Over \ Under Budget	% of Budget	Jul '19 - Feb 20	Budget	\$ Over \ Under Budget	% of Budget
5441 · Audit	17,322.00	12,250.00	5,072.00	141.4%	0.00				17,322.00	12,250.00	5,072.00	141.4%
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>85,060.84</b>	<b>197,516.00</b>	<b>-112,455.16</b>	<b>43.07%</b>	<b>0.00</b>				<b>85,060.84</b>	<b>197,516.00</b>	<b>-112,455.16</b>	<b>43.07%</b>
5499 · ADMIN LABOR-FISHERIES	128,385.01	240,823.00	-112,437.99	53.31%	0.00				128,385.01	240,823.00	-112,437.99	53.31%
5510 · Integrated Reg. Water Mgt Plan	0.00				1,886.90	5,000.00	-3,113.10	37.74%	1,886.90	5,000.00	-3,113.10	37.74%
<b>6000 · SPECIAL PROJECTS</b>	<b>0.00</b>				<b>1,275,307.18</b>	<b>2,045,327.00</b>	<b>-770,019.82</b>	<b>62.35%</b>	<b>1,275,307.18</b>	<b>2,045,327.00</b>	<b>-770,019.82</b>	<b>62.35%</b>
6062 · SCADA	0.00				12,801.56	35,000.00	-22,198.44	36.58%	12,801.56	35,000.00	-22,198.44	36.58%
6090 · COMB Office Building	0.00				4,816.40	25,000.00	-20,183.60	19.27%	4,816.40	25,000.00	-20,183.60	19.27%
6096 · SCC Structure Rehabilitation	0.00				290,403.59	400,000.00	-109,596.41	72.6%	290,403.59	400,000.00	-109,596.41	72.6%
6097 · GIS and Mapping	0.00				5,575.00	10,000.00	-4,425.00	55.75%	5,575.00	10,000.00	-4,425.00	55.75%
6105 · ROW Management Program	0.00				0.00	20,000.00	-20,000.00	0.0%	0.00	20,000.00	-20,000.00	0.0%
6120 · Emergency Pumping Fac Project	0.00				28,115.00	225,000.00	-196,885.00	12.5%	28,115.00	225,000.00	-196,885.00	12.5%
6132 · Sycamore Canyon Slope Stabiliz	0.00				574,173.50	605,242.00	-31,068.50	94.87%	574,173.50	605,242.00	-31,068.50	94.87%
6135 · SCC San Jose Creek Pipe Stabili	0.00				182,567.39	150,000.00	32,567.39	121.71%	182,567.39	150,000.00	32,567.39	121.71%
6136 · SCC Isolation Valve Evaluation	0.00				25,755.71	100,000.00	-74,244.29	25.76%	25,755.71	100,000.00	-74,244.29	25.76%
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				138,608.03	325,085.00	-186,476.97	42.64%	138,608.03	325,085.00	-186,476.97	42.64%
<b>Total 6000 · SPECIAL PROJECTS</b>	<b>0.00</b>				<b>1,275,307.18</b>	<b>2,045,327.00</b>	<b>-770,019.82</b>	<b>62.35%</b>	<b>1,275,307.18</b>	<b>2,045,327.00</b>	<b>-770,019.82</b>	<b>62.35%</b>
<b>6200 · FISHERIES ACTIVITIES</b>	<b>0.00</b>				<b>0.00</b>				<b>0.00</b>			
6201 · FMP Implementation	10,509.77	33,000.00	-22,490.23	31.85%	0.00				10,509.77	33,000.00	-22,490.23	31.85%
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	56,236.65	100,000.00	-43,763.35	56.24%	0.00				56,236.65	100,000.00	-43,763.35	56.24%
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	14,775.60	30,000.00	-15,224.40	49.25%	0.00				14,775.60	30,000.00	-15,224.40	49.25%
<b>Total 6200 · FISHERIES ACTIVITIES</b>	<b>84,322.02</b>	<b>194,000.00</b>	<b>-109,677.98</b>	<b>43.47%</b>	<b>0.00</b>				<b>84,322.02</b>	<b>194,000.00</b>	<b>-109,677.98</b>	<b>43.47%</b>
<b>6300 · HABITAT ENHANCEMENT</b>	<b>0.00</b>				<b>0.00</b>				<b>0.00</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	1,197,611.68	1,176,000.00	21,611.68	101.84%	0.00				1,197,611.68	1,176,000.00	21,611.68	101.84%
<b>Total 6300 · HABITAT ENHANCEMENT</b>	<b>1,197,611.68</b>	<b>1,196,000.00</b>	<b>1,611.68</b>	<b>100.14%</b>	<b>0.00</b>				<b>1,197,611.68</b>	<b>1,196,000.00</b>	<b>1,611.68</b>	<b>100.14%</b>
7007 · INTEREST EXPENSE-EPFP	0.00				20,332.44				20,332.44	0.00	20,332.44	100.0%
<b>Total Expense</b>	<b>\$ 2,026,477.96</b>	<b>\$ 2,628,854.00</b>	<b>\$ (602,376.04)</b>	<b>77.09%</b>	<b>\$ 2,528,612.19</b>	<b>\$ 4,138,123.00</b>	<b>\$ (1,609,510.81)</b>	<b>61.11%</b>	<b>\$ 4,555,090.15</b>	<b>\$ 6,766,977.00</b>	<b>\$ (2,211,886.85)</b>	<b>67.31%</b>
<b>Net Revenue</b>	<b>\$ (286,384.08)</b>	<b>\$ -</b>	<b>\$ (286,384.08)</b>	<b>100.0%</b>	<b>\$ 864,382.98</b>	<b>\$ -</b>	<b>\$ 864,382.98</b>	<b>100.0%</b>	<b>\$ 577,998.90</b>	<b>\$ -</b>	<b>\$ 577,998.90</b>	<b>100.0%</b>

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	March 23, 2020
Submitted by:	Janet Gingras

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**SUBJECT:** Investment Report – February 29, 2020

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### **RECOMMENDATION**

The Board of Directors receive and file the Cachuma Operation and Maintenance Board Investment Report as of February 29, 2020.

### **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 February 2020, is reported at 1.912%.

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		01/31/2020	\$ 1,280,526.12
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance		02/29/2020	\$ 1,280,526.12

#### 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	01/31/2020	\$ 10,215.61
	(+) Deposits/Credits		-
	(-) Checks/Withdrawals		-
	Statement Balance	02/29/2020	\$ 10,215.61
American Riviera Bank Warren Acct Trust Fund			
	Previous Balance	01/31/2020	\$ 398,004.70
	(+) Deposits/Credits		-
	(-) Checks/Withdrawals		-
	Statement Balance	02/29/2020	\$ 398,004.70

**STATEMENT**

The above statement of investment activity for the month of February, 2020, 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 February 29, 2020

Date	Num	Name	Memo	Amount
<b>1050 - General Fund</b>				
02/06/2020	27451	Aspect Engineering Group	SCADA Upgrade - Lauro Reservoir PLC	-860.00
02/06/2020	27452	AT&T	Long Distance Services 12/28/19-1/27/20	-48.71
02/06/2020	27453	City of Santa-Barbara	Trash / Recycling January 2020	-285.46
02/06/2020	27454	Cori Hayman	Director Meeting Fees January 2020	-323.00
02/06/2020	27455	Culligan of Sylmar	RO Rental February 2020	-29.95
02/06/2020	27456	Cushman Contracting Corp.	South Coast Conduit Rehabilitation Schedule D - Construction Services	-244,443.32
02/06/2020	27457	Dig Safe Board	Annual Regulatory Fee (Ops)	-722.10
02/06/2020	27458	ECHO Communications	Message Service February 2020	-69.35
02/06/2020	27459	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality Study - Sampling	-125.00
02/06/2020	27460	Frontier Communications	Phone Service - Alarm/Fax/Modem/Board Room (Ops)	-192.44
02/06/2020	27461	Frontier Communications	Phone Service - North Portal (Ops)	-62.45
02/06/2020	27462	Government Finance Officers Assn	Membership Renewal 4/1/20-3/31/21	-160.00
02/06/2020	27463	Harrison Hardware	Supplies (Fisheries)	-322.80
02/06/2020	27464	Ian's Tire & Auto Repair	Water Trailer - 2 Tires (Ops & Fisheries)	-631.70
02/06/2020	27465	Kristen Sneddon	Director Meeting Fees January 2020	-309.53
02/06/2020	27466	Lauren W. Hanson	Director Meeting Fees January 2020	-467.25
02/06/2020	27467	O'Reilly Automotive, Inc.	Oak Tree Program - Supplies	-19.56
02/06/2020	27468	Pacific Coast Jiffy Lube	2008 Ford Explorer - Oil Change (Ops)	-97.09
02/06/2020	27469	Paychex, Inc. (Payroll)	Payroll, Payroll Tax Services & Annual Reports	-432.75
02/06/2020	27470	Peter Lapidus Construction, Inc.	Quiota Creek Crossing 8 - Construction Services	-39,595.75
02/06/2020	27471	VOID	VOID	0.00
02/06/2020	27472	Southern California Edison	Electricity - Main & Outlying Stations	-1,071.12
02/06/2020	27473	Staples Credit Plan	Office Supplies (Ops & Fisheries)	-96.73
02/06/2020	27474	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee (Ops)	-165.10
02/06/2020	27475	Wells Fargo Vendor Fin Serv	Copier Leases - Kyocera Taskalfas 3051ci & 6052ci	-411.08
02/06/2020	27476	Wright Express Fleet Services	Fleet Fuel - January 2020 (Ops & Fisheries)	-3,172.30
02/06/2020	27477	Zac Gonzalez Landscaping & Tree Care	Grounds Maintenance January 2020	-480.00
02/20/2020	27478	All Around Landscape Supply	Supplies (Ops)	-140.30
02/20/2020	27479	Aqua-Flo Supply	Supplies (Ops)	-72.61
02/20/2020	27480	Aspect Engineering Group	SCADA Upgrade - Lauro Reservoir PLC	-230.00
02/20/2020	27481	Association of Ca Water Agencies/JPIA	March Health Benefits Premium	-32,920.62
02/20/2020	27482	Bartlett, Pringle & Wolf, LLP	CAFR & Single Audit Services	-14,754.50
02/20/2020	27483	Coastal Copy, LP	Copier Maintenance Agreement Taskalfas 3051ci & 6052ci	-598.59
02/20/2020	27484	County of Santa--Barbara	Mulch (Fisheries)	-208.67
02/20/2020	27485	Cox Communications Santa Barbara	Business Internet February 2020	-140.00
02/20/2020	27486	Eagar, Inc.	Trapping Supplies ( Fisheries)	-89.35
02/20/2020	27487	Farm Supply Company	Quiota Creek Crossing 8 - Cattle Fencing	-145.14
02/20/2020	27488	Filippin Engineering, Inc.	Quiota Creek Crossing 8 - Engineering Services	-975.00
02/20/2020	27489	Fugro Consultants, Inc.	Quiota Creek Crossing 8 - Materials Testing	-7,755.00
02/20/2020	27490	Fugro Consultants, Inc.	Quiota Creek Crossing 8 - Geotechnical Engineering Services	-2,982.50
02/20/2020	27491	Granite Construction	Oak Tree Program - Road Work Lake Cachuma Park	-992.12
02/20/2020	27492	HDR Engineering, Inc.	San Jose Creek Pipe Stabilization - Engineering Services	-1,333.31
02/20/2020	27493	HDR Engineering, Inc.	Fisheries Management, Implementation & Quiota Creek Crossing 8 - Engineering Services	-13,553.01
02/20/2020	27494	Home Depot Credit Services	Supplies (Ops)	-451.20
02/20/2020	27495	Impulse Advanced Communications	Phone Service - Main Office	-446.21
02/20/2020	27496	J&C Services	Office Cleaning Service - Weekly 1/3/20-1/24/20	-600.00
02/20/2020	27497	VOID	VOID	0.00
02/20/2020	27498	MarBorg Industries	Portable Facilities - Outlying Stations (Ops)	-387.92
02/20/2020	27499	Nutrien Ag Solutions, Inc.	Weed Abatement (Ops)	-66.45
02/20/2020	27500	O'Reilly Automotive, Inc.	Vehicle Supplies (Ops & Fisheries)	-123.86
02/20/2020	27501	Polly Holcombe	Director Meeting Fees January 2020	-288.53
02/20/2020	27502	Premiere Global Services	Conference Calls January 2020	-112.22
02/20/2020	27503	Santa Barbara Police Department	Annual Alarm Registration Fee	-40.00
02/20/2020	27504	SB Home Improvement Center	Supplies (Ops)	-340.01
02/20/2020	27505	Smardan-Hatcher Co.	South Coast Conduit Rehabilitation Schedule D - Materials	-179.52
02/20/2020	27506	Southern California Edison	Electricity - Outlying Stations	-31.63

**Cachuma Operation & Maintenance Board**

**Paid Claims**

As of February 29, 2020

<b>Date</b>	<b>Num</b>	<b>Name</b>	<b>Memo</b>	<b>Amount</b>
02/20/2020	27507	Spatial Wave	GIS & Mapping - Field Mapplet Software Maintenance April-June 2020 (Ops)	-925.00
02/20/2020	27508	The Gas Company	Gas - Main Office	-60.33
02/20/2020	27509	Turenchalk Network Services, Inc.	Network Support	-1,869.60
02/20/2020	27510	Verizon Wireless	Cellular Service - Phone, iPads, Modems (Ops)	-792.75
02/20/2020	27511	Winema Industrial & Safety Supply	Calibration of Equipment (Ops)	-297.08
02/25/2020	ACH022520A	American Riviera Bank (ARB)	EPFP Loan Payment 1 of 2	-28,123.75
02/25/2020	ACH022520B	American Riviera Bank (ARB)	EPFP Loan Payment 2 of 2	-10,354.21
Total 1050 - General Fund				<u>-416,975.53</u>
<b>TOTAL</b>				<b><u>-416,975.53</u></b>

**Approved for Payment**

**Director** \_\_\_\_\_

**Director** \_\_\_\_\_

**Director** \_\_\_\_\_

# CACHUMA OPERATION & MAINTENANCE BOARD

## Fisheries Committee Meeting

3301 Laurel Canyon Road  
Santa Barbara, CA 93105

**Friday, March 13, 2020**  
**11:00 AM**

### 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 Final Report (*for information*)
4. National Fish and Wildlife Foundation Grant - Draft Resolution No. 705 (*for information and possible recommendation*)
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 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:	March 23, 2020
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

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**SUBJECT:** Quiota Creek Crossing 8 Fish Passage Improvement Project Final Report

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**RECOMMENDATION:**

The Board of Directors receive and file the final report 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 was 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 2-3) 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. All of the final project reporting (End of Project Report, Final Grant Report and Construction Binder) has been submitted as well as the final reimbursement invoicing from CDFW-FRGP. The project has been successfully completed and this is the final report to the Board.

**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. 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 \$44,540. A summary of the expenditures for the project are presented below in Table 1



**Table 1:** Expenditures 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
Geotechnical Services (Fugro) - Invoice 2:		\$2,983	\$2,983
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
Onsite Engineering Oversight (Filippin Engineers) - 4:		\$975	\$975
Onsite Engineering Oversight (Filippin Engineers) - 5:		\$1,478	\$1,478
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:		\$7,755	\$7,755
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
Project Engineering Design and Oversight - HDR - Invoice 5:		\$5,773	\$5,773
Project Engineering Design and Oversight - HDR - Invoice 6:		\$1,912	\$1,912
Project Engineering Design and Oversight - HDR - Invoice 7:		\$3,460	\$3,460
Project Engineering Design and Oversight - HDR - Invoice 8:		\$53	\$53
Mitigation Trees (Mazanita Nursery) - Invoice-1:		\$692	\$692
Mitigation Trees (Mazanita Nursery) - Invoice-2:		\$106	\$106
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:	\$230	\$90	\$319
SB County Encroachment Permit Fee:	\$10,000	\$20,303	\$30,303
CDFW 1600 Permit Fee:	\$5,313		\$5,313
<b>Total Paid:</b>	<b>\$17,883</b>	<b>\$1,199,755</b>	<b>\$1,217,637</b>
<b>Summary:</b>			
% Project Expenditures through 3/13/2020:			96.6%
Funds Remaining (Est. Costs minus Total Expenditures)*:			\$43,063

**LEGAL CONCURRENCE:**

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

**ENVIRONMENTAL COMPLIANCE:**

All permits have been obtained and were being followed.

**LIST OF EXHIBITS:**

Project photos:



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



**Figure 2:** Project condition on 1/8/20 when S. Refugio Road opened.



**Figure 3:** Completed project with streamflow.

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	March 23, 2020
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

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**SUBJECT:** Resolution No. 705 - National Fish and Wildlife Foundation (NFWF) Grant

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**RECOMMENDATION:**

The Board receive information on the South Side Erosion Control and Restoration Project (Project) at Quiota Creek Crossing 8 for consideration and possible adoption of Resolution No. 705 (Exhibit 3) which, if adopted, would have the Board accept grant funding from the National Fish and Wildlife Foundation in the amount of \$43,973 and approve the proposed Project and related expenditures contingent upon: 1) permits are obtained, 2) the County agrees to minor modifications to their drainage ditch along S. Refugio Road, 3) the landowner signs an agreement to exempt COMB of liability, and 4) the landowner signs an access agreement for maintenance on the elements of the project.

**SUMMARY:**

This Project will enhance the just completed Fish Passage Improvement Project at Quiota Creek Crossing 8 by addressing erosion problems that were identified and recommended by the CDFW-FRGP grant coordinator, Mary Larson. The proposed Project effort will be comprised of the following: installation of a small settling basin in two intermittent drainages that currently convey fine sediments into Quiota Creek; installation of a culvert under a ranch road to reduce erosion potential; cleanout of each drainage from the settling basins to Quiota Creek; the planting of ten native Coast Live oak trees in close proximity to each of the settling basins for reforestation; and hydro-mulch/seeding of all disturbed areas (see Exhibit 1, Figure 1). The Project will take approximately one to two weeks for completion and would be accomplished when the site and the two drainages are dry. Mary Larson recommended that we apply for a NFWF grant to cover the costs of the proposed Project.

A brief preliminary proposal was submitted to NFWF for the estimated cost of the proposed Project (\$43,973). Subsequently, COMB was invited by NFWF to submit a full proposal which occurred on 2/7/20 and NFWF then awarded the grant to COMB on 2/24/20. If all permits and agreements are obtained, construction could start as soon as April or as late as September depending on environmental considerations. The proposed project is confined to the Mitchell Ranch property and the landowner is in complete support of the proposed project.

The positioned contractor would be Peter Lapidus Construction (PLC) given the necessary equipment is in close proximity and the contractor has the necessary experience and site knowledge for the proposed work (see Exhibit 2 for NCB).

This Project will enhance water quality in Quiota Creek by reducing fine sediment delivery from the two unnamed tributaries where erosion control and reforestation measures are being proposed. Fine sediments are detrimental to spawning gravels and rearing habitats for the endangered *O. mykiss* population in Quiota Creek.

**FINANCIAL IMPACT:**

There is no direct COMB match required for the Project except for staff time to implement grant administration, legal counsel review of the landowner agreements and grant contract, biological monitoring, oversight of the project, final reporting and invoicing, and maintenance. The 20 proposed Coast Live oaks of the project will be incorporated into our routine maintenance for the mitigation trees at the Quiota Creek Crossing 8 Project which will require approximately 40 hours of staff time per year until the trees are self-sustaining (approximately in 3 years). Maintenance of the 2 settling basins will be conducted by COMB staff as needed and is estimated to be once every 3 years to be done by hand or a backhoe (only if needed). Permit fees are estimated to be approximately \$520. Total estimated COMB costs during the first year and subsequent years are outlined as follows:

<b>Task</b>	<b>Year 1</b>	<b>Years 2-3</b>	<b>Years 4-10</b>	<b>Total</b>
Legal Counsel Review	\$460			\$460
Permit Fees	\$520			\$520
Tree Planting	\$400			\$400
Tree Maintenance (40 hrs/ yr)	\$800	\$1,600	\$500	\$2,900
Settling Basin Cleaning (if needed)	\$0	\$750	\$750	\$1,500
Reporting and Invoicing	\$400	\$300	\$200	\$900
<b>Total:</b>	<b>\$2,580</b>	<b>\$2,650</b>	<b>\$1,450</b>	<b>\$6,680</b>

**ENVIRONMENTAL COMPLIANCE:**

All necessary permits have been obtained through the Quiota Creek Crossing 8 Project and staff is in the process of expanding the project descriptions for each of those permits to include this proposed Project or obtain specific permits for this Project. The work would only be performed once all regulatory agency compliance measures have been satisfied.

**LEGAL CONCURRENCE:**

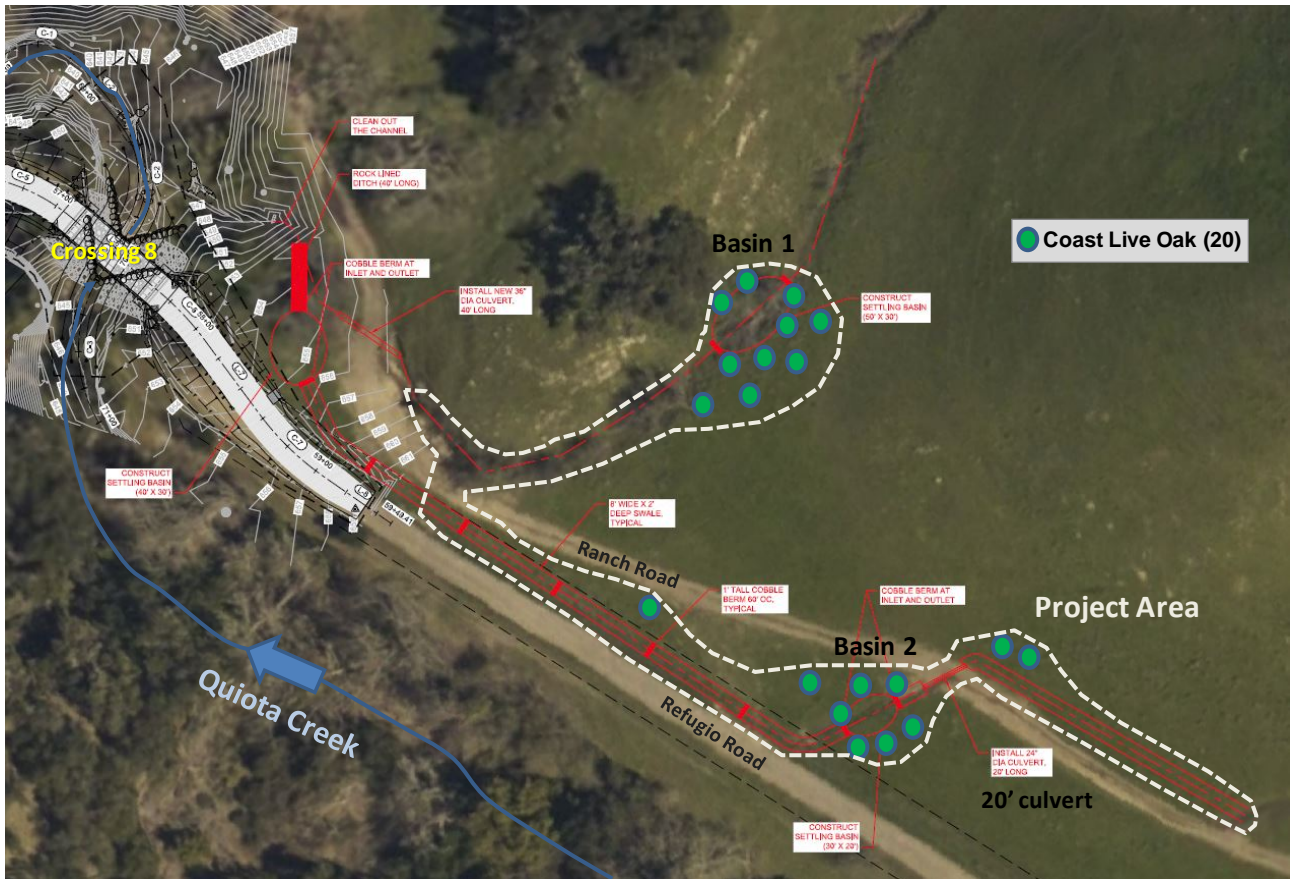
Legal Counsel has reviewed the landowner access agreement and the long-term maintenance agreement to be executed by the Mitchell Ranch.

**COMMITTEE/BOARD STATUS:**

The Fisheries Committee reviewed the proposed project on 2/19/20 and 3/13/20 and forwards the proposed Project to the Board for consideration.

**LIST OF EXHIBITS:**

**Exhibit 1: Figure**



**Figure 1:** Project area with all project elements showing the close proximity to the Quiota Creek Crossing 8 Project.

**Exhibit 2:** Non-Competitive Bid Justification

**Exhibit 3:** Resolution No. 705

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## South Side Erosion Control and Restoration Project at Quiota Creek Crossing 8

### Non-Competitively Bid (NCB) Contract Justification Corrective Action Plan

**To:** Cachuma Operation and Maintenance Board

**From:** Timothy H. Robinson (Project Manager, COMB) and Michael C. Garello (Design Engineer, HDR)

**Contract:** Construct the erosion control and reforestation measures proposed just south of the recently completed bridge replacement project at Quiota Creek Crossing 8.

**Complete responses must be provided for all of the following questions:**

#### A. Factors of Consideration

**1. *Why is the submission of a NCB necessary and what are the determining factors that caused the problem?***

The contractor selected under competitive bidding for the Quiota Creek Crossing 8 Project was Peter Lapidus Construction (PLC). The project was recently successfully completed under budget. During the course of the project, the proposed erosion control measures were identified CDFW and COMB staff. PLC has the project expertise and equipment staged in close proximity to efficiently complete the project in the short timeline proposed.

Factors determining that conclusion are as follows:

- The National Fish and Wildlife Foundation and California Department of Fish and Wildlife (CDFW), require the use of qualified and experienced contractors and vendors to perform work and supply materials. The basis for that requirement is to ensure project design specifications and construction meets the obligation to prevent environmental degradation and enhance the steelhead fishery.
- PLC has the staff, knowledge, and equipment to efficiently construction the project within the short timeline proposed.
- PLC has the equipment staged in close proximity that will greatly reduce mobilization and demobilization costs.
- PLC was on site when CDFW grant manager identified the proposed project, hence they know the specifics of the proposed work that will reduce start up time, construction time and the time needed for COMB oversight.
- COMB staff has a solid working relationship with PLC and will be able to efficiently and effectively collaborate with PLC on the proposed restoration efforts.
- PLC knows all landowners and ranch managers within the vicinity of the proposed project. Since the project is being done on private property, landowner relationships are of particular importance for the efficiency and success of the project for all parties involved.

2. ***What are the consequences of not having this NCB approved?***
  - Using another contractor would require approval by CDFW.
  - The project cost would increase due to lack of experience and local knowledge of a contractor who did not construction the Quiota Creek Crossing 8 Project.
  - The project has a very tight timeline and having any inefficiencies will increase the cost of the project.
  - More time would be required by another contractor to complete the project.
  - Mobilizing and demobilizing equipment would be more expensive.
  - Landowner relationships and trust take time to establish, further decreasing the efficiency of the project.
  
3. ***How will your agency ensure adequate planning to prevent submittal of NCB's for goods or services that should have been competitively bid?***
  - This is a small addition to a recently successfully completed project.
  - Beyond this proposed effort, there is no further work anticipated and no need for other NCBs at this site.
  - The only goods that will come out of these construction services, beyond the elements in the project, will be a report for the funding agency and regulatory agencies.

## **B. Price Analysis**

1. ***How was the price offered determined to be fair and reasonable?***
  - A quote was requested from PLC which was well below the estimated cost of the project budget submitted for funding.
  - Other contractors cannot bid this project for less due to not having their equipment in close proximity and the time it would take to get up to speed with the project.
  
2. ***Describe any cost savings realized or costs avoided by acquiring the goods/services from this supplier.***
  - PLC has the expertise to efficiently and effectively construct the project.
  - PLC is very familiar with the site and proposed project objectives.
  - PLC has their equipment staged in close proximity.
  - Positive working relationships with PLC will require less COMB oversight and less staff time on site.
  - Landowners have a solid working relationship with PLC which will facilitate the construction process.

**RESOLUTION NO. 705**

**A RESOLUTION OF THE GOVERNING BOARD OF THE  
CACHUMA OPERATION AND MAINTENANCE BOARD  
APPROVING A GRANT AGREEMENT WITH THE NATIONAL FISH AND  
WILDLIFE FOUNDATION FOR THE SOUTH SIDE EROSION CONTROL AND  
RESTORATION PROJECT  
AT QUIOTA CREEK CROSSING NUMBER EIGHT**

**RECITALS**

**WHEREAS**, the Cachuma Operation and Maintenance Board (“COMB”) is a California Joint Powers Authority organized under the provisions of California Government Code Section 6500 et seq., with power to acquire, contract for improvements, own, develop, and operate facilities for projects undertaken by its Member Units; and

**WHEREAS**, in August, 1997, the National Marine Fisheries Service (“NMFS”) listed anadromous Southern California Steelhead (“Steelhead”) in the Southern California Evolutionarily Significant Unit, including the Santa Ynez River downstream of Bradbury Dam, as an endangered species under the Federal Endangered Species Act and, completed and issued on September 11, 2000, a Biological Opinion relative to Cachuma Project operations as they relate to Steelhead; and

**WHEREAS**, COMB is committed to implement and cooperate in project operations and other management actions designed to protect and enhance habitat conditions for Steelhead in the Santa Ynez River and its tributaries downstream of Bradbury Dam; and

**WHEREAS**, the South Side Erosion Control and Restoration Project improvements (the “Project”) related to the Quiota Creek Crossing No. 8 Fish Passage Improvement Project on Quiota Creek, a tributary to the Lower Santa Ynez River, will provide improved habitat to enhance conditions for Steelhead; and

**WHEREAS**, the National Fish and Wildlife Foundation (“NFWF”) authorized disbursement of up to \$43,973 in grant funding (“Grant Funds”), pursuant to a grant agreement (“Grant Agreement”), to COMB for the Project, which involves the installation of erosion control measures and restoration efforts in the area adjacent to the recently completed Quiota Creek Crossing No. 8 Fish Passage Improvement Project, and will directly enhance stream water quality of the creek, which is designated critical habitat for Steelhead; and

**WHEREAS**, COMB will enter into both a limited-term right of entry agreement and limited-term maintenance agreement with the landowner, both of which outline the specific terms and conditions of COMB commitments for the Project (the “Landowner Agreements”); and,

**WHEREAS**, COMB has prepared a detailed scope of work setting forth specific tasks to be performed prior to September 2020, will secure all applicable permits and will provide biological monitoring, reporting and administration/management of the Project pursuant to the Grant Agreement and Landowner Agreement; and

**WHEREAS**, the construction contractor, Peter Lapidus Construction Inc., who had been previously approved by the California Department of Fish and Wildlife (“CDFW”) to construct the Quiota Creek Crossing No. 8 Fish Passage Improvement Project, has the requisite experience, and is positioned to perform the necessary work on the Project; and

**WHEREAS**, the COMB Fisheries Committee reviewed the proposed Project on February 24, 2020 and March 13, 2020, and is forwarding to the COMB Governing Board for consideration to accept the Grant Agreement from the NFWF in the amount of \$43,973, conditioned upon satisfying all requisite contingencies, as outlined and directed by the Governing Board.

**NOW, THEREFORE, BE IT RESOLVED:**

1. The Governing Board of COMB supports the South Side Erosion Control and Restoration Project improvements adjacent to Quiota Creek Crossing No. 8 Fish Passage Improvement Project, and finds that this Project is considered important to Steelhead restoration effort in the lower Santa Ynez River.
2. The Governing Board approves entering into a Grant Agreement with the NFWF for the purpose of implementing the Project in accordance with said Agreement.
3. Upon satisfactory review of the Grant Agreement and Landowner Agreements by COMB Legal Counsel, the General Manager/Secretary of COMB is authorized to execute the Grant Agreement and Landowner Agreements, and approve their terms and conditions on behalf of COMB, and to contract for such services as may be required to carry out the Project, using the approved funds, including the Grant Funds.
4. This Resolution shall take effect immediately.

**PASSED, APPROVED AND ADOPTED** by the Governing Board of the Cachuma Operation and Maintenance Board, this 23<sup>rd</sup> day of March 2020, by the following roll call vote:

**AYES:**

**NAYES:**

**ABSENT/ABSTAIN:**

APPROVED:

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

ATTEST:

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



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.”*

March 23, 2020

**General Manager Report**

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

Administration

- **Fiscal Year 2020-21 Draft Operating Budget**

The Fiscal Year 2020-21 Draft Operating Budget has been sent to the Member Agencies for review and comment. Once comments are received, staff will schedule a conference call meeting with technical staff if necessary. Following input and comments received from technical staff, a teleconferenced Administrative Committee meeting will be scheduled to present the draft budget document prior to presentation to the Board.

Operations

- **Operational Protocols**

In response to the recently declared COVID-19 local emergency and global pandemic, staff has established operational protocols and implemented business continuity practices. These protocols and procedures communicate the serious nature of this pandemic and outline specific preventative and proactive measures for staff to follow such as heightened hygiene routines and workplace and social distancing practices. In addition, critical essential functions and designation of key personnel have been defined with necessary situational actions for continuity of operations.

These protocols have been developed by COMB and align with the suggested protocols issued by the Santa Barbara County Public Health Department and the Centers for Disease Control (CDC) to protect employees and our community against the risk (current and future) posed by COVID-19. Specific objectives are to: 1) identify precautionary measures that employees can implement to protect themselves and each other against contracting and spreading of COVID-19, and 2) implement actions to maintain critical operations of COMB if COVID-19 escalates in Santa Barbara County.

Systematic cross training on essential operational functions has been occurring with Fisheries Division internal staff and is slated for Member Agency personnel, if warranted. Further, alternative work schedules have been implemented to increase work space distancing in order to reduce the chance of exposure of COVID-19 among staff members. Reducing the number of staff members working in the office at the same time provides extra protection from exposure. In addition, certain staff members may work remotely to minimize potential exposure or spread of the virus. Critical field operations staff will continue to perform work necessary to operate and maintain the conveyance system and affiliated components for reliable water delivery to our Member Agencies.

Respectfully Submitted,

*Janet Gingras*

General Manager

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# CACHUMA OPERATION AND MAINTENANCE BOARD

## MEMORANDUM

**DATE:** March 23, 2020  
**TO:** Janet Gingras, General Manager  
**FROM:** Joel Degner, Water Resources Engineer  
**RE: MONTHLY ENGINEERING REPORT**

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

### CLIMATE CONDITIONS

Rainfall totals at Lake Cachuma in March have totaled 7.00 inches (as of 3/18/2020) following one of the driest January/February on record. Stream discharge were recorded as high as 429 cfs at Santa Cruz Creek and 860 cfs at Santa Ynez River at Los Laureles on March 16<sup>th</sup>, 2020. Gibraltar Reservoir likely will spill before the end of the month. The antecedent index at Gibraltar Reservoir is 6.0 indicating wet conditions. Overall, the storms resulted in Lake Cachuma rising over 1 foot. Given the wet antecedent conditions and with Gibraltar reservoir full, additional rainfall would result in increased inflow into Lake Cachuma. Tributary flows were sampled on March 13<sup>th</sup>, 2020 and March 17<sup>th</sup>, 2020 as part of the on-going Lake Cachuma Water Quality and Sediment Management Study.



Santa Cruz Creek near Lake Cachuma (3/13/20)



Santa Ynez River near Live Oak Campground (3/17/20)



Tequipis Creek near Lake Cachuma (3/17/20)



San Antonio Creek in Tucker's Grove Park (3/17/20)  
(Fire impact sample site – outside Lake Cachuma Watershed)

**AWIA RISK AND RESILIENCE ASSESSMENT**

COMB staff completed the draft risk and resilience assessment required by America’s Water Infrastructure Act and received comments from Member Agency technical staff. COMB staff is in the process of updating the assessment based on the comments and will certify the assessment before the March 31, 2020 deadline.

**AVAR/BLOWOFF REHABILITATION PROJECT**

On March 2<sup>nd</sup>, 2020, the South Coast Conduit was shutdown between the Ortega South Flow Valve and the Toro Canyon Isolation Valve as part of the Schedule E air vacuum air release (AVAR)/ blowoff rehabilitation project. Three blowoff structures were rehabilitated. Limited leaky was observed during the shutdown and the conduit was successfully placed back into operation on March 6<sup>th</sup>. The Schedule E shutdown was the last planned shutdown for Fiscal Year 2019-2020.



Blowoff Station 552+45 before rehabilitation work



Blowoff Station 552+52 with riser nozzle abandoned, new outlet through blind flange, new valve, and raised discharge pipe.



**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**METERED USE REPORT FOR FEBRUARY 2020**

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		211.37	18+62	G. WEST	76.46
Boundary Meter - West		(0.02)	78+00	Corona Del Mar FILTER Plant	350.07
			122+20	STOW RANCH	0.00
				Raytheon (SWP) (Warren Act Contract)	0.00
				Morehart (SWP) (Warren Act Contract)	(4.00)
				SWP CREDIT (Warren Act Contract)	0.00
			<b>TOTAL</b>		<b>422.53</b>
			<b>MONTECITO WATER DISTRICT</b>		
			260+79	BARKER PASS	52.07
			386+65	MWD YARD	6.69
			487+07	VALLEY CLUB	0.00
			499+65	E. VALLEY-ROMERO PUMP	75.52
			510+95	MWD PUMP (SWD)	10.41
			510+95	ORTEGA CONTROL	10.50
			526+43	ASEGRA RD	0.06
			555+80	CO. YARD	0.00
			583+00	LAMBERT RD	0.00
			599+27	TORO CANYON	0.27
				SWP CREDIT (Warren Act Contract)	0.00
			<b>TOTAL</b>		<b>155.51</b>
			<b>CITY OF SANTA BARBARA</b>		
			CATER	INFLOW	939.76
			Gibraltar	PENSTOCK	(264.02)
			CATER	SO. FLOW	(477.70)
			Sheffield	SHEF.LIFT	95.27
				SWP CREDIT (Warren Act Contract)	0.00
				La Cumbre Mutual (SWP) (Warren Act)	(42.32)
			<b>TOTAL</b>		<b>250.98</b>
			<b>SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, ID#1</b>		
			COUNTY PARK, ETC		1.36
			<b>TOTAL</b>		<b>1.36</b>
			<b>BREAKDOWN OF DELIVERIES BY TYPE:</b>		
			STATE WATER DELIVERED TO LAKE		4.00
			STATE WATER TO SOUTH COAST (including from storage)		(46.32)
			<b>METERED DIVERSION</b>		
					<b>1,041.74</b>
<b>SWP CREDIT (Warren Act Contract)</b> <b>0.00</b> <b>TOTAL</b> <b>211.35</b>					
Note: Meter reads were taken on: 2/28/2020					

**WATER YEAR 19-20 CACHUMA PROJECT ALLOCATION**

**CACHUMA OPERATION AND MAINTENANCE BOARD  
WATER PRODUCTION AND WATER USE REPORT  
FOR THE MONTH OF FEBRUARY 2020 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)	1,067.9	5,004.8
Tecolote Tunnel Infiltration	82.6	570.1
Cachuma Lake (County Park)	1.4	7.2
<b>Subtotal - Water Production</b>	<b>1,151.8</b>	<b>5,582.1</b>
<b>WATER DELIVERIES:</b>		
State Water Diversion	46.3	191.2
Cachuma Diversion	1,041.7	5,420.4
Storage gain/(loss)	72.8	(41.8)
<b>Subtotal - Water Deliveries</b>	<b>1,160.9</b>	<b>5,569.9</b>
<b>Total Water Production</b>	<b>1,151.8</b>	<b>5,582.1</b>
<b>Total Water Deliveries</b>	<b>1,160.9</b>	<b>5,569.9</b>
<b>Difference = Apparent Water Loss</b>	<b>(9.1)</b>	<b>12.2</b>
<b>% Apparent Water Loss</b>	<b>-0.79%</b>	<b>0.22%</b>

**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>12.2</b>
<b>Total AWL Incurred (WYTD)</b>					<b>12.2</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	359.2	251.0	145.3	106.0	1.4	862.8
Agricultural	63.4	0.0	10.2	105.4	N/A	179.0
<b>Subtotal Project Water Use</b>	<b>422.5</b>	<b>251.0</b>	<b>155.5</b>	<b>211.4</b>	<b>1.4</b>	<b>1,041.7</b>
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss <sup>(4)</sup>	23.0	59.5	13.8	6.2	1.9	104.4
<b>Total Project Water Charge</b>	<b>445.5</b>	<b>310.4</b>	<b>169.3</b>	<b>217.6</b>	<b>3.3</b>	<b>1,146.1</b>
<b>WATER YEAR-TO-DATE</b>						
Water Usage						
M&I	2,313.8	680.5	673.8	569.6	7.2	4,245.0
Agricultural	545.5	0.0	56.4	573.6	N/A	1,175.5
<b>Subtotal Project Water Use</b>	<b>2,859.3</b>	<b>680.5</b>	<b>730.2</b>	<b>1,143.2</b>	<b>7.2</b>	<b>5,420.4</b>
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss <sup>(4)</sup>	139.7	301.1	74.2	41.0	9.7	565.7
<b>Total Project Water Charge (*)</b>	<b>2,999.0</b>	<b>981.7</b>	<b>804.4</b>	<b>1,184.2</b>	<b>16.9</b>	<b>5,986.1</b>

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

**WATER YEAR 19-20 CACHUMA PROJECT ALLOCATION**  
**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**WATER PRODUCTION AND WATER USE REPORT**  
**FOR THE MONTH OF FEBRUARY 2020 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>2,999.0</b>	<b>981.7</b>	<b>804.4</b>	<b>1,184.2</b>	<b>16.9</b>	<b>5,986.1</b>
<b>Balance Carryover Water</b>	<b>4,941.5</b>	<b>13,206.1</b>	<b>3,011.8</b>	<b>1,291.5</b>	<b>435.9</b>	<b>22,886.9</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><u>Adjustments to Net Allocation (WYTD)</u></b>						
Carryover Balances Spilled	0.0	0.0	0.0	0.0	0.0	0.0
Surplus	0.0	0.0	0.0	0.0	0.0	0.0
State Water Exchange <sup>(6)</sup>	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>14,308.5</b>	<b>21,483.1</b>	<b>5,692.8</b>	<b>4,124.5</b>	<b>2,961.9</b>	<b>48,570.9</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 February 2020.
- (7) Memo only - State Water Deliveries to Lake Cachuma for February was 4 AF.

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

MONTH: **FEBRUARY 2020**

**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>543.1</b>	Feet
Water in Storage	393.66	AF

**ORTEGA RESERVOIR**

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	<b>449.2</b>	Feet
Water in Storage	26.64	AF

**CARPINTERIA RESERVOIR**

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	<b>373.5</b>	Feet
Water in Storage	20.29	AF

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

Change in Storage	440.59	AF
	71.58	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>732.88</b>	Feet
Water in Storage	<b>137,667</b>	AF
Surface Area	<b>2,422</b>	Acres
Evaporation	<b>506.8</b>	AF
Inflow	<b>438.3</b>	AF
Downstream Release WR8918	<b>0.0</b>	AF
Fish Release (Hilton Creek)	<b>189.5</b>	AF
Outlet	<b>178.0</b>	AF
Spill/Seismic Release	<b>0</b>	AF
State Water Project Water	<b>3.92</b>	AF
Change in Storage	<b>-1,532</b>	AF
Tecolote Diversion	<b>1,112.1</b>	AF

**Rainfall:    Month:    0.06                      Season:    9.26                      Percent of Normal:    52%**

(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.

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

Month	Total Delivered to Lake per CCWA	CVWD						MWD						CITY OF SB						GWD						LCMWC						RSYS			MLC					
		Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Stored in Lake			
<b>2019</b>																																								
Bal. Frwd						195					283					145					217					120						12			2			2		
January	1282	197	68	0	1	0	323	296	108	0	1	0	470	296	237	-1	1	0	204	444	131	0	1	0	530	47	46	0	120	0	0	12	2	2	0	0	0			
February	178	38	120	0	1	0	240	56	45	0	1	0	480	0	185	0	1	0	19	84	261	0	1	0	351	0	18	0	102	0	0	12	0	0	0	0	0			
March	0	0	159	0	1	0	80	0	43	0	2	0	435	0	3	0	0	0	16	0	278	0	2	0	71	0	2	1	99	0	0	12	0	0	0	0	0			
April	0	0	79	0	1	0	0	0	175	0	3	0	257	0	15	0	0	0	0	0	71	0	1	0	0	0	5	0	94	0	0	12	0	0	0	0	0			
May	0	0	0	0	0	0	0	0	121	0	2	0	134	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	93	0	0	12	0	0	0	0	0			
June	0	0	0	0	0	0	0	0	132	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	85	0	0	12	0	0	0	0	0			
July	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	84	0	0	12	0	0	0	0	0				
August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	83	0	0	12	0	0	0	0	0				
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	82	0	0	12	0	0	0	0	0				
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	1	12	0	0	12	0	0	0	0	0				
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	12	0	0	0	0	0			
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0			
<b>Total</b>	<b>1460</b>	<b>235</b>	<b>427</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>352</b>	<b>624</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>296</b>	<b>441</b>	<b>-1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>528</b>	<b>741</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>47</b>	<b>160</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>				

(\*) Adj / Notes:

Month	Total Delivered to Lake per CCWA	CVWD						MWD						CITY OF SB						GWD						LCMWC						RSYS			MLC					
		Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Stored in Lake			
<b>2020</b>																																								
Bal. Frwd						0					0					0					0					0					0			12			0			0
January	143	0	0	0	0	0	0	0	0	0	0	0	0	52	0	0	52	0	0	0	0	0	0	0	143	12	0	(52)	79	0	0	12	0	0	0	0	0			
February	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	36	0	0	12	4	4	0	0	0			
March																																								
April																																								
May																																								
June																																								
July																																								
August																																								
September																																								
October																																								
November																																								
December																																								
<b>Total</b>	<b>147</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>52</b>	<b>0</b>	<b>0</b>	<b>52</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>143</b>	<b>54</b>	<b>0</b>	<b>-52</b>	<b>36</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>			

(\*) Adj / Notes:

Total SC Storage at month end (AF): 0

Total Storage at month end (AF): 48

**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 2/29/2020

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			
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	-	-	-
332.7	21.2	353.9	15.8	353.9	369.8	341.9	27.9	-	-	-
359.2	63.4	422.5	23.0	422.5	445.5	371.9	73.6	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
2,313.8	545.5	2,859.3	139.7	2,859.3	2,999.0	2,398.6	600.3	-	-	-

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	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				-	-	-

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BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	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	5,387.1	2,994.7	2,392.4	6,756.1	2,610.9	9,367.0
Feb	4,941.5	2,622.8	2,318.8	6,756.1	2,610.9	9,367.0
Mar						
Apr						
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Jul						
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TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 14,308.5

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

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

Contract Entity: **City of Santa Barbara**  
 Update by COMB 2/29/2020

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	14,187.8	8,277.0
Nov		
Dec		
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Total	14,187.8	8,277.0

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation				Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	-----	M & I	-----	Total
111.0	-	111.0	112.7	111.0	223.7	223.7	-	-	-	-
133.1	-	133.1	59.5	133.1	192.6	192.6	-	-	-	-
112.7	-	112.7	30.9	112.7	143.6	143.6	-	-	-	-
72.8	-	72.8	38.6	72.8	111.4	111.4	-	-	-	-
251.0	-	251.0	59.5	251.0	310.4	310.4	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
680.5	-	680.5	301.1	680.5	981.7	981.7	-	-	-	-

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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-	-	-	-
-	-	-	-
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SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
Allocation			Allocation		
Total	M & I	-----	M & I	-----	Total
Begin Bal	14,187.8		8,277.0		8,277.0
LCMWD Trsfr (-30AF) + ID#1 Exch (+30AF)			-	-	-
			-	-	-
			-	-	-
			-	-	-
			-	-	-
			-	-	-
			-	-	-
			-	-	-
			-	-	-
			-	-	-
			-	-	-
			-	-	-

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BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
Allocation			Allocation		
Total	M & I	-----	M & I	-----	Total
13,964.1	13,964.1	-	8,277.0		8,277.0
13,771.6	13,771.6	-	8,277.0		8,277.0
13,628.0	13,628.0	-	8,277.0		8,277.0
13,516.6	13,516.6	-	8,277.0		8,277.0
13,206.1	13,206.1	-	8,277.0		8,277.0

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 21,483

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

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

Contract Entity: **Carpinteria Valley Water District**  
 Update by COMB 2/29/2020

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	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	-
67.9	38.5	106.4	4.4	106.4	110.9	69.9	40.9	-
106.0	105.4	211.4	6.2	211.4	217.6	108.8	108.8	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
569.6	573.6	1,143.2	41.0	1,143.2	1,184.2	588.6	595.6	-

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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-	-	-	-
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SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	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	1,509.1	670.8	838.3	1,410.7	1,422.3	2,833.0
Feb	1,291.5	562.0	729.5	1,410.7	1,422.3	2,833.0
Mar						
Apr						
May						
Jun						
Jul						
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Sep						

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 4,124.5



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

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

Contract Entity: **Montecito Water District**  
 Update by COMB 2/29/2020

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	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	-
66.8	1.5	68.3	9.2	68.3	77.5	74.0	3.5	-
145.3	10.2	155.5	13.8	155.5	169.3	156.0	13.3	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
673.8	56.4	730.2	74.2	730.2	804.4	732.2	72.2	-

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	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
	3,181.1	2,464.9	716.2	2,260.1	420.9	2,681.0
	3,011.8	2,308.9	702.9	2,260.1	420.9	2,681.0
Oct						
Nov						
Dec						
Jan						
Feb						
Mar						
Apr						
May						
Jun						
Jul						
Aug						
Sep						

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **5,692.8**

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

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

Contract Entity: **Santa Ynez River Water Conservation District, ID#1**  
 Update by COMB 2/29/2020

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	-	-	-
1.2	-	1.2	1.3	1.2	2.5	1.3	1.2	-	-	-
1.4	-	1.4	1.9	1.4	3.3	1.4	1.9	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
7.2	-	7.2	9.7	7.2	16.9	7.5	9.4	-	-	-

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	452.8	14.8	438.0	935.0	1,716.0	2,651.0
ID#1 Exch (-125AF)				(67.0)	(58.0)	(125.0)
Oct				-	-	-
Nov				-	-	-
Dec				-	-	-
Jan				-	-	-
Feb				-	-	-
Mar				-	-	-
Apr				-	-	-
May				-	-	-
Jun				-	-	-
Jul				-	-	-
Aug				-	-	-
Sep				-	-	-

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BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
County Parks Usage (AF)	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
1.8	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
1.2	439.2	8.7	430.5	868.0	1,658.0	2,526.0
1.4	435.9	7.3	428.6	868.0	1,658.0	2,526.0
-						
-						
-						
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-						
-						

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 2,961.9

**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 2/29/2020

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr	TOTAL WATER USED				WATER USE CHARGED			WATER USE CHARGED				
			Acre-feet				Allocation			Allocation				
			Use %	M & I	Agr	Total	Evap	Div	Total	M & I	Agr	M & I	Agr	Total
Oct	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			0.0	541.5	61.2	602.8	69.3	602.8	672.1	598.5	73.6	-	-	-
Feb			0.0	862.8	179.0	1,041.7	104.4	1,041.7	1,146.1	948.5	197.6	-	-	-
Mar			-	-	-	-	-	-	-	-	-	-	-	-
Apr			-	-	-	-	-	-	-	-	-	-	-	-
May			-	-	-	-	-	-	-	-	-	-	-	-
Jun			-	-	-	-	-	-	-	-	-	-	-	-
Jul			-	-	-	-	-	-	-	-	-	-	-	-
Aug			-	-	-	-	-	-	-	-	-	-	-	-
Sep			-	-	-	-	-	-	-	-	-	-	-	-
Total	28,873.0	25,714.0	0.1	4,245.0	1,175.5	5,420.4	565.7	5,420.4	5,986.1	4,708.5	1,277.6	-	-	-

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

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

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Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	County Parks Usage (AF)	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	1.8	26,891.8	4,935.8	19,571.9	6,112.1	25,684.0
Nov	1.7	25,442.2	4,561.0	19,571.9	6,112.1	25,684.0
Dec	1.2	24,705.0	4,450.9	19,571.9	6,112.1	25,684.0
Jan	1.2	24,033.0	4,377.3	19,571.9	6,112.1	25,684.0
Feb	1.4	22,886.9	4,179.7	19,571.9	6,112.1	25,684.0
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **48,570.9**

# CACHUMA DAILY OPERATIONS

Month & Year: **March 2020**  
 Time of Observations: **0830** Evaporation Pan Factor: **76%**

Day	Beginning Storage: 137,715			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
	<i>ft</i>	<i>acre-feet</i>	<i>acre-feet</i>	<i>acres</i>	<i>inches</i>	<i>acre-feet</i>	<i>inches</i>	<i>acre-feet</i>	<i>acre-feet</i>	<i>acre-feet</i>	<i>acre-feet</i>	<i>acre-feet</i>	<i>acre-feet</i>	<i>acre-feet</i>	<i>acre-feet</i>	<i>acre-feet</i>
1	732.85	137,594	(121)	2,421	-		0.130	19.9	-	-	44.9	6.5	-	6.0		(43.7)
2	732.83	137,545	(49)	2,420	0.16	32.3	0.100	15.3	-	-	44.5	6.5	-	6.0		(8.9)
3	732.80	137,472	(73)	2,419	-		0.170	26.0	-	-	44.1	6.5	-	6.0		9.6
4	732.77	137,399	(73)	2,418	-		0.150	23.0	-	-	30.0	6.5	-	6.0		(7.5)
5	732.76	137,375	(24)	2,418	-		0.120	18.4	-	-	30.2	8.1	-	7.0		39.7
6	732.74	137,326	(49)	2,417	-		0.130	19.9	-	-	29.6	8.2	-	6.0		14.7
7	732.73	137,302	(24)	2,417	-		0.100	15.3	-	-	30.6	8.2	-	6.0		36.1
8	732.71	137,253	(49)	2,416	0.01	2.0	0.120	18.4	-	-	29.3	7.8	-	6.0		10.5
9	732.68	137,180	(73)	2,415	-		0.130	19.9	-	-	29.8	8.2	-	6.0		(9.1)
10	732.67	137,156	(24)	2,415	-		0.080	12.2	-	-	23.0	8.2	-	6.0		25.4
11	732.89	137,691	535	2,422	3.05	615.6	0.010	1.5	5.8	-	22.5	8.2	-	6.0		(48.1)
12	732.93	137,788	97	2,423	0.34	68.7	0.070	10.7	5.9	-	12.5	8.2	-	4.0		57.9
13	732.94	137,813	25	2,424	0.06	12.1	0.020	3.1	4.3	-	11.9	8.3	-	5.0		36.9
14	732.94	137,813	-	2,424	0.01	2.0	0.060	9.2	5.8	-	12.4	8.3	-	4.0		26.1
15	732.94	137,813	-	2,424	0.07	14.1	0.130	20.0	-	-	13.0	8.2	-	6.0		33.0
16	733.05	138,080	267	2,427	1.40	283.2	0.050	7.7	-	-	11.4	8.3	-	7.0		18.2
17	733.65	139,540	1,460	2,446	1.82	371.0	0.020	3.1	-	-	11.4	8.3	-	6.0		1,117.8
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<b>TOTALS</b>	1,825			6.92	1,401.0	1.590	243.6	-	21.7	-	431.1	132.5	-	99.0	-	1,308.6
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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: **FEBRUARY 2020****

<b>Cachuma Lake Recreation Area Launch Data -- February 2020</b>		
<b>Inspection Data</b>		
Total Vessels entering Park	554	
Total Vessels launched	539	
Total Vessels Quarantined	15	
Returning with Boat Launch Tag	384	71%
New: Removed from Quarantine		
Kayak/Canoe: Inspected, launched	155	29%
4-stroke Engines		
2-strokes, w/CARB star ratings		
2-strokes, NO emissions ratings		
<b>Quarantine Data</b>		
Total Vessels Quarantined	15	
Quarantined 7 days	*	
Quarantined 14 days	*	
Quarantined 30 days	15	
<b>Quarantine Cause</b>		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	3	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	15	
<b>Demographic Data</b>		
Quarantined from infected county	3	
Quarantined from SB County	10	
Quarantined from uninfected co	2	

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

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

\* These conditions are no longer being tracked.

**EARLY DETECTION MONITORING PROGRAM SUMMARY**

**Summary:** No Dreissenid mussels were detected  
 Inspection Site: Cachuma Lake, Santa Barbara County, California  
 Inspection Date and Time: 2020.02.28; 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 732.99; Max acre-feet: 193,305, current: 137,934;  
 Current capacity: 71.4%