

**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, July 27, 2020**

**1:00 PM**

**AGENDA**

**NOTICE:** This Meeting shall be conducted by teleconference call only as authorized and in accordance with Government Code section 54953 and the California Governor's Executive Order N-29-20 and N-33-20.

- 1. CALL TO ORDER, ROLL CALL**
- 2. INTRODUCTION OF NEW STAFF**
- 3. PUBLIC COMMENT** *(Public may address the Board on any subject matter not on the agenda and within the Board's jurisdiction. See "Notice to the Public" below.)*
- 4. 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 June 22, 2020 Regular Board Meeting
  - b. Investment of Funds
    - Financial Reports
    - Investment Reports
  - c. Review of Paid Claims
- 5. VERBAL REPORTS FROM BOARD COMMITTEES**

Receive verbal information regarding the following committee meetings:

  - Operations Committee Meeting – July 15, 2020
  - Fisheries Committee Meeting – July 17, 2020
- 6. BOARD COMMITTEE APPOINTMENTS FOR FISCAL YEAR 2020-21**

Action: Recommend the President of the Board make Committee appointments for FY 2020-21

  1. Administrative Committee
  2. Operations Committee
  3. Fisheries Committee
  4. Lake Cachuma Oak Tree Committee
  5. Public Outreach Committee

7. **PROPOSED ANNUAL RESOLUTIONS**

Action: Recommend approval by motion and roll call vote on one motion unless member requests separate consideration

- a. Resolution No. 709 Adopting Annual Statement of Investment Policy
- b. Resolution No. 710 Authorizing Investment of Monies in the Local Agency Investment Fund
- c. Resolution No. 711 Establishing a Supplemental Account Agreement for Telephone Transfers
- d. Resolution No. 712 Establishing a Check Signing Policy for General Fund Account Payment of Claims
- e. Resolution No. 713 Authorizing Signatories for General Fund Account at American Riviera Bank
- f. Resolution No. 714 Authorizing Signatories for Revolving Fund Account at American Riviera Bank
- g. Resolution No. 715 Establishing a Check Signing Policy for Cachuma Project Trust Fund and Master Contract Renewal Fund Accounts for Payment of Claims
- h. Resolution No. 716 Authorizing Signatories for Trust Fund and Renewal Fund Accounts at American Riviera Bank
- i. Resolution No. 717 Establishing a Time and Place for Board Meetings

8. **INFRASTRUCTURE IMPROVEMENT PROJECT – SCHEDULE (F) AIR VACUUM AIR RELEASE (AVAR) BLOW-OFF (BO) STRUCTURE REHABILITATION PROJECT – MATERIALS PURCHASE**

Action: Recommend approval by motion and roll call vote of the Board

9. **SCOPES OF WORK (SOW) AND DRAFT PROFESSIONAL SERVICES AGREEMENTS FOR FISCAL YEAR 2020-21 FOR FISHERIES DIVISION CONSULTANTS**

Action: Receive and file information related to the Scopes of Work for Fisheries Division Consultants

10. **ESRI CONFERENCE PRESENTATION - (<https://www.cachuma-board.org/stream-and-fish-habitat-restoration-project>)**

Action: Receive information presented by staff at the virtual annual ESRI Conference

11. **GENERAL MANAGER REPORT**

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

- Administration
- Engineering/Operations Division

12. **ENGINEERING REPORT**

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

- Climate Conditions
- Lake Elevation Projection
- Water Quality and Sediment Management Study
- Infrastructure Improvement Projects / Work Plan

**13. OPERATIONS DIVISION REPORT**

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

- Lake Cachuma Operations
- Operation and Maintenance Activities

**14. FISHERIES DIVISION REPORT**

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

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

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

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

- Maintenance and Monitoring

**16. 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

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

**18. [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

**19. RECONVENE INTO OPEN SESSION**

[Government Code Section 54957.7]

Disclosure of actions taken in closed session, as applicable

[Government Code Section 54957.1]

- 13a. *Cachuma Operation & Maintenance Board v. Santa Ynez River Water Conservation District, Improvement District Number 1*, Case No. 19CV01873 – Breach of Contract and Declaratory Relief

**20. MEETING SCHEDULE**

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

**21. 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.

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

**by Teleconference Call ONLY**

**Monday, June 22, 2020**

**1:00 PM**

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

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

All attendees participated telephonically pursuant to California Governor Gavin Newsom's Executive Orders N-25-20 and N-29-20.

**Directors Present:**

Polly Holcombe, Carpinteria Valley Water District

Kristen Sneddon, City of Santa Barbara

Lauren Hanson, Goleta Water District

Cori Hayman, Montecito Water District

**General Counsel Present:**

William Carter, Musick Peeler & Garrett, LLP

**Staff Present:**

Janet Gingras, General Manager

Edward Lyons, Administrative Manager/CFO

Joel Degner, Water Resources Engineer

Timothy Robinson, Fisheries Division Manager

Dorothy Turner, Administrative Assistant II

**Others Present:**

Cathy Taylor, City of Santa Barbara

Matt Young, SB County Water Agency

**2. PUBLIC COMMENT**

There was no public comment.

**3. CONSENT AGENDA**

- a. Minutes of May 18, 2020 Regular Board Meeting
- b. Investment of Funds
  - Financial Reports
  - Investment Reports
- c. Review of Paid Claims

Ms. Gingras presented the Consent Agenda items and highlighted several recent expenditures. Director Sneddon made a motion to approve the Consent Agenda as provided. Director Hayman 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 – June 17, 2020* - Director Sneddon reviewed the items contained in the committee agenda reporting that the committee had forwarded both items to the Board with a recommendation to approve. The items are addressed in this agenda.

#### 5. FISCAL YEAR 2020-21 ELECTIONS AND APPOINTMENTS OF CACHUMA OPERATION AND MAINTENANCE BOARD

- a. Election of President
- b. Election of Vice-President
- c. Appointment of ACWA/JPIA Representative and Alternate
- d. Appointment of General Counsel
- e. Appointment of Secretary of the Board
- f. Appointment of Treasurer /Auditor-Controller

Ms. Gingras introduced the annual election of officers and appointments, asking for nominations for President and Vice President. Following a short discussion, Director Hayman moved to nominate and elect President Holcombe to the office of President. The motion was seconded by Director Sneddon. As there were no more nominations, the vote was taken, unanimously electing President Holcombe to serve as President for another year.

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

Director Hanson motioned to nominate and elect Director Sneddon to the office of Vice President. Director Hayman seconded the motion. As there were no more nominations, the vote was taken, unanimously electing Vice President Sneddon to serve as Vice President for another year.

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

Director Hanson motioned to maintain the status quo of appointments currently in effect for items 5.c. through 5.e. After a short discussion, the motion was seconded by Director Sneddon and carried with a vote of six in favor.

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

**7. RESOLUTION NO. 708 - MOBILE OFFICE BUILDING REPLACEMENT - INFRASTRUCTURE IMPROVEMENT PLAN (IIP) PROJECT**

Ms. Gingras presented Resolution No. 708 and provided a short history of the mobile offices and their current deficiencies. She summarized the conceptual plan for replacement and fielded questions from the Board. Director Hanson asked that staff research healthy solutions for air flow in the new units. Director Sneddon made a motion to approve the project. Followed by a second from Director Hanson, the motion carried with a vote of six in favor.

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

**Nays:**

**Absent:**

**Abstain:**

**8. WATER QUALITY SAMPLING PROGRAM EXPENDITURES**

Mr. Degner summarized the sampling operations which have taken place over the fiscal year and noted a need for increased sampling. Mr. Degner asked that the Board approve an increase in the purchase order with Eurofins Eaton labs of \$10,000 in order to meet the additional sampling cost. A motion was put forward by Director Hayman to approve the additional expenditure. Seconded by Director Hanson, the motion carried with a vote of six in favor.

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

**Nays:**

**Absent:**

**Abstain:**

**9. GENERAL MANAGER REPORT**

- Administration
- Virtual Meetings
- Engineering / Operations Division Activities

Ms. Gingras presented the General Manager report, highlighting the status of the upcoming renewal of the Operation & Maintenance Contract and reporting that Reclamation is pursuing an extension of the current contract. Additionally, she provided updates regarding operations under COVID-19, the upcoming CAFR Audit and meetings which had taken place recently in which staff had participated. She noted that the Special District Administrators meeting was beneficial. Finally Ms. Gingras listed a number of operational projects which have been completed recently.

**10. ENGINEER / OPERATIONS DIVISION REPORT**

- Climate Conditions
- AWIA Emergency Response Plan
- Water Quality and Sediment Management Study
- Infrastructure Improvement Projects / Work Plan
- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. Degner presented the Engineer / Operations Division report, highlighting climate conditions, the completion of electrical work at the Glen Anne turnout, work on the Emergency Response Plan and the upgrade to PLC 8. He reported that the Lake Cachuma Water Quality Study results were drafted and

scheduled to be reviewed by the Member Agency technical staff for comments before being finalized. Mr. Degner added that the Board would receive a presentation on the results of that study, possibly in July.

With respect to Operations activities, Mr. Degner reported that routine maintenance and annual equipment maintenance had taken place, in particular the certification of the hoist at the North Portal. He noted upcoming monitoring of construction projects in the right-of-way and inspection and maintenance of boundary insertion meters.

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

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

Mr. Robinson presented the Fisheries Division report, stating that target flows are being met and Biological Opinion mandated activities are ongoing. Trapping season has ended with the take limit for juvenile fish having been effectively reached. Mr. Robinson fielded questions from the Board.

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

- Maintenance and Monitoring

Mr. Robinson presented the Oak Tree Program report, advising that the trees are thriving. The usual maintenance, weeding and irrigation, is under way. Mr. Robinson fielded questions from the Board.

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

- a. Cachuma Water Reports – April and May 2020
- b. Cachuma Reservoir Current Conditions
- c. Lake Cachuma Quagga Survey

Ms. Gingras presented the water reports for April & May, advising that there were no anomalies however a slight increase in usage was noted from April to May, an expected normal occurrence.

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

Director Hanson asked that the Board receive information regarding Santa Ynez River Water Conservation District's water rights release planned for this coming summer.

#### **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 2:08 PM.



**17. RECONVENE INTO OPEN SESSION**

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

14a. *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 reconvened into open session at 2:47 PM. There was no reportable action.

**18. MEETING SCHEDULE**

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

**19. COMB ADJOURNMENT**

There being no further business, the meeting was adjourned at 2:49 PM.

Respectfully submitted,

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

	<i>Approved</i>
√	<i>Unapproved</i>

**APPROVED:**

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

As of June 30, 2020  
UNAUDITED FINANCIALS

	<b>Jun 30, 20</b>
<b>ASSETS</b>	
<b>Current Assets</b>	
<b>Checking/Savings</b>	
<b>Trust Funds</b>	
1210 · Warren Act Trust Fund	\$ 124,139.72
1220 · Renewal Fund	10,215.61
<b>Total Trust Funds</b>	\$ 134,355.33
1050 · General Fund	502,519.13
1100 · Revolving Fund	79,672.71
<b>Total Checking/Savings</b>	716,547.17
<b>Accounts Receivable</b>	
1301 · Accounts Receivable	126,571.45
1325 · Bank Loan Receivable - EPFP	115,862.55
<b>Total Accounts Receivable</b>	242,434.00
<b>Other Current Assets</b>	
1010 · Petty Cash	500.00
1200 · LAIF	1,385,505.75
1303 · Bradbury SOD Act Assessments Receivable	201,351.00
1304 · Lauro Dam SOD Assessment Receivable	31,080.14
1400 · Prepaid Insurance	14,764.72
<b>Total Other Current Assets</b>	1,633,201.61
<b>Total Current Assets</b>	2,592,182.78
<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>\$ 8,750,741.48</b>

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

As of June 30, 2020  
UNAUDITED FINANCIALS

	<b>Jun 30, 20</b>
<b>LIABILITIES &amp; NET POSITION</b>	
<b>Liabilities</b>	
<b>Current Liabilities</b>	
<b>Accounts Payable</b>	
2200 · Accounts Payable	\$ 174,698.11
<b>Total Accounts Payable</b>	174,698.11
<b>Other Current Liabilities</b>	
2510 · Accrued Expenses	28,145.96
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	134,355.33
<b>Total Other Current Liabilities</b>	1,068,656.78
<b>Total Current Liabilities</b>	1,243,354.89
<b>Long Term Liabilities</b>	
2602 · Long Term SOD Act Liability-Bradbury	4,478,793.07
2603 · Long Term SOD Act Liability - Lauro	804,089.14
2604 · OPEB Long Term Liability	5,384,212.00
2605 · Loan Payable Principal - EPFP	53,457.74
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>	12,594,713.95
<b>Total Liabilities</b>	13,838,068.84
<b>Net Position</b>	
3000 · Opening Bal Net Position	(5,296,580.05)
3901 · Retained Net Assets	(880,829.03)
<b>Net Income</b>	1,090,081.72
<b>Total Net Position</b>	(5,087,327.36)
<b>TOTAL LIABILITIES &amp; NET POSITION</b>	<b>\$ 8,750,741.48</b>

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

	Fisheries				Operations				TOTAL			
	Jul '19 - Jun 20	Budget	\$ Over / Under Budget	% of Budget	Jul '19 - Jun 20	Budget	\$ Over / Under Budget	% of Budget	Jul '19 - Jun 20	Budget	\$ Over / Under Budget	% of Budget
<b>Revenue</b>												
<b>3000 REVENUE</b>												
3001 · O&M Budget (Qtrly Assessments)	\$ 936,636.00	\$ 936,631.00	\$ 5.00	100.0%	\$ 3,687,368.00	\$ 3,687,371.00	\$ (3.00)	100.0%	\$ 4,624,004.00	\$ 4,624,002.00	\$ 2.00	100.0%
3006 · Warren Act	576,293.00	591,523.00	-15,230.00	97.43%	0.00				576,293.00	591,523.00	-15,230.00	97.43%
3009 · EPFP Loan (Qtrly Assessments)	0.00				463,450.18				463,450.18	0.00	463,450.18	100.0%
3010 · Interest Income	0.00				18,255.72				18,255.72	0.00	18,255.72	100.0%
3020 · Misc Income	0.00				777.37				777.37	0.00	777.37	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	1,010,700.00	1,010,700.00	0.00	100.0%	0.00				1,010,700.00	1,010,700.00	0.00	100.0%
3090 · Proceeds - Disp of Fixed Asset	0.00				500.00				500.00	0.00	500.00	100.0%
<b>Total 3000 REVENUE</b>	<b>\$ 2,613,629.00</b>	<b>\$ 2,628,854.00</b>	<b>\$ (15,225.00)</b>	<b>99.42%</b>	<b>\$ 4,552,069.27</b>	<b>\$ 4,138,123.00</b>	<b>\$ 413,946.27</b>	<b>110.0%</b>	<b>\$ 7,165,698.27</b>	<b>\$ 6,766,977.00</b>	<b>\$ 398,721.27</b>	<b>105.89%</b>
<b>Expense</b>												
3100 · LABOR - OPERATIONS	\$ -				\$ 910,262.31	\$ 952,164.00	\$ (41,901.69)	95.6%	\$ 910,262.31	\$ 952,164.00	\$ (41,901.69)	95.6%
<b>3200 VEH &amp; EQUIPMENT</b>												
3201 · Vehicle/Equip Mtce	0.00				52,238.69	30,000.00	22,238.69	174.13%	52,238.69	30,000.00	22,238.69	174.13%
3202 · Fixed Capital	0.00				20,504.31	15,000.00	5,504.31	136.7%	20,504.31	15,000.00	5,504.31	136.7%
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				3,418.48	5,000.00	-1,581.52	68.37%	3,418.48	5,000.00	-1,581.52	68.37%
<b>Total 3200 VEH &amp; EQUIPMENT</b>	<b>0.00</b>				<b>76,681.84</b>	<b>55,000.00</b>	<b>21,681.84</b>	<b>139.42%</b>	<b>76,681.84</b>	<b>55,000.00</b>	<b>21,681.84</b>	<b>139.42%</b>
<b>3300 · CONTRACT LABOR</b>												
3301 · Conduit, Meter, Valve & Misc	0.00				12,062.40	20,000.00	-7,937.60	60.31%	12,062.40	20,000.00	-7,937.60	60.31%
3302 · Buildings & Roads	0.00				15,446.92	20,000.00	-4,553.08	77.24%	15,446.92	20,000.00	-4,553.08	77.24%
3303 · Reservoirs	0.00				24,779.06	30,000.00	-5,220.94	82.6%	24,779.06	30,000.00	-5,220.94	82.6%
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>63,052.06</b>	<b>95,000.00</b>	<b>-31,947.94</b>	<b>66.37%</b>	<b>63,052.06</b>	<b>95,000.00</b>	<b>-31,947.94</b>	<b>66.37%</b>
<b>3400 · MATERIALS &amp; SUPPLIES</b>												
3401 · Conduit, Meter, Valve & Misc	0.00				71,448.53	65,000.00	6,448.53	109.92%	71,448.53	65,000.00	6,448.53	109.92%
3402 · Buildings & Roads	0.00				3,221.47	8,000.00	-4,778.53	40.27%	3,221.47	8,000.00	-4,778.53	40.27%
3403 · Reservoirs	0.00				4,551.97	5,000.00	-448.03	91.04%	4,551.97	5,000.00	-448.03	91.04%
<b>Total 3400 · MATERIALS &amp; SUPPLIES</b>	<b>0.00</b>				<b>79,221.97</b>	<b>78,000.00</b>	<b>1,221.97</b>	<b>101.57%</b>	<b>79,221.97</b>	<b>78,000.00</b>	<b>1,221.97</b>	<b>101.57%</b>
<b>3500 · OTHER EXPENSES</b>												
3501 · Utilities	0.00				6,515.53	7,000.00	-484.47	93.08%	6,515.53	7,000.00	-484.47	93.08%
3502 · Uniforms	0.00				5,256.54	5,000.00	256.54	105.13%	5,256.54	5,000.00	256.54	105.13%
3503 · Communications	0.00				13,150.32	20,500.00	-7,349.68	64.15%	13,150.32	20,500.00	-7,349.68	64.15%
3504 · USA & Other Services	0.00				3,198.30	4,000.00	-801.70	79.96%	3,198.30	4,000.00	-801.70	79.96%
3505 · Miscellaneous	0.00				10,115.43	8,000.00	2,115.43	126.44%	10,115.43	8,000.00	2,115.43	126.44%
3506 · Training	0.00				698.06	3,000.00	-2,301.94	23.27%	698.06	3,000.00	-2,301.94	23.27%
<b>Total 3500 · OTHER EXPENSES</b>	<b>0.00</b>				<b>38,934.18</b>	<b>47,500.00</b>	<b>-8,565.82</b>	<b>81.97%</b>	<b>38,934.18</b>	<b>47,500.00</b>	<b>-8,565.82</b>	<b>81.97%</b>
4100 · LABOR - FISHERIES	699,621.21	704,515.00	-4,893.79	99.31%	0.00				699,621.21	704,515.00	-4,893.79	99.31%
<b>4200 · VEHICLES &amp; EQUIP - FISHERIES</b>												
4270 · Vehicle/Equip Mtce	41,222.78	20,000.00	21,222.78	206.11%	0.00				41,222.78	20,000.00	21,222.78	206.11%
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>70,297.36</b>	<b>57,500.00</b>	<b>12,797.36</b>	<b>122.26%</b>	<b>0.00</b>				<b>70,297.36</b>	<b>57,500.00</b>	<b>12,797.36</b>	<b>122.26%</b>

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

	Fisheries				Operations				TOTAL			
	Jul '19 - Jun 20	Budget	\$ Over / Under Budget	% of Budget	Jul '19 - Jun 20	Budget	\$ Over / Under Budget	% of Budget	Jul '19 - Jun 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	11,791.37	25,000.00	-13,208.63	47.17%	0.00				11,791.37	25,000.00	-13,208.63	47.17%
<b>Total 4220 · CONTRACT LABOR - FISHERIES</b>	<b>11,791.37</b>	<b>28,000.00</b>	<b>-16,208.63</b>	<b>42.11%</b>	<b>0.00</b>				<b>11,791.37</b>	<b>28,000.00</b>	<b>-16,208.63</b>	<b>42.11%</b>
<b>4300 - MATERIALS/SUPPLIES - FISHERIES</b>												
4390 · Miscellaneous	11,203.22	7,000.00	4,203.22	160.05%	0.00				11,203.22	7,000.00	4,203.22	160.05%
<b>Total 4300 · MATERIALS/SUPPLIES - FISHERIES</b>	<b>11,203.22</b>	<b>7,000.00</b>	<b>4,203.22</b>	<b>160.05%</b>	<b>0.00</b>				<b>11,203.22</b>	<b>7,000.00</b>	<b>4,203.22</b>	<b>160.05%</b>
<b>4500 - OTHER EXPENSES - FISHERIES</b>												
4502 · Uniforms	3,002.11	3,500.00	-497.89	85.78%	0.00				3,002.11	3,500.00	-497.89	85.78%
<b>Total 4500 · OTHER EXPENSES - FISHERIES</b>	<b>3,002.11</b>	<b>3,500.00</b>	<b>-497.89</b>	<b>85.78%</b>	<b>0.00</b>				<b>3,002.11</b>	<b>3,500.00</b>	<b>-497.89</b>	<b>85.78%</b>
<b>4999 - GENERAL &amp; ADMINISTRATIVE</b>												
5000 · Director Fees	0.00				9,042.80	12,500.00	-3,457.20	72.34%	9,042.80	12,500.00	-3,457.20	72.34%
5001 · Director Mileage	0.00				463.21	500.00	-36.79	92.64%	463.21	500.00	-36.79	92.64%
5100 · Legal	0.00				24,359.28	75,000.00	-50,640.72	32.48%	24,359.28	75,000.00	-50,640.72	32.48%
5101 · Audit	0.00				14,563.25	22,750.00	-8,186.75	64.01%	14,563.25	22,750.00	-8,186.75	64.01%
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				3,178.88	50,551.00	-47,372.12	6.29%	3,178.88	50,551.00	-47,372.12	6.29%
5310 · Postage/Office Exp	0.00				8,037.57	5,000.00	3,037.57	160.75%	8,037.57	5,000.00	3,037.57	160.75%
5311 · Office Equip/Leases	0.00				8,435.63	9,200.00	-764.37	91.69%	8,435.63	9,200.00	-764.37	91.69%
5312 · Misc Admin Expenses	0.00				12,102.00	14,000.00	-1,898.00	86.44%	12,102.00	14,000.00	-1,898.00	86.44%
5313 · Communications	0.00				7,412.87	8,500.00	-1,087.13	87.21%	7,412.87	8,500.00	-1,087.13	87.21%
5314 · Utilities	0.00				7,913.30	9,737.00	-1,823.70	81.27%	7,913.30	9,737.00	-1,823.70	81.27%
5315 · Membership Dues	0.00				9,956.72	9,410.00	546.72	105.81%	9,956.72	9,410.00	546.72	105.81%
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				23,507.78	16,500.00	7,007.78	142.47%	23,507.78	16,500.00	7,007.78	142.47%
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				1,076.14	2,000.00	-923.86	53.81%	1,076.14	2,000.00	-923.86	53.81%
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>139,706.63</b>	<b>249,148.00</b>	<b>-109,441.37</b>	<b>56.07%</b>	<b>139,706.63</b>	<b>249,148.00</b>	<b>-109,441.37</b>	<b>56.07%</b>
<b>5299 · ADMIN LABOR</b>	<b>0.00</b>				<b>511,282.64</b>	<b>610,984.00</b>	<b>-99,701.36</b>	<b>83.68%</b>	<b>511,282.64</b>	<b>610,984.00</b>	<b>-99,701.36</b>	<b>83.68%</b>
<b>5400 · GENERAL &amp; ADMIN - FISHERIES</b>												
5407 · Legal - FD	28,720.10	100,000.00	-71,279.90	28.72%	0.00				28,720.10	100,000.00	-71,279.90	28.72%
5410 · Postage / Office Supplies	3,281.46	4,000.00	-718.54	82.04%	0.00				3,281.46	4,000.00	-718.54	82.04%
5411 · Office Equipment / Leases	4,511.19	6,518.00	-2,006.81	69.21%	0.00				4,511.19	6,518.00	-2,006.81	69.21%
5412 · Misc. Admin Expense	4,474.73	7,500.00	-3,025.27	59.66%	0.00				4,474.73	7,500.00	-3,025.27	59.66%
5413 · Communications	4,091.94	5,805.00	-1,713.06	70.49%	0.00				4,091.94	5,805.00	-1,713.06	70.49%
5414 · Utilities	4,259.47	5,243.00	-983.53	81.24%	0.00				4,259.47	5,243.00	-983.53	81.24%
5415 · Membership Dues	6,226.69	5,955.00	271.69	104.56%	0.00				6,226.69	5,955.00	271.69	104.56%
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	12,658.02	9,000.00	3,658.02	140.65%	0.00				12,658.02	9,000.00	3,658.02	140.65%
5425 · Employee Education/Subscription	860.70	2,500.00	-1,639.30	34.43%	0.00				860.70	2,500.00	-1,639.30	34.43%
5426 · Director Fees	4,869.20	6,700.00	-1,830.80	72.68%	0.00				4,869.20	6,700.00	-1,830.80	72.68%
5427 · Director Mileage	249.40	300.00	-50.60	83.13%	0.00				249.40	300.00	-50.60	83.13%
5430 · Travel	1,092.64	2,500.00	-1,407.36	43.71%	0.00				1,092.64	2,500.00	-1,407.36	43.71%
5431 · Public Information	805.50	1,500.00	-694.50	53.7%	0.00				805.50	1,500.00	-694.50	53.7%
5441 · Audit	17,841.75	12,250.00	5,591.75	145.65%	0.00				17,841.75	12,250.00	5,591.75	145.65%
5443 · Liab & Property Ins	1,711.70	24,745.00	-23,033.30	6.92%	0.00				1,711.70	24,745.00	-23,033.30	6.92%
<b>Total 5400 · GENERAL &amp; ADMIN - FISHERIES</b>	<b>95,900.16</b>	<b>197,516.00</b>	<b>-101,615.84</b>	<b>48.55%</b>	<b>0.00</b>				<b>95,900.16</b>	<b>197,516.00</b>	<b>-101,615.84</b>	<b>48.55%</b>

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

	Fisheries				Operations				TOTAL			
	Jul '19 - Jun 20	Budget	\$ Over / Under Budget	% of Budget	Jul '19 - Jun 20	Budget	\$ Over / Under Budget	% of Budget	Jul '19 - Jun 20	Budget	\$ Over / Under Budget	% of Budget
5499 · ADMIN LABOR-FISHERIES	193,106.22	240,823.00	-47,716.78	80.19%	0.00				193,106.22	240,823.00	-47,716.78	80.19%
5510 · Integrated Reg. Water Mgt Plan	0.00				4,821.72	5,000.00	-178.28	96.43%	4,821.72	5,000.00	-178.28	96.43%
6000 · SPECIAL PROJECTS												
6062 · SCADA	0.00				33,561.98	60,000.00	-26,438.02	55.94%	33,561.98	60,000.00	-26,438.02	55.94%
6090 · COMB Office Building	0.00				7,096.40	25,000.00	-17,903.60	28.39%	7,096.40	25,000.00	-17,903.60	28.39%
6096 · SCC Structure Rehabilitation	0.00				391,029.94	448,000.00	-56,970.06	87.28%	391,029.94	448,000.00	-56,970.06	87.28%
6097 · GIS and Mapping	0.00				6,500.00	10,000.00	-3,500.00	65.0%	6,500.00	10,000.00	-3,500.00	65.0%
6105 · ROW Management Program	0.00				10,996.10	20,000.00	-9,003.90	54.98%	10,996.10	20,000.00	-9,003.90	54.98%
6120 · Emergency Pumping Fac Project	0.00				160,278.01	225,000.00	-64,721.99	71.24%	160,278.01	225,000.00	-64,721.99	71.24%
6132 · Sycamore Canyon Slope Stabiliz	0.00				574,490.21	605,242.00	-30,751.79	94.92%	574,490.21	605,242.00	-30,751.79	94.92%
6135 · SCC San Jose Creek Pipe Stabill	0.00				183,222.99	150,000.00	33,222.99	122.15%	183,222.99	150,000.00	33,222.99	122.15%
6136 · SCC Isolation Valve Evaluation	0.00				25,755.71	47,000.00	-21,244.29	54.8%	25,755.71	47,000.00	-21,244.29	54.8%
6137 · SCC Lower Reach Lateral Structu	0.00				82,878.60	130,000.00	-47,121.40	63.75%	82,878.60	130,000.00	-47,121.40	63.75%
6138 · Cachuma Watershed Mgmt Study	0.00				333,008.82	325,085.00	7,923.82	102.44%	333,008.82	325,085.00	7,923.82	102.44%
<b>Total 6000 · SPECIAL PROJECTS</b>	<b>0.00</b>				<b>1,808,818.76</b>	<b>2,045,327.00</b>	<b>-236,508.24</b>	<b>88.44%</b>	<b>1,808,818.76</b>	<b>2,045,327.00</b>	<b>-236,508.24</b>	<b>88.44%</b>
6200 · FISHERIES ACTIVITIES												
6201 · FMP Implementation	10,862.51	33,000.00	-22,137.49	32.92%	0.00				10,862.51	33,000.00	-22,137.49	32.92%
6202 · GIS and Mapping	3,730.00	10,000.00	-6,270.00	37.3%	0.00				3,730.00	10,000.00	-6,270.00	37.3%
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	96,170.53	100,000.00	-3,829.47	96.17%	0.00				96,170.53	100,000.00	-3,829.47	96.17%
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	18,358.32	30,000.00	-11,641.68	61.19%	0.00				18,358.32	30,000.00	-11,641.68	61.19%
<b>Total 6200 · FISHERIES ACTIVITIES</b>	<b>129,121.36</b>	<b>194,000.00</b>	<b>-64,878.64</b>	<b>66.56%</b>	<b>0.00</b>				<b>129,121.36</b>	<b>194,000.00</b>	<b>-64,878.64</b>	<b>66.56%</b>
6300 · HABITAT ENHANCEMENT												
6303 · Tributary Projects Support	1,698.58	20,000.00	-18,301.42	8.49%	0.00				1,698.58	20,000.00	-18,301.42	8.49%
6315 · Quiota Creek Crossing 8												
6315-1 · QC-8 Erosion Control Project	520.00				0.00				520.00	0.00	520.00	100.0%
6315 · Quiota Creek Crossing 8 - Other	1,198,936.69	1,176,000.00	22,936.69	101.95%	0.00				1,198,936.69	1,176,000.00	22,936.69	101.95%
<b>Total 6315 · Quiota Creek Crossing 8</b>	<b>1,199,456.69</b>	<b>1,176,000.00</b>	<b>23,456.69</b>	<b>102.0%</b>	<b>0.00</b>				<b>1,199,456.69</b>	<b>1,176,000.00</b>	<b>23,456.69</b>	<b>102.0%</b>
<b>Total 6300 · HABITAT ENHANCEMENT</b>	<b>1,201,155.27</b>	<b>1,196,000.00</b>	<b>5,155.27</b>	<b>100.43%</b>	<b>0.00</b>				<b>1,201,155.27</b>	<b>1,196,000.00</b>	<b>5,155.27</b>	<b>100.43%</b>
7007 · INTEREST EXPENSE-EPFP	0.00				27,636.16				27,636.16	0.00	27,636.16	100.0%
<b>Total Expense</b>	<b>\$ 2,415,198.28</b>	<b>\$ 2,628,854.00</b>	<b>\$ (213,655.72)</b>	<b>91.87%</b>	<b>\$ 3,660,418.27</b>	<b>\$ 4,138,123.00</b>	<b>\$ (477,704.73)</b>	<b>88.46%</b>	<b>\$ 6,075,616.55</b>	<b>\$ 6,766,977.00</b>	<b>\$ (691,360.45)</b>	<b>89.78%</b>
<b>Net Surplus / Deficit</b>	<b>\$ 198,430.72</b>	<b>\$ -</b>	<b>\$ 198,430.72</b>	<b>7.55%</b>	<b>\$ 891,651.00</b>	<b>\$ -</b>	<b>\$ 891,651.00</b>	<b>21.55%</b>	<b>\$ 1,090,081.72</b>	<b>\$ -</b>	<b>\$ 1,090,081.72</b>	<b>16.11%</b>

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	July 27, 2020
Submitted by:	Janet Gingras

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**SUBJECT:** Investment Report – June 30, 2020

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### **RECOMMENDATION**

The Board of Directors receive and file the Cachuma Operation and Maintenance Board Investment Report as of June 30, 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 June 2020, is reported at 1.217%.

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		05/31/2020	\$ 1,885,505.75
(+) Deposits/Credits		06/30/2020	200,000.00
(-) Checks/Withdrawals		06/17/2020	-700,000.00
Statement Balance		06/30/2020	\$ 1,385,505.75

#### 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	05/31/2020	\$ 10,215.61
	(+) Deposits/Credits		-
	(-) Checks/Withdrawals		-
	Statement Balance	06/30/2020	\$ 10,215.61
American Riviera Bank Warren Act Trust Fund			
	Previous Balance	05/31/2020	\$ 251,576.19
	(+) Deposits/Credits		-
	(-) Checks/Withdrawals		-127,436.47
	Statement Balance	06/30/2020	\$ 124,139.72

**STATEMENT**

The above statement of investment activity for the month of June, 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 June 30, 2020

Date	Num	Name	Memo	Amount
<b>1050 - General Fund</b>				
06/04/2020	27735	All-Cal Equipment Service, Inc.	Annual Hoist Inspection	-535.00
06/04/2020	27736	American Riviera Bank - Card Service	Website, Subscriptions, Water Quality Testing Supplies (Ops), Employment Ads (Ops), Misc. Equipment & Supplies (Ops & Fisheries)	-4,493.28
06/04/2020	27737	Aqua-Flo Supply	Supplies (Fisheries)	-167.58
06/04/2020	27738	Carpinteria Valley Lumber Company	Supplies (Ops)	-11.88
06/04/2020	27739	Cori Hayman	Director Meeting Fees May 2020	-150.00
06/04/2020	27740	Culligan of Sylmar	RO Rental May 2020	-24.95
06/04/2020	27741	ECHO Communications	Message Service June 2020	-69.35
06/04/2020	27742	Fisher Scientific	Lake Cachuma Water Quality - Testing Solutions	-59.56
06/04/2020	27743	Frontier Communications	Phone Service - North Portal	-62.27
06/04/2020	27744	Frontier Communications	Phone Service - Alarm, Fax, Modem, Board Room	-191.42
06/04/2020	27745	Harrison Hardware	Supplies (Fisheries)	-91.77
06/04/2020	27746	Home Depot Credit Services	Supplies (Ops & Fisheries)	-628.13
06/04/2020	27747	J&C Services	Office Cleaning Service - Weekly 4/24/20-5/15/20	-600.00
06/04/2020	27748	Jeff Goddard	Mileage Reimbursement May 2020 (Fisheries)	-296.70
06/04/2020	27749	Kristen Sneddon	Director Meeting Fees May 2020	-300.00
06/04/2020	27750	Lauren W. Hanson	Director Meeting Fees May 2020	-150.00
06/04/2020	27751	MarBorg Industries	Portable Facilities - Outlying Stations	-387.92
06/04/2020	27752	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 5/15/20 & 5/29/20	-199.00
06/04/2020	27753	Polly Holcombe	Director Meeting Fees May 2020	-256.00
06/04/2020	27754	Quinn Company	Lauro & North Portal Generator Load Tests & Maintenance (Ops)	-3,696.72
06/04/2020	27755	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee	-163.45
06/04/2020	27756	Wright Express Fleet Services	Fleet Fuel May 2020	-2,760.57
06/04/2020	27757	Zac Gonzalez Landscaping & Tree Care	Landscape Maintenance May 2020	-480.00
06/04/2020	27758	ZWorld GIS	ROW Identification Program - Aerial Imagery Regional Collaborative	-10,500.00
06/04/2020	27759	City of Santa-Barbara	Trash / Recycling May 2020	-285.46
06/18/2020	27760	All Safe Industries	Conduit Marker Stake Flags (Ops)	-496.10
06/18/2020	27761	Coastal Copy, LP	Copier Maintenance - Kyocera Taskalpas 3051ci & 6052ci	-861.03
06/18/2020	27762	Core and Main, LP	South Coast Conduit Lower Reach Lateral Structures - Materials	-5,548.86
06/18/2020	27763	County of Santa--Barbara	Green Waste Dump Fees (Ops)	-44.16
06/18/2020	27764	Cox Communications Santa Barbara	Business Internet June 2020	-140.00
06/18/2020	27765	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality - Sampling	-7,870.00
06/18/2020	27766	Farwest Corrosion Control Co.	South Coast Conduit Maintenance - Supplies	-1,675.51
06/18/2020	27767	Flowers & Associates, Inc.	South Coast Conduit Lower Reach Lateral Structures - Engineering Services	-10,203.75
06/18/2020	27768	Impulse Advanced Communications	Phone Service - Main	-445.10
06/18/2020	27769	O'Reilly Automotive, Inc.	Automotive Supplies (Ops)	-8.68
06/18/2020	27770	Powell Garage	2005 Ford F-150 & 2007 Ford F-350 Oil Changes (Ops)	-251.15
06/18/2020	27771	Premiere Global Services	Conference Calls May 2020	-383.05
06/18/2020	27772	Quinn Company	Annual Maintenance - Lauro & North Portal Generator Batteries	-1,696.24
06/18/2020	27773	Southern California Edison	Electricity - Main & Outlying Stations	-983.74
06/18/2020	27774	Sparkletts	Operations Safety	-54.24
06/18/2020	27775	Spatial Wave	GIS & Mapping - Field Mapplet Software Maintenance July - September 2020 (Ops)	-925.00
06/18/2020	27776	Taft Electric	Glen Annie Turnout Electrical Connection to Goleta Water District	-9,477.00
06/18/2020	27777	Trenchalk Network Services, Inc.	Network Support	-1,805.22
06/18/2020	27778	Woodard & Curran	Lake Cachuma Water Quality Study - Professional Services April 2020	-16,147.00
06/25/2020	062520A	American Riviera Bank (ARB)	EPFP Loan Payment 1 of 2	-28,123.75
06/25/2020	062520B	American Riviera Bank (ARB)	EPFP Loan Payment 2 of 2	-10,354.21
06/29/2020	27780	All Safe Industries	Personal Protective Equipment - Respirator Mask	-159.80
06/29/2020	27781	Aspect Engineering Group	SCADA Upgrade - PLC 8	-890.00
06/29/2020	27782	Cabela's LLC/Bass Pro LLC	Uniforms - Waders (Fisheries)	-135.62
06/29/2020	27783	Cushman Contracting Corp.	EPFP Pumping System - Pay Req #74	-3,500.00
06/29/2020	27784	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality - Sampling	-3,050.00

Item #4c

Page 1

**Cachuma Operation & Maintenance Board**

**Paid Claims**

As of June 30, 2020

<b>Date</b>	<b>Num</b>	<b>Name</b>	<b>Memo</b>	<b>Amount</b>
06/29/2020	27785	Famcon Pipe & Supply	South Coast Conduit Lower Reach Lateral Structures - Materials	-4,269.53
06/29/2020	27786	Famcon Pipe & Supply	South Coast Conduit Lower Reach Lateral Structures - Materials	-852.06
06/29/2020	27787	Federal Express	Shipping (Ops & Fisheries)	-986.41
06/29/2020	27788	J&C Services	Office Cleaning Service - Weekly 5/22/20-6/12/20	-600.00
06/29/2020	27789	LimnoTech	Lake Cachuma Water Quality - Water Quality Buoy	-1,266.29
06/29/2020	27790	Makai Ocean Engineering, Inc.	Lake Cachuma Conveyance Operations Feasibility Study - Professional Services	-64,635.40
06/29/2020	27791	MarBorg Industries	Portable Facilities - Outlying Stations	-387.92
06/29/2020	27792	Nutrien Ag Solutions, Inc.	Weed Abatement Supplies (Ops)	-191.36
06/29/2020	27793	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 6/12/20 & 6/26/20	-188.00
06/29/2020	27795	Wells Fargo Vendor Fin Serv	Copier Leases - Kyocera Taskalfas 3051ci & 6052ci	-411.08
06/29/2020	27796	Woodard & Curran	Lake Cachuma Water Quality Study - Professional Services May 2020	-25,491.50
Total 1050 - General Fund				<u>-231,069.77</u>
<b>TOTAL</b>				<b><u>-231,069.77</u></b>

**APPROVALS**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# CACHUMA OPERATION & MAINTENANCE BOARD

## Operations Committee Meeting

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

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Wednesday, July 15, 2020  
1:00 pm

### AGENDA

Chair: Director Sneddon  
Member: Director Holcombe

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter not on the agenda and within the Committee's jurisdiction*)
3. Infrastructure Improvement Project – Schedule F Air Vacuum Air Release (AVAR) / Blow-off Structure Rehabilitation Project – Materials Purchase (*for information and possible recommendation*)
4. Engineering / Operations Projects Update (*for information and possible recommendation*)
  - Water Quality and Sediment Management Study
  - AWIA Emergency Action Plan
  - Secured Pipeline Project Engineering Designs
5. Adjournment

#### NOTICE TO THE PUBLIC

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

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

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

# CACHUMA OPERATION & MAINTENANCE BOARD

## Fisheries Committee Meeting

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

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Friday, July 17, 2020  
9:00 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. Scopes of Work (SOW) and Draft Professional Services Agreements for Fiscal Year 2020-21 for Fisheries Division Consultants (*for information and possible recommendation*)
4. Update on Recent Fisheries Division Activities (*for information*)
  - South Side Restoration Project
  - ESRI Conference Presentation (<https://www.cachuma-board.org/stream-and-fish-habitat-restoration-project>)
  - Field Observations
  - Addendums to Santa Barbara County MOU
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.]

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	July 27, 2020
Submitted by:	Janet Gingras

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**SUBJECT:** Committee Appointments for Fiscal Year 2020-21

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**RECOMMENDATION:**

It is recommended that the President of the Board consider and appoint standing committee members for Fiscal Year 2020-21.

**SUMMARY:**

The COMB Board consists of five standing committees including Administrative, Operations, Fisheries, Lake Cachuma Oak Tree, and Public Outreach. Each committee consists of two Board Directors (one of which is the Chair and the other a Member) and an alternate Director to serve on each committee. The committees meet during the course of the fiscal year, on an as-needed basis, together with COMB staff, to discuss various subjects and make recommendations to the Board. The Board President is responsible for the appointment of Directors to serve on each committee.

**LIST OF EXHIBITS:**

1. Current Committee appointments

COMMITTEE NAME	COMMITTEE CHAIR	COMMITTEE MEMBER	ALTERNATE MEMBER
<b>Administrative (Finance, Personnel, Legal)</b>	Director Holcombe	Director Hanson	Director Hayman
<b>Operations</b>	Director Sneddon	Director Holcombe	Director Hanson
<b>Fisheries</b>	Director Hanson	Director Hayman	Director Holcombe
<b>Lake Cachuma Oak Tree</b>	Director Hayman	Director Sneddon	Director Hanson
<b>Public Outreach</b>	Director Hanson	Director Holcombe	Director Hayman

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

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

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**SUBJECT:** Annual Resolutions Regarding Bank Accounts, Statement of Investment Policy and Establishing a Time and Place for Regular Board Meetings

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**RECOMMENDATION:**

The Board of Directors approve Resolutions No. 709 through No. 717 by roll call vote on one motion, unless a member requests separate consideration.

**SUMMARY:**

In June or July of each year, the Board holds its annual organizational meeting. The attached resolutions are presented annually to adopt an annual statement of investment policy, affirm the check signing policy for all COMB bank accounts, authorize signatories on those accounts, and establish the time and place of COMB Board meetings. The approval of the attached resolutions is a basic housekeeping item and is identical to the resolutions presented to the Board in the past. Prior resolutions of the same subject matter will be superseded by the resolutions presented within.

The regular COMB Board meetings are held the fourth Monday of each month. Resolution No. 717 establishes regular meeting dates of the COMB Board. However, due to occasions where a holiday falls on or near the fourth Monday, the regular meeting has historically been moved to the third Monday for that particular month.

**LIST OF EXHIBITS:**

1. Resolutions No. 709 through No. 717

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**RESOLUTION NO. 709**

**A RESOLUTION OF THE CACHUMA OPERATION AND MAINTENANCE BOARD  
ADOPTING AN ANNUAL STATEMENT  
OF INVESTMENT POLICY**

**WHEREAS**, the Board of Directors has heretofore established a General Fund from which monies may be expended for general operating purposes, and

**WHEREAS**, the Board of Directors, has in addition, established reserve funds designated as "General Reserve" from which monies may be expended for specific and operating purposes, and

**WHEREAS**, the Cachuma Operation and Maintenance Board has on hand in the General Fund from time to time monies which are surplus to the Board's immediate operating needs, and

**WHEREAS**, it has been determined to be in the public interest to invest such surplus and inactive monies in a manner which insures a maximum return consistent with safety on such investments while maintaining the integrity of such surplus and inactive funds, and

**WHEREAS**, the Board of Directors has heretofore designated depositories, and may from time to time hereafter designate additional such depositories to have custody of Cachuma Operation and Maintenance Board funds, and

**WHEREAS**, such designated depositories must provide security for such Board funds as may be deposited with them, as provided by statute, and

**WHEREAS**, the Secretary has rendered an Annual Statement of Investment Policy to the Board pursuant to Section 53646(a) of the Government Code

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

The Secretary's Annual Statement of Investment Policy dated July 27, 2020 attached hereto as Exhibit A, is hereby approved and adopted.

**PASSED, APPROVED AND ADOPTED** this 27<sup>th</sup> day of July 2020 by the following roll call vote:

**AYES:**

**NAYS:**

**ABSENT:**

**ABSTAIN:**

APPROVED:

ATTEST:

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

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

**TO:** Board of Directors  
**FROM:** Janet Gingras, Secretary  
**DATE:** July 27, 2020  
**RE:** **SECRETARY'S ANNUAL STATEMENT OF INVESTMENT POLICY**

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The following is my annual statement of investment policy rendered pursuant to Section 53646(a) of the Government Code:

1. Investment of sinking fund or surplus money of Cachuma Operation & Maintenance Board (*Board*) shall be made in securities in which the Board is legally empowered to invest such funds in accordance with Section 53601 of the Government Code, taking into consideration the probable income as well as the probable safety of said funds, exercising the judgment and care under the circumstances prevailing, which persons of prudence, discretion and intelligence exercise in the management of their own affairs, not in regard to speculation, but in regard to the permanent disposition of said funds.
2. As far as possible, all money shall be deposited for safekeeping in state or national banks or state or federal savings and loan associations or may be invested as provided in Section 53635 of the Government Code.
3. Money may be invested in the Local Agency Investment Fund in accordance with Section 16429.1 of the Government Code.
4. No investments shall be made in financial futures or financial option contracts which are otherwise allowed pursuant to Section 53601.1 of the Government Code.
5. All interest earned shall be credited to the General Fund.
6. Accounts shall be established and maintained in Board accounting records to record surplus and inactive funds at all times in accordance with the State Controller's chart of accounts as authorized by Section 53891 of the Government Code.
7. Reserve Fund account balances shall be maintained separately and shall reflect at all times the balance in each reserve fund in a manner consistent with generally accepted accounting practices.
8. Depositories having custody of Board funds shall be directed to forward copies of all correspondence concerning Board funds to the Secretary of the Board.
9. Verification that monies have been on deposit at all times and collateralized in amounts equal to or in excess of funds designated by the Board of Directors as reserve funds shall be made in the annual audit of records.
10. After review and prior authorization by the Board of Directors, the Secretary should be delegated the authority and responsibility to invest or to reinvest funds of the Board or to sell or exchange securities so purchased in accordance with Section 53607 of the Government Code.
11. The Board should from time to time determine which reserve funds are surplus and which are inactive.
12. The Secretary shall render a monthly report to the Board in accordance with Section 53646(b) of the Government Code.

**RESOLUTION NO. 710**

**RESOLUTION OF THE BOARD OF DIRECTORS OF  
CACHUMA OPERATION AND MAINTENANCE BOARD  
AUTHORIZING INVESTMENT OF MONIES IN THE  
LOCAL AGENCY INVESTMENT FUND**

**WHEREAS**, Pursuant to Chapter 730 of the statutes of 1976 Section 16429.1 was added to the California Government Code to create a Local Agency Investment Fund in the State Treasury for the deposit of money of a local agency for purposes of investment by the State Treasurer; and

**WHEREAS**, The Board of Directors does hereby find that the deposit and withdrawal of money in the Local Agency Investment Fund in accordance with the provisions of Section 16429.1 of the Government Code for the purpose of investment as stated therein is in the best interests of the Cachuma Operation and Maintenance Board (COMB).

**NOW THEREFORE, BE IT RESOLVED**, that the Board of Directors does hereby authorize the deposit and withdrawal of COMB monies in the Local Agency Investment Fund in the State Treasury in accordance with the provisions of Section 16429.1 of the Government Code for the purpose of investment as stated therein, and verification by the State Treasurer's Office of all banking information provided in that regard.

**BE IT FURTHER RESOLVED**, that the following COMB officers or their successors in office shall be authorized to order the deposit or withdrawal of monies in the Local Agency Investment Fund.

_____ President, Board of Directors	_____ Vice-President, Board of Directors
_____ General Manager/ Secretary of the Board	_____ Administrative Manager/CFO Auditor-Controller

This resolution supersedes Resolution No. 690 dated July 22, 2019, and all resolutions preceding it pertaining to authorized deposits and withdrawals for said account.

**PASSED, APPROVED AND ADOPTED**, by the Board of Directors of COMB, County of Santa Barbara, State of California on July 27, 2020 by the following vote:

**AYES:**

**NAYS:**

**ABSENT:**

**ABSTAIN:**

APPROVED:

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

ATTEST:

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

**RESOLUTION NO. 711**

**A RESOLUTION OF THE  
CACHUMA OPERATION AND MAINTENANCE BOARD (CUSTOMER)  
ESTABLISHING A SUPPLEMENTAL ACCOUNT AGREEMENT  
FOR TELEPHONE TRANSFERS**

The undersigned Customer further agrees with American Riviera Bank (*formerly The Bank of Santa Barbara*) (Bank) in connection with its Agreement for General Fund and Revolving Fund Accounts, hereinafter referred to as the "checking accounts", that the Bank may honor telephone instructions to transfer funds to and from the State Treasurer's Local Agency Investment Fund, maintained at the Bank of America Sacramento Branch to and from Customer's above listed local accounts when such instructions are given by the person, or one of the persons, authorized below to make such transfers.

In consideration of the Bank accepting telephone instructions to transfer, the Bank may require such identification of the person giving such instructions as it may deem necessary and sufficient and the undersigned Customer will indemnify and hold harmless the Bank from all loss or damage resulting from such instructions, including incorrect identification.

Any one of the following persons is authorized to make telephone transfers to and from the Checking Accounts(s):

_____	_____
President, Board of Directors	Vice-President, Board of Directors
_____	_____
General Manager/ Secretary of the Board	Administrative Manager/CFO Auditor-Controller

The Bank is authorized to accept and rely upon the telephone instructions of the above persons, and each of them, unless and until the undersigned Customer shall deliver to the Bank at the Branch where the Checking accounts are located a specific written instruction revoking the authority of such person(s) to make such telephone instruction, and the Bank has a reasonable opportunity to comply (*which shall be at least one banking business day*) with the written revocation of authority.

This resolution supersedes Resolution No. 691 dated July 22, 2019, and all resolutions preceding it pertaining to said Agreement.

**PASSED, APPROVED AND ADOPTED** this 27<sup>th</sup> day of July 2020 by the following roll call vote:

**AYES:**

**NAYS:**

**ABSENT:**

**ABSTAIN:**

APPROVED:

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

ATTEST:

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

**RESOLUTION NO. 712**

**A RESOLUTION OF THE CACHUMA OPERATION AND MAINTENANCE BOARD  
ESTABLISHING A POLICY FOR SIGNING CHECKS DRAWN ON THE GENERAL FUND  
ACCOUNT FOR THE PAYMENT OF CLAIMS**

**WHEREAS**, the Cachuma Operation and Maintenance Board maintains a separate checking account at American Riviera Bank (*formerly The Bank of Santa Barbara*) (Bank) for the payment of bills and claims presented to the Board herein called the General Fund, and

**WHEREAS**, the checks issued on the General Fund require two (2) authorized signatures before the checks are honored by the Bank; and

**WHEREAS**, the Board of Directors reviews and approves the payment of claims for all checks issued on the General Fund at the Board's monthly meeting,

**NOW, THEREFORE BE IT RESOLVED** by the Board of Directors of the Cachuma Operation and Maintenance Board that the following policy be adopted:

All checks issued from the General Fund will require two (2) signatures of the following: General Manager, Administrative Manager/CFO and any member of the Board of Directors.

This resolution supersedes Resolution No. 692 dated July 22, 2019, and all resolutions preceding it pertaining to establishing policy for staff to sign checks for payment of claims.

**PASSED, APPROVED AND ADOPTED** this 27<sup>th</sup> day of July 2020, by the following vote:

**AYES:**  
**NAYS:**  
**ABSENT:**  
**ABSTAIN:**

APPROVED:

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

ATTEST:

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

**RESOLUTION NO. 713**

**A RESOLUTION OF THE  
CACHUMA OPERATION AND MAINTENANCE BOARD AUTHORIZING  
SIGNATORIES FOR GENERAL FUND ACCOUNT AT  
AMERICAN RIVIERA BANK**

**WHEREAS**, the Cachuma Operation and Maintenance maintains a separate checking account at American Riviera Bank (*formerly The Bank of Santa Barbara*) (Bank) for the payment of bills and claims presented to the Board herein called the General Fund, and

**WHEREAS**, the checks issued on the General Fund require two (2) authorized signatures; and

**WHEREAS**, the Board of Directors reviews and approves the payment of claims for all checks issued on the General Fund at the Board's monthly meeting.

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors of the Cachuma Operation and Maintenance Board that the following persons are authorized signatories on said account subject to those conditions as specified in Resolution No. 712 adopted by this Board on July 27<sup>th</sup>, 2020.

\_\_\_\_\_  
President, Board of Directors

\_\_\_\_\_  
Vice-President, Board of Directors

\_\_\_\_\_  
Director

\_\_\_\_\_  
Director

\_\_\_\_\_  
General Manager/Secretary of the Board

\_\_\_\_\_  
Administrative Manager/CFO Auditor-Controller

This resolution supersedes Resolution No. 693 dated July 22, 2019, and all resolutions preceding it pertaining to authorized signatories for said account.

**PASSED, APPROVED AND ADOPTED** this 27<sup>th</sup> day of July 2020, by the following vote:

**AYES:**

**NAYS:**

**ABSENT:**

**ABSTAIN:**

APPROVED:

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

ATTEST:

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



**RESOLUTION NO. 714**

**A RESOLUTION OF THE  
CACHUMA OPERATION AND MAINTENANCE BOARD AUTHORIZING  
SIGNATORIES FOR REVOLVING FUND ACCOUNT AT  
AMERICAN RIVIERA BANK**

**WHEREAS**, the Cachuma Operation and Maintenance Board maintains a separate checking account at American Riviera Bank (*formerly The Bank of Santa Barbara*) (Bank) for the payment of payroll and related items herein called the Revolving Fund, and

**WHEREAS**, the checks issued on the Revolving Fund require one authorized signature before the checks are honored by the Bank.

**NOW, THEREFORE BE IT RESOLVED** by the Board of Directors of the Cachuma Operation and Maintenance Board that the following persons are authorized signatories on said account:

\_\_\_\_\_  
President, Board of Directors

\_\_\_\_\_  
Vice-President, Board of Directors

\_\_\_\_\_  
General Manager/Secretary of the Board

\_\_\_\_\_  
Administrative Manager/CFO Auditor-Controller

This resolution supersedes Resolution No. 694 dated July 22, 2019, and all resolutions preceding it pertaining to authorized signatories for said account.

**PASSED, APPROVED AND ADOPTED** this 27<sup>th</sup> day of July 2020, by the following vote:

**AYES:**

**NAYS:**

**ABSENT:**

**ABSTAIN:**

APPROVED:

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

ATTEST:

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

**RESOLUTION NO. 715**

**A RESOLUTION OF THE CACHUMA OPERATION AND MAINTENANCE BOARD  
ESTABLISHING A POLICY FOR SIGNING CHECKS DRAWN ON THE  
CACHUMA PROJECT TRUST FUND AND THE  
CACHUMA MASTER CONTRACT RENEWAL FUND ACCOUNTS  
FOR THE PAYMENT OF CLAIMS**

**WHEREAS**, the Cachuma Operation and Maintenance Board has established separate money market accounts at American Riviera Bank (*formerly The Bank of Santa Barbara*) (Bank) for the payment of bills and claims presented to the Board herein called the Cachuma Project Trust Fund and the Cachuma Master Contract Renewal Fund Account (Renewal Fund), and

**WHEREAS**, the checks issued on either money market account require two (2) authorized signatures before the checks are honored by the Bank; and

**WHEREAS**, the Board of Directors reviews and approves the payment of claims for all checks issued on the Cachuma Project Trust Fund and Renewal Fund accounts at the Board's monthly meeting,

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors of the Cachuma Operation and Maintenance Board that the following policy be adopted:

All checks issued from the Cachuma Project Trust Fund and Renewal Fund accounts will require two (2) signatures of the following: General Manager, Administrative Manager and any member of the Board of Directors.

This Resolution supersedes Resolution No. 695 dated July 22, 2019 and all resolutions preceding it pertaining to establishing policy for signing checks drawn on the Cachuma Project Trust Fund and Renewal Fund accounts.

**PASSED, APPROVED AND ADOPTED** this 27<sup>th</sup> day of July 2020, by the following vote:

**AYES:**  
**NAYS:**  
**ABSENT:**  
**ABSTAIN:**

APPROVED:

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

ATTEST:

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

**RESOLUTION NO. 716**

**A RESOLUTION OF THE  
CACHUMA OPERATION AND MAINTENANCE BOARD AUTHORIZING  
SIGNATORIES FOR THE CACHUMA PROJECT TRUST FUND AND THE  
CACHUMA MASTER CONTRACT RENEWAL FUND ACCOUNTS AT  
AMERICAN RIVIERA BANK**

**WHEREAS**, the Cachuma Operation and Maintenance Board (COMB) by Resolution No. 249 of January 27, 1997 assumed responsibility for managing the Cachuma Project Trust Fund and the Cachuma Master Contract Renewal Fund (Renewal Fund), and

**WHEREAS**, COMB has identified American Riviera Bank (*formerly The Bank of Santa Barbara*) (Bank) as the most favorable institution with which to establish these accounts; and

**WHEREAS**, the checks issued on the Renewal Fund and Cachuma Project Trust Fund require two (2) authorized signatures; and

**WHEREAS**, the Board of Directors reviews and approves the payment of claims for all checks issued on the Renewal Fund and Cachuma Project Trust Fund accounts at the Board's monthly meeting,

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors of the Cachuma Operation and Maintenance Board that the following persons are authorized signatories on said accounts subject to those conditions as specified in Resolution No. 715 adopted by this Board on July 27<sup>th</sup>, 2020.

\_\_\_\_\_  
President, Board of Directors

\_\_\_\_\_  
Vice-President, Board of Directors

\_\_\_\_\_  
Director

\_\_\_\_\_  
Director

\_\_\_\_\_  
General Manager/Secretary of the Board

\_\_\_\_\_  
Administrative Manager/Auditor-Controller

This resolution supersedes Resolution No. 696 dated July 22, 2019, and all resolutions preceding it pertaining to authorized signatories for said account.

**PASSED, APPROVED AND ADOPTED** this 27<sup>th</sup> day of July 2020 by the following vote:

**AYES:**

**NAYS:**

**ABSENT:**

**ABSTAIN:**

APPROVED:

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

ATTEST:

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

**RESOLUTION NO. 717**

**A RESOLUTION OF THE CACHUMA OPERATION AND  
MAINTENANCE BOARD ESTABLISHING THE TIME AND  
PLACE OF REGULAR BOARD MEETINGS**

**WHEREAS**, the Cachuma Operation and Maintenance Board (“COMB”) maintains its offices and mailing address at 3301 Laurel Canyon Road, Santa Barbara, CA 93105-2017.

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors of COMB that the following policy be adopted:

Unless otherwise noted, the regular meetings of the COMB Board of Directors shall be held each fourth Monday of the month, at 1:00 p.m., at the above address. If a Holiday falls on the fourth Monday of the month, the regular Board meeting will be held on the third Monday during such months. A list of the Regular Board meeting dates will be provided for each calendar year.

Special meetings of the COMB Board of Directors may be called at any time by the presiding officer or by a majority of the Directors, in accordance with the provisions of Government Code Section 54956.

This Resolution supersedes Resolution No. 697 dated July 22, 2019 and all resolutions preceding it pertaining to establishing a time and place for regular meetings of the COMB Board of Directors.

**PASSED, APPROVED AND ADOPTED** this 27<sup>th</sup> day of July 2020, by the following roll call vote:

**AYES:**

**NAYS:**

**ABSENT:**

**ABSTAIN:**

APPROVED:

---

President of the Board

ATTEST:

---

Secretary of the Board

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	July 27, 2020
Submitted by:	Joel Degner
Approved by:	Janet Gingras

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**SUBJECT:**     **Infrastructure Improvement Project (IIP) - Schedule (F) Air Vacuum Air Release (AVAR) / Blow-off Structure Rehabilitation Project – Materials Purchase**

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**RECOMMENDATION:**

The Board of Directors review the proposed materials expenditure for Schedule (F) of the AVAR / Blow-off Structure Rehabilitation Project; approve and authorize the General Manager to execute a purchase order with Jifco Inc. for materials in an amount not to exceed \$50,000.

**SUMMARY:**

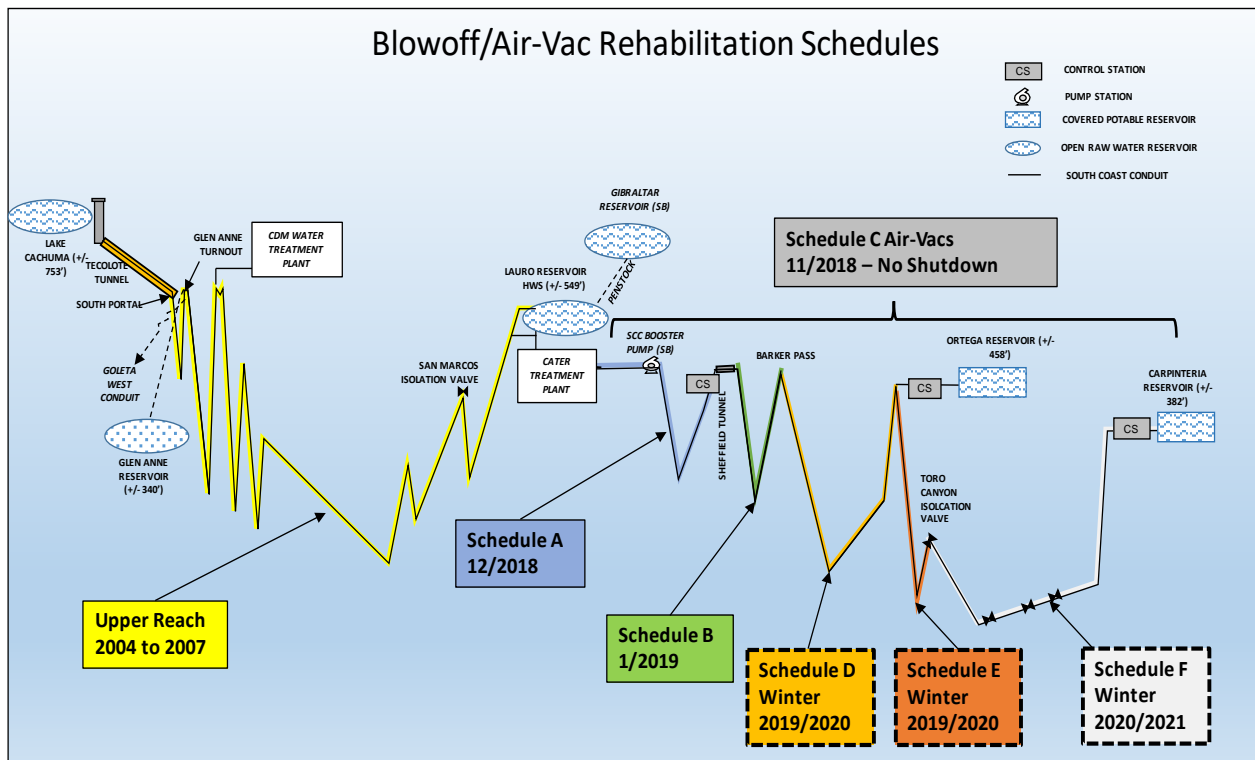
Rehabilitation to the AVAR and blow-off structures on the South Coast Conduit (SCC) is a component of the COMB Board approved Infrastructure Improvement Plan (IIP) and is essential for continued reliable delivery of water from the South Coast Conduit to our Member Agencies. Without this project, unscheduled emergency repairs would eventually be required, interrupting water deliveries to a significant portion of the system.

**BACKGROUND:**

The SCC is a concrete-lined, concrete-encased steel pipeline extending twenty-six miles from the Goleta reach south to Carpinteria Reservoir. The pipeline ranges in diameter from 27" to 48".

The SCC contains three different types of appurtenant structures: blow-offs, air vents, and laterals (or turnouts). These structures are located within vaults along the length of the South Coast Conduit. Overtime, the metal components of these structures have corroded and have been identified as having questionable integrity. Existing air vents connect to the conduit through 4-inch outlets in the manhole covers. The air vent rehabilitation involves replacing manhole covers, installing new valves, and raising the air vents above grade (ground level). Due to the severe corrosion on the blow-off risers, the riser pipes on many of the blow-offs need to be abandoned (grit blasted, coated, blind flanged, grout plug, and encase in concrete) and replaced with new manhole covers, new components and blow-off outlets.

COMB completed structure rehabilitation in the Upper Reach from 2004 to 2007. In 2017, HDR Engineering, Inc. was selected as the engineering firm to provide a detailed assessment of site conditions, equipment conditions, and access constraints for the Lower Reach structures. Alternative strategies for implementing the repairs were investigated and a recommended approach was determined. The plans and specifications provide the suggested repairs from Cater Treatment Plant to Carpinteria Reservoir. The repair and upgrade of the blow-offs and AVAR structures have been divided into 6 different schedules by location and coordinated timing for shutdowns (Figure 1). The project solicited for bid on December 8, 2017 included schedule A, B, and C repairs. Cushman Contracting was the lowest responsive, responsible bidder by 30 percent.



During the winter of 2018-2019, Cushman Contracting Corporation (CCC) completed the AVAR/BO rehabilitation on 23 structures in three different schedules: A, B, and C. Based on CCC's successful performance on schedules A, B, and C, CCC was engaged to complete the AVAR/BO Rehabilitation on 11 structures outlined in Schedule D and E in the Winter of 2019-2020. Schedule F involves the rehabilitation of 12 structures (five air vents and seven blow-offs on the SCC). The structures will need to be completed in at least four separate shutdowns.

The highest pressures in the Lower Reach of the South Coast Conduit are in the Carpinteria area. Air vents and blowoff structures in the Carpinteria area require higher pressure-rated valves and piping (Class 250 versus 150). The rehabilitation work requires custom 20-inch blind flanges with 4-inch and 6-inch outlets to replace the existing manhole covers. In the past, the 20-inch blind flanges have been the long lead item and could delay construction as they can take as much as three to four months to fabricate.

Staff is seeking Board approval to purchase the custom blind flanges and spools required for the 12 remaining structures that need to be rehabilitated in Carpinteria. It will be advantageous to have the custom parts in stock to limit potential construction delays or in the event that unscheduled emergency repairs are required. The shutdowns in the four zones need to be closely coordinated with Carpinteria Valley Water District. COMB is planning to perform 1 to 2 shutdowns this winter.



*Replaced outlet, valve and piping in a blowoff structure*

Caltrans plans to grind and repave Highway 192 from Linden Avenue to Highway 150 in the summer of 2021. Shutdowns in the winter of 2020-21 would be planned to rehabilitate structures located in this portion of Highway 192 prior to the CalTrans work. COMB may be limited in completing utility work in Highway 192 following the repaving work.

Shutdown work for this upcoming winter will likely need to be completed during low demand months (November through January). Purchasing the custom parts near the end of July 2020 should enable availability of materials in October 2020.

COMB requested quotes from two suppliers for the materials purchase. The Jifco Inc. quote was slightly higher than the other supplier, but Jifco Inc. is able to provide all the requested custom components and had previously supplied the custom components for the Schedule D and E work. The competitor supplier was unable to provide all of the custom components needed for the work. COMB plans to utilize Jifco Inc. to supply the custom components.

The lead time on ordering these materials is in excess of three months without any additional unexpected delays. Due to unprecedented times and out of an abundance of caution, staff is proposing to order the materials in advance of securing the construction contractor to eliminate the risk of not obtaining the materials in time for project construction. A Non-Competitive Bid justification will be provided to the Operations Committee and the Board once a proposal has been negotiated with the proposed contractor.

**FISCAL IMPACTS:**

The Fiscal Year 2020-21 approved Operating Budget includes \$440,000 for the AVAR/BO rehabilitation project. The materials purchase of \$50,000 would be deducted from the \$440,000 leaving \$390,000 remaining for construction work.

If extraordinary circumstances prevented the completion of the construction project as planned during this current fiscal year, the materials will remain in inventory for future implementation. Staff will present the project construction segment of the work through a resolution to the Board for approval once a proposal from the contractor has been obtained and negotiated.

**COMMITTEE STATUS:**

The Operations Committee has reviewed the proposed materials expenditure for Schedule (F) of the AVAR / Blow-off Structure Rehabilitation Project and forwards to the Board with a recommendation to approve and authorize the General Manager to execute a purchase order with Jifco Inc. for materials in an amount not to exceed \$50,000.

**LIST OF EXHIBITS:**

N/A

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

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

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**SUBJECT:** Scopes of Work and Draft Professional Services Agreements for Fiscal Year 2020-21 for Fisheries Division Consultants

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**RECOMMENDATION:**

The Board of Directors receive and file the Fiscal Year 2020-21 Scopes of Work and sole-source justifications supporting execution of the corresponding Professional Services Agreements for Fisheries Division Consultants.

**SUMMARY:**

Annually, Scopes of Work for Fisheries Division consultants are drafted and reviewed prior to execution of the corresponding Professional Services Agreements. Consultants assist COMB staff in implementation of compliance measures affiliated with the Cachuma Project Biological Opinion (2000), Lower Santa Ynez River Fish Management Plan (2000), Biological Assessment (1999 and 2000), and EIR/EIS (2004). Consultant tasks are developed within the Scopes of Work and carefully managed to assure timely delivery of the requested work product. Scopes of Work for Fiscal Year 2020-21 are attached as exhibits to this memorandum. The associated financial obligation has been incorporated in the approved COMB budget for this fiscal year.

Specified consultants were chosen due to their expertise, legacy knowledge of the Cachuma Project and associated Biological Opinion, long-term and excellent service, completed engineering and design work where annual monitoring and reporting are required, or in-depth project specific design knowledge. Per the established COMB procurement policy, consultant sole-source justifications have been provided as supporting documentations.

**FINANCIAL IMPACT:**

Projected expenditures for the proposed Scopes of Work are reflected in the adopted Fiscal Year 2020-21 COMB budget.

**COMMITTEE STATUS:**

The Fisheries Committee reviewed the Fiscal Year 2020-21 Scopes of Work and sole-source justifications supporting execution of the corresponding Professional Services Agreements for Fisheries Division Consultants and forwards to the Board with a recommendation to receive and file.

**LIST OF EXHIBITS:**

1. Scopes of Work for Fisheries Division Consultants - Fiscal Year 2020-21
2. Draft Professional Services Agreements
3. Consultant Sole-Source Justifications

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**HDR Engineering, Inc.**  
**Cachuma Project Fisheries Assistance**

**Exhibit A**

**Period of Performance and Scope of Work**  
**Fiscal Year 2020-2021**  
**July 1, 2020 through June 30, 2021**

**I. Period of Performance**

The following scope of work is to be completed by HDR Engineering within the Fiscal Year beginning July 1, 2020 and ending June 30, 2021 (FY 2020-2021, or FY21).

**II. Scope of Work FY 2020-2021**

**TASK 1: BO/FMP implementation and technical support      Task Estimated Cost: \$ 4,000**

This task provides support for actions outlined in the Cachuma Project Biological Opinion (BO) and Lower Santa Ynez River Fish Management Plan (FMP).

Task 1.1 BO/FMP Compliance Tasks and Support *Estimated Cost: \$ 1,000*

HDR Engineering will provide assists as needed with the ongoing BO/FMP compliance and implementation efforts. This may include technical and analytical support and review of the fisheries monitoring programs and any proposed study plans.

Task 1.2 Fisheries monitoring program support *Estimated Cost: \$ 3,000*

HDR Engineering will review, evaluate, and develop technical elements of fish passage and fisheries related monitoring programs being implemented by COMB. Activities are anticipated to include: background research; program monitoring and design descriptions; and concept schematics. Data review, synthesis, and meeting attendance will be performed as directed by COMB.

**TASK 2: Project Operation and Maintenance      Task Estimated Cost: \$ 7,000**

This task provides technical assistance with operation, maintenance and performance reporting of completed tributary fish passage projects designed by HDR.

Task 2.1 Quiota Creek Crossing 3 – O&M technical *Estimated Cost: \$ 700*

HDR Engineering will provide technical assistance to COMB corresponding to the performance evaluation of the Quiota Creek Crossing 3 restoration project. Tasks are anticipated to include: one site visit per year to survey the facility; refinement of monitoring methods and procedures; hydraulic review of the grade control structures and

instream elements; review of technical data collected by COMB; and assistance in preparation of an annual performance evaluation (engineering and fisheries) report. Activities will be performed by an Engineer as directed by COMB.

Task 2.2 Quiota Creek Crossing 4 – O&M technical

*Estimated Cost: \$ 700*

HDR Engineering will provide technical assistance to COMB corresponding to the performance evaluation of the Quiota Creek Crossing 4 restoration project. Tasks are anticipated to include: one site visit per year to survey the facility; refinement of monitoring methods and procedures; hydraulic review of the grade control structures and instream elements; review of technical data collected by COMB; and assistance in preparation of an annual performance evaluation (engineering and fisheries) report. Activities will be performed by an Engineer as directed by COMB.

Task 2.3 Quiota Creek Crossing 0A – O&M technical

*Estimated Cost: \$ 1,400*

HDR Engineering will provide technical assistance to COMB corresponding to the performance evaluation of the Quiota Creek Crossing 0A restoration project. Tasks are anticipated to include: one site visit per year to survey the facility; refinement of monitoring methods and procedures; hydraulic review of the grade control structures and instream elements; review of technical data collected by COMB; and assistance in preparation of an annual performance evaluation (engineering and fisheries) report. Activities will be performed by an Engineer as directed by COMB.

Task 2.4 Quiota Creek Crossing 5 – O&M technical

*Estimated Cost: \$ 1,400*

HDR Engineering will provide technical assistance to COMB corresponding to the performance evaluation of the Quiota Creek Crossing 5 restoration project. Tasks are anticipated to include: one site visit per year to survey the facility; refinement of monitoring methods and procedures; hydraulic review of the grade control structures and instream elements; review of technical data collected by COMB; and assistance in preparation of an annual performance evaluation (engineering and fisheries) report. Activities will be performed by an Engineer as directed by COMB.

Task 2.5 Quiota Creek Crossing 9 – O&M technical

*Estimated Cost: \$ 1,400*

HDR Engineering will provide technical assistance to COMB corresponding to the performance evaluation of the Quiota Creek Crossing 9 restoration project. Tasks are anticipated to include: one site visit per year to survey the facility; refinement of monitoring methods and procedures; hydraulic review of the grade control structures and instream elements; review of technical data collected by COMB; and assistance in preparation of an annual performance evaluation (engineering and fisheries) report. Activities will be performed by an Engineer as directed by COMB.

Task 2.6 Quiota Creek Crossing 8 – O&M technical

*Estimated Cost: \$ 1,400*

HDR Engineering will provide technical assistance to COMB corresponding to the performance evaluation of the Quiota Creek Crossing 8 restoration project. Tasks are anticipated to include: one site visit per year to survey the facility; refinement of monitoring methods and procedures; hydraulic review of the grade control structures and instream elements; review of technical data collected by COMB; and assistance in preparation of an annual performance evaluation (engineering and fisheries) report. Activities will be performed by an Engineer as directed by COMB.

**TASK 3: Habitat Improvements**

**Task Estimated Cost: \$ 13,000**

This task provides design support and engineering oversight for specific proposed or in construction tributary fish passage projects designed by HDR.

Task 3.1 Tributary Projects – technical support

*Estimated Cost: \$ 10,000*

HDR Engineering will support COMB in the implementation of fish passage projects along Quiota creek synonymous with the results presented in the Quiota Creek Watershed Fish Passage Enhancement Plan. Activities conducted under this task and as directed by COMB shall include: support of grant proposal development; preparation of concept level Engineer’s construction drawings and cost opinions; preparation of project descriptions and development of technical data; and coordination with agencies and local governments in regards to fish passage guidelines.

Task 3.2 South Side Erosion Control & Reforestation Project – support

*Estimated Cost: \$ 3,000*

HDR Engineering will support COMB in the implementation of erosion control and reforestation efforts at Quiota Creek Crossing 8. Activities conducted under this task and as directed by COMB shall include: one site visit just prior to project completion to perform final engineering oversight, prepare record drawings for the project, and assist COMB in any required reporting after the project is completed..

**TOTAL ESTIMATED TASK ORDER COST:**

**\$ 24,000**

**Kenneth A. Knight Consulting, LLC  
Oak Tree Restoration Specialist  
Cachuma Project Fisheries Assistance**

**Exhibit A**

**Period of Performance and Scope of Work  
Fiscal Year 2020-2021  
July 1, 2020 through June 30, 2021**

**I. Period of Performance**

The following scope of work is to be completed by Kenneth A. Knight Consulting LLC, within the Fiscal Year beginning July 1, 2020 and ending June 30, 2021 (FY 2020-2021, or FY21).

**II. Scope of Work FY 2020-2021**

Cachuma Operation and Maintenance Board (COMB) with assistance from the U.S. Bureau of Reclamation (Reclamation) Bradbury Dam staff will perform all of the irrigation, maintenance, monitoring, mapping and surveying of oak trees in and around Lake Cachuma that were planted for mitigation due to the Lake Surcharge Project. Oak trees have been planted at three locations: Storke Flats and four locations below Bradbury Dam. Guidance with this effort will be conducted by Kenneth Knight, a registered consulting Arborist with a specialization in oak trees, who will assure that the maintenance, monitoring, and reporting are carried out to the best of our collective abilities and knowledge. The consultant will be required to visit the site as needed and participate in site visits with COMB management and Reclamation personnel. Specific tasks are as follows:

**Task 1: Cachuma Oak Tree Restoration Program Plan** **Task Estimated Cost: \$500**  
Assist the COMB staff and COMB Board Lake Cachuma Oak Tree Program Committee in developing the Cachuma Lake Oak Tree Restoration Program 5-Year Plan that will take us to the end of the program in 2025 and will evolve with time, experience, and identified tasks.

**Task 2: Oak Tree General Maintenance** **Task Estimated Cost: \$1,000**  
Continue to guide as needed the COMB staff on general maintenance tasks for the mitigated oak trees at Bradbury Dam and Storke Flats that includes watering (irrigation), weeding, cage maintenance, mulching, base of tree maintenance, and predator management.

**Task 3: Oak Tree Inventory, Mapping and Reporting** **Task Estimated Cost: \$1,500**  
Continue to give guidance on inventory and mapping of the planted oak trees at all locations. Also, the consultant will co-author the Annual Progress Report for the Lake Cachuma Oak Tree Restoration Program

**Task 4: Additional Oak Tree Planting Plan**

**Task Estimated Cost: \$500**

Assist in developing and implementing a plan for planting of additional oak trees within designated restoration areas as prescribed by the COMB Lake Cachuma Oak Tree Program Committee and described in the 2-Year Plan that would be planted in the Fiscal Year 2020-2021 and Fiscal Year 2021-2022, depending on the direction of the COMB Board Lake Cachuma Oak Tree Program Committee, weather conditions, and availability of funds.

**Task 5: General Arborist Services**

**Task Estimated Cost: \$1,500**

Perform general arborist services associated with restoration, maintenance and cleanup projects.

**TOTAL ESTIMATED TASK ORDER COST:**

**\$ 5,000**

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# PROFESSIONAL SERVICES AGREEMENT

## CACHUMA OPERATION & MAINTENANCE BOARD

3301 Laurel Canyon Road  
Santa Barbara, CA 93105-2017  
Telephone (805) 687-4011 - FAX (805) 569-5825

Important terms of this **Professional Services Agreement** are printed on the following pages. For your protection, make sure that you read and understand all provisions before signing. The terms and conditions are incorporated in this document and will constitute a part of the contract between the parties when signed.

**TO:** **HDR Engineering, Inc.**  
4717 97th Street N.W.  
Gig Harbor, WA 98332

**Email:** shaun.bevan@hdrinc.com  
**Phone:** (253) 858-5262

**DATE:** **July 01, 2020**  
**PSA #** 20-21-01  
**License #**

Project: **Cachuma Project Fisheries Assistance**

Cachuma Operation & Maintenance Board (“COMB”) retains **HDR Engineering, Inc.**, (Consultant), and Consultant agrees to provide services per its attached proposal (incorporated herein) dated July 01, 2020.

Contract Price: \$24,000.00 (Time and Materials, Maximum Not-to-Exceed)

Completion Date: June 30, 2021

**Instructions:** Please sign and return along with the appropriate insurance documentation. Upon acceptance by the Cachuma Operation & Maintenance Board, a copy will be signed by its authorized representative, and promptly returned to you. Insert below the names of your authorized representatives.

**Accepted:**

**Cachuma Operation & Maintenance Board,  
a Joint Powers Agency**

**Consultant:**

**HDR Engineering, Inc.**

By: \_\_\_\_\_

Print

Name: Janet L. Gingras

Title: General Manager

Date: \_\_\_\_\_

Other authorized representatives:

Tim Robinson, Fisheries Division Manager

By: \_\_\_\_\_

Print

Name: Aaron Meilleur, PE

Title: Vice President

Date: \_\_\_\_\_

On-site representatives:

\_\_\_\_\_

## CACHUMA OPERATION & MAINTENANCE BOARD

### PROFESSIONAL SERVICES AGREEMENT

#### TERMS AND CONDITIONS

**Scope of Services** - Consultant shall provide professional services to COMB, in accordance with its attached proposal, in a diligent and professional manner. Consultant warrants that its services shall be performed, within the limits prescribed by COMB, in a manner consistent with the level of care and skill ordinarily exercised by other professionals in similar circumstances at the time its services are performed.

**Task Orders** - If Consultant proposes to engage in one or more separate Task Orders, then the parties shall approve each such Task Order with a mutually-agreed upon scope of work attached as Exhibit "A" thereto. Each Task Order shall include a description of the services to be performed by Consultant, a maximum not-to-exceed cost to complete the services, the schedule for performance, and other terms and conditions the parties deem appropriate. No Task Order shall be binding or enforceable unless and until it has been properly approved and executed by both parties. Each properly executed Task Order shall become a separate supplemental agreement to this Agreement, and subject to all of the terms of this Agreement unless otherwise noted in the Task Order. It is agreed that the parties are not required pursuant to this Agreement to enter into a minimum number of, or any, Task Orders.

**Term of Agreement** - Unless otherwise earlier terminated as specified elsewhere herein, this Agreement shall commence on the date first set forth above, and shall expire on the completion date set forth above.

**Authorized Representatives** - Consultant shall not accept direction or orders from any person other than COMB's General Manager or any COMB authorized representative(s) listed on the signature page hereto.

#### **Payment Terms -**

A. Consultant shall provide professional services on a time and materials basis, in accordance with Consultant's fees and costs schedule attached to its proposal or Task Order, for the maximum not-to-exceed amount stated herein or in the Task Order. The maximum not-to-exceed amount shall include all fees, costs and expenses to be paid to Consultant.

B. Invoices shall be submitted to COMB on a monthly basis. Invoices shall include the categories of Consultant's employees who perform services, the number of hours spent performing services, a description of the services, the hourly rate for each employee and the total compensation earned for that month. Upon COMB's request, Consultant shall include with the invoice a detailed verification, including accounting records and employee time records, of the work actually performed and costs incurred.

C. COMB shall pay Consultant within thirty (30) days after receipt of Consultant's invoices, with the exception of any disputed amount(s) which may be withheld until resolution of the dispute. If COMB has reasonable grounds for believing that Consultant will be unable to materially perform the services under this Agreement or any Task Order, or there exists or may exist a claim against Consultant or COMB arising out of the negligence or intentional acts of Consultant or Consultant's material breach of any

provision of this Agreement, then COMB may withhold payment of any amount payable to Consultant which is directly related to such negligence or breach.

D. No payment made pursuant to this Agreement shall be conclusive evidence of Consultant's performance of the Agreement, either wholly or in part, and no payment shall be construed to be an acceptance of Consultant's work.

**Changes To Work, Method, Cost, etc.** - Any change in the scope of work, method of performance, nature of materials or price thereof, or any other matter materially affecting the performance or nature of the work, will not be paid for or accepted unless such change, deletion or addition is approved in advance, in writing, or by a supplemental or amended Task Order executed by COMB's General Manager or authorized representative listed hereto.

**Independent Contractor** - The parties, in the performance of services under this Agreement, will be acting in an independent contractor relationship and not as agents, employees, or partners of one another. It is the express intention of the parties that Consultant is an independent contractor and not COMB's employee; and that the employees of Consultant, and any of Consultant's sub-consultants and their respective employees, are not COMB employees and are not entitled to any of the rights, benefits or privileges attributable to COMB employees. Consultant shall have control of the means, methods and details of performance of its work and services and shall only be subject to the general direction and supervision of COMB's General Manager or other authorized representative as set forth above to ensure the results contracted for are achieved.

**Writings And Reports** - Consultant agrees that no drafts, writings, reports, records, notes, data, work product, graphics, lists, images, information or communications (collectively "writings") developed, prepared or assembled by Consultant pursuant to this Agreement, or any information made available to Consultant by COMB, shall be revealed, disseminated, or made available by Consultant to any third party without the prior written consent of COMB, unless otherwise required by subpoena or applicable law.

#### **Termination of Agreement -**

A. Termination Without Cause. COMB at any time may terminate this Agreement or any Task Order for any reason, without cause and without penalty, upon providing to Consultant thirty (30) days' prior written notice of such termination. Such termination shall not relieve COMB from responsibility for payment for services rendered by Consultant prior to the date of termination, but shall relieve COMB of its obligations for full payment of compensation due under this Agreement or a Task Order for Consultant's services rendered after the notice of termination.

B. Termination With Cause. COMB may terminate this Agreement or any Task Order for cause, effective immediately upon providing written notice to Consultant, based upon the occurrence of any of the following events: (1) material breach of this Agreement, Task Order or Task by Consultant; (2) abandonment or lack of diligence in performance of the work by Consultant; (3) cessation, revocation or expiration of any license needed by Consultant to provide services hereunder; (4) failure of Consultant to substantially comply with any federal, state or local law or regulation applicable to the work hereunder; (5) filing by or against Consultant of any petition under any law for relief of debtors; and (6) conviction of

Consultant or its principal representative or personnel of any crime other than minor traffic offenses.

C. Reletting of Work. In the event of termination as provided in this section, COMB without penalty may relet the work to another Consultant or perform such work itself.

**Completed Work** - In the event of completion or early termination of this Agreement, Consultant shall at COMB's request promptly surrender and turn over to COMB all completed work, work in progress, and all writings (as defined in the preceding paragraph) developed, prepared, assembled or acquired by Consultant during the performance of its services hereunder. Consultant may retain copies of its work product as a part of Consultant's record of professional activity. COMB acknowledges that its use of any incomplete work shall be at its own risk.

**Examination of Records** - Consultant agrees that COMB shall have access to and the right to examine at any reasonable time and on reasonable notice Consultant's writings, documents, papers and records, including accounting records, relating to or involving this Agreement.

**Indemnification** - To the fullest extent permitted by law, Consultant shall defend, indemnify and hold COMB and its Governing Board members, officers, employees and agents from and against:

A. All claims, damages, lawsuits, actions, costs, expenses, losses or liabilities (including reasonable attorneys' fees and costs incurred in litigation) (hereinafter collectively "claims") of any persons which arise out of, pertain to, or relate to the negligence, recklessness or willful misconduct of Consultant, or its sub-consultants or others for whom Consultant is legally liable, in the performance (or actual or alleged nonperformance) of professional services under this Agreement. Consultant's obligations regarding COMB's defense under this paragraph shall include only the reimbursement of COMB's reasonable defense costs incurred to the extent of Consultant's judicially determined negligence.

B. Other than in the performance of professional services, all claims arising out of the performance of services or furnishing of materials, including but not limited to claims by the Consultant or its employees or sub-consultants or their employees for damages to persons or property, to the extent and in proportion of Consultant's negligence, recklessness or willful misconduct related to services under this Agreement.

C. All actions, proceedings, damages, costs, expenses, penalties, fines, or liabilities, in law or equity, of every kind and nature whatsoever, arising out of, resulting from, or on account of any violation by Consultant of any applicable federal, state or local governmental law or regulation related to services under this Agreement.

D. Submission of insurance certificates or other proof of insurance shall not relieve Consultant from liability under these provisions. Consultant's indemnification obligations herein shall apply whether or not Consultant's insurance policies shall have been determined to apply to any such claims. These indemnification obligations shall survive the expiration or termination of this Agreement or any Task Order.

**Laws, Regulations and Permits** – Consultant, at its expense, shall give all notices and obtain all permits required by law and comply with all laws, ordinances, rules and regulations pertaining to the conduct of the

work. Consultant shall be liable for all violations of the law in connection with work furnished by Consultant. If Consultant observes that the drawings or specifications are at variance with any law or ordinance, rule or regulation, he/she shall promptly notify the COMB engineer in writing and any necessary changes shall be made by written instruction or change order. If Consultant performs any work knowing it to be contrary to such laws, ordinances, rules or regulations and without giving notice to COMB, Consultant shall bear all costs arising therefrom.

**Safety** - Consultant shall execute and maintain his/her work so as to avoid injury or damage to any person or property. In carrying out his/her work, Consultant shall at all times exercise all necessary precautions for the safety of employees appropriate to the nature of the work and the conditions or requirements under which the work is to be performed, and shall be in compliance with all applicable federal, state and local statutory and regulatory requirements including California Department of Industrial Relations (Cal/OSHA) regulations.

**Liability Insurance** - Consultant shall provide and maintain at all times during the performance of the services under this agreement, the following commercial general liability, professional liability and automobile liability insurance:

**Coverage** - Coverage shall be at least as broad as the following:

- a. Coverage for Professional Liability appropriate to the Consultant's profession covering Consultant's negligent actions, errors or omissions. The retroactive date (if any) is to be no later than the effective date of this agreement.
- a. Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG 0001) or insurer's equivalent.
- b. Insurance Services Office (ISO) Business Auto Coverage (Form CA 0001), covering Symbol 1 (any auto).

**Limits** - The Consultant shall maintain limits no less than the following:

1. Professional Liability - One million dollars (\$1,000,000) per claim and annual aggregate.
2. General Liability - One million dollars (\$1,000,000) per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit or products-completed operations aggregate limit is used, either the general aggregate limit shall apply separately to the project/location (with the ISO CG 2503 or ISO CG 2504, or insurer's equivalent endorsement provided to COMB or the general aggregate limit and products-completed operations aggregate limit shall be twice the required occurrence limit.
3. Automobile Liability - One million dollars (\$1,000,000) for bodily injury and

property damage each accident limit.

**Required Provisions** - The general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

1. COMB, its Governing Board members, officers, employees and agents are to be given insured status (via ISO endorsement CG 2010, CG 2033, or insurer's equivalent for general liability coverage) as respects: liability arising out of the activities performed by or on behalf of Consultant; products and completed operations of Consultant; premises owned, occupied or used by the Consultant; and automobiles owned, leased, hired or borrowed by Consultant. The coverage shall contain no special limitations on the scope of protection afforded to COMB, its Governing Board members, officers, employees, or agents.
2. For any claims related to the project, Consultant's insurance shall be primary insurance as respects COMB, its Governing Board members, officers, employees, or agents. Any insurance, self-insurance, or other coverage maintained by COMB, its Governing Board members, officers, employees, or agents shall not contribute to it.
3. Any failure to comply with reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to COMB, its Governing Board members, officers, employees, or agents.
4. Consultant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
5. Each insurance policy required by this agreement shall state, or be endorsed to state, that coverage shall not be canceled by the insurance carrier or Consultant, except after thirty (30) days (10 days for non-payment of premium) prior written notice by U.S. mail has been given to COMB.

Such liability insurance shall indemnify Consultant and his/her sub-consultants against loss from liability imposed by law upon, or assumed under contract by, Consultant or his/her sub-consultants for damages on account of such bodily injury (including death), property damage, personal injury, completed operations, and products liability.

The general liability policy shall cover bodily injury and property damage liability, owned and non-owned equipment, blanket contractual liability, completed operations liability, explosion, collapse, underground excavation, and removal of lateral support.

The automobile liability policy shall cover all owned, non-owned, and hired automobiles.

All of the insurance shall be provided on policy forms and through companies satisfactory to COMB.

**Deductibles and Self-Insured Retentions** - Any deductible or self-insured retention must be declared to

and approved by COMB.

**Acceptability of Insurers** - Insurance is to be placed with insurers having met current A.M. Best rating of no less than A-:VII or equivalent or as otherwise approved by COMB.

**Workers' Compensation Insurance** - By his/her signature hereunder, Consultant certifies that he/she is aware of the provisions of Section 3700 of the California Labor Code which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and he/she will comply with such provisions before commencing the performance of the work of this agreement.

**Workers' Compensation and Employer's Liability Insurance** - Consultant and all sub-consultants shall cover or insure under the applicable laws relating to workers' compensation insurance, all of their employees employed directly by them or through sub-consultants in carrying out the work contemplated by this Agreement or any Task Order, in accordance with the "*Workers' Compensation and Insurance Act*," Division IV of the Labor Code of the State of California and any Acts amendatory thereof. Consultant shall provide employer's liability insurance in the amount of at least \$1,000,000 per accident, \$1,000,000 disease policy limit, and \$1,000,000 disease each employee.

**Evidences of Insurance** - Prior to execution of the agreement, Consultant shall file with COMB a certificate of insurance (Acord Form 25-S or equivalent) signed by the insurer's representative evidencing the coverage required by this Agreement. Such evidence shall include an additional insured endorsement signed by the insurer's representative and evidence of waiver of rights of subrogation against COMB or its insurers. Such evidence shall also include confirmation that coverage includes or has been modified to include Required Provisions 1-5.

Consultant, upon demand of COMB, shall deliver to COMB such policy or policies of insurance and the receipts for payment of premiums thereon.

**Continuation of Coverage** - If any of the required coverages expire during the term of this Agreement, Consultant shall deliver the renewal certificate(s) including the general liability additional insured endorsement and evidence of waiver of rights of subrogation against COMB or its insurers to COMB at least ten (10) days prior to the expiration date. Such evidence shall also include confirmation that coverage includes or has been modified to include Required Provisions 1 through 5.

**Sub-consultants** - In the event that Consultant employs other consultants (sub-consultants) as part of the services covered by this Agreement, it shall be Consultant's responsibility to require and confirm that each sub-consultant meets the minimum insurance requirements specified herein.

**Notices** - All notices, requests, demands and other communications under this Agreement shall be in writing and shall be deemed to have been duly given on the date of service if personally served or on the second day after mailing if mailed by first-class mail, registered or certified, return receipt requested, postage prepaid and properly addressed to the signatories of the parties as set forth above. Any party may change their address for the purpose of this paragraph by giving the other party written notice of the new address in the above manner.

**Anti-Discrimination** - Consultant shall not exclude from its employment in the performance of this Agreement any person on the grounds of race, creed, color, sex, age, marital status, sexual orientation or place of national origin. Consultant shall comply with all applicable local, state and federal laws relating to equal employment opportunity rights.

**No Assignment** - This Agreement is for personal services. Consultant shall not assign its duties or obligations hereunder without the prior written consent of COMB, which may be withheld by COMB for any reason in its sole discretion.

**No Waiver** - No failure by COMB in asserting any of its rights or remedies as to any default of Consultant shall operate as a waiver of the default, or any subsequent or other default by Consultant, or of any of COMB's rights or remedies. No such delay shall deprive COMB of its right to institute and maintain any actions or proceedings which may be necessary to protect, assert, or enforce any rights or remedies arising out of this Agreement or the performance thereof.

**Partial Invalidity** - If any term, covenant, condition or provision of this Agreement is found by a court of competent jurisdiction to be invalid, void or unenforceable, the remainder of the provisions herein shall remain in full force and effect and shall not be affected, impaired or invalidated thereby.

**Integration** - No alteration or variation of the terms of this Agreement shall be valid unless made in writing and signed by the parties. No oral understanding or agreement not incorporated herein shall be binding on any of the parties.

**California Law** - This Agreement shall be interpreted and construed pursuant to the laws of the State of California. Any dispute between the parties shall be filed and heard in a court of competent jurisdiction in the County of Santa Barbara.

**COMB Employees** - Consultant agrees that no employee of COMB shall be employed by Consultant during the period this Agreement is in effect.

**This Professional Services Agreement shall become a valid contract only when accepted by Consultant, and subsequently by COMB, and together with the Consultant's Proposal shall constitute the entire agreement between the parties, with the terms, conditions and definitions set forth in this eight-page document governing and controlling the enforcement of that contract.**



# PROFESSIONAL SERVICES AGREEMENT

## CACHUMA OPERATION & MAINTENANCE BOARD

3301 Laurel Canyon Road  
Santa Barbara, CA 93105-2017  
Telephone (805) 687-4011 - FAX (805) 569-5825

Important terms of this **Professional Services Agreement** are printed on the following pages. For your protection, make sure that you read and understand all provisions before signing. The terms and conditions are incorporated in this document and will constitute a part of the contract between the parties when signed.

**TO:** **Kenneth A. Knight Consulting, LLC**                      **DATE:** **July 01, 2020**  
69 Calaveras Avenue    **PSA #**                      20-21-02  
Goleta, CA 93117    **License #**  
**Email:** kennethknight@cox.net  
**Phone:** (805) 968-8523

**Project:** **Lake Cachuma Oak Tree Restoration Project**

Cachuma Operation & Maintenance Board ("COMB") retains **Kenneth A. Knight Consulting, LLC**, (Consultant), and Consultant agrees to provide services per its attached proposal (incorporated herein) dated July 01, 2020.

Contract Price: \$5,000.00 (Time and Materials, Maximum Not-to-Exceed)  
Completion Date: June 30, 2021

**Instructions:** Please sign and return along with the appropriate insurance documentation. Upon acceptance by the Cachuma Operation & Maintenance Board, a copy will be signed by its authorized representative, and promptly returned to you. Insert below the names of your authorized representatives.

**Accepted:**  
**Cachuma Operation & Maintenance Board,  
a Joint Powers Agency**

**Consultant:**  
**Kenneth A. Knight Consulting, LLC**

By: \_\_\_\_\_  
Print  
Name: Janet L. Gingras  
Title: General Manager  
Date: \_\_\_\_\_  
Other authorized representatives:  
Tim Robinson, Fisheries Division Manager  
\_\_\_\_\_

By: \_\_\_\_\_  
Print  
Name: Kenneth A. Knight  
Title: Consultant  
Date: \_\_\_\_\_  
On-site representatives:  
\_\_\_\_\_  
\_\_\_\_\_

# CACHUMA OPERATION & MAINTENANCE BOARD

## PROFESSIONAL SERVICES AGREEMENT

### TERMS AND CONDITIONS

**Scope of Services** - Consultant shall provide professional services to COMB, in accordance with its attached proposal, in a diligent and professional manner. Consultant warrants that its services shall be performed, within the limits prescribed by COMB, in a manner consistent with the level of care and skill ordinarily exercised by other professionals in similar circumstances at the time its services are performed.

**Task Orders** - If Consultant proposes to engage in one or more separate Task Orders, then the parties shall approve each such Task Order with a mutually-agreed upon scope of work attached as Exhibit "A" thereto. Each Task Order shall include a description of the services to be performed by Consultant, a maximum not-to-exceed cost to complete the services, the schedule for performance, and other terms and conditions the parties deem appropriate. No Task Order shall be binding or enforceable unless and until it has been properly approved and executed by both parties. Each properly executed Task Order shall become a separate supplemental agreement to this Agreement, and subject to all of the terms of this Agreement unless otherwise noted in the Task Order. It is agreed that the parties are not required pursuant to this Agreement to enter into a minimum number of, or any, Task Orders.

**Term of Agreement** - Unless otherwise earlier terminated as specified elsewhere herein, this Agreement shall commence on the date first set forth above, and shall expire on the completion date set forth above.

**Authorized Representatives** - Consultant shall not accept direction or orders from any person other than COMB's General Manager or any COMB authorized representative(s) listed on the signature page hereto.

#### **Payment Terms -**

A. Consultant shall provide professional services on a time and materials basis, in accordance with Consultant's fees and costs schedule attached to its proposal or Task Order, for the maximum not-to-exceed amount stated herein or in the Task Order. The maximum not-to-exceed amount shall include all fees, costs and expenses to be paid to Consultant.

B. Invoices shall be submitted to COMB on a monthly basis. Invoices shall include the categories of Consultant's employees who perform services, the number of hours spent performing services, a description of the services, the hourly rate for each employee and the total compensation earned for that month. Upon COMB's request, Consultant shall include with the invoice a detailed verification, including accounting records and employee time records, of the work actually performed and costs incurred.

C. COMB shall pay Consultant within thirty (30) days after receipt of Consultant's invoices, with the exception of any disputed amount(s) which may be withheld until resolution of the dispute. If COMB has reasonable grounds for believing that Consultant will be unable to materially perform the services under this Agreement or any Task Order, or there exists or may exist a claim against Consultant or COMB arising out of the negligence or intentional acts of Consultant or Consultant's material breach of any provision of this Agreement, then COMB may withhold payment of any amount payable to Consultant which is directly related to such negligence or breach.

D. No payment made pursuant to this Agreement shall be conclusive evidence of Consultant's performance of the Agreement, either wholly or in part, and no payment shall be construed to be an acceptance of Consultant's work.

**Changes To Work, Method, Cost, etc.** - Any change in the scope of work, method of performance, nature of materials or price thereof, or any other matter materially affecting the performance or nature of the work, will not be paid for or accepted unless such change, deletion or addition is approved in advance, in writing, or by a supplemental or amended Task Order executed by COMB's General Manager or authorized representative listed hereto.

**Independent Contractor** - The parties, in the performance of services under this Agreement, will be acting in an independent contractor relationship and not as agents, employees, or partners of one another. It is the express intention of the parties that Consultant is an independent contractor and not COMB's employee; and that the employees of Consultant, and any of Consultant's sub-consultants and their respective employees, are not COMB employees and are not entitled to any of the rights, benefits or privileges attributable to COMB employees. Consultant shall have control of the means, methods and details of performance of its work and services and shall only be subject to the general direction and supervision of COMB's General Manager or other authorized representative as set forth above to ensure the results contracted for are achieved.

**Writings And Reports** - Consultant agrees that no drafts, writings, reports, records, notes, data, work product, graphics, lists, images, information or communications (collectively "writings") developed, prepared or assembled by Consultant pursuant to this Agreement, or any information made available to Consultant by COMB, shall be revealed, disseminated, or made available by Consultant to any third party without the prior written consent of COMB, unless otherwise required by subpoena or applicable law.

#### **Termination of Agreement -**

A. Termination Without Cause. COMB at any time may terminate this Agreement or any Task Order for any reason, without cause and without penalty, upon providing to Consultant thirty (30) days' prior written notice of such termination. Such termination shall not relieve COMB from responsibility for payment for services rendered by Consultant prior to the date of termination, but shall relieve COMB of its obligations for full payment of compensation due under this Agreement or a Task Order for Consultant's services rendered after the notice of termination.

B. Termination With Cause. COMB may terminate this Agreement or any Task Order for cause, effective immediately upon providing written notice to Consultant, based upon the occurrence of any of the following events: (1) material breach of this Agreement, Task Order or Task by Consultant; (2) abandonment or lack of diligence in performance of the work by Consultant; (3) cessation, revocation or expiration of any license needed by Consultant to provide services hereunder; (4) failure of Consultant to substantially comply with any federal, state or local law or regulation applicable to the work hereunder; (5) filing by or against Consultant of any petition under any law for relief of debtors; and (6) conviction of Consultant or its principal representative or personnel of any crime other than minor traffic offenses.

C. Reletting of Work. In the event of termination as provided in this section, COMB without penalty may relet the work to another Consultant or perform such work itself.

**Completed Work** - In the event of completion or early termination of this Agreement, Consultant shall at

COMB's request promptly surrender and turn over to COMB all completed work, work in progress, and all writings (as defined in the preceding paragraph) developed, prepared, assembled or acquired by Consultant during the performance of its services hereunder. Consultant may retain copies of its work product as a part of Consultant's record of professional activity. COMB acknowledges that its use of any incomplete work shall be at its own risk.

**Examination of Records** - Consultant agrees that COMB shall have access to and the right to examine at any reasonable time and on reasonable notice Consultant's writings, documents, papers and records, including accounting records, relating to or involving this Agreement.

**Indemnification** - To the fullest extent permitted by law, Consultant shall defend, indemnify and hold COMB and its Governing Board members, officers, employees and agents from and against:

A. All claims, damages, lawsuits, actions, costs, expenses, losses or liabilities (including reasonable attorneys' fees and costs incurred in litigation) (hereinafter collectively "claims") of any persons which arise out of, pertain to, or relate to the negligence, recklessness or willful misconduct of Consultant, or its sub-consultants or others for whom Consultant is legally liable, in the performance (or actual or alleged nonperformance) of professional services under this Agreement. Consultant's obligations regarding COMB's defense under this paragraph shall include only the reimbursement of COMB's reasonable defense costs incurred to the extent of Consultant's judicially determined negligence.

B. Other than in the performance of professional services, all claims arising out of the performance of services or furnishing of materials, including but not limited to claims by the Consultant or its employees or sub-consultants or their employees for damages to persons or property, to the extent and in proportion of Consultant's negligence, recklessness or willful misconduct related to services under this Agreement.

C. All actions, proceedings, damages, costs, expenses, penalties, fines, or liabilities, in law or equity, of every kind and nature whatsoever, arising out of, resulting from, or on account of any violation by Consultant of any applicable federal, state or local governmental law or regulation related to services under this Agreement.

D. Submission of insurance certificates or other proof of insurance shall not relieve Consultant from liability under these provisions. Consultant's indemnification obligations herein shall apply whether or not Consultant's insurance policies shall have been determined to apply to any such claims. These indemnification obligations shall survive the expiration or termination of this Agreement or any Task Order.

**Laws, Regulations and Permits** – Consultant, at its expense, shall give all notices and obtain all permits required by law and comply with all laws, ordinances, rules and regulations pertaining to the conduct of the work. Consultant shall be liable for all violations of the law in connection with work furnished by Consultant. If Consultant observes that the drawings or specifications are at variance with any law or ordinance, rule or regulation, he/she shall promptly notify the COMB engineer in writing and any necessary changes shall be made by written instruction or change order. If Consultant performs any work knowing it to be contrary to such laws, ordinances, rules or regulations and without giving notice to COMB, Consultant shall bear all costs arising therefrom.

**Safety** - Consultant shall execute and maintain his/her work so as to avoid injury or damage to any person or property. In carrying out his/her work, Consultant shall at all times exercise all necessary precautions for

the safety of employees appropriate to the nature of the work and the conditions or requirements under which the work is to be performed, and shall be in compliance with all applicable federal, state and local statutory and regulatory requirements including California Department of Industrial Relations (Cal/OSHA) regulations.

**Liability Insurance** - Consultant shall provide and maintain at all times during the performance of the services under this agreement, the following commercial general liability, professional liability and automobile liability insurance:

**Coverage** - Coverage shall be at least as broad as the following:

- a. Coverage for Professional Liability appropriate to the Consultant's profession covering Consultant's negligent actions, errors or omissions. The retroactive date (if any) is to be no later than the effective date of this agreement.
- b. Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG 0001) or insurer's equivalent.
- c. Insurance Services Office (ISO) Business Auto Coverage (Form CA 0001), covering Symbol 1 (any auto).

**Limits** - The Consultant shall maintain limits no less than the following:

1. Professional Liability - One million dollars (\$1,000,000) per claim and annual aggregate.
2. General Liability - One million dollars (\$1,000,000) per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit or products-completed operations aggregate limit is used, either the general aggregate limit shall apply separately to the project/location (with the ISO CG 2503 or ISO CG 2504, or insurer's equivalent endorsement provided to COMB or the general aggregate limit and products-completed operations aggregate limit shall be twice the required occurrence limit.
3. Automobile Liability - One million dollars (\$1,000,000) for bodily injury and property damage each accident limit.

**Required Provisions** - The general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

1. COMB, its Governing Board members, officers, employees and agents are to be given insured status (via ISO endorsement CG 2010, CG 2033, or insurer's equivalent for general liability coverage) as respects: liability arising out of the activities performed by or on behalf of Consultant; products and completed operations of Consultant; premises owned, occupied or used by the Consultant; and automobiles owned, leased, hired or borrowed by Consultant. The coverage shall contain no special limitations on the scope of protection afforded to COMB, its

Governing Board members, officers, employees, or agents.

2. For any claims related to the project, Consultant's insurance shall be primary insurance as respects COMB, its Governing Board members, officers, employees, or agents. Any insurance, self-insurance, or other coverage maintained by COMB, its Governing Board members, officers, employees, or agents shall not contribute to it.
3. Any failure to comply with reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to COMB, its Governing Board members, officers, employees, or agents.
4. Consultant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
5. Each insurance policy required by this agreement shall state, or be endorsed to state, that coverage shall not be canceled by the insurance carrier or Consultant, except after thirty (30) days (10 days for non-payment of premium) prior written notice by U.S. mail has been given to COMB.

Such liability insurance shall indemnify Consultant and his/her sub-consultants against loss from liability imposed by law upon, or assumed under contract by, Consultant or his/her sub-consultants for damages on account of such bodily injury (including death), property damage, personal injury, completed operations, and products liability.

The general liability policy shall cover bodily injury and property damage liability, owned and non-owned equipment, blanket contractual liability, completed operations liability, explosion, collapse, underground excavation, and removal of lateral support.

The automobile liability policy shall cover all owned, non-owned, and hired automobiles.

All of the insurance shall be provided on policy forms and through companies satisfactory to COMB.

**Deductibles and Self-Insured Retentions** - Any deductible or self-insured retention must be declared to and approved by COMB.

**Acceptability of Insurers** - Insurance is to be placed with insurers having met current A.M. Best rating of no less than A-:VII or equivalent or as otherwise approved by COMB.

**Workers' Compensation Insurance** - By his/her signature hereunder, Consultant certifies that he/she is aware of the provisions of Section 3700 of the California Labor Code which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and he/she will comply with such provisions before commencing the performance of the work of this agreement.

**Workers' Compensation and Employer's Liability Insurance** - Consultant and all sub-consultants shall cover or insure under the applicable laws relating to workers' compensation insurance, all of their employees employed directly by them or through sub-consultants in carrying out the work contemplated by this Agreement or any Task Order, in accordance with the "*Workers' Compensation and Insurance Act*,"

Division IV of the Labor Code of the State of California and any Acts amendatory thereof. Consultant shall provide employer's liability insurance in the amount of at least \$1,000,000 per accident, \$1,000,000 disease policy limit, and \$1,000,000 disease each employee.

**Evidences of Insurance** - Prior to execution of the agreement, Consultant shall file with COMB a certificate of insurance (Acord Form 25-S or equivalent) signed by the insurer's representative evidencing the coverage required by this Agreement. Such evidence shall include an additional insured endorsement signed by the insurer's representative and evidence of waiver of rights of subrogation against COMB or its insurers. Such evidence shall also include confirmation that coverage includes or has been modified to include Required Provisions 1-5.

Consultant, upon demand of COMB, shall deliver to COMB such policy or policies of insurance and the receipts for payment of premiums thereon.

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**Sub-consultants** - In the event that Consultant employs other consultants (sub-consultants) as part of the services covered by this Agreement, it shall be Consultant's responsibility to require and confirm that each sub-consultant meets the minimum insurance requirements specified herein.

**Notices** - All notices, requests, demands and other communications under this Agreement shall be in writing and shall be deemed to have been duly given on the date of service if personally served or on the second day after mailing if mailed by first-class mail, registered or certified, return receipt requested, postage prepaid and properly addressed to the signatories of the parties as set forth above. Any party may change their address for the purpose of this paragraph by giving the other party written notice of the new address in the above manner.

**Anti-Discrimination** - Consultant shall not exclude from its employment in the performance of this Agreement any person on the grounds of race, creed, color, sex, age, marital status, sexual orientation or place of national origin. Consultant shall comply with all applicable local, state and federal laws relating to equal employment opportunity rights.

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**No Waiver** - No failure by COMB in asserting any of its rights or remedies as to any default of Consultant shall operate as a waiver of the default, or any subsequent or other default by Consultant, or of any of COMB's rights or remedies. No such delay shall deprive COMB of its right to institute and maintain any actions or proceedings which may be necessary to protect, assert, or enforce any rights or remedies arising out of this Agreement or the performance thereof.

**Partial Invalidity** - If any term, covenant, condition or provision of this Agreement is found by a court of competent jurisdiction to be invalid, void or unenforceable, the remainder of the provisions herein shall remain in full force and effect and shall not be affected, impaired or invalidated thereby.

**Integration** - No alteration or variation of the terms of this Agreement shall be valid unless made in writing and signed by the parties. No oral understanding or agreement not incorporated herein shall be binding on any of the parties.

**California Law** - This Agreement shall be interpreted and construed pursuant to the laws of the State of California. Any dispute between the parties shall be filed and heard in a court of competent jurisdiction in the County of Santa Barbara.

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**Sole Source Contract Justification  
Fisheries Division Consultant Work**

**July 13, 2020**

**To:** Cachuma Operation and Maintenance Board

**From:** Janet Gingras (General Manager, COMB) and Timothy H. Robinson (Fisheries Division Manager, COMB)

**Contract:** HDR Fisheries Design Center, Scope of Work

**A. Factors of Consideration**

HDR Fisheries Design Center (HDR, initially Fish Pro) is one of the top fish passage engineering consulting firms in the country with extensive experience particularly on the west coast where they specialize in salmonid species and in our case the endangered southern steelhead (*Oncorhynchus, mykiss*). They have provided to the Fisheries Program exemplary fish passage design, data review, and planning assistance since prior to the issuance of the Cachuma Project Biological Opinion in September of 2000.

In 2008, HDR worked with fisheries staff to author the Quiota Creek Watershed Fish Passage Enhancement Plan which was the initial fish passage assessment and design work for all projects along Quiota Creek. Since then, they have amassed extensive local experience in analyzing the watershed hydrology and specific fish passage issues at all known fish passage impediments along the creek at Crossings 0A, 0B, 1, 2, 3, 4, 5, 6, 7, 8 and 9. HDR has successfully completed designs and overseen construction of the following projects at Crossings 0A, 1, 2, 3, 4, 5, 6, 7, 8, 9. Their cumulative knowledge in design and regulatory compliance for the National Marine Fisheries Service (NMFS), California Department of Fish and Wildlife (CDFW), U. S. Fish and Wildlife Service (USFWS), Santa Barbara County Public Works (County) as well as concerns and requirements of individual landowners has been extremely valuable in facilitating projects both in implementation and cost savings. Learned project elements are applied to the next fish passage enhancement project resulting in a streamlined and efficient design and implementation process for each project.

HDR's lead fish passage engineer, Mike Garello, is particularly well positioned since he is the current Bioengineering Section President for the American Fisheries Society (AFS) where he interacts with fish passage engineers from across the country and more importantly engineers from regulatory agencies specifically NMFS and CDFW. This provides insights and relationships to those who approve the designs of our projects which enhances and further legitimizes our project designs which reduces the amount of questions and review period by those approving regulatory agencies. Mr. Garello regulatory gives talks at professional fisheries conferences and is well known and

respected in the industry. Resumes from Mr. Garello and his second in command, Shaun Bevan, are available upon request.

In addition, HDR successfully designed and assisted in the implementation of the Rancho San Julian Fish Ladder on El Jaro Creek, a tributary of Salsipuedes Creek, in 2009 and is actively involved with the required fix of the fish ladder at the Jalama Road Bridge on Salsipuedes Creek. HDR conducts all performance evaluations for each of their completed fish passage projects which totals 10 projects.

## **B. Price Analysis**

HDR has provided years of valuable consulting services in engineering design, planning and navigating regulatory and County requirements. Their cumulative knowledge provides efficient consulting at a price point that would be difficult to match given their local experience and quantity of conducted fish passage analyses and engineering design work. Their long-term, in-depth and extensive professional experience within the Lower Santa Ynez River drainage continues to be top notch at a cost reflective of the longevity of the relationship.

**Sole Source Contract Justification  
Fisheries Division Consultant Work**

**July 13, 2020**

**To:** Cachuma Operation and Maintenance Board

**From:** Janet Gingras (General Manager, COMB) and Timothy H. Robinson (Fisheries Division Manager, COMB)

**Contract:** Kenneth A. Knight Consulting, Scope of Work

**A. Factors of Consideration**

Kenneth Knight is a registered consulting arborist (License Number 507) who has been working on the Lake Cachuma Oak Tree Restoration Program as the project consultant for COMB since 2014. He has advised the COMB Fisheries Division staff on all facets of the program from maintenance of trees planted prior to 2014 through newly planted trees and maintenance of all through 2020. His expertise has been instrumental in the success and professionalism of the program and mitigation effort.

Mr. Knight's continued services are sought for Fiscal Year 2020-2021 as a continuation of the ongoing program so that we can maintain the same level of professional care, oversight and future planting.

**B. Price Analysis**

Mr. Knight has served COMB well both in product and price point. He provides a unique case due to his extensive experience with this oak tree restoration project over the past 7 years, professional knowledge, and credentials as a licensed consulting arborist.

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Mission Statement:

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

July 27, 2020

**General Manager Report**

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

Administration

- **O & M Contract**

COMB is responsible for diversion of water to the South Coast through the Tecolote Tunnel, and operation and maintenance of the South Coast Conduit conveyance pipeline, flow control valves, meters, and instrumentation at control stations, and turnouts along the South Coast Conduit and at four regulating reservoirs. On February 24, 1956, Reclamation, the original Member Units, and the Santa Barbara County Water Agency entered into a contract which provided for the transfer of Operation and Maintenance (O&M) of Transferred Project works to the original Member Units. The O & M contract has been amended by amendatory contracts since that time, one of which was executed with COMB as the contractor. In March 2003, Reclamation entered into a new contract with the Cachuma Operation and Maintenance Board for the operation and maintenance of the transferred project works including the Tecolote Tunnel and the South Coast Conduit system. The contract remains in effect through September 30, 2020. COMB initiated the contract renewal process with Reclamation in July of 2017.

COMB recently participated in contract negotiations with Reclamation for an interim, three year amendatory contract. The amendatory contract is in the process of review and will be posted for public comment for 30 days, according to Reclamation. The COMB Board will be presented a resolution in August which will enable the Board President to execute the contract once administrative and environmental processes are completed.

- **COVID-19 Update**

In response to the COVID-19 local emergency and global pandemic, staff has established operational protocols and implemented business continuity practices to ensure the safety of our employees and the community. The protocols continue to be followed and align with the suggested protocols issued by the Santa Barbara County Public Health Department and the Centers for Disease Control (CDC) to protect employees and our community against the risk posed by COVID-19. Alternative work schedules continue to be implemented to increase work space distancing in order to reduce the chance of exposure of COVID-19 among staff members.

COMB staff has been meeting (telephonically) with Member Agency technical staff to discuss any needs warranted from potential operational disruptions due to the virus. To date, staffing needs and general operational resources have been reported to be satisfactory among the group.

- **Contracts Executed by the General Manager – 4<sup>th</sup> Quarter Fiscal Year 2019-20**

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

Pursuant to the COMB Procurement Policy adopted by the Board, a quarterly report of all contracts executed by the General Manager for the period of April 1, 2020 through June 30, 2020 is presented for information. All contracts exceeding the authorized limit have been previously presented to and approved by the governing Board through respective Committees.

<b>Table 1</b>				
<b>Contracts Executed by General Manager</b>				
<b>April 1 - June 30, 2020</b>				
<b>Vendor Name</b>	<b>Contract Description</b>	<b>Date Executed</b>	<b>Date Expires</b>	<b>Contract Amount</b>
Peter Lapidus Construction	Quiota Creek Crossing No. 8 - South Side Erosion Control and Reforestation Project	04/07/2020	09/30/2020	\$41,530
Esy the Energy Control Co.	Lauro Reservoir - Purchase and Install of Parker Solenoid Coil (Addendum)	05/08/2020	05/31/2020	\$5,070
Taft Electric Co.	Glen Anne Turnout Electrical Connection to Goleta Water District	05/11/2020	06/30/2020	\$9,477
Total Compensation Systems, Inc	GASB 74/75 Full and Roll-Forward Valuations	05/18/2020	10/31/2020	\$4,455
Phoenix Civil Engineering, Inc.	Goleta West Conduit Encasement and Pipe Coating Evaluation	05/29/2020	08/31/2020	\$8,520
Aspect Engineering Group	SCADA Upgrade - PLC 8	06/05/2020	07/31/2020	\$15,747

Engineering / Operations Division

- **Technical Review Meeting – WQSMS**

The final technical review meeting for the Water Quality and Sediment Management Study was recently conducted by COMB’s consultants Woodard and Curran / Limnotech and included a presentation reviewing parts one and two of the study, development and implementation progress of the sampling and monitoring plan, an assessment of future modeling needs, and recommended actions derived from the study. The presentation was extremely informative and provided an in depth overview of potential long-term management actions.

Respectfully Submitted,

*Janet Gingras*  
 General Manager

# CACHUMA OPERATION AND MAINTENANCE BOARD

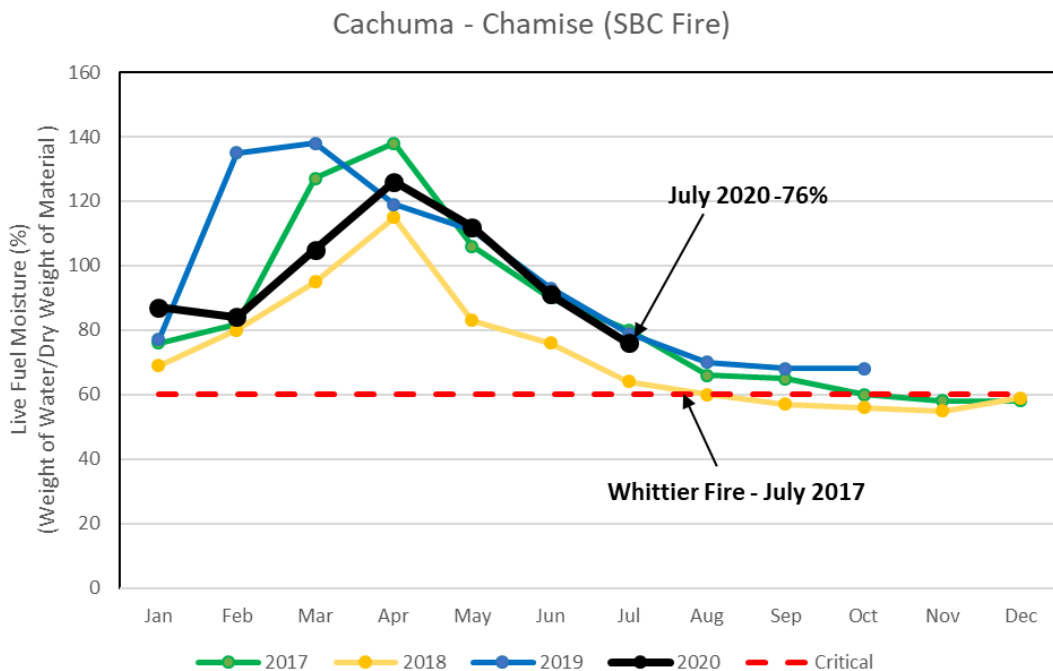
## MEMORANDUM

**DATE:** July 27, 2020  
**TO:** Janet Gingras, General Manager  
**FROM:** Joel Degner, Engineer/Operations Division Manager  
**RE: MONTHLY ENGINEERING REPORT**

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

### CLIMATE CONDITIONS

Live fuel moisture (LFM) is important for assessing fire danger in the Lake Cachuma Watershed. The Santa Barbara County Fire Department measures live fuel moisture at six different sites in the County. Current live fuel moisture in Chamise fuel beds at the Cachuma measurement site is at 76%. Sixty percent is considered critical for fire danger (<https://www.sbcfire.com/live-fuel-moisture-levels/>). On July 28<sup>th</sup>, 2017, fuel moisture was near 60 percent when the Whittier Fire ignited. Chamise chapparral typically peaks in live fuel moisture in March or August and often reaches critical levels in the later/summer and fall.



**Figure 1. Live Fuel Moisture at the Cachuma measurement site (SBC Fire)**

## LAKE ELEVATION PROJECTION

Lake Cachuma is currently at 78% capacity (737.83' as of 7/15). The Santa Ynez River Water Conservation District (SYRWCD) plans to perform a downstream water rights release from approximately mid-August until November. The exact timing and volumes have not been determined. SYRWCD Above Narrows/Below Narrows accounts contain a total 21,649 AF as of May 2020. Figure 2 provides the projected lake elevation assuming a downstream releases of 6,000 acre-feet, 9,000 acre-feet, or 12,000 acre-feet (similar to 2000, 2010, and 2017 releases respectively). The realistic scenario is modeled after 2010 when groundwater conditions and account balances were similar to the 2020 conditions. Depending on the scenario and the volume of the release, the lake elevation is projected to drop 8 to 13 feet by the end of the year (12/31/20).

Parameter	Optimistic	Realistic	Conservative
SCC Exports	80% Forecast	Forecast	120% of Forecast
CCWA Inflow	120% Forecast	Forecast	80% of Forecast
WR 89-18 Release	6,000 AF (2020), 12,000 AF (2021)	9,000 AF (2020), 12,000 AF (2021)	12,000 AF (2020), 12,000 AF (2021)

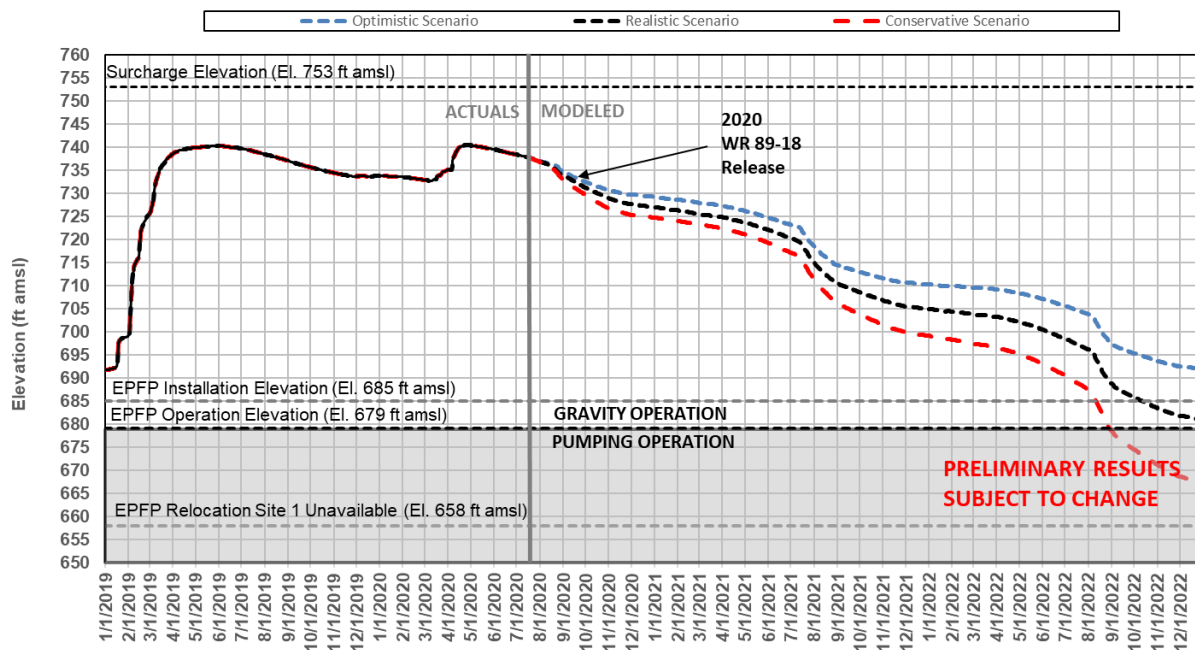


Figure 2. Lake Elevation Projection assuming Dry Year Hydrology (as of 7/15/2020)

## WATER QUALITY AND SEDIMENT MANAGEMENT STUDY

Woodward & Curran provided a draft report for the technical review committee in July. Woodward & Curran provided a virtual review of the report to the technical committee on July 15<sup>th</sup>. Once comments are received from Member Agency technical staff, the report will be finalized. A presentation to the Board on the findings of the study is tentatively planned for the August 24<sup>th</sup> Board meeting.



## **INFRASTRUCTURE IMPROVEMENT PROJECTS**

Table 1 provides a summary of the status of Fiscal Year 2020-2021 projects.

**Table 1. Fiscal Year 2020-2021 Infrastructure Improvement Projects**

<b>Infrastructure Improvement Projects</b>	<b>Status / Phase</b>	<b>Complexity / Challenges</b>	<b>Estimated Completion Date</b>
<b>Infrastructure Improvement Projects</b>			
SCADA System	PLC 8 hardware has been procured and programming completed. PLC 8 will be replaced this summer. COMB staff is working on SCADA Master Plan to replace the additional seven PLCs in the system.	COMB SCADA system was installed in 2004 and existing hardware is obsolete and in need of replacement.	PLC are planned to be completed by 2022.
COMB Building and Ground Repair	Admin and Fisheries modular office building replacement approved by the board and the design has been initiated.	COMB Admin and Fisheries modular offices will be replaced in-kind to limit complexity and challenges of construction.	Buildings planned to be replaced by the end of 2020.
SCC Structure Rehabilitation : Lower Reach Laterals	Designs have been completed for Schedule F in Carpinteria. Site visits planned in August to review construction.	Shutdown needs to be closely coordinated with CWWD. Rehabilitation of laterals may be needed prior to shutdowns occurring. At least four separate shutdowns will need to be completed to complete the work. Shutdowns timed for low demand periods in the winter.	First Schedule F shutdown planned to Nov 20 -Jan 21 timeframe - overall completion in 2022/2023
SCC Line Valves for Shutdown	Replacement 24" gate valve for Ortega Valve #1 has been ordered and planned to be replaced in the winter of 2020-21.	During Schedule D shutdown, excessive leak by was observed from Ortega Control Station. Valve #1 at the station will need to be replaced prior to construction involving the line valve. Additional line valve(s) may be needed in Carpinteria to facilitate shutdown work.	Construction planned for Winter 2020-2021
SCC Structure Rehabilitation : Lower Reach Laterals	Air vacuum release valves and gate valves have been ordered to support the project. Designs are being finalized.	In order to facilitate shutdowns on the Lower Reach of the SCC, lateral valves need replacement.	Initial construction planned for Fall/Winter 2020
<b>Special Projects</b>			
Emergency Pumping Facility - Secured Pipeline Project	Design plans and specifications are being prepared for Secured Pipeline. Materials are being prepared for the environmental review process. Key components of the barge are currently being stored under contract.	With the increase in lake levels in 2020, the lake elevation is projected to remain above 685 until the Summer/Fall 2022.	Designs planned to be completed by August 2020.
Lake Cachuma Water Quality and Sediment Management Study	Draft report is under reviewed and report should be completed by the end of August. COMB continues to sample according to the sampling and monitoring plan developed by the study.	Recent wildfires and subsequent storm events have resulted in decreased water quality and increased sedimentation into Lake Cachuma.	Study plan to be completed of August 2020

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## CACHUMA OPERATION AND MAINTENANCE BOARD

**DATE:** July 27, 2020  
**TO:** Janet Gingras, General Manager  
**FROM:** Shane King, Operations Supervisor  
**RE:** **MONTHLY REPORT OF OPERATIONS – JUNE 2020**

The total flow from Lake Cachuma into the Tecolote Tunnel for June was 1,682.1 acre-feet, for an average daily flow of 56.07 acre-feet. Lake elevation was 739.49 feet at the beginning of June and 738.38 feet at the end of June. Storage decreased by 2,912 acre-feet. CCWA wheeled 145.5 acre-feet of water into Cachuma Project facilities. The City of Santa Barbara wheeled 604.79 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized to deliver water to Hilton Creek for the month of June.

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

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

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

Operations staff continue to follow the implemented physical distancing measures as a response to COVID-19. Operators utilize separate vehicles and primarily complete work that could be done by one staff member or with appropriate physical distance if multiple staff are required. Routine operation and maintenance completed during the month of June were as follows:

- Staff has been on site monitoring several ongoing projects throughout the area, working closely with the construction and engineering contractors to ensure that:
  - Pipeline easements and the right-of-way remain accessible to Operations staff for possible emergencies and ongoing facility maintenance.
  - All projects are following the COMB and USBR approved plans.
  - No damage occurs to the SCC during the construction process.

- Conducted four flow changes at the North Portal during the month of June
- Reviewed 5 projects for conflicts within the right of way
- Received and reviewed 129 USA Dig alerts
- Performed weekly inspections of major facilities, safety meetings, rodent bait (all reservoirs), toe drain and piezometer reads at Ortega (L23)
- Performed dam inspection and instrumentation reports (all reservoirs)
- Performed equipment and yard maintenance
- Performed monthly North Portal elevator maintenance with Otis – replaced light bulbs in elevator shaft
- Performed monthly water quality sampling
- Read anodes and rectifier data

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

- Continued structure maintenance in the lower reach; maintenance of 38 structures was performed.
- Repaired the log boom and performed water quality monitoring buoy maintenance at the North Portal Intake Tower
- Replaced the Sonde probe on the water quality monitoring buoy
- Collected water quality samples of the Gin Chow release near Gibraltar Dam and near Santa Ynez River at Live Oak Campground
- Observed installation of Southern California Edison underground electrical conduit near the South Coast Conduit in the San Ysidro Road and Bolero Road area in Montecito
- Located several buried lateral valve cans in the Carpinteria as part of lateral rehabilitation design
- Powered PLC 8 with a generator during power shutdowns at Cater Treatment Plant for Booster Pump maintenance
- Potholed the South Coast Conduit on Bolero Road and observed Tidwell Construction installation of electrical conduit near the SCC
- Reviewed access easement on Via Pradera Lane following completion of home construction and performed annual structure maintenance at air vent at 554+61
- Raised air vent at structure 495+30
- Replaced circuit control board on Lauro Basin Debris pump
- Staff participated in virtual sexual harassment training through ACWA-JPIA
- Staff attended virtual training sessions for ArcGIS as part of the annual ESRI User Conference

**OPERATIONS PHOTOS**



*Observed installation of Southern California Edison underground electrical conduit near the South Coast Conduit in the San Ysidro Road and Bolero Road area in Montecito*



*Located buried valve at Lateral 13L with metal detector*





*Log boom repair at the Intake Tower*



*Raised air vent at structure 495+30*

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

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

**HIGHLIGHTS:**

- USBR continues to deliver the required 2000 Biological Opinion target flows by gravity flow through the Hilton Creek Watering System (HCWS) at approximately 4.6 cfs to the Upper Release Point which is sustaining the *O. mykiss* population in the creek.
- The 2000 BiOp and Order WR 2019-0148 target flows to the Hwy 154 Bridge are being met by USBR for a Below Normal water year through releases to Hilton Creek and from the Outlet Works to the Lower Santa Ynez River (LSYR) mainstem.
- Reclamation adjusted releases from Bradbury Dam in support of the downstream fishery.

In compliance with the 2000 Cachuma Project Biological Opinion (BiOp) (NMFS, 2000) and as described in the 2004 Lower Santa Ynez River Fish Management Plan (SYRTAC, 2000) and the Monitoring Program in the 2000 Revised Biological Assessment (BA), the COMB Fisheries Division (FD) staff conducts routine monitoring of steelhead/rainbow trout and their habitat on the Lower Santa Ynez River (LSYR) below Bradbury Dam. The following is a list of activities carried out by COMB-FD staff since the last COMB Board Fisheries Division Report and has been broken out by categories.

**LSYR Steelhead Monitoring Elements:**

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

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

***Snorkel surveys:*** Snorkel surveys for *O. mykiss* and non-native fish are conducted three times a year. The first survey at the end of the spring has been completed. The results are presented in the annual monitoring report.

## **Tributary Project Updates:**

### ***South Side Erosion Control and Reforestation Project at Quiota Creek Crossing 8:***

Funding for this project has been secured through a National Fish and Wildlife Foundation (NFWF) grant for \$43,973. The COMB Board accepted the grant during the 3/23/20 Board meeting and authorized the COMB General Manager to go forward with the project through Resolution No. 705. All landowner agreements and permits for the project have been secured. COMB issued a construction contract to Peter Lapidus Construction for \$41,530. The project is currently under construction during the dry season of the year.

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

***HCWS and HCEBS:*** The HCWS and HCEBS are owned, operated, and maintained by USBR. The HCEBS was completed at the end of January 2016. USBR technical staff continues to consider improvement options for the HCWS. Currently USBR is delivering water to Hilton Creek through the HCWS by gravity flow to the Upper Release Point with no backup from the HCEBS.

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

## **Adjustments to the Downstream Releases from Bradbury Dam in Support of the Fishery:**

Reclamation, after consultation with NMFS and in collaboration with COMB Fisheries Division staff, conducted an adjustment to the downstream releases from Bradbury Dam. The adjustment took place last week and there was no net change in the release amount from the operation. More water was released to Hilton Creek and less water was released from the Outlet Works. By doing so, cooler water now enters into the Hwy 154 Reach where staff has observed juvenile and adult *O. mykiss* during the spring snorkel survey.

## **Surcharge Water Accounting:**

The following table summarizes the amount of surcharge water used to date from each of the three accounts plus unallocated project yield at the end of last month (Table 1). All numbers are from the USBR's Daily Operations Report. The start time for the use of the Surcharge Water Accounts and Project Yield was 5/27/11, or the day following the last day of full surcharge and end of the last spill event. As of May 2012, all of the fish rearing accounts have been used and USBR is now using Project Yield to meet BiOp target flows. Water Right (WR 89-18) release durations since 2013 are noted as follows: 7/15/13 - 12/2/13, 8/18/14 - 11/11/14, 8/3/15 - 9/26/15, 7/12/16 - 8/29/16, 8/21/17 - 11/8/17, and 8/6/18 - 9/12/18. There were no WR 89-18 releases in WY2019. During these releases, no fish rearing releases are debited as WR 89-18 releases are used conjunctively with fish flows under the Cachuma Project Settlement Agreement. The Adaptive Management Committee (AMC) called for two releases from the Adaptive Management Account (AMA), 35 acre-feet in October 2012 and 114 acre-feet in June 2013. The remaining amount in the AMA is 351 acre-feet. All of the Fish Passage Supplementation Account (FPSA) has been used as explained in previous reports.



**Table 1:** Summary of the surcharge water accounting and use of Project Yield as of the day after the end of the last spill event and full surcharge (5/27/11).

Units:	(acre-feet)	(acre-feet)	(acre-feet)
<b>Fish Passage Supplementation</b>			
<b>WY2019</b>	3,200	3,307	-107
<b>WY2020</b>	0	2,558	-2,558
<b>Adaptive Management</b>	500	149	351
<b>Fish Rearing***</b>	8,684	8,684	0
<b>Unallocated Project Yield</b>		18,865	
<b>Total:</b>	9,184	33,563	-2,314
* Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013.			
** Values as of 6/30/20.			
*** This water is for meeting required target flows. This is not an official account and is what remains after subtracting the other two accounts.			

**Reporting / Outreach / Training:**

**Reporting:** Staff currently is working on the WY2020 Annual Monitoring Report (the USBR report) and the Annual Monitoring Summary (the COMB report) as well as any other BiOp or Order WR 2019-0148 compliance measures as requested by USBR. All reports through WY2019 have been completed and submitted to NMFS or posted on the COMB webpage.

**Outreach and Training:** Outreach continues with Quiota Creek and Salsipuedes Creek watershed landowners, interested parties within the Santa Ynez Valley, and the County on a variety of fisheries related issues. The Fisheries Division Manager gave a virtual conference presentation at the ESRI 2020 Users Conference (7/13-17/20) on Quiota Creek fish passage projects using Story Maps. The effort will be presented to the COMB Board during this meeting.

**Consultant Activity Summary:**

**HDR Fisheries Design Center** (Mike Garello) – No work was done this month.

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

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

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

**RECOMMENDATION:**

For Board information only.

**SUMMARY:**

***Maintenance***

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since October, 2019 to the present (10/1/19 – 7/27/20, Table 1). Labor and expenses for the entire fiscal year (July 2019 - June 2020) as well as water usage will be tracked separately and reported as necessary as recommended by the Lake Cachuma Oak Tree Committee. COMB staff continues to rely on the Fisheries Division seasonal employees to conduct the majority of oak tree work in the field. The 2015 Lakeshore Inventory was completed and reviewed by the Lake Cachuma Oak Tree Committee on 2/25/16. The 2019 Annual Inventory has been completed and Fiscal Year 2019-20 Financials are being compiled by the COMB-FD staff for the annual report and will be provided to the Lake Cachuma Oak Tree Committee soon after the completion of the fiscal year.

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

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

<sup>1</sup> Dead trees replaced

<sup>2</sup> Oak tree inventory

By the end of June, the COMB Fisheries Division had finished watering and hand weeding the new Year 11 trees at Santa Barbara County Park. In July, crews completed irrigating and weeding all of the Year 8 through Year 10 trees located at Santa Barbara County Park. A second round of irrigation is currently underway on the Year 11 trees.

The back of the COMB water truck was outfitted with a Honda water pump to assist in sending water from the tank to the many outfitted hose bibs (Exhibit 1. This new water pump allows the water truck engine to off during irrigation, rather than constantly running the truck to pump the water out. This will greatly reduce engine use time and extend the life of the water truck. The new system was installed by the COMB Operations crew.

**LIST OF EXHIBITS:**



**Exhibit 1:** Lake Cachuma Oak Tree Restoration program showing water truck with the new Honda motor and delivery system.

**CACHUMA OPERATION AND MAINTENANCE BOARD**

**METERED USE REPORT FOR JUNE 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		226.77	18+62	G. WEST	113.33
Boundary Meter - West		(0.41)	78+00	Corona Del Mar FILTER Plant	900.62
			122+20	STOW RANCH	0.00
				Raytheon (SWP) (Warren Act Contract)	(2.00)
				Morehart (SWP) (Warren Act Contract)	(5.00)
				SWP CREDIT (Warren Act Contract)	0.00
			<b>TOTAL</b>		<b>1,006.95</b>
			<b>MONTECITO WATER DISTRICT</b>		
			260+79	BARKER PASS	75.10
			386+65	MWD YARD	0.84
			487+07	VALLEY CLUB	0.00
			499+65	E. VALLEY-ROMERO PUMP	153.01
			510+95	MWD PUMP (SWD)	13.83
			510+95	ORTEGA CONTROL	17.87
			526+43	ASEGRA RD	0.32
			555+80	CO. YARD	0.00
			583+00	LAMBERT RD	0.00
			599+27	TORO CANYON	0.00
				SWP CREDIT (Warren Act Contract)	0.00
			<b>TOTAL</b>		<b>260.97</b>
			<b>CITY OF SANTA BARBARA</b>		
			CATER	INFLOW	1335.26
			Gibraltar	PENSTOCK	(604.79)
			CATER	SO. FLOW	(675.63)
			Sheffield	SHEF.LIFT	165.78
				SWP CREDIT (Warren Act Contract)	0.00
				La Cumbre Mutual (SWP) (Warren Act)	(92.54)
			<b>TOTAL</b>		<b>128.07</b>
			<b>SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, ID#1</b>		
			COUNTY PARK, ETC		2.27
			<b>TOTAL</b>		<b>2.27</b>
			<b>BREAKDOWN OF DELIVERIES BY TYPE:</b>		
			STATE WATER DELIVERED TO LAKE		155.00
			STATE WATER TO SOUTH COAST (including from storage)		99.54
			<b>METERED DIVERSION</b>		<b>1,624.61</b>
SWP CREDIT (Warren Act Contract) 0.00 <b>TOTAL 226.35</b>					
Note: Meter reads were taken on: 6/30/2020					

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

**CACHUMA OPERATION AND MAINTENANCE BOARD  
WATER PRODUCTION AND WATER USE REPORT  
FOR THE MONTH OF JUNE 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)	1,636.5	9,983.8
Tecolote Tunnel Infiltration	84.3	984.2
Cachuma Lake (County Park)	2.3	12.0
<b>Subtotal - Water Production</b>	<b>1,723.0</b>	<b>10,980.0</b>
<b>WATER DELIVERIES:</b>		
State Water Diversion	99.5	471.7
Cachuma Diversion	1,624.6	10,471.4
Storage gain/(loss)	(2.3)	44.1
<b>Subtotal - Water Deliveries</b>	<b>1,721.9</b>	<b>10,987.2</b>
<b>Total Water Production</b>	<b>1,723.0</b>	<b>10,980.0</b>
<b>Total Water Deliveries</b>	<b>1,721.9</b>	<b>10,987.2</b>
<b>Difference = Apparent Water Loss</b>	<b>1.1</b>	<b>(7.3)</b>
% Apparent Water Loss	0.07%	-0.07%

**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>(7.3)</b>
<b>Total AWL Incurred (WYTD)</b>					<b>(7.3)</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	795.5	128.1	243.2	104.6	2.3	1,273.5
Agricultural	211.5	0.0	17.8	121.8	N/A	351.1
<b>Subtotal Project Water Use</b>	<b>1,006.9</b>	<b>128.1</b>	<b>261.0</b>	<b>226.4</b>	<b>2.3</b>	<b>1,624.6</b>
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss <sup>(4)</sup>	26.1	147.8	27.6	8.9	5.0	215.3
<b>Total Project Water Charge</b>	<b>1,033.0</b>	<b>275.9</b>	<b>288.5</b>	<b>235.2</b>	<b>7.3</b>	<b>1,839.9</b>
<b>WATER YEAR-TO-DATE</b>						
Water Usage						
M&I	4,886.4	1,181.8	1,377.7	881.6	12.0	8,339.5
Agricultural	1,133.8	0.0	103.9	894.3	N/A	2,131.9
<b>Subtotal Project Water Use</b>	<b>6,020.1</b>	<b>1,181.8</b>	<b>1,481.6</b>	<b>1,775.8</b>	<b>12.0</b>	<b>10,471.4</b>
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss <sup>(4)</sup>	249.3	732.1	162.6	73.7	24.2	1,242.0
<b>Total Project Water Charge (*)</b>	<b>6,269.5</b>	<b>1,914.0</b>	<b>1,644.3</b>	<b>1,849.5</b>	<b>36.2</b>	<b>11,713.4</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 JUNE 2020 AND THE WATER YEAR TO DATE (WYTD) <sup>(1)</sup>**

(All in rounded Acre Feet)

**CACHUMA PROJECT WATER BALANCE**

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
<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>6,269.5</b>	<b>1,914.0</b>	<b>1,644.3</b>	<b>1,849.5</b>	<b>36.2</b>	<b>11,713.4</b>
<b>Balance Carryover Water</b>	<b>1,671.0</b>	<b>12,273.8</b>	<b>2,171.9</b>	<b>626.2</b>	<b>416.6</b>	<b>17,159.6</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>	228.0	153.0	153.0	102.0	(636.0)	0.0
Transfers/Adjustment - SB/La Cumbre	0.0	(30.0)	0.0	0.0	0.0	(30.0)
Transfers/Adjustment - Bishop Ranch <sup>(7)</sup>	100.0	0.0	0.0	0.0	0.0	100.0
Transfers/Adjustment - Juncal Transfer	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - GWD/SB Overlap	0.0	0.0	0.0	0.0	0.0	0.0
<b>Balance Current Year Allocation</b>	<b>9,650.0</b>	<b>8,400.0</b>	<b>2,804.0</b>	<b>2,915.0</b>	<b>2,015.0</b>	<b>25,784.0</b>
<b>Total Cachuma Project Water Available</b>	<b>11,321.0</b>	<b>20,673.8</b>	<b>4,975.9</b>	<b>3,541.2</b>	<b>2,431.6</b>	<b>42,943.6</b>

**Footnotes**

- (1) Water Year = October 1 through September 30; WYTD = Water Year to Date
- (2) Includes Lauro and Ortega Reservoirs only.
- (3) Based on correspondence from Michael Jackson, dated 09/15/17, which revised the approach to the assessment for unaccounted-for water loss based on lake conditions
- (4) Per USBR, evaporation is applied to Cachuma Carryover and SWP water through standard contract formula effective April 1, 2017.
- (5) Per USBR, 100% allocation to Member Agencies, effective 10/1/19.
- (6) Per SWP Exchange Agrmt GWD received 110 AF; City of SB received 74 AF; MWD received 74 AF and CVWD received 49 AF from ID#1 in June 2020.
- (7) Transfer per Contract for Exchange Water with Thomas B. Bishop Company and GWD (100 AF)
- (8) Memo only - State Water Deliveries to Lake Cachuma for June was 155 AF.

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

MONTH: **JUNE 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>547.9</b>	Feet
Water in Storage	481.19	AF

**ORTEGA RESERVOIR**

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	<b>448.8</b>	Feet
Water in Storage	24.98	AF

**CARPINTERIA RESERVOIR**

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	<b>388.7</b>	Feet
Water in Storage	44.66	AF

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

Change in Storage	550.84	AF
	22.75	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>738.38</b>	Feet
Water in Storage	<b>151,494</b>	AF
Surface Area	<b>2,604</b>	Acres
Evaporation	<b>1,522.8</b>	AF
Inflow	<b>666.5</b>	AF
Downstream Release WR8918	<b>0.0</b>	AF
Fish Release (Hilton Creek)	<b>278.8</b>	AF
Outlet	<b>317.0</b>	AF
Spill/Seismic Release	<b>0</b>	AF
State Water Project Water	<b>145.52</b>	AF
Change in Storage	<b>-2,991</b>	AF
Tecolote Diversion	<b>1,682.1</b>	AF

<b>Rainfall:</b>	<b>Month:</b> 0.00	<b>Season:</b> 21.04	<b>Percent of Normal:</b> 106%
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(1) Glen Annie Reservoir is currently offline and excluded from Total Storage in Reservoirs amount.

(2) In 2014, flashboard installation raised Cachuma Reservoir max elevation to 753' (193,305 AF); surcharge water reserved for fish releases.



**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			0		
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			
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			
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			
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			
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			
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			
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	0	1			84	0	0	12	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	0	1			83	0	0	12	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	0	1			82	0	0	12	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				
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	12	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			
<b>Total</b>	<b>1460</b>	<b>235</b>	<b>427</b>	<b>0</b>	<b>3</b>	<b>0</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>			

(\*) 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	12	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			
March	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	40	0	0			48	4	4	12	2	2	0				
April	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	54	0	0			24	3	3	12	3	3	0			
May	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	69	0	0			0	3	3	12	3	3	0				
June	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	148	93	0	0			55	2	2	12	5	5	0				
July																																								
August																																								
September																																								
October																																								
November																																								
December																																								
<b>Total</b>	<b>447</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>418</b>	<b>310</b>	<b>1</b>	<b>-52</b>	<b>55</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>17</b>	<b>17</b>	<b>0</b>					

(\*) Adj / Notes:

Total SC Storage at month end (AF): 0

Total Storage at month end (AF): 67

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

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

Contract Entity: **Goleta Water District**  
 Update by COMB 6/30/2020

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	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	-
402.0	65.4	467.5	19.7	467.5	487.2	412.5	74.7	-
596.6	51.9	648.4	27.5	648.4	675.9	610.2	65.7	-
778.5	259.5	1,038.0	36.4	1,038.0	1,074.4	793.9	280.5	-
795.5	211.5	1,006.9	26.1	1,006.9	1,033.0	803.3	229.7	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
4,886.4	1,133.8	6,020.1	249.3	6,020.1	6,269.5	5,018.5	1,251.0	-

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

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

SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	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
				-	-	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-
Bishop Ranch Exch (+100AF) + ID#1 Exch (+73AF)				135.8	37.2	173.0
ID#1 Exch (+110AF)				53.7	56.3	110.0
				-	-	-
				-	-	-

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

BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
	6,885.9	4,237.5	2,648.5	6,756.1	2,610.9	9,367.0
	6,178.4	3,703.8	2,474.6	6,756.1	2,610.9	9,367.0
	5,756.8	3,336.6	2,420.3	6,756.1	2,610.9	9,367.0
	5,387.1	2,994.7	2,392.4	6,756.1	2,610.9	9,367.0
	4,941.5	2,622.8	2,318.8	6,756.1	2,610.9	9,367.0
	4,454.4	2,210.3	2,244.1	6,756.1	2,610.9	9,367.0
	3,778.4	1,600.1	2,178.3	6,756.1	2,610.9	9,367.0
	2,704.0	806.2	1,897.9	6,891.9	2,648.1	9,540.0
	1,671.0	2.9	1,668.1	6,945.7	2,704.3	9,650.0

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 11,321.0

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

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

Contract Entity: **City of Santa Barbara**  
 Update by COMB 6/30/2020

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	-	-	-	-
154.0	-	154.0	55.0	154.0	209.0	209.0	-	-	-	-
142.8	-	142.8	86.0	142.8	228.8	228.8	-	-	-	-
76.4	-	76.4	142.2	76.4	218.6	218.6	-	-	-	-
128.1	-	128.1	147.8	128.1	275.9	275.9	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,181.8	-	1,181.8	732.1	1,181.8	1,914.0	1,914.0	-	-	-	-

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

SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation	Allocation	Allocation	Total
		M & I	-----	M & I	-----
Begin Bal	14,187.8	14,187.8		8,277.0	8,277.0
LCMWD Trsfr (-30AF) + ID#1 Exch (+30AF)				-	-
				-	-
				-	-
				-	-
				-	-
				-	-
May ID#1 Exch (+49AF)				49.0	49.0
Jun ID#1 Exch (+74AF)				74.0	74.0
				-	-
				-	-
				-	-
				-	-

BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation	Allocation	Allocation	Total
		M & I	-----	M & I	-----
Oct	13,964.1	13,964.1	-	8,277.0	8,277.0
Nov	13,771.6	13,771.6	-	8,277.0	8,277.0
Dec	13,628.0	13,628.0	-	8,277.0	8,277.0
Jan	13,516.6	13,516.6	-	8,277.0	8,277.0
Feb	13,206.1	13,206.1	-	8,277.0	8,277.0
Mar	12,997.1	12,997.1	-	8,277.0	8,277.0
Apr	12,768.3	12,768.3	-	8,277.0	8,277.0
May	12,549.7	12,549.7	-	8,326.0	8,326.0
Jun	12,273.8	12,273.8	-	8,400.0	8,400.0
Jul					
Aug					
Sep					

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 20,674

**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 6/30/2020

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	-
80.9	4.0	84.9	12.4	84.9	97.3	90.4	6.9	-
115.7	3.5	119.2	19.0	119.2	138.2	130.2	8.0	-
264.1	22.2	286.3	29.4	286.3	315.7	286.3	29.5	-
243.2	17.8	261.0	27.6	261.0	288.5	263.4	25.2	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
1,377.7	103.9	1,481.6	162.6	1,481.6	1,644.3	1,502.4	141.8	-

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

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SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	3,816.2	3,041.1	775.1	2,244.0	407.0	2,651.0
ID#1 Exch (+30AF)				16.1	13.9	30.0
				-	-	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-
ID#1 Exch (+49AF)				24.0	25.0	49.0
ID#1 Exch (+74AF)				36.2	37.8	74.0
				-	-	-
				-	-	-

Month  
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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
	2,914.5	2,218.5	696.0	2,260.1	420.9	2,681.0
	2,776.2	2,088.3	687.9	2,260.1	420.9	2,681.0
	2,460.5	1,802.0	658.5	2,284.1	445.9	2,730.0
	2,171.9	1,538.7	633.3	2,320.3	483.7	2,804.0

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 4,975.9

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

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

Contract Entity: **Carpinteria Valley Water District**  
 Update by COMB 6/30/2020

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	-
58.2	48.1	106.3	5.2	106.3	111.5	60.5	51.0	-
47.3	29.6	76.9	7.6	76.9	84.5	50.5	34.0	-
101.9	121.2	223.0	11.0	223.0	234.0	106.4	127.6	-
104.6	121.8	226.4	8.9	226.4	235.2	108.1	127.1	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
881.6	894.3	1,775.8	73.7	1,775.8	1,849.5	914.1	935.4	-

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

Month  
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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
				-	-	-
				-	-	-
				-	-	-
				-	-	-
ID#1 Exch (+33AF)				16.2	16.8	33.0
ID#1 Exch (+49AF)				23.9	25.1	49.0
				-	-	-
				-	-	-

Month  
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BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
	2,087.1	976.0	1,111.1	1,410.7	1,422.3	2,833.0
	1,766.5	834.4	932.1	1,410.7	1,422.3	2,833.0
	1,620.0	740.7	879.3	1,410.7	1,422.3	2,833.0
	1,509.1	670.8	838.3	1,410.7	1,422.3	2,833.0
	1,291.5	562.0	729.5	1,410.7	1,422.3	2,833.0
	1,180.0	501.5	678.4	1,410.7	1,422.3	2,833.0
	1,095.5	451.0	644.4	1,410.7	1,422.3	2,833.0
	861.4	344.6	516.8	1,426.9	1,439.1	2,866.0
	626.2	236.5	389.7	1,450.8	1,464.2	2,915.0

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 3,541.2

**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 6/30/2020

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	-	-	-
0.9	-	0.9	1.8	0.9	2.7	0.9	1.8	-	-	-
0.8	-	0.8	2.9	0.8	3.7	0.8	2.8	-	-	-
0.9	-	0.9	4.8	0.9	5.6	0.9	4.7	-	-	-
2.3	-	2.3	5.0	2.3	7.3	2.3	4.9	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
12.0	-	12.0	24.2	12.0	36.2	12.5	23.8	-	-	-

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

Month  
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SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	452.8	14.8	438.0	935.0	1,716.0	2,651.0
ID#1 Exch (-125AF)				(67.0)	(58.0)	(125.0)
				-	-	-
				-	-	-
				-	-	-
				-	-	-
ID#1 Exch (-204AF)				(100.0)	(104.0)	(204.0)
ID#1 Exch (-307AF)				(150.0)	(157.0)	(307.0)
				-	-	-
				-	-	-
				-	-	-

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 Sep

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
0.9	433.2	6.4	426.8	868.0	1,658.0	2,526.0
0.8	429.5	5.6	423.9	868.0	1,658.0	2,526.0
0.9	423.8	4.6	419.2	768.0	1,554.0	2,322.0
2.3	416.6	2.3	414.2	618.0	1,397.0	2,015.0
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 2,431.6

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

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

Contract Entity: **Santa Barbara Co. Water Agency**  
 Update by COMB 6/30/2020

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			0.0	696.1	117.6	813.7	94.1	813.7	907.8	773.4	134.4	-	-	-
Apr			0.0	903.1	85.0	988.1	143.0	988.1	1,131.2	1,020.5	110.6	-	-	-
May			0.0	1,221.7	402.8	1,624.6	223.8	1,624.6	1,848.4	1,406.1	442.3	-	-	-
Jun			0.0	1,273.5	351.1	1,624.6	215.3	1,624.6	1,839.9	1,452.9	387.0	-	-	-
Jul			-	-	-	-	-	-	-	-	-	-	-	-
Aug			-	-	-	-	-	-	-	-	-	-	-	-
Sep			-	-	-	-	-	-	-	-	-	-	-	-
Total	28,873.0	25,714.0	0.2	8,339.5	2,131.9	10,471.4	1,242.0	10,471.4	11,713.4	9,361.4	2,352.0	-	-	-

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	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	-	-	-	125.0	(25.0)	100.00
Jun	-	-	-	37.8	(37.8)	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	County Parks Usage (AF)	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	1.8	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	0.9	21,979.1	4,045.2	19,571.9	6,112.1	25,684.0
Apr	0.8	20,847.9	3,934.6	19,571.9	6,112.1	25,684.0
May	0.9	18,999.5	3,492.3	19,696.9	6,087.1	25,784.0
Jun	2.3	17,159.6	3,105.3	19,734.7	6,049.3	25,784.0
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **42,943.6**

# CACHUMA DAILY OPERATIONS

Month & Year: July 2020  
 Time of Observations: 0830 Evaporation Pan Factor: 81%

Day	Beginning Storage: 151,494			Surface Area	Rainfall		Evaporation		CCWA Inflow	Releases					Computed Inflow	
	Elevation	Storage	Change		inches	acre-feet	inches	acre-feet		Park Diversion	South Coast	Hilton Creek	WR 89-18	Outlet		Spillway
	ft	acre-feet	acre-feet	acres	inches	acre-feet	inches	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet
1	738.35	151,416	(78)	2,603	-		0.190	33.4	13.3		54.0	9.3		10.0		15.4
2	738.33	151,364	(52)	2,602	-		0.220	38.6	30.7		54.1	9.3		11.0		30.3
3	738.30	151,286	(78)	2,601	-		0.370	65.0	35.1		54.2	9.3		10.0		25.4
4	738.29	151,260	(26)	2,601	-		0.290	50.9	36.0		53.7	9.2		11.0		62.8
5	738.25	151,156	(104)	2,600	-		0.340	59.7	12.7		54.6	9.3		10.0		16.9
6	738.22	151,078	(78)	2,599	-		0.390	68.4	12.7		54.3	9.3		11.0		52.3
7	738.17	150,948	(130)	2,597	-		0.280	49.1	12.7		52.4	9.3		10.0		(21.9)
8	738.12	150,818	(130)	2,595	-		0.290	50.8	12.6		86.6	9.3		11.0		15.1
9	738.07	150,663	(155)	2,594	-		0.290	50.8	8.0		87.0	9.3		11.0		(4.9)
10	738.02	150,559	(104)	2,592	-		0.320	56.0	8.0		73.4	9.2		10.0		36.6
11	737.98	150,455	(104)	2,591	-		0.320	56.0	7.9		66.5	9.3		13.0		32.9
12	737.93	150,325	(130)	2,590	-		0.360	62.9	8.0		66.6	9.3		13.0		13.8
13	737.88	150,195	(130)	2,588	-		0.400	69.9	8.0		66.4	9.3		13.0		20.6
14	737.83	150,065	(130)	2,586	-		0.300	52.4	6.4		64.7	9.3		14.0		4.0
15	737.78	149,935	(130)	2,585	-		0.280	48.9	5.3		58.2	9.3		13.0		(5.9)
16	737.73	149,806	(129)	2,583	-		0.270	47.1	-		63.4	9.2		13.0		3.7
17	737.68	149,676	(130)	2,582	-		0.290	50.5	-		63.6	9.3		13.0		6.4
18	737.63	149,546	(130)	2,580	-		0.270	47.0	-		64.4	9.2		13.0		3.6
19	737.58	149,417	(129)	2,578	-		0.310	54.0	-		65.5	9.3		14.0		13.8
20	737.53	149,289	(128)	2,577	-		0.300	52.2	-		65.4	9.2		13.0		11.8
21	737.48	149,161	(128)	2,575	-		0.340	59.1	-		64.5	9.1		13.0		17.7
22	737.43	149,032	(129)	2,573	-		0.260	45.2	-		64.0	9.2		13.0		2.4
23																
24																
25																
26																
27																
28																
29																
30																
31																

<b>TOTALS</b>	(2,462)		-	-	6.680	1,167.7	-	217.4	-	1,397.5	203.8	-	263.0	-	352.6
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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: **JUNE 2020****



<b>Cachuma Lake Recreation Area Launch Data -- June 2020</b>		
<b>Vessel Data</b>		
Total Vessels Entering Park	801	
Total Vessels Launched	775	
Total Vessels Quarantined	26	
Returning (Tagged) Boats Launched	567	73%
Kayak/Canoe Launched	208	27%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
<b>**Vessel Inspection Data</b>		
Total Vessels Inspected	121	
Boats Inspected	31	
Kayaks/Canoes Inspected	75	
Simple Boats Inspected	15	
Inspections Passed	117	
Inspections Failed	4	All Boats
<b>Quarantine Data</b>		
Total Vessels Quarantined	26	
Quarantined 7 days	*	
Quarantined 14 days	*	
Quarantined 30 days	26	
<b>Quarantine Cause</b>		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	9	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	26	
<b>Demographic Data</b>		
Quarantined from infected county	9	
Quarantined from SB County	17	
Quarantined from uninfected co	0	
Quarantined from out of state	0	

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

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

\* Conditions no longer being tracked.  
\*\* Tracking Vessel Inspection Data as of June 2020.

**EARLY DETECTION MONITORING PROGRAM SUMMARY**

Summary: No Dreissenid Mussels were detected, nor Aquatic Invasive Species of any kind.  
Inspection Site: Cachuma Lake, Santa Barbara County, California.  
Inspection Date and Time: 2020.06.26; 10 a.m. to 12 p.m. PDT.  
Method: 6 Sampling Stations; 36 meters/118 linear feet of line.  
Surveyors: Santa Barbara County, Parks Division Employees.  
Lake elevation: Max feet: 753.00, current 738.51; Max acre-feet: 193,305, current: 151,831;  
Current capacity: 78.5%