

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

**3301 Laurel Canyon Road  
Santa Barbara, CA 93105**

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**Monday, October 24, 2016**

**2:00 P.M.**

**AGENDA**

1. **CALL TO ORDER, ROLL CALL**
2. **PUBLIC COMMENT** (Public may address the Board on any subject matter not on the agenda and within the Board's jurisdiction. See "Notice to the Public" below. Please make your comments from the podium once acknowledged by the President of the Board.)
3. **CONSENT AGENDA** (All items on the Consent Agenda are considered to be routine and will be approved or rejected in a single motion. Any item placed on the Consent Agenda may be removed and placed on the Regular Agenda for discussion and possible action upon the request of any Board Member.)  
Action: Recommend Approval of Consent Agenda by motion and roll call vote of the Board:
  - a. Minutes September 13, 2016 Special Board Meeting  
Minutes September 26, 2016 Regular Board Meeting
  - b. Investment of Funds
    - Financial Reports
    - Investment Reports
  - c. Review of Paid Claims
4. **VERBAL REPORTS FROM BOARD COMMITTEES**  
Receive verbal information regarding the following committee meetings:
  - Administrative Committee Meeting – October 20, 2016
  - Fisheries Committee Meeting – October 20, 2016
5. **FISH PASSAGE IMPROVEMENT PROJECT: QUIOTA CREEK CROSSING 8 – COM3 CONSULTING INC. PROPOSAL**  
Action: Recommend approval by motion and roll call vote of the Board
6. **USGS HILTON CREEK STREAM GAUGE RELOCATION**  
Action: Recommend approval by motion and roll call vote of the Board
7. **GENERAL MANAGER REPORT**  
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
  - Cachuma Project Member Unit Manager Meeting
  - CCWA Steering Committee Meeting
  - Financial
  - Operations Division
  - Fisheries Division

8. **OPERATIONS DIVISION REPORT**  
Receive information regarding Operations Division, including but not limited to the following:
  - Lake Cachuma Operations
  - Operation and Maintenance Activities
9. **UPDATE: FISH PASSAGE IMPROVEMENT PROJECTS**  
Receive information regarding the status of the Fish Passage Improvement Projects
  - Quiota Creek Crossing 0A
  - Quiota Creek Crossing 4
10. **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
11. **PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM**  
Receive information regarding the Lake Cachuma Oak Tree Program including but not limited to the following:
  - Maintenance and Monitoring
12. **MONTHLY CACHUMA PROJECT REPORTS**  
Receive information regarding the Cachuma Project, including but not limited to the following:
  - a. Cachuma Water Reports
  - b. Cachuma Reservoir Current Conditions
  - c. Lake Cachuma Quagga Survey
13. **DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING**
14. **[CLOSED SESSION]: CONFERENCE WITH LEGAL COUNSEL: EXISTING AND POTENTIAL LITIGATION**
  - a. [Government Code Section 54956.9(d)(4)]  
Name of matter: Protest of Member Agency re: Payment of Assessment for Certain Fisheries Related Activities
15. **RECONVENE INTO OPEN SESSION**  
[Government Code Section 54957.7]  
Disclosure of actions taken in closed session, as applicable  
[Government Code Section 54957.1]
  - a. Protest of Member Agency re: Payment of Assessment for Certain Fisheries Related Activities
16. **MEETING SCHEDULE**
  - **November 28, 2016 at 2:00 P.M., COMB Office**
  - **Board Packages Available on COMB Website**  
[www.cachuma-board.org](http://www.cachuma-board.org)

## 17. COMB ADJOURNMENT

### NOTICE TO PUBLIC

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

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

**Public Comment:** Any member of the public may address the Board on any subject within the jurisdiction of the Board 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 SPECIAL MEETING  
of the  
CACHUMA OPERATION & MAINTENANCE BOARD**

**held at  
3301 Laurel Canyon Road, Santa Barbara, CA  
Tuesday, September 13, 2016**

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**1. Call to Order, Roll Call**

The meeting was called to order at 10:01 a.m. by President Doug Morgan, who chaired the meeting. Those in attendance were:

**Directors present:**

Doug Morgan	Montecito Water District
Harwood “Bendy” White	City of Santa Barbara
Alonzo Orozco	Carpinteria Valley Water District ( <i>Alternate</i> )
Lauren Hanson	Goleta Water District

**Others Present:**

Janet Gingras	William Carter ( <i>via teleconference</i> )
Tim Robinson	Bob McDonald
Amy Smith	

**2. Public Comment**

There was no public comment.

**3. Fish Passage Improvement Projects: Quiota Creek Crossing 0A and Quiota Creek Crossing 4**

- a. Execution of Two (2) Purchase Orders for ConTech Engineering Solutions bottomless arched culverts*
- b. Payment of Santa Barbara County Encroachment Permit Fee*
- c. Landowner Access Agreement*
- d. Execution of Construction Contract with the Lowest Responsive and Responsible Bidder*

Mr. Tim Robinson, Fisheries Division Manager, summarized the background and purpose of each of the two projects at length. He spoke to the deliverables required by various regulatory agencies involved in implementing one or both projects, and noted the rationale behind bidding their construction jointly. Of three bidding firms, Mr. Robinson reported that Peter Lapidus Construction, Inc. was the lowest responsive and responsible bidder.

Following brief discussion, Director Hanson moved approval of recommendations “a” through “d,” as detailed in the staff report presented within the board packet. Mr. Bill

Carter, COMB General Counsel, added that he expected the proposed access agreement's terms would be negotiated to the Board's satisfaction later that day. Seconded by Director White, the motion carried 6/0/1 as follows:

**Ayes:** White, Orozco, Hanson, Morgan

**Nays:** None

**Absent/Abstain:** Walsh

**4. Meeting Schedule**

- The next Regular Board meeting will be held September 26, 2016 at 2:00 p.m.
- The Agendas and Board Packets are available on the COMB Website at [www.cachuma-board.org](http://www.cachuma-board.org).

**5. COMB Adjournment**

There being no further business, the meeting was adjourned at 10:26 a.m.

Respectfully submitted,

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Janet Gingras, Secretary to the Board

**APPROVED:**

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Doug Morgan, President of the Board

	<b><i>Approved</i></b>
√	<b><i>Unapproved</i></b>

**MINUTES OF A REGULAR MEETING  
of the  
CACHUMA OPERATION & MAINTENANCE BOARD**

**held at**  
3301 Laurel Canyon Road, Santa Barbara, CA  
**Monday, September 26, 2016**

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**1. Call to Order, Roll Call**

The meeting was called to order at 2:00 p.m. by President Doug Morgan who chaired the meeting. Those in attendance were:

**Directors present:**

Doug Morgan	Montecito Water District
Cathy Murillo	City of Santa Barbara ( <i>Alternate</i> )
Polly Holcombe	Carpinteria Valley Water District
Lauren Hanson	Goleta Water District

**Others present:**

Janet Gingras	Tim Robinson
Dave Stewart	Kimberly Cherry
Adelle Capponi	Kelley Dyer
Dale Francisco	Joshua Haggmark
Phil Walker	

**2. Public Comment**

Phil Walker recalled high drought temperatures from his childhood, comparing them to the current and unprecedented drought temperatures and conditions; and spoke to a Lake Powell study regarding calculating bank inflow and bank storage.

**3. Consent Agenda**

**a. Minutes**

August 22, 2016 Regular Board Meeting

**b. Investment Funds**

Financial Reports  
Investment Reports

**c. Review of Paid Claims**

Director Hanson moved to approve the Consent Agenda as presented in the board packet. Director Murillo requested that Item #3a be considered by the Board under a separate motion. Director Hanson modified her motion accordingly to approve Items #3b and #3c of the Consent Agenda. Director Holcombe inquired about several paid claims; then, seconded by Director Holcombe, the motion passed 6/0/1 as follows:

**Ayes:** Murillo, Holcombe, Hanson, Morgan

**Nays:** None

**Absent/Abstain:** Walsh

Director Hanson moved approval of Item #3a of the Consent Agenda: Minutes August 22, 2016 Regular Board. Seconded by Director Holcombe, the motion carried 4/0/3 as follows:

**Ayes:** Holcombe, Hanson, Morgan

**Nayes:** None

**Absent:** Walsh

**Abstain:** Murillo

#### **4. Verbal Reports from Board Committees**

- *Public Outreach Committee Meeting – August 30, 2016:* Director Hanson announced that the Public Relations Committee reviewed and provided comments on a draft Media Relations Policy, Item #6 on today's agenda, which the Public Outreach Committee forwards to the Board with a recommendation to approve.
- *Operations Committee Meeting – September 20, 2016:* Director Morgan summarized the meeting in absence of Director White, the Committee's Chair. He noted the forthcoming presentation, and advised that the Operations Committee was pleased with, and forwards to the Board with a recommendation of approval, the Water System's Optimization, Inc. (WSO) Proposal for services on the COMB Water Efficiency & Metering Analysis Project.

#### **5. HDR Engineering, Inc. Presentation: Emergency Pumping Facility Project (EPFP)**

Mr. Dan Ellison, P.E., of HDR Engineering, Inc., delivered a presentation to the Board as Project Engineer for the Emergency Pumping Facility Project (EPFP), outlining factors that determine the increasingly essential forecasts and estimates of lake storage, evaporation, lake inflows and outflows, etc. Mr. Ellison discussed some of the considerations to be taken into account and touched on future Board actions necessary for the Project's continued and future operation.

#### **6. Media Relations Policy**

Director Hanson moved to approve adopting the Media Relations Policy, as presented in the board packet and recommended by the Public Relations Committee. Seconded by Director Holcombe, the motion carried 6/0/1 as follows:

**Ayes:** Murillo, Holcombe, Hanson, Morgan

**Nayes:** None

**Absent/Abstain:** Walsh

#### **7. Water Systems Optimization, Inc. Proposal: COMB Water Efficiency & Metering Analysis Project**

Ms. Janet Gingras, General Manager, explained the course of events and historical circumstances leading to the decision to pursue a COMB project to assist in more efficiently accounting for water deliveries through the South Coast Conduit. Director Holcombe moved to approve authorizing the General Manager to enter into a Professional Services Agreement with WSO for the work proposed, in an amount not-to-exceed \$29,752. Seconded by Director Hanson, the motion carried 6/0/1 as follows:

**Ayes:** Murillo, Holcombe, Hanson, Morgan

**Nays:** None

**Absent/Abstain:** Walsh

## **8. General Manager Report**

- *U.S. Bureau of Reclamation Contract Compliance Reviews*
- *Reclamation Meeting September 15, 2016*
- *Cachuma Project Member Agency Meetings*
- *Operations Division*
- *Fisheries Division*

Ms. Gingras highlighted topics within her report, as incorporated in the board packet, and responded to questions from the Board.

## **9. Operations Division Report**

- *Lake Cachuma Operations*
- *Operation and Maintenance Activities*

Mr. David “Buddy” Flora, Operations Lead, with the assistance of Ms. Gingras, summarized the report, providing brief updates on several current operational tasks, repairs, and projects.

## **10. Fisheries Division Report**

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

Mr. Robinson noted highlights of the report as presented in the board packet, offered further detail on recent Fisheries Division activities, and fielded questions from the Board.

## **11. Progress Report on Lake Cachuma Oak Tree Program**

- *Maintenance and Monitoring*

Mr. Robinson summarized the progress report on the Lake Cachuma Oak Tree Program and fielded questions from the Board.

## **12. Monthly Cachuma Project Reports**

The reports were included in the board packet for information.

## **13. Directors’ Requests for Agenda Items for Future Meeting**

There were no requests for agenda items for future meetings.

## **14. [Closed Session]: Conference with Legal Counsel: Existing and Potential Litigation**

The Board went into closed session at 3:37 p.m.

- a. [Government Code Section 54956.9(d)(4)]



Protest of Member Agency re: Payment of Assessment for Certain Fisheries  
Related Activities

**15. Reconvene Into Open Session**

[Government Code Section 54957.7]

Disclosure of actions taken in closed session, as applicable

[Government Code Section 54957.1]

The Board came out of closed session at 4:45 p.m.

- a. Protest of Member Agency re: Payment of Assessment for Certain Fisheries  
Related Activities

There was no reportable action.

**16. Meeting Schedule**

- The next Regular Board meeting will be held October 24, 2016 at 2:00 p.m.
- The Agendas and Board Packets are available on the COMB website at [www.cachuma-board.org](http://www.cachuma-board.org)

**17. COMB Adjournment**

There being no further business, the meeting was adjourned at 4:46 p.m.

Respectfully submitted,

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

**APPROVED:**

\_\_\_\_\_  
Doug Morgan, President of the Board

	<b><i>Approved</i></b>
√	<b><i>Unapproved</i></b>

**COMB**  
**Statement of Net Assets**

As of September 30, 2016  
UNAUDITED FINANCIALS

**ASSETS**

**Current Assets**

**Checking/Savings**

**TRUST FUNDS**

1210 · WARREN ACT TRUST FUND 540,560.52

1220 · RENEWAL FUND 34,832.81

**Total TRUST FUNDS** 575,393.33

1050 · GENERAL FUND 768,380.72

1100 · REVOLVING FUND 6,992.19

**Total Checking/Savings** 1,350,766.24

**Accounts Receivable**

1301 · ACCOUNTS Receivable 28,254.80

1320 · Qrtly Assessments Receivable 499,428.00

**Total Accounts Receivable** 527,682.80

**Other Current Assets**

1010 · PETTY CASH 500.00

1200 · LAIF 1,810,111.35

1303 · Bradbury SOD Act Assmnts Rec 88,160.00

1304 · Lauro Dam SOD Assesmnt Rec 15,106.00

1400 · PREPAID INSURANCE 27,269.72

**Total Other Current Assets** 1,941,147.07

**Total Current Assets** 3,819,596.11

**Fixed Assets**

1500 · VEHICLES 436,876.93

1505 · OFFICE FURN & EQUIPMENT 440,652.20

1510 · MOBILE OFFICES 97,803.34

1515 · FIELD EQUIPMENT 559,852.38

1525 · PAVING 38,351.00

1550 · ACCUMULATED DEPRECIATION -1,367,626.55

**Total Fixed Assets** 205,909.30

**Other Assets**

1910 · LT Bradbury SOD Act Assess Rec 5,162,599.07

1920 · LT Lauro SOD Act Assess Rec 925,236.00

1922 · Deferred Outflows of Resources (GASB 68) 136,562.00

**Total Other Assets** 6,224,397.07

**TOTAL ASSETS** 10,249,902.48

**COMB**  
**Statement of Net Assets**

As of September 30, 2016  
UNAUDITED FINANCIALS

**LIABILITIES & NET ASSETS**

**Liabilities**

**Current Liabilities**

**Accounts Payable**

2200 · ACCOUNTS PAYABLE

247,105.49

**Total Accounts Payable**

247,105.49

**Other Current Liabilities**

Payroll-DepPrm Admin

360.12

Payroll-DepPrm FD

21.24

Payroll-DepPrm Ops

451.64

2505 · ACCRUED WAGES

68,307.79

2550 · VACATION/SICK

159,283.55

2561 · BRADBURY DAM SOD ACT

3,936.27

2563 · LAURO DAM SOD ACT

-290.46

2565 · ACCRUED INTEREST SOD ACT

87,008.00

2590 · DEFERRED REVENUE

550,776.13

**Total Other Current Liabilities**

869,854.28

**Total Current Liabilities**

1,116,959.77

**Long Term Liabilities**

2602 · LT SOD Act Liability-Bradbury

5,162,599.07

2603 · LT SOD Act Liability - Lauro

925,236.00

2604 · OPEB LT Liability

784,909.00

2605 · Loan Payable - EPFP

2,034,342.66

2610 · Net Pension Liability (GASB 68)

1,120,314.00

2611 · Deferred Inflows of Resources (GASB 68)

348,168.00

**Total Long Term Liabilities**

10,375,568.73

**Total Liabilities**

11,492,528.50

**NET POSITION**

3000 · Opening Bal Equity

-1,357,356.05

3901 · Retained Net Assets

-635,871.21

Net Income

750,601.24

**Total Net Assets**

-1,242,626.02

**TOTAL LIABILITIES & NET POSITION**

10,249,902.48

## Cachuma Operation & Maintenance Board Statement of Revenues and Expenditures Budget vs. Actuals July 2016 - Jun 2017

	Fisheries			Operations			TOTAL		
	Jul - Sep 16	Budget	% of Budget	Jul - Sep 16	Budget	% of Budget	Jul - Sep 16	Budget	% of Budget
<b>Income</b>									
<b>3000 REVENUE</b>									
3001 - O&M Budget (Qtrly Assessments)	293,486.00	3,297,011.00	8.9%	1,099,581.03	4,417,789.00	24.89%	1,393,067.03	7,714,800.00	18.06%
3006 - Warren Act	0.00	238,306.00	0.0%	0.00			0.00	238,306.00	0.0%
3007 - Renewal Fund	52,872.00	52,872.00	100.0%	611,708.79			611,708.79	0.00	100.0%
3009 - Pmts - Member Agencies - EPPF	0.00			3,191.70			3,191.70	0.00	100.0%
3015 - Watershed Sanitary Survey	0.00			0.00			0.00	671,635.00	0.0%
3033 - Grant-QC Crossing # 0 (a&b)	0.00	671,635.00	0.0%	0.00			0.00	938,295.00	0.0%
3034 - Grant-QC Crossing #4	0.00	938,295.00	0.0%	0.00			0.00	90,000.00	0.0%
3035 - Cachuma Project Betterment Fund	0.00	90,000.00	0.0%	0.00			0.00	90,000.00	0.0%
<b>Total 3000 REVENUE</b>	<b>346,358.00</b>	<b>5,288,119.00</b>	<b>6.55%</b>	<b>1,714,481.52</b>	<b>4,417,789.00</b>	<b>38.81%</b>	<b>2,060,839.52</b>	<b>9,705,908.00</b>	<b>21.23%</b>
<b>Total Income</b>	<b>346,358.00</b>	<b>5,288,119.00</b>	<b>6.55%</b>	<b>1,714,481.52</b>	<b>4,417,789.00</b>	<b>38.81%</b>	<b>2,060,839.52</b>	<b>9,705,908.00</b>	<b>21.23%</b>
<b>Gross Profit</b>	<b>346,358.00</b>	<b>5,288,119.00</b>	<b>6.55%</b>	<b>1,714,481.52</b>	<b>4,417,789.00</b>	<b>38.81%</b>	<b>2,060,839.52</b>	<b>9,705,908.00</b>	<b>21.23%</b>
<b>Expense</b>									
<b>PAYROLL</b>									
Gross	0.00			0.00			0.00	0.00	0.0%
Gross-FD	0.00			0.00			0.00	0.00	0.0%
<b>Total PAYROLL</b>	<b>0.00</b>			<b>0.00</b>			<b>0.00</b>	<b>0.00</b>	<b>0.0%</b>
<b>3100 - LABOR - OPERATIONS</b>	0.00			144,916.57	812,375.00	17.84%	144,916.57	812,375.00	17.84%
<b>3200 VEH &amp; EQUIPMENT</b>									
3201 - Vehicle/Equip Mtce	0.00			11,034.07	30,000.00	36.78%	11,034.07	30,000.00	36.78%
3202 - Fixed Capital	0.00			3,048.74	15,000.00	20.33%	3,048.74	15,000.00	20.33%
3203 - Equipment Rental	0.00			593.81	5,000.00	11.88%	593.81	5,000.00	11.88%
3204 - Miscellaneous	0.00			1,115.43	5,000.00	22.31%	1,115.43	5,000.00	22.31%
<b>Total 3200 VEH &amp; EQUIPMENT</b>	<b>0.00</b>			<b>15,792.05</b>	<b>55,000.00</b>	<b>28.71%</b>	<b>15,792.05</b>	<b>55,000.00</b>	<b>28.71%</b>
<b>3300 - CONTRACT LABOR</b>									
3301 - Conduit, Meter, Valve & Misc	0.00			1,529.44	20,000.00	7.65%	1,529.44	20,000.00	7.65%
3302 - Buildings & Roads	0.00			300.20	27,257.00	1.1%	300.20	27,257.00	1.1%
3302-1 - UF FY 15/16 Ortega Underdrain	0.00			0.00	-7,257.00	0.0%	0.00	-7,257.00	0.0%
3303 - Reservoirs	0.00			0.00	57,743.00	0.0%	0.00	57,743.00	0.0%
3303-1 - UF FY-15/16 Ortega Underdrain	0.00			0.00	-27,743.00	0.0%	0.00	-27,743.00	0.0%
3304 - Engineering, Misc Services	0.00			4,279.50	25,000.00	17.12%	4,279.50	25,000.00	17.12%
<b>Total 3300 - CONTRACT LABOR</b>	<b>0.00</b>			<b>6,109.14</b>	<b>95,000.00</b>	<b>6.43%</b>	<b>6,109.14</b>	<b>95,000.00</b>	<b>6.43%</b>
<b>3400 - MATERIALS &amp; SUPPLIES</b>									
3401 - Conduit, Meter, Valve & Misc	0.00			710.51	65,000.00	1.09%	710.51	65,000.00	1.09%
3402 - Buildings & Roads	0.00			800.07	15,000.00	5.33%	800.07	15,000.00	5.33%
3403 - Reservoirs	0.00			1,652.07	10,000.00	16.52%	1,652.07	10,000.00	16.52%
<b>Total 3400 - MATERIALS &amp; SUPPLIES</b>	<b>0.00</b>			<b>3,162.65</b>	<b>90,000.00</b>	<b>3.51%</b>	<b>3,162.65</b>	<b>90,000.00</b>	<b>3.51%</b>
<b>3500 - OTHER EXPENSES</b>									
3501 - Utilities	0.00			1,878.12	7,000.00	26.83%	1,878.12	7,000.00	26.83%
3502 - Uniforms	0.00			696.84	5,000.00	13.94%	696.84	5,000.00	13.94%
3503 - Communications	0.00			4,439.50	18,000.00	24.66%	4,439.50	18,000.00	24.66%

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures**  
Budget vs. Actuals July 2016 - Jun 2017

	Fisheries				Operations				TOTAL			
	Jul - Sep 16	Budget	\$ Over Budget	% of Budget	Jul - Sep 16	Budget	\$ Over Budget	% of Budget	Jul - Sep 16	Budget	\$ Over Budget	% of Budget
3504 · USA & Other Services	0.00				431.12	4,000.00	-3,568.88	10.78%	431.12	4,000.00	-3,568.88	10.78%
3505 · Miscellaneous	0.00				1,786.11	8,000.00	-6,213.89	22.33%	1,786.11	8,000.00	-6,213.89	22.33%
3506 · Training	0.00				708.00	3,000.00	-2,292.00	23.6%	708.00	3,000.00	-2,292.00	23.6%
<b>Total 3500 · OTHER EXPENSES</b>	<b>0.00</b>				<b>9,939.69</b>	<b>45,000.00</b>	<b>-35,060.31</b>	<b>22.09%</b>	<b>9,939.69</b>	<b>45,000.00</b>	<b>-35,060.31</b>	<b>22.09%</b>
4000 · Reconciliation Discrepancies	0.00				0.05	0.00	0.05	0.05	0.05	0.00	0.05	100.0%
4100 · LABOR - FISHERIES	173,164.87	623,119.00	-449,954.13	27.79%	0.00				173,164.87	623,119.00	-449,954.13	27.79%
4200 · VEHICLES & EQUIP - FISHERIES												
4270 · Vehicle/Equip Mtce	5,718.54	13,000.00	-7,281.46	43.99%	0.00				5,718.54	13,000.00	-7,281.46	43.99%
4280 · Fixed Capital	0.00	15,000.00	-15,000.00	0.0%	0.00				0.00	15,000.00	-15,000.00	0.0%
4290 · Miscellaneous	2,416.81	2,500.00	-83.19	96.67%	0.00				2,416.81	2,500.00	-83.19	96.67%
<b>Total 4200 · VEHICLES &amp; EQUIP - FISHERIES</b>	<b>8,135.35</b>	<b>30,500.00</b>	<b>-22,364.65</b>	<b>26.67%</b>	<b>0.00</b>				<b>8,135.35</b>	<b>30,500.00</b>	<b>-22,364.65</b>	<b>26.67%</b>
4220 · CONTRACT LABOR - FISHERIES												
4221 · Meters & Valves	0.00	3,000.00	-3,000.00	0.0%	0.00				0.00	3,000.00	-3,000.00	0.0%
4222 · Fish Projects Maintenance	0.00	25,000.00	-25,000.00	0.0%	0.00				0.00	25,000.00	-25,000.00	0.0%
<b>Total 4220 · CONTRACT LABOR - FISHERIES</b>	<b>0.00</b>	<b>28,000.00</b>	<b>-28,000.00</b>	<b>0.0%</b>	<b>0.00</b>				<b>0.00</b>	<b>28,000.00</b>	<b>-28,000.00</b>	<b>0.0%</b>
4300 · MATERIALS/SUPPLIES - FISHERIES												
4390 · Miscellaneous	1,165.60	7,000.00	-5,834.40	16.65%	0.00				1,165.60	7,000.00	-5,834.40	16.65%
<b>Total 4300 · MATERIALS/SUPPLIES - FISHERIES</b>	<b>1,165.60</b>	<b>7,000.00</b>	<b>-5,834.40</b>	<b>16.65%</b>	<b>0.00</b>				<b>1,165.60</b>	<b>7,000.00</b>	<b>-5,834.40</b>	<b>16.65%</b>
4500 · OTHER EXPENSES - FISHERIES												
4502 · Uniforms	191.97	2,500.00	-2,308.03	7.68%	0.00				191.97	2,500.00	-2,308.03	7.68%
<b>Total 4500 · OTHER EXPENSES - FISHERIES</b>	<b>191.97</b>	<b>2,500.00</b>	<b>-2,308.03</b>	<b>7.68%</b>	<b>0.00</b>				<b>191.97</b>	<b>2,500.00</b>	<b>-2,308.03</b>	<b>7.68%</b>
4999 · GENERAL & ADMINISTRATIVE												
5000 · Director Fees												
5001 · Director Mileage	0.00	2,000.00	-1,839.32	8.03%	160.68	2,000.00	-1,839.32	8.03%	160.68	2,000.00	-1,839.32	8.03%
5000 · Director Fees - Other	0.00	11,000.00	-8,753.60	20.42%	2,246.40	11,000.00	-8,753.60	20.42%	2,246.40	11,000.00	-8,753.60	20.42%
<b>Total 5000 · Director Fees</b>	<b>0.00</b>	<b>13,000.00</b>	<b>-10,592.92</b>	<b>18.52%</b>	<b>2,407.08</b>	<b>13,000.00</b>	<b>-10,592.92</b>	<b>18.52%</b>	<b>2,407.08</b>	<b>13,000.00</b>	<b>-10,592.92</b>	<b>18.52%</b>
5100 · Legal	0.00	75,000.00	-68,353.00	8.86%	6,647.00	75,000.00	-68,353.00	8.86%	6,647.00	75,000.00	-68,353.00	8.86%
5101-1 · Audit	0.00	20,000.00	-20,000.00	0.0%	0.00	20,000.00	-20,000.00	0.0%	0.00	20,000.00	-20,000.00	0.0%
5150 · Unemployment Tax	0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
5200 · Liability Insurance	0.00	45,955.00	-5,570.50	87.88%	40,384.50	45,955.00	-5,570.50	87.88%	40,384.50	45,955.00	-5,570.50	87.88%
5310 · Postage/Office Exp	0.00	5,000.00	-2,946.45	41.07%	2,053.55	5,000.00	-2,946.45	41.07%	2,053.55	5,000.00	-2,946.45	41.07%
5311 · Office Equip/Leases	0.00	8,000.00	-5,637.32	29.53%	2,362.68	8,000.00	-5,637.32	29.53%	2,362.68	8,000.00	-5,637.32	29.53%
5312 · Misc Admin Expenses	0.00	7,150.00	-2,399.86	66.44%	4,750.14	7,150.00	-2,399.86	66.44%	4,750.14	7,150.00	-2,399.86	66.44%
5313 · Communications	0.00	8,500.00	-6,217.39	26.85%	2,282.61	8,500.00	-6,217.39	26.85%	2,282.61	8,500.00	-6,217.39	26.85%
5314 · Utilities	0.00	9,737.00	-7,105.60	27.03%	2,631.40	9,737.00	-7,105.60	27.03%	2,631.40	9,737.00	-7,105.60	27.03%
5315 · Membership Dues	0.00	8,000.00	-7,782.25	2.72%	217.75	8,000.00	-7,782.25	2.72%	217.75	8,000.00	-7,782.25	2.72%
5316 · Admin Fixed Assets	0.00	3,000.00	-1,256.30	58.12%	1,743.70	3,000.00	-1,256.30	58.12%	1,743.70	3,000.00	-1,256.30	58.12%
5318 · Computer Consultant	0.00	15,000.00	-12,886.20	14.09%	2,113.80	15,000.00	-12,886.20	14.09%	2,113.80	15,000.00	-12,886.20	14.09%
5322 · Temp Training/Subscriptions	0.00	2,000.00	-947.49	52.63%	1,052.51	2,000.00	-947.49	52.63%	1,052.51	2,000.00	-947.49	52.63%
5330 · Admin Travel/Conferences	0.00	2,000.00	-1,394.75	30.26%	605.25	2,000.00	-1,394.75	30.26%	605.25	2,000.00	-1,394.75	30.26%
5331 · Public Information	0.00	1,000.00	-975.31	2.47%	24.69	1,000.00	-975.31	2.47%	24.69	1,000.00	-975.31	2.47%
<b>Total 4999 · GENERAL &amp; ADMINISTRATIVE</b>	<b>0.00</b>	<b>228,342.00</b>	<b>-159,065.34</b>	<b>30.34%</b>	<b>69,276.66</b>	<b>228,342.00</b>	<b>-159,065.34</b>	<b>30.34%</b>	<b>69,276.66</b>	<b>228,342.00</b>	<b>-159,065.34</b>	<b>30.34%</b>

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures**  
 Budget vs. Actuals July 2016 - Jun 2017

9:33 AM  
 10/18/16  
 Accrual Basis

	Fisheries				Operations				TOTAL			
	Jul - Sep 16	Budget	\$ Over Budget	% of Budget	Jul - Sep 16	Budget	\$ Over Budget	% of Budget	Jul - Sep 16	Budget	\$ Over Budget	% of Budget
5299 · ADMIN LABOR	0.00				136,841.92	525,822.00	-388,980.08	26.02%	136,841.92	525,822.00	-388,980.08	26.02%
5400 · GENERAL & ADMIN - FISHERIES												
5407 · Legal - FD	1,679.00	20,000.00	-18,321.00	8.4%	0.00				1,679.00	20,000.00	-18,321.00	8.4%
5410 · Postage / Office Supplies	1,399.37	2,000.00	-600.63	69.97%	0.00				1,399.37	2,000.00	-600.63	69.97%
5411 · Office Equipment / Leases	1,272.18	5,218.00	-3,945.82	24.38%	0.00				1,272.18	5,218.00	-3,945.82	24.38%
5412 · Misc. Admin Expense	1,074.30	4,870.00	-3,795.70	22.06%	0.00				1,074.30	4,870.00	-3,795.70	22.06%
5413 · Communications	1,388.67	4,305.00	-2,916.33	32.26%	0.00				1,388.67	4,305.00	-2,916.33	32.26%
5414 · Utilities	1,416.91	5,243.00	-3,826.09	27.03%	0.00				1,416.91	5,243.00	-3,826.09	27.03%
5415 · Membership Dues	218.00	4,000.00	-3,782.00	5.45%	0.00				218.00	4,000.00	-3,782.00	5.45%
5416 · Admin Fixed Assets	938.92	3,000.00	-2,061.08	31.3%	0.00				938.92	3,000.00	-2,061.08	31.3%
5418 · Computer Consultant	1,138.20	5,000.00	-3,861.80	22.76%	0.00				1,138.20	5,000.00	-3,861.80	22.76%
5425 · Employee Education/Subsription	1,223.64	2,500.00	-1,276.36	48.95%	0.00				1,223.64	2,500.00	-1,276.36	48.95%
5426 · Director Fees	1,209.60	6,000.00	-4,790.40	20.16%	0.00				1,209.60	6,000.00	-4,790.40	20.16%
5427 · Director Mileage	86.52	1,000.00	-913.48	8.65%	0.00				86.52	1,000.00	-913.48	8.65%
5430 · Travel	41.62	2,500.00	-2,458.38	1.67%	0.00				41.62	2,500.00	-2,458.38	1.67%
5431 · Public Information	513.30	1,500.00	-986.70	34.22%	0.00				513.30	1,500.00	-986.70	34.22%
5441 · Audit	0.00	6,300.00	-6,300.00	0.0%	0.00				0.00	6,300.00	-6,300.00	0.0%
5443 · Liab & Property Ins	21,745.50	24,745.00	-2,999.50	87.88%	0.00				21,745.50	24,745.00	-2,999.50	87.88%
<b>Total 5400 · GENERAL &amp; ADMIN - FISHERIES</b>	<b>35,345.73</b>	<b>98,181.00</b>	<b>-62,835.27</b>	<b>36.0%</b>	<b>0.00</b>				<b>35,345.73</b>	<b>98,181.00</b>	<b>-62,835.27</b>	<b>36.0%</b>
5499 · ADMIN LABOR-FISHERIES	54,549.42	224,712.00	-170,162.58	24.28%	0.00				54,549.42	224,712.00	-170,162.58	24.28%
5510 · Integrated Reg. Water Mgt Plan	0.00				1,343.00	5,000.00	-3,657.00	26.86%	1,343.00	5,000.00	-3,657.00	26.86%
<b>6000 · SPECIAL PROJECTS</b>												
6062 · SCADA	0.00				1,150.88	20,000.00	-18,849.12	5.75%	1,150.88	20,000.00	-18,849.12	5.75%
6090 · COMB Office Building	0.00				0.00	150,000.00	-150,000.00	0.0%	0.00	150,000.00	-150,000.00	0.0%
6096 · SCC Structure Rehabilitation	0.00				0.00	240,000.00	-240,000.00	0.0%	0.00	240,000.00	-240,000.00	0.0%
6097 · GIS and Mapping	0.00				1,925.00	10,000.00	-8,075.00	19.25%	1,925.00	10,000.00	-8,075.00	19.25%
6100 · Watershed Sanitary Survey	0.00				15,826.82	35,481.20	-19,654.38	44.61%	15,826.82	35,481.20	-19,654.38	44.61%
6100-1a · Watershed Sanitary Survey-C/O	0.00				0.00	-35,481.20	35,481.20	0.0%	0.00	-35,481.20	35,481.20	0.0%
6105 · ROW Management Program	0.00				1,440.00	20,000.00	-18,560.00	7.2%	1,440.00	20,000.00	-18,560.00	7.2%
6109 · NP Jet Flow Control Valve	0.00				0.00	50,000.00	-50,000.00	0.0%	0.00	50,000.00	-50,000.00	0.0%
6111 · Mission Crk Pipe Temp Repair	0.00				0.00	50,000.00	-50,000.00	0.0%	0.00	50,000.00	-50,000.00	0.0%
6118 · Repair Lateral 3 Structure	0.00				5,184.50	100,000.00	-94,815.50	5.19%	5,184.50	100,000.00	-94,815.50	5.19%
6120 · Emergency Pumping Fac Project	0.00				433,475.16	1,846,250.00	-1,412,774.84	23.48%	433,475.16	1,846,250.00	-1,412,774.84	23.48%
6130 · NP Slope Stabilization	0.00				8,973.75	82,668.20	-73,694.45	10.86%	8,973.75	82,668.20	-73,694.45	10.86%
6130-1 · NP Slope Stabl C/O Funds FY 16	0.00				0.00	-82,668.20	82,668.20	0.0%	0.00	-82,668.20	82,668.20	0.0%
6131 · Lauro Diversion Valve Install	0.00				0.00	75,000.00	-75,000.00	0.0%	0.00	75,000.00	-75,000.00	0.0%
<b>Total 6000 · SPECIAL PROJECTS</b>	<b>0.00</b>				<b>467,976.11</b>	<b>2,561,250.00</b>	<b>-2,093,273.89</b>	<b>18.27%</b>	<b>467,976.11</b>	<b>2,561,250.00</b>	<b>-2,093,273.89</b>	<b>18.27%</b>
<b>6200 · FISHERIES ACTIVITIES</b>												
6201 · FMP Implementation	1,674.24	73,000.00	-71,325.76	2.29%	0.00				1,674.24	73,000.00	-71,325.76	2.29%
6202 · GIS and Mapping	125.00	10,000.00	-9,875.00	1.25%	0.00				125.00	10,000.00	-9,875.00	1.25%
6203 · Grants Technical Support	0.00				0.00	10,000.00	-10,000.00	0.0%	0.00	10,000.00	-10,000.00	0.0%
6204 · SYR Hydrology Technical Support	0.00				0.00	8,000.00	-8,000.00	0.0%	0.00	8,000.00	-8,000.00	0.0%
6205 · USGS Stream Gauge Program	19,525.00	77,000.00	-57,475.00	25.36%	0.00				19,525.00	77,000.00	-57,475.00	25.36%
6206 · Tri County Fish Team Funding	0.00				0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
6207 · Oak Tree Restoration Program	139.16	80,000.00	-79,860.84	0.17%	0.00				139.16	80,000.00	-79,860.84	0.17%
<b>Total 6200 · FISHERIES ACTIVITIES</b>	<b>21,463.40</b>	<b>263,000.00</b>	<b>-241,536.60</b>	<b>8.16%</b>	<b>0.00</b>				<b>21,463.40</b>	<b>263,000.00</b>	<b>-241,536.60</b>	<b>8.16%</b>

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures**  
Budget vs. Actuals July 2016 - Jun 2017

	Fisheries			Operations			TOTAL					
	Jul - Sep 16	Budget	\$ Over Budget	% of Budget	Jul - Sep 16	Budget	\$ Over Budget	% of Budget	Jul - Sep 16	Budget	\$ Over Budget	% of Budget
<b>6300 · HABITAT ENHANCEMENT</b>												
6303 · Tributary Projects Support	0.00	20,000.00	-20,000.00	0.0%	0.00				0.00	20,000.00	-20,000.00	0.0%
6312 · Quiota Creek Crossing 0 (a&b)	55,048.43	840,000.00	-784,951.57	6.55%	0.00				55,048.43	840,000.00	-784,951.57	6.55%
6314 · Quiota Creek Crossing 4	90,785.74	1,120,000.00	-1,029,214.26	8.11%	0.00				90,785.74	1,120,000.00	-1,029,214.26	8.11%
6316 · Quiota Creek Crossing 5	0.00	30,000.00	-30,000.00	0.0%	0.00				0.00	30,000.00	-30,000.00	0.0%
6317 · Salsipuedes Fish Ladder Repair	0.00	10,000.00	-10,000.00	0.0%	0.00				0.00	10,000.00	-10,000.00	0.0%
<b>Total 6300 · HABITAT ENHANCEMENT</b>	<b>145,834.17</b>	<b>2,020,000.00</b>	<b>-1,874,165.83</b>	<b>7.22%</b>	<b>0.00</b>				<b>145,834.17</b>	<b>2,020,000.00</b>	<b>-1,874,165.83</b>	<b>7.22%</b>
<b>7007 · INTEREST EXPENSE-EPPP</b>	<b>0.00</b>				<b>15,029.93</b>				<b>15,029.93</b>	<b>0.00</b>	<b>15,029.93</b>	<b>100.0%</b>
<b>Total Expense</b>	<b>439,850.51</b>	<b>3,297,012.00</b>	<b>-2,857,161.49</b>	<b>13.34%</b>	<b>870,387.77</b>	<b>4,417,789.00</b>	<b>-3,547,401.23</b>	<b>19.7%</b>	<b>1,310,238.28</b>	<b>7,714,801.00</b>	<b>-6,404,562.72</b>	<b>16.98%</b>
<b>Net Income</b>	<b>-93,492.51</b>	<b>1,991,107.00</b>	<b>-2,084,599.51</b>	<b>-4.7%</b>	<b>844,093.75</b>	<b>0.00</b>	<b>844,093.75</b>	<b>100.0%</b>	<b>750,601.24</b>	<b>1,991,107.00</b>	<b>-1,240,505.76</b>	<b>37.7%</b>

Local Agency Investment Fund  
P.O. Box 942809  
Sacramento, CA 94209-0001  
(916) 653-3001

[www.treasurer.ca.gov/pmia-laif/laif.asp](http://www.treasurer.ca.gov/pmia-laif/laif.asp)  
October 03, 2016

CACHUMA OPERATION AND MAINTENANCE BOARD

GENERAL MANAGER  
3301 LAUREL CANYON ROAD  
SANTA BARBARA, CA 93105-2017

PMIA Average Monthly Yields

Tran Type Definitions

September 2016 Statement

Account Summary

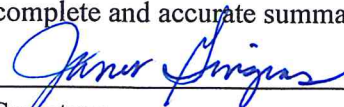
Total Deposit:	0.00	Beginning Balance:	1,810,111.35
Total Withdrawal:	0.00	Ending Balance:	1,810,111.35

**MEMO TO:** Board of Directors  
Cachuma Operation & Maintenance Board

**FROM:** Janet Gingras, Secretary

**SUBJECT: COMB INVESTMENT POLICY**

The above statement of investment activity for the month of September, 2016, 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 LAIF investments of this agency for the period indicated.

  
Secretary



# AMERICAN RIVIERA BANK

P.O. Box 329, Santa Barbara, California 93102  
805-965-5942 www.americanrivierabank.com

PAGE 1

CACHUMA OPERATION AND MAINTENANCE BOARD  
RENEWAL ACCOUNT  
3301 LAUREL CANYON RD  
SANTA BARBARA CA 93105-2017

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ACCOUNT ANALYSIS CHECKING

STATEMENT DATE 09/30/2016  
LAST STATEMENT DATE 08/31/2016

2	STATEMENT PERIOD		
PREVIOUS BALANCE	10,215.61	# OF DAYS-STMT PERIOD	30
2 DEPOSITS/CREDITS	24,617.20	AVERAGE BALANCE	14,130.96
0 CHECKS/WITHDRAWALS	0.00	YTD INTEREST	0.00
ENDING BALANCE	34,832.81		
TOTAL SRV CHG TODAY	0.00		

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**MEMO TO:** Board of Directors  
Cachuma Operation & Maintenance Board

**FROM:** Janet Gingras, Secretary

**SUBJECT: COMB INVESTMENT POLICY**

The above statement of investment activity for the month of September, 2016, 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 investments of this agency for the period indicated.

  
Secretary

# AMERICAN RIVIERA BANK

P.O. Box 329, Santa Barbara, California 93102  
805-965-5942 www.americanrivierabank.com

PAGE 1

CACHUMA OPERATION AND MAINTENANCE BOARD  
WARREN ACCT TRUST FUND  
3301 LAUREL CANYON RD  
SANTA BARBARA CA 93105-2017

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ACCOUNT ANALYSIS CHECKING

STATEMENT DATE 09/30/2016  
LAST STATEMENT DATE 08/31/2016

0	STATEMENT PERIOD		
PREVIOUS BALANCE	540,560.52	# OF DAYS-STMT PERIOD	30
0 DEPOSITS/CREDITS	0.00	AVERAGE BALANCE	540,560.52
0 CHECKS/WITHDRAWALS	0.00	YTD INTEREST	0.00
ENDING BALANCE	540,560.52		
TOTAL SRV CHG TODAY	0.00		

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**MEMO TO:** Board of Directors  
Cachuma Operation & Maintenance Board

**FROM:** Janet Gingras, Secretary

**SUBJECT: COMB INVESTMENT POLICY**

The above statement of investment activity for the month of September, 2016, 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 investments of this agency for the period indicated.

  
Secretary

Cachuma Operation & Maintenance Board  
**Paid Claims**  
As of September 30, 2016

Date	Num	Name	Memo	Amount
<b>1050 - GENERAL FUND</b>				
09/13/2016	24784	CONTECH Engineered Solutions, LLC	Bridge Deposit-Quiota Creek Xng 0a (Fish Div)	-44,012.78
09/13/2016	24785	CONTECH Engineered Solutions, LLC	Bridge Deposit-Quiota Creek Xng 4 (Fish Div)	-65,092.64
09/13/2016	24786	County of S.B.-P.W. Trans	Quiota Crk Xng #4 Permit #D0190069-Bal due (FD)	-20,303.00
09/13/2016	24787	County of SB-North County Office	Permit Compliance Minor fee-Xng 0a (Fish Div)	-500.00
09/13/2016	24788	Association of Ca Water Agencies/JPIA	Oct Health Benefits coverage	-24,932.47
09/13/2016	24789	AT&T	Aug charges	-694.05
09/13/2016	24790	Castle Publications, Ltd	HR Compliance Publications	-387.05
09/13/2016	24791	City of Santa-Barbara	Trash/Recycle-Aug 2016	-218.67
09/13/2016	24792	Coastal Copy, LP	Copier mtce agreements	-391.22
09/13/2016	24793	County of Santa--Barbara	Green waste (Ops Div)	-10.00
09/13/2016	24794	County of SB Planning & Development	Land Use Permit Xng 0-Aug staff labor (Fish Div)	-384.57
09/13/2016	24795	Cox Communications Santa Barbara	Business internet-Sep	-195.00
09/13/2016	24796	Culligan of Sylmar	Monthly RO system-Sep	-25.95
09/13/2016	24797	Dal Pozzo Tire Corp.	Tires-Ford F-350 (Ops Div)	-280.42
09/13/2016	24798	Famcon Pipe & Supply	Flanges/nuts-bolts/gaskets (Ops Div)	-276.48
09/13/2016	24799	Federal Express	Mailings	-10.93
09/13/2016	24800	Flowers & Associates, Inc.	Engineering services-Lat 3A Abandonment-Jul	-3,809.50
09/13/2016	24801	Frontier Communications	Main office/outlying stations/SCADA	-1,242.46
09/13/2016	24802	Harrison Hardware	Oak tree mat-supp/tools/misc mat-supp (Fish Div)	-689.08
09/13/2016	24803	Harwood White	Aug mtg fees	-132.48
09/13/2016	24804	HDR Engineering, Inc.	Engineering services-EPFP Jul-Aug (Ops Div)	-7,216.02
09/13/2016	24805	Home Depot Credit Services	Paint/tools/pesticide (Ops Div)	-427.73
09/13/2016	24806	Laser Cartridge Co.	Ink cartridge	-145.79
09/13/2016	24807	Lauren W. Hanson	Aug mtg fees	-400.20
09/13/2016	24808	MNS Engineers, Inc.	Topographic-NP Tower access road (Ops Div)	-8,973.75
09/13/2016	24809	O'Reilly Automotive, Inc.	Paint-truck mtce/battery/wiper blades/trailer wiring (Ops Div)	-240.68
09/13/2016	24810	Paychex, Inc.	8/12, 8/26 payrolls/taxes/deliveries	-338.84
09/13/2016	24811	Polly Holcombe	Aug mtg fees	-429.83
09/13/2016	24812	Praxair Distribution, Inc	Cylinder rental (acetylene for welder) (Ops Div)	-68.59
09/13/2016	24813	Premiere Global Services	Conf calls-Aug	-454.07
09/13/2016	24814	Quinn Company	Lauro/North Portal generators periodic mtce-battery replacement and 750 hr service (Ops Div)	-4,907.70
09/13/2016	24815	SB Home Improvement Center	Oak tree/fisheries mat-supp (Fish Div)	-65.16
09/13/2016	24816	Sherwin Williams Co.	Paint supplies (Ops Div)	-349.40
09/13/2016	24817	Southern California Edison	Main office/outlying stations	-1,523.08
09/13/2016	24818	Specialty Tool, LTD	Tool (Ops Div)	-89.12
09/13/2016	24819	SWRCB-DWOCP	D1 Distribution renewal (DS) (Ops Div)	-70.00
09/13/2016	24820	Tri-Co Reprographics	Copies-Quiota Creek 0a & 4 (Fish Div)	-319.69
09/13/2016	24821	Tri County Auto Glass	Windshield replace Chev C-1500 (Ops Div)	-355.12
09/13/2016	24822	Turenchalk Network Services, Inc.	IT services	-1,326.00
09/13/2016	24823	Underground Service Alert of So. Calif.	78 Ticket charges (Ops Div)	-117.00
09/13/2016	24824	Verizon Wireless	Cellular/Modem's/USB's	-592.02
09/13/2016	24825	W. Douglas Morgan	Aug mtg fees	-138.80
09/13/2016	24826	Wright Express Fleet Services	Fleet fuel	-2,248.04
09/19/2016	24827	American Riviera Bank (ARB)	Payment #2 Principal/Interest-EPFP loans	-38,477.96
09/19/2016	24828	Cushman Contracting Corp.	Emerg Pumping System: Pay Req#28-Phase II	-193,893.00
09/19/2016	24829	ID Works	COMB logo/stitching-shirts	-639.90
09/19/2016	24830	PG&E	Tecolote Tunnel/North Portal electricity	-392.19
09/19/2016	24831	Salmonid Restoration Federation	2016 SRF 2nd Steelhead Summit Co-Sponsorship	-500.00
09/19/2016	24832	Summers Engineering, Inc.	Watershed Sanitary Survey 2016-4th progress billing	-14,524.58
09/19/2016	24833	J&C Services	Ofc cleaning services 8/26, 9/2,9/9, 9/16	-440.00
09/19/2016	24834	Milpas Rental	Chipper rental (Ops Div)	-160.88

Cachuma Operation & Maintenance Board  
**Paid Claims**  
As of September 30, 2016

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
09/20/2016	24835	Wells Fargo Vendor Fin Serv	Copier lease agmts	-489.24
09/22/2016	24836	Montecito Farms, LLC	Access permit-Davis Family Property-QC Xng 0a	-5,000.00
09/26/2016	24837	Bureau of Reclamation	15th Annual/1st Annual Irr pymt-Brad Dam SOD	-261,647.70
09/26/2016	24838	Bureau of Reclamation	9th Annual/1st Annual Irr pymt-Lauro Dam SOD	-42,911.00
Total 1050 - GENERAL FUND				<u>-753,461.83</u>
<b>TOTAL</b>				<b><u>-753,461.83</u></b>

**APPROVED FOR PAYMENT**

\_\_\_\_\_  
Director  
\_\_\_\_\_  
Director  
\_\_\_\_\_  
Director

FINANCE COMMITTEE

# **CACHUMA OPERATION & MAINTENANCE BOARD**

## **Administrative Committee Meeting**

3301 Laurel Canyon Road  
Santa Barbara, CA 93105

**Thursday, October 20, 2016**  
**11:00 AM**

### **AGENDA**

1. Call to Order
2. Public Comment (Public may address the Committee on any subject matter not on the agenda and within the Committee's jurisdiction)
3. Draft COMB Procurement Policy (*for information and possible recommendation*)
4. Adjournment

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

# CACHUMA OPERATION & MAINTENANCE BOARD

## Fisheries Committee Meeting

3301 Laurel Canyon Road  
Santa Barbara, CA 93105

Thursday, October 20, 2016  
1:00 PM

### AGENDA

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. Fish Passage Improvement Project: Quiota Creek Crossing 8 – COM3 Consulting Inc. Proposal (*for information and possible recommendation*)
4. USGS Hilton Creek Stream Gauge Relocation Project (*for information and possible recommendation*)
5. Update: Annual Monitoring Reports (AMRs) (*for information*)
6. Update: Tributary Projects (*for information*)
7. Adjournment

[This Agenda was Posted at 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:	October 24, 2016
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

**SUBJECT:** Fish Passage Improvement Project: Quiota Creek Crossing 8 – COM3 Consulting Inc. Proposal

**SUMMARY:**

COMB is working with the County of Santa Barbara on the implementation of the Quiota Creek Crossing 8 Bridge Replacement Project. The project is eligible to be funded through the State/Federal Highway Bridge Program (HBP). COMB is now seeking the services of COM3 Consulting Inc. (COM3) to shepherd the project through the State/Federal requirements associated with the HBP process.

Final drafting of the CalTrans bridge replacement grant is pending and coordination with Santa Barbara County for the project is needed. During the last two years, Gerald Comati of COM3 was initially selected per request by the County given his vast experience with CalTrans (and the County) and has been successfully performing tasks related to this effort ever since. The County is now ready to move forward with a grant submittal on this project. Attached as Exhibit 1 is COM3's Scope of Work (SOW) and Cost Proposal, which outlines the necessary services needed to carry the effort through project initiation provided that a grant is awarded. A non-competitively bid justification is provided as Exhibit 2. Sufficient funds are available in the current FY 2016-17 approved budget to cover the proposed consultant fees. The recommendation is to transfer funds from two separate accounts within the FY16-17 budget to the Quiota Creek Crossing 8 account which currently has a zero fund allocation.

A summary of project expenditures to date plus estimated construction match (COMB administration and construction management) and CalTrans grant funding is provided in Table 1.

**Table 1:** Quiota Creek Crossing 8 expenditures to date plus estimated construction costs.

Expenditures	FY2014-15	FY2015-16	FY2016-17	Construction	
				Match	Grant
COM3 consultant fees (COMB)	\$4,080	\$9,690	\$24,200		
Estimated Cost Match for Admin/CM (COMB)				\$30,000	
Estimated Construction (Grant)					\$1,656,000
<b>COMB Sub-Total (all):</b>				<b>\$67,970</b>	
<b>Construction Total:</b>					<b>\$1,686,000</b>

**COMMITTEE STATUS:**

The Fisheries Committee has reviewed the COM3 SOW on 10/20/16 and forwards to the Board with a recommendation to approve.

**FINANCIAL IMPACT:**

Funding for COM3's services will come from transferring funds from the Technical Support for Grant Writing Account (6203) and the BO/FMP Implementation Account (6201), \$10,000 and \$14,200, respectively for a total of \$24,200, to the Quiota Creek Crossing 8 Account (6315).

**RECOMMENDATION:**

Board approves the COM3 proposal for services on the Quiota Creek Crossing 8 Bridge Replacement Project.

**LIST OF EXHIBITS:**

1. COM3 SOW and Cost Proposal for the Fish Passage Improvement Project, Quiota Creek Crossing 8.
2. Non-Competitively Bid Justification for COM3.



**EXHIBIT 1**

**com3 consulting**

1943 Grand Avenue  
Santa Barbara, CA 931013  
T: 805 962-0488  
F: 805 962-5209  
E: gerald@com3consulting.com

October 1, 2016

Timothy H. Robinson, Ph.D.  
Sr. Resources Scientist  
Cachuma Operation and Maintenance Board  
3301 Laurel Canyon Road  
Santa Barbara, CA 93105

Subject: **Quiota Creek Crossing 8 Bridge Replacement. FY1617.**

Dear Mr. Robinson:

Thank you for your continued support in COM3 Consulting to assist COMB in delivering the Quiota Creek Crossing 8 Bridge Replacement project. Attachment A is a Scope of Work and Attachment B is a Cost proposal for work anticipated during FY1617. If you have any question please contact me at 962-0488.

Sincerely,



Gerald Comati, P.E.  
President  
COM3 Consulting Inc.

GCC:gc  
Enclosures

## EXHIBIT 1



Timothy H. Robinson, Ph.D.  
Sr. Resources Scientist  
Cachuma Operation and Maintenance Board  
3301 Laurel Canyon Road  
Santa Barbara, CA 93105

**Quiota Creek Crossing 8 Bridge Replacement. October 2016**

**ATTACHMENT A – SCOPE OF WORK. FY1617**

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### **Introduction**

The Cachuma Operation and Maintenance Board (COMB) wishes to deliver a bridge replacement project at Quiota Creek Crossing 8. The project is eligible to be funded through the State/Federal Highway Bridge Program (HBP) and COMB is interested in securing the services of COM3 Consulting to shepherd the project through the State/Federal requirements/process associated with the HBP. COMB has secured HDR Inc. for bridge design services. Below is a Scope of Work for Gerald Comati of COM3 Consulting for the effort anticipated during FY16-17.

### **SCOPE OF WORK (FY16-17)**

#### **A. General Ongoing Services**

1. Prepare and maintain implementation plan, budget and project schedule.
2. Coordination with Caltrans District 5 Local Assistance, County of Santa Barbara and COMB.

#### **B. Preliminary Engineering Services**

3. Assist COMB with review and approval of Professional Services Agreement between COMB and County.
4. Attend Field Review Meeting with Caltrans, COMB and County.
5. Work with Caltrans to define scope of Environmental Review required based on Field Review Meeting.
6. Prepare Request for Authorization (RFA) to Proceed for Preliminary Engineering (PE) and submit to Caltrans. Coordination with Caltrans to secure approval to proceed with PE (Design and Environmental).
7. Prepare Requests for Qualifications (RFQ) for Preliminary Engineering and Environmental Services.
8. Review and provide recommendations to COMB on selection of consultants.
9. Assist COMB in negotiating consultant, scope cost and schedule.
10. Ensure all Federal requirements and provisions are included in consultant contracts and scopes.
11. Assist COMB in managing Consultant contracts.
12. Coordination with Caltrans and County regarding environmental review and approvals.
13. Ensure CEQA and NEPA approvals.

## EXHIBIT 1



Timothy H. Robinson, Ph.D  
Sr. Resources Scientist  
Cachuma Operation and Maintenance Board  
3301 Laurel Canyon Road  
Santa Barbara, CA 93105

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### ATTACHMENT A – SCOPE OF WORK

#### **B. Design, Right of Way and Permitting**

14. Prepare Request for Authorization (RFA) to Proceed for Right of Way and submit to Caltrans. Coordination with Caltrans to secure approval to proceed with right of way.
15. Assist COMB as needed, to interface with Resource Agencies and secure all permits.
16. Assist COMB, as needed, to interface with property owners and define right of way needs.
17. Assist COMB and RW consultants in acquiring all right way need for project.

**EXHIBIT 1**



Mr. Timothy Robinson, Ph.D., Sr. Resources Scientist  
 Cachuma Operation and Maintenance Board  
 3301 Laurel Canyon Road  
 Santa Barbara, CA 93105

**ATTACHMENT B - COMPENSATION. FY1617**

Services Provided By: Gerald Comati, PE. Principal.  
 Hourly Rate (\$/hr): \$170.00

**Labor:**

Task		Hours	Budget
<b>A</b>	<b>General Management.</b>		
	Cost/Budget maintenance and scheduling.	30	5,100
	Coordination with COMB, Caltrans and County.		
<b>B</b>	<b>Preliminary Engineering Services</b>		
	Review and approval of Professional Services Agreement between COMB and County.	70	11,900
	Field Review Meeting with Caltrans, COMB and County.		
	Define scope of Environmental Review required based on Field Review Meeting.		
	Request for Authorization (RFA) to Proceed for Preliminary Engineering (PE) and coordination with Caltrans to secure approval.		
	Prepare Requests for Qualifications (RFQ) for Preliminary Engineering and Environmental Services.		
	Review and provide recommendations to COMB on selection of consultants.		
	Assist COMB in negotiating consultant, scope cost and schedule.		
	Ensure all Federal requirements and provisions are included in consultant contracts and scopes.		
Assist COMB in managing Consultant contracts.			
Coordination with Caltrans and County regarding environmental review and approvals.			
Ensure CEQA and NEPA approvals.			
<b>C</b>	<b>Design, Right of Way and Permitting</b>		
	Prepare Request for Authorization (RFA) to Proceed for Right of Way and coordination with Caltrans to secure approval.	40	6,800
	Assist COMB as needed, to interface with Resource Agencies and secure all permits.		
	Assist COMB, as needed, to interface with property owners and define right of way needs.		
Assist COMB and R/W consultants in acquiring all right way need for project.			
<b>Total</b>		<b>140</b>	<b>\$23,800</b>

**Expenses:**

Description	Budget
1. Reproduction Costs.	100
2. Travel (all cost related to travel and car mileage reimbursement rate of 0.5 \$/mile.	200
3. Miscellaneous Expenses.	100
<b>Total - Expenses</b>	<b>\$400</b>

<b>Total Contract</b>	<b>\$24,200</b>
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## **EXHIBIT 2**

### **Quiota Creek Crossing 8 Project Consulting Services**

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

**To:** Cachuma Operation and Maintenance Board

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

**Contract:** Procurement of consulting services with COM3 for the CalTrans State/Federal Highway Bridge Replacement grant application for the Quiota Creek Crossing 8 Project.

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

#### **A. Factors of Consideration**

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

Santa Barbara County (County) requested that we contract with Gerald Comati of COM3 to provide technical and grant writing support for the Quiota Creek Crossing 8 CalTrans State/Federal Highway Bridge Replacement Grant application given his significant experience working with CalTrans and multiple branches of the County.

Factors determining that conclusion are as follows:

- Mr. Comati has extensive experience working closely with CalTrans and the County.
- The County requested that we contract this specific consultant given his previous experience.
- COM3 has been successfully providing consulting services previously approved for this project for two years which provides beneficial and legacy project knowledge.
- The product and professionalism of Mr. Comati has been exceptional.

**2. *What are the consequences of not having this NCB approved?***

- COMB would have to seek County approval of other potential consultants.
- Valuable time would have to be allocated for the new consultant to gather required historical knowledge to move the documentation and project forward.

**3. *How will your agency ensure adequate planning to prevent submittal of NCB's for goods or services that should have been competitively bid?***

- We are tied to the lead agency in this project, the County, who would have to provide a list of acceptable consultants for these required services.

#### **B. Price Analysis**

**1. *How was the price offered determined to be fair and reasonable?***

COMB

## **EXHIBIT 2**

- Due to the County's request for this specific consultant, COMB is unaware if the County had conducted a price comparison for these consulting services.

**2. *Describe any cost savings realized or costs avoided by acquiring the goods/services from this supplier.***

- Maintaining consistency in consulting services is a considerable cost savings due to no downtime required to get up to speed with the procedural and documentation sequence as well as contacts within various organizations.
- COMB staff time would not be required to work with the County in obtaining an acceptable list of consultants.

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	October 24, 2016
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

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**SUBJECT:** Hilton Creek USGS Flow and Water Quality Gauge – Relocation and Additional Gauge

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**SUMMARY:**

As part of an implementation requirement of the 2000 Biological Opinion, COMB has contracted the U.S. Geological Survey (USGS) since 2002 to install, maintain and provide data from a stream gauge on Hilton Creek that records stream discharge (flow) and water quality (temperature, dissolved oxygen concentration and specific conductance). This is one of multiple USGS gauges that COMB funds to gather data and monitor conditions in support of the steelhead fishery throughout the Lower Santa Ynez River (LSYR) drainage. It is of significant value to have a third party (USGS) to conduct this monitoring to eliminate any question of the validity of the reported results. The annual USGS fees (calendar year) for the current and last five years for all of those gauges are shown in Table 1 that are paid for through revenues from the Betterment Fund by agreement with the County of Santa Barbara.

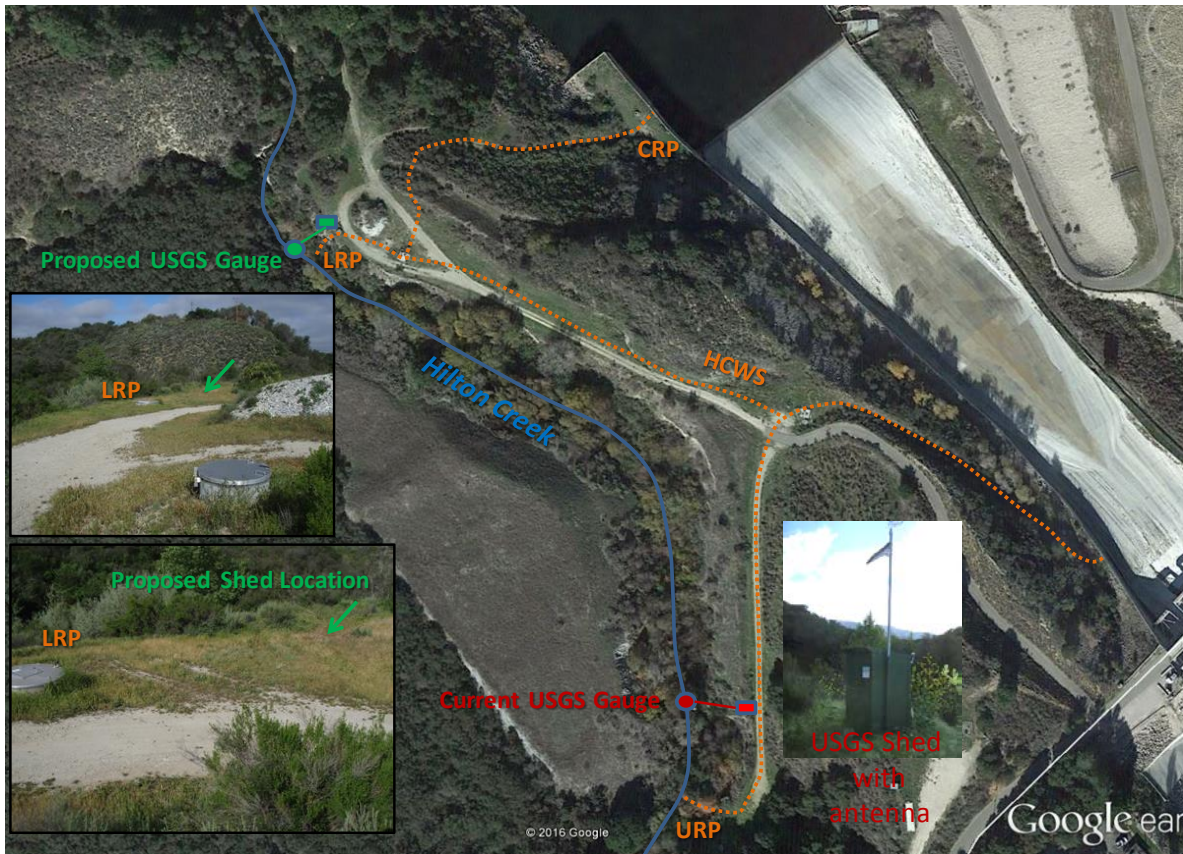
**Table 1:** Annual fees for USGS gauging services.

	2013	2014	2015	2016	2017
<b>Annual Fees</b>	\$74,150	\$74,150	\$75,000	\$78,100	\$80,650

The cost for operation and maintenance (O & M) for the Hilton Creek gauge in 2017 is \$27,600 which includes stream discharge and water quality monitoring, telemetry for real-time data observation and monthly aggregate reporting with all other USGS gauging stations within the LSYR basin. The current gauging location is just downstream of the Upper Release Point (URP) and is presently in a dry section of the creek (Figure 1). Due to the ongoing drought, U.S. Bureau of Reclamation (USBR) for a year now has been conducting required releases to Hilton Creek through the Lower Release Point (LRP), downstream of the current Hilton Creek USGS gauge. Upon the switch from the ULP to the LRP, COMB staff requested permission from USBR to move the USGS gauge below the LRP. USBR reviewed the COMB proposal, requested that a stage only (stream height) gauge be maintained at the current location for URP flow monitoring, accepted the new gauging location and initiated a lengthy NEPA review process that was finally approved on 9/12/16.

The proposed modifications to USGS Hilton Creek monitoring is needed as we cannot currently observe real-time flow and water quality changes in the creek to track and record conditions for compliance requirements with the Biological Opinion (BO). In the absence of the USGS gauge tracking flow conditions in Hilton Creek, COMB staff has had to install multiple instruments to record stream stage and water quality that are downloaded twice a week, compiled in a data report and sent out to the Adaptive Management Committee (AMC) that was previously accomplished through web access to the USGS Hilton Creek gauge for real-time observation. In addition, USGS provides text alerts if stream conditions change from a set criterion and is how staff was informed in a timely manner past flow interruptions to Hilton Creek that initiated mobilization of the Fish Rescue Team and greatly reduced fish mortalities in the creek. These proposed modifications to USGS stream monitoring will activate previous and valuable monitoring as well as vastly reduce COMB staff monitoring and reporting time (estimated at three-quarters of a reduction in time) that is currently being done.





**Figure 1:** Proposed relocation/reconfiguration of the USGS Hilton Creek gauging infrastructure.

USGS provided the following cost estimate for the proposed additional monitoring of Hilton Creek:

- \$17,550 to relocate the current and create a new Hilton Creek gauge downstream of the LRP utilizing COMB staff assistance as well as install a stage only gauge downstream of the URP, and
- \$8,600 for the additional annual fee for O & M of the new stage only gauge.

**COMMITTEE STATUS:**

The Fisheries Committee reviewed the proposal on 10/20/16 and has recommended it for Board approval.

**FINANCIAL IMPACT:**

Installation of the proposed modifications for required Hilton Creek monitoring will be \$17,550 for materials and labor with an additional \$8,600 annual fee for O & M for the new site. Funding for the project will come from BO/FMP Implementation (Account 6201).

**RECOMMENDATION:**

Approve the proposed expenditures for the relocation/reconfiguration and annual fee of the USGS Hilton Creek gauging infrastructure.





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.”*

October 24, 2016

## **General Manager Report**

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

### Cachuma Project Member Unit Managers Meeting

The Cachuma Member Unit Managers meeting is hosted monthly by the Santa Barbara County Water Agency and was held on Wednesday, October 5, 2016. The agenda topics included discussions on the remaining supply in the lake, the Member Unit planned supply and demand projections, upcoming contract renewal process, yield study and assumptions, CCWA pipeline extension, and a briefing related to the presentation on October 4<sup>th</sup> to the County Board of Supervisors regarding water supply conditions.

The County Water Agency hired former Carpinteria Valley Water District General Manager, Charles Hamilton, in an extra help capacity to assist with the upcoming contract renewal process. Mr. Hamilton was present at the meeting and briefly outlined a conceptual approach to the renewal process which would include collaborative meetings with all of the Cachuma Project Member Agencies and targeted discussions on identified goals and objectives for guidance through formal negotiation sessions. Mr. Hamilton is currently gathering information for the process and will be conducting meetings with stakeholders accordingly.

### CCWA Steering Committee Meeting

A first time steering committee meeting was hosted at CCWA on October 13<sup>th</sup> following the water purveyors meeting and included attendance by representatives from the County Water Agency, the County Parks Department, the Bureau of Reclamation, the South Coast Water Agencies and COMB staff. The purpose of the meeting was to discuss long term alternatives for the CCWA pipeline delivering state/supplemental water to the lake. Dan Ellison, HDR Engineering, Inc. made a presentation to the group which also included information pertaining to long term alternatives for the Emergency Pumping facilities pipeline currently leased by COMB. A project description has been developed by HDR and will be presented to Reclamation for drought funding consideration. The steering committee will meet over the next several weeks to advance the discussion on approach and alternatives for the project(s).

### Financial

- Audit Fieldwork

The annual fieldwork for the fiscal year 2015-16 COMB financial audit conducted by Bartlett Pringle Wolf, LLC took place as scheduled the week of October 3<sup>rd</sup>. A follow-up day of fieldwork is scheduled for the first week of November for continued review and principal compliance requirements. The review is currently underway and results of the audit will be presented to the Board during the December Board meeting. Unexpended funds identified through the audit process will be presented to the Board for approved designation of use.

Operations Division Activities

- Drought Emergency Pumping Facility Project (EPFP)

The EPFP is currently operating in approximately 31' of lake depth with average flows of 16 mgd for the month of October and two to three pumps performing at approximately 90% capacity. As of October 21st, lake storage was 14,101 AF with a corresponding elevation of 646.49'. A brief power outage occurred on October 9<sup>th</sup> which caused a slight decrease in the rate of delivery to GWD while the system was incrementally brought back into operation. An incident report and pumping system start-up protocols were requested and have been provided by Cushman Contracting.

See Attachment (A) for Emergency Pumping Facility Project expenditure detail.

- Water Efficiency and Metering Analysis Project

Water Systems Optimization will conduct the kick-off meeting and scheduled site visits for the water efficiency and meter analysis project on Tuesday and Wednesday, October 25<sup>th</sup> and 26<sup>th</sup>. Staff has provided historical metering and accounting data and will guide the consultants through the physical system and administrative procedures for purposes of assessing and validating the accuracy of the water accounting and metering processes.

- Watershed Sanitary Survey

The draft 2016 Watershed Sanitary Survey Update Reports has been sent to all of the participating entities for review and comment. Summers Engineering Inc. anticipates completing and submitting the final report by November 1, 2016.

Fisheries Division Activities

The ongoing drought has taken a toll on conditions throughout the Santa Ynez River basin. Hilton Creek continues to be monitored weekly by the COMB biology staff with water quality reporting submitted to the Adaptive Management Committee. The low flows currently provided to Hilton Creek by Reclamations' pump operating in the stilling basin are sustaining the habitat condition within the creek.

Respectfully Submitted,

*Janet Gingras*

General Manager

# EMERGENCY PUMPING FACILITY PROJECT FY 2016/2017

Attachment A

AS OF: 9/30/2016

**FY 16/17 APPROVED BUDGET**

Emergency Pumping Facility Project

ACCT #6120

**\$ 1,846,250.00 Total Budget Approved FY 16/17**

FY 16/17 EMERGENCY PUMPING FACILITY PROJECT				
CONSULTANTS	BUDGET	EXPENDED	BALANCE	Description
Cushman Contracting	1,746,250.00	400,183.90	1,346,066.10	Construction - Phase II/Operations
HDR Engineering	100,000.00	26,177.03	73,822.97	Contract Management tasks
Musick, Peeler & Garrett	-	69.00	(69.00)	Legal costs
American Riviera Bank	-	7,045.23	(7,045.23)	Loan fees/Interest (CVWD/GWD/MWD)
Misc	-	-	-	Materials, supplies, Permits, etc.
Totals	\$ 1,846,250.00	\$ 433,475.16	\$ 1,412,774.84	

FY 15/16 EMERGENCY PUMPING FACILITY PROJECT				
CONSULTANTS	BUDGET	EXPENDED	BALANCE	Description
Cushman Contracting	2,219,250.00	1,954,734.86	264,515.14	Construction - Phase II/Operations
HDR Engineering	100,000.00	80,942.54	19,057.46	Contract Management tasks
PGE (Site 2)	150,000.00	107,880.35	42,119.65	PGE reconducting costs (6 mo's) (Eng)
PGE	240,000.00	-	240,000.00	PGE electrical costs (6 mo's)
Musick, Peeler & Garrett	-	13,662.00	(13,662.00)	Legal costs
American Riviera Bank	-	82,144.46	(82,144.46)	Loan fees/Interest (CVWD/GWD/MWD)
Misc	-	1,518.75	(1,518.75)	Materials, supplies, Permits, etc.
Totals	\$ 2,709,250.00	\$ 2,240,882.96	\$ 468,367.04	

FY 14/15 EMERGENCY PUMPING FACILITY PROJECT				
CONSULTANTS	BUDGET	EXPENDED*	BALANCE	Description
Cushman Contracting	3,818,000.00	3,842,509.46	(24,509.46)	Construction - Phase II/Operations
HDR Engineering	150,000.00	71,618.52	78,381.48	Contract Management tasks
Musick, Peeler & Garrett	-	22,609.00	(22,609.00)	Legal costs
PGE Construction	125,000.00	111,907.00	13,093.00	
PGE Monthly Costs	32,565.00	9,631.02	22,933.98	Electricity charges
PGE Monthly Costs	-	2,500.00	(2,500.00)	Deposit-pump station location #2 eng.
RMC Water & Environment	-	999.81	(999.81)	Prop 84, Grant Application support
Rodney Hunt-Fontaine	-	540.00	(540.00)	Stems/guides-cast/engineering
SY Band of Chumash	-	1,914.30	(1,914.30)	Field monitoring
Bank of Santa Barbara	-	60,120.92	(60,120.92)	Loan fees/Interest (CVWD/GWD/MWD)
Misc	-	1,214.97	(1,214.97)	Materials, supplies, Permits, etc.
Totals	\$ 4,125,565.00	\$ 4,125,565.00	\$ 0.00	

\*Participating Member Units were assessed Actual Expenditures only.

FY 13/14 DROUGHT CONTINGENCY-EMERGENCY PUMPING FACILITY PROJECT				
CONSULTANTS	BUDGET	EXPENDED	BALANCE	Description
Environ Strategy	60,000.00	9,191.50	50,808.50	Project Management Services
HDR Engineering	198,748.00	178,645.48	20,102.52	Develop proj def; assist w/RFO-RFP, etc
MPG - Environmental/Legal	50,000.00	80,622.32	(30,622.32)	Environmental / Legal fees
Permits	8,045.25	8,045.25	-	CDFW-\$4,912.25 / RWQCB-\$3,133
PG&E	7,000.00	7,000.00	-	On-going project electrical charges
Smith, Watts & Martinez	20,000.00	20,000.00	-	Lobbyist-drought relief funding
SYRWCD ID#1 (Stetson)	5,000.00	4,025.17	974.83	Work authorized by RW/TR
Miscellaneous	33,206.75	119.72	33,087.03	Non-Contract Incidental charges
Cushman Contracting	350,000.00	350,000.00	-	Phase I designs/mobilization/site prep
HDR Engineering	50,000.00	-	50,000.00	Project Management fees
Contractor	54,000.00	-	54,000.00	Evaluation of NP gates, stems, guides
Rodney Hunt-Fontaine	150,000.00	152,272.44	(2,272.44)	Stems for gates 1-5
PG&E	-	107,370.37	(107,370.37)	Electrical Installation contract
Totals	\$ 986,000.00	\$ 917,292.25	\$ 68,707.75	

COMBINED FY 13/14; 14/15; 15/16 & 16/17 Totals			
	BUDGET	EXPENDED	BALANCE
	\$ 9,667,065.00	\$ 7,717,215.37	\$ 1,949,849.63

## CACHUMA OPERATION AND MAINTENANCE BOARD

### MEMORANDUM

**DATE:** October 24, 2016  
**TO:** Janet Gingras, General Manager  
**FROM:** Dave Stewart, Operations Division Manager  
**RE: MONTHLY OPERATIONS DIVISION REPORT**

#### Operations

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 continually endeavors to improve the system, address deficiencies and identify items to be included in the Infrastructure Improvement Program (IIP).

#### Lake Cachuma Operations

The total flow from Lake Cachuma into the Tecolote Tunnel for September was 1584.9 acre-feet, for an average daily flow of 56.61 acre-feet. Lake elevation was 647.31 feet at the beginning of the month and 646.68 feet at the end. Storage change decreased 408 acre-feet. CCWA wheeled 1310.6 acre-feet of water to Cachuma Project facilities.

#### Operation and Maintenance Activities

COMB Staff regularly performs the following duties:

- Weekly Safety meetings
- Weekly Rodent Bait (all reservoirs)
- Weekly Toe Drain and Piezometer reads at Ortega (L23)
- Dam inspection and reports (all reservoirs)
- Structure maintenance per Work Plan
- USA Dig Alert – Responded as necessary to alerts
- Pesticide report to County of Santa Barbara
- Operational tests of generators at the North Portal and at Lauro Yard
- Inspection of fire extinguishers
- Read anodes and rectifier data
- Water samples taken at Lake Cachuma
- Clean up, Inspection, and tool Inventory of all vehicles
- Clean up and organize service yard and all buildings

### *Weekly Safety Meetings:*

The primary purpose of the weekly safety meetings is to continue educating staff on safe practices in the field and on-site. In the safety meetings, staff is urged to ask questions regarding the topic being discussed and to think of related examples. The discussion also includes how the incident could have been prevented. Regular safety meetings help staff to constantly be aware of safety practices while on the job. The following topics were reviewed this past month:

- ✓ Truck Crane Safety
- ✓ Dust Explosions
- ✓ E-Waste Handling

### COMB Operations Staff specifically performed the following activities:

- On September 22<sup>nd</sup>, in cooperation with Montecito Water District, the Asegra Lateral meter was removed and replaced.
- Quarterly meter calibrations of the Lauro Inflow, Sheffield South flow and the Ortega Outflow took place on October 13<sup>th</sup>.
- The pressure transducer which records the level of Carpinteria Reservoir was replaced during the previous month.
- Staff assisted the City of Santa Barbara video team to gather drone footage of Cachuma Lake, the Emergency Pumping Facility Barge and North Portal Intake Tower.
- CAL FIRE was on site 3 days performing brush clearing and weed abatement at Glen Annie Reservoir and Ortega Reservoir.
- Storm erosion and flood prevention maintenance took place at all applicable structure locations.
- Pampas grass was removed from the upstream slope of the Lauro dam face.
- Staff was onsite to ensure the safety of the conduit during potholing and construction activities at the Arroyo Burro Creek Restoration Project.
- Structure maintenance and exercising of all air vents and structures on the upper reach began October 19<sup>th</sup>.
- Operations department continually inspects all sites, reservoirs, and the South Coast Conduit for items to add to the IIP for future projects.

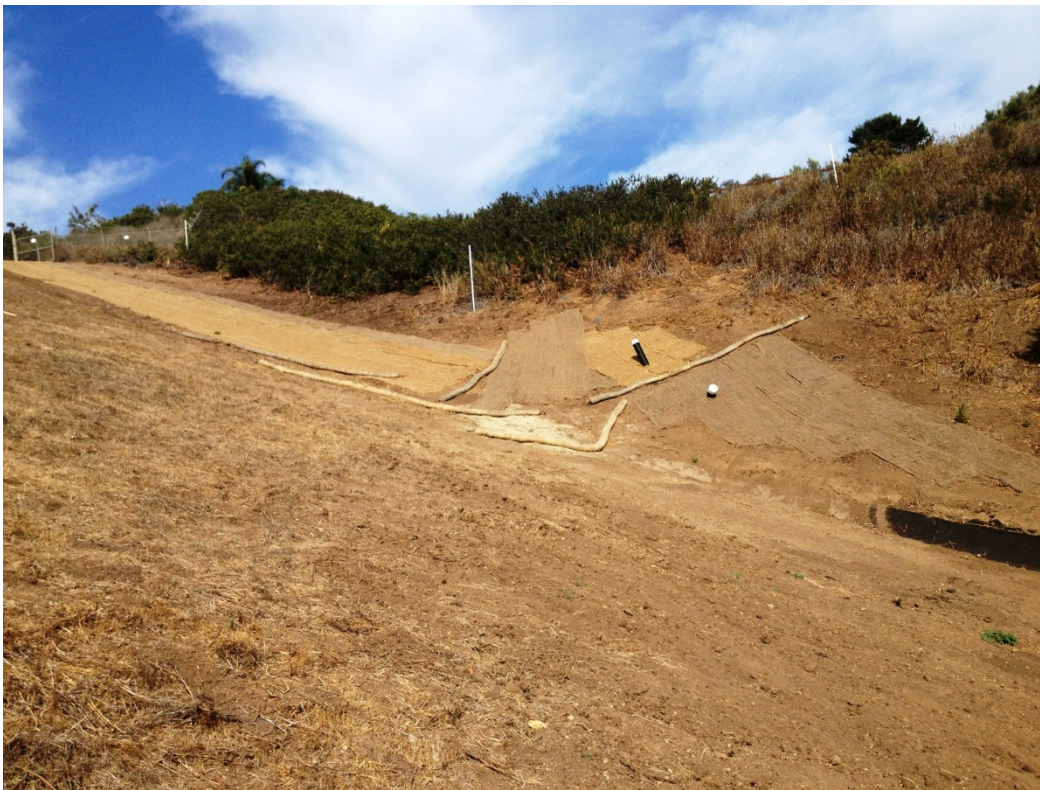
### Ongoing IIP projects include:

- Air Vacuum Air Release (AVAR) Valve and Blow-off Structure Rehabilitation & Replacement
- Lauro Stop Valve Replacement
- 2016 Watershed Sanitary Survey Update
- North Portal Access Road Rehabilitation
- North Portal Jet Flow Control Valve
- Lauro Tunnel Pipe Supports

**North Portal Jet Flow Valve Maintenance**



**Erosion Control at Ortega Reservoir**





**Erosion Control at Glenn Annie Turnout**





City of Santa Barbara Film Crew and Drone Operator





# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	October 24, 2016
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

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**SUBJECT:** Quiota Creek Crossing 0A Fish Passage Improvement Project, Update

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**SUMMARY:**

***Project Description:*** A 55-foot prefabricated bottomless arched culvert is planned to replace the current concrete low flow crossing at Quiota Creek Crossing 0A. The project will remove a fish passage barrier and open up unimpeded juvenile and adult fish passage for the endangered southern steelhead to NMFS designated critical habitat upstream.

***Project Location:*** The nearest town is Santa Ynez. Quiota Creek Crossing 0A is located off of Hwy 246 via Refugio Road 2 miles south of Hwy 246 on private property. No access is permitted to the public.

***Contractor:*** Peter Lapidus Construction (PLC); the construction contract who won the competitive bid, was issued a Notice to Proceed on 10/13/16 for \$315,970.

***Design Engineer:*** Michael Garelo, HDR Fisheries Design Center.

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

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

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

Status	Time
Notice to Proceed	10/13/2016
Construction start	10/13/2016
Contract Time (approximate to complete all work)	2 months
Completion Date (estimated)	12/15/2016
Number of construction work days (WD*) (expected)	44
Elapsed Time (WD)	7
Remaining Time (WDs to complete all work)	37
Time Elapsed to Date (%)	16%
*WD: Working Days.	

***Work Performed to Date:*** PLC has completed all clearing and grubbing, completely removed the concrete low flow crossing and culvert, excavated both foundations and is now forming the foundations. ConTech is fabricating the arch-bridge system at Bethlehem Construction in Wasco, CA; product delivery is expected during the 1<sup>st</sup> week of November. COMB and County engineers have been approving

engineering oversight for all phases of the construction. The pre-project condition (Figure 1) and current construction efforts (Figures 2-5) are presented as the Exhibits.

***Work Projected for Next Month:*** Complete forming and pour the foundations, install the bridge, complete all grading and installation of rock slope protections around the bridge foundations, then backfill the arch to allow for road construction.

**FINANCIAL IMPACT:**

A summary of the estimate and current project expenses will be provided in the November Board memo for this project.

**LEGAL CONCURRENCE:**

COMB legal counsel has reviewed and approved the project.

**ENVIRONMENTAL COMPLIANCE:**

All permits have been obtained and are being followed.

**COMMITTEE STATUS:**

The Fisheries Committee has reviewed and recommended to the Board to approve the project.

**RECOMMENDATION:**

For Board information only.

**LIST OF EXHIBITS:**

Construction photos:



**Figure 1:** Pre-project condition looking upstream.





**Figure 2:** Removal of the concrete low flow crossing along S. Refugio Road.



**Figure 3:** Excavations for the bridge foundations.





**Figure 4:** Preparing the sub-foundation for forming the foundations.



**Figure 5:** Arch construction at Bethlehem.

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	October 24, 2016
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

---

**SUBJECT:** Quiota Creek Crossing 4 Fish Passage Improvement Project, Update

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**SUMMARY:**

***Project Description:*** A 54-foot prefabricated bottomless arched culvert with four wing walls is planned to replace the current concrete low flow crossing at Quiota Creek Crossing 4. The project will remove a fish passage barrier and open up unimpeded juvenile and adult fish passage for the endangered southern steelhead to NMFS designated critical habitat upstream. The project will also improve road safety and accessibility for the landowners and the public along S. Refugio Road.

***Project Location:*** The nearest town is Santa Ynez. Quiota Creek Crossing 4 is located off of Hwy 246 via Refugio Road 4.5 miles south of Hwy 246. The road is closed at the project site.

***Contractor:*** Peter Lapidus Construction (PLC); the construction contract who won the competitive bid, was issued a Notice to Proceed on 9/30/16 for \$695,629.

***Design Engineer:*** Michael Garelo, HDR Fisheries Design Center.

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

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

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

Status	Time
Notice to Proceed	9/30/2016
Construction start	10/3/2016
Refugio Road closure	10/3/2016
Contract Time (approximate to complete all work)	2.5 months
Completion Date and Refugio Road reopened	12/15/2016
Number of construction work days (WD*) (expected)	54
Elapsed Time (WD)	15
Remaining Time (WDs to complete all work)	39
Time Elapsed to Date (%)	28%
*WD: Working Days.	

***Work Performed to Date:*** PLC has completed all clearing and grubbing, completely removed the concrete low flow crossing and culvert, excavated both foundations, formed and poured both foundations

and has begun stream grading and installing rock slope protections around the bridge foundations. ConTech is fabricating the arch-bridge system at Bethlehem Construction in Wasco, CA; product delivery is expected during the 1<sup>st</sup> week of November. COMB and County engineers have been approving engineering oversight for all phases of the construction. The pre-project condition (Figure 1) and current construction efforts (Figures 2-7) are presented as the Exhibits.

***Work Projected for Next Month:*** Install the bridge, finish all streambed construction, and backfill the arch and wing-walls to allow for road construction.

**FINANCIAL IMPACT:**

A summary of the estimate and current project expenses will be provided in the November Board memo for this project.

**LEGAL CONCURRENCE:**

COMB legal counsel has reviewed and approved the project.

**ENVIRONMENTAL COMPLIANCE:**

All permits have been obtained and are being followed.

**COMMITTEE STATUS:**

The Fisheries Committee has reviewed and recommended to the Board to approve the project.

**RECOMMENDATION:**

For Board information only.

**LIST OF EXHIBITS:**

Construction photos:



**Figure 1:** Pre-project condition looking upstream.





**Figure 2:** Removal of the concrete low flow crossing along S. Refugio Road.



**Figure 3:** Excavations for the bridge foundations.





**Figure 4:** Foundation rebar placement.



**Figure 5:** Pouring the foundations.





**Figure 6:** Completed foundations.



**Figure 7:** Arch construction at Bethlehem.

# CACHUMA OPERATION AND MAINTENANCE BOARD

## BOARD MEMORANDUM

**DATE:** October 24, 2016  
**TO:** Janet Gingras, General Manager  
**FROM:** Tim Robinson, Fisheries Division Manager  
**RE: MONTHLY FISHERIES DIVISION REPORT**

### HIGHLIGHTS:

- Water delivery to Hilton Creek continues to be successfully conducted by USBR through a submersible pump in the Stilling Basin that is pumping water to the Lower Release Point of Hilton Creek through the Hilton Creek Watering System with acceptable water quality conditions for the Hilton Creek *O. mykiss* population.
- The Long Pool downstream of the Stilling Basin and Bradbury Dam has been drying up due to the ongoing drought and no dam releases. A fish rescue was conducted on 10/20/16 with no *O. mykiss* captures, only a variety of non-native fish.
- Quiota Creek Crossing 4 and Crossing 0A construction started on 10/3/16 and 10/13/16, respectively.

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 Cachuma Project Biology Staff (CPBS) 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 CPBS since the last COMB Board Fisheries Division Report that has been broken out by categories.

### LSYR Steelhead Monitoring Elements:

**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, normally from April through December 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.

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

**Hilton Creek Releases from a Submersible Pump placed in the Stilling Basin to the Lower Release Point:** U. S Bureau of Reclamation (USBR) continues to provide flows to Hilton Creek through an USBR installed small submersible pump on the south side of the

Stilling Basin that is connected to the Chute Release Point of the Hilton Creek Watering System and allows water to be pumped directly to the Lower Release Point of Hilton Creek. The system continues to successfully provide just enough water to sustain the remaining population of *Oncorhynchus mykiss* (*O. mykiss*) in Hilton Creek. Water quality conditions in Hilton Creek are being monitored at several locations and reported weekly to the Adaptive Management Committee.

### **Tributary Project Updates:**

**Quiota Creek Crossing 0A:** COMB received a 2014 CDFW-FRGP Grant for \$671,635 with a landowner construction match of \$50,000. The project and funding was discussed at the 3/1/16 Fisheries Committee and the COMB Board accepted the grant on 3/23/15. Staff and HDR have met several times with the two landowners associated with the project. The downstream landowner at Crossing 0A is in full agreement with the project and designs whereas the upstream landowner at Crossing 0B has declined the project. All resources have now been shifted to Crossing 0A which we plan to construct this fall 2016 pending design approval and acquiring permits. The COMB Board approved the project through Resolution 612 on 5/23/16. The project broke ground on 10/13/16 and a separate Board memo has been prepared with further detail.

**Quiota Creek Crossing 4:** COMB was awarded a 2015 CDFW-FRGP Grant on 3/30/15 for \$938,295 with a COMB construction match of \$50,000. The project and funding was discussed at the 3/1/16 Fisheries Committee and accepted by the COMB Board on 3/28/16. The COMB Board approved the project through Resolution 613 on 6/27/16. Designs have been submitted to the County and CDFW-NMFS for final approval. The project broke ground on 10/3/16 and a separate Board memo has been prepared with further detail.

**Quiota Creek Crossing 5:** As discussed and recommended by the COMB Board on 3/7/16, staff submitted a 2016 CDFW-FRGP Grant on 3/11/16 for \$893,287 with a COMB construction match of \$50,000. If funded, the project would most likely be built in the fall of 2017 pending design approval and permit acquisition.

**Quiota Creek Crossing 8:** This project and the required Cooperative Agreement with the County was discussed at the 5/4/16 Fisheries Committee meeting with approval by the Board on 5/23/16 to move forward with the project and the Cooperative Agreement. The County Board of Supervisors approved the Cooperative Agreement on 7/12/16. With a fully executed Cooperative Agreement, the County can then submit a CalTrans grant application to fund the project which should go out within a month. The announcement of grant awards will be expected within a few months after the grant is submitted.

**Salsipuedes Creek – Jalama Road Fish Ladder:** There has been no action on the suggested repairs to this project

**El Jaro Creek – Cross Creek Ranch Fish Passage Facility:** There has been no action on the suggested repairs to this project

### **Hilton Creek Watering System (HCWS) Repairs and Upgrades plus the Hilton Creek Emergency Backup System (HCEBS)**

The HCWS and HCEBS are owned, operated and maintained by USBR. The HCEBS was completed at the end of January 2016. An additional contract modification (Mod-005) is in process to have the contractor install security fencing and lighting for the HCEBS. With this system fully

operational, USBR can now work on identified repairs to the HCWS which will be scheduled at some point. No work or maintenance has been conducted by USBR on either of these water delivery systems this past month.

**Surcharge Water Accounting**

The following table summarizes the amount of Surcharge water used to date from each of the three accounts at the end of last month (Table 1). All numbers come from USBR's Daily Operations Report. The start time for the use of the Surcharge Water Accounts was 5/27/11, or the last day of full surcharge. As of May 2012, all of the Fish Rearing Account waters have been used and USBR is now using Project Yield to meet BiOp target flows. A WR 89-18 release began on 7/15/13 and ended on 12/2/13, another began on 8/18/14 and ended on 11/11/14, another began on 8/3/15 and ended on 9/26/15, and the 2016 WR 89-18 release started on 7/12/16. 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. What remains of the AMA is 351 acre-feet. There have been no releases from the Fish Passage Supplementation Account (FPSA). Determination of critical drought and the associated accounting and possible usage of the AMA and FPSA have not been finalized and approved by NMFS hence is not reflected in Table 1. No fish water during September was debited to any account due to extraction from the Stilling Basin below the dam and release to Hilton Creek below the dam.

**Table 1:** Summary of the surcharge water accounting and use of Project Yield.

<b>Accounts*</b>	<b>Allocation</b>	<b>Amount Used**</b>	<b>Amount Remaining</b>
<b>Units:</b>	<b>(acre-feet)</b>	<b>(acre-feet)</b>	<b>(acre-feet)</b>
<b>Fish Passage Supplementation</b>	3,200	0	3,200
<b>Adaptive Management</b>	500	149	351
<b>Fish Rearing***</b>	5,484	5,484	0
<b>Project Yield</b>		15,022	
<b>Total:</b>	9,184	20,655	3,551
* Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013.			
** Values as of 9/30/16.			
*** This water is for meeting required target flows. This is not an official account and is what remains after subtracting the other two accounts.			

**Reporting / Outreach / Training**

**Reporting:** Staff continues to work on the Annual Monitoring Reports. Staff has been providing information to USBR as requested in support of the recent Adaptive Management Committee meetings and operations requests.

**Outreach and Training:** Staff continues to work with Quiota Creek and Salsipuedes Creek watershed landowners, interested parties within the Santa Ynez Valley and the County on a variety of fisheries related issues.

**Consultant Activity Summary:**

**HDR Fisheries Design Center** (Mike Garello) – Design, reporting and oversight work for the Quiota Creek Crossings 0A, 4, 5 and 8 projects.

**ICF** (Jean Baldrige) – BiOp compliance tasks and support.

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	October 24, 2016
Submitted by:	Tim Robinson and Scott Volan
Approved by:	Janet Gingras

**SUBJECT:** Lake Cachuma Oak Tree Restoration Program

**SUMMARY:**

***Maintenance***

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since January, 2016 to the present (1/1/16 – 10/19/16, Table 1). Labor and expenses for the entire fiscal year (July 2016 - June 2017) as well as water usage will be tracked separately but not reported as recommended by the COMB Board 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 inventory of all trees planted has been presented to the Lake Cachuma Oak Tree Committee at its 2/25/16 meeting as well as the 2015 Lakeshore Survey, which sets the mitigation number for 2015. Both the 2014 Annual Report and 2015 Lakeshore Survey have been completed and distributed to the COMB Board.

**Table 1:** Cachuma Oak Tree Program completed tasks since January, 2016.

	Jan 2016	Feb 2016**	March 2016	April 2016	May 2016	June 2016	July 2016	Aug 2016	Sept 2016	Oct 2016
<b>Year 8 Oaks (2015-2016)</b>	New Trees	New Trees	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated
	Gopher Baskets	Gopher Baskets	Weeded		Weeded	Weeded	Weeded	Weeded	Weeded	Weeded
	Fert/Comp	Fert/Comp								
	Deer Cages	Deer Cages								
	Mulch/Irrigated	Mulch/Irrigated								
<b>Year 7 Oaks (2014-2015)</b>		Weeded	Irrigated	Irrigated		Irrigated	Irrigated	Irrigated	Irrigated	Irrigated
		Mulched	Mulched	Weeded		Weeded	Weeded	Weeded	Weeded	Weeded
			Weeded			Mulched	Mulched			
<b>Year 6 Oaks (2010-2011)</b>					Irrigated					
					Weeded					
<b>Year 5 Oaks (2009-2010)</b>								Irrigated		
								Weeded		
<b>Year 4 Oaks (2008-2009)</b>			Cage maint.		Irrigated					
<b>Year 3 Oaks (2007-2008)</b>			Cage maint.		Irrigated					
<b>Year 2 Oaks (2006-2007)</b>					Irrigated					
<b>Year 1 Oaks (2005-2006)</b>						Irrigated	Irrigated			

\*\*February work included Year 8 oak tree inventory.

The Fisheries Division continues to focus on irrigating the newer Year 7 and Year 8 trees at Bradbury Dam and Storke Flat. Two separate watering crews are being used to facilitate faster turnaround times between

watering. Once the current Year 7 and Year 8 watering round is completed, which is expected towards the end of October, crews will begin a fall watering regime on the older age classes of oak trees. Staff continues to hand weed and apply supplemental mulch to trees during watering activities.

Staff has been collecting native acorns from healthy, mature coast live oaks and valley oaks the past few weeks to facilitate the planting of additional trees in the future.

**RECOMMENDATION:**

For Board information only.

**LIST OF EXHIBITS:**

N/A





**15-16 ENTITLEMENT**

**CACHUMA OPERATION AND MAINTENANCE BOARD  
WATER PRODUCTION AND WATER USE REPORT  
FOR THE MONTH OF SEPTEMBER 2016 AND THE WATER YEAR TO DATE**

**Revised**

(All in rounded Acre Feet)

	<b>MONTH</b>					<b>YTD</b>
	<b>TOTAL</b>					<b>TOTAL</b>
<b>WATER PRODUCTION:</b>						
Cachuma Lake (Tec. Diversion)					1,585	15,518
Tecolote Tunnel Infiltration					70	882
Cachuma Lake (County Park)					2	23
State Water Diversion Credit					957	7,712
Bishop Ranch Diversion					0	100
Meter Reads					620	7,825
So. Coast Storage gain/(loss)					44	52
<b>Total Production</b>					<b>1,657</b>	<b>16,422</b>
<b>Total Deliveries</b>					<b>1,620</b>	<b>15,688</b>
Unaccounted-for					37	734
% Unaccounted-for					2.24%	4.47%
	<b>GWD</b>	<b>SB CITY</b>	<b>MWD</b>	<b>CVWD</b>	<b>SYRWCD</b>	<b>TOTAL</b>
					<b>I.D. #1</b>	
<b>WATER USE:</b>						
M&I	0	492	49	22	2	566
Agricultural	0	0	33	31	0	64
	<b>0</b>	<b>492</b>	<b>82</b>	<b>53</b>	<b>2</b>	<b>630</b>
Unaccounted Reconciliation~						
M&I	0	14	8	3	0	25
Agriculture	2	0	6	4	0	12
Total Unaccounted	2	14	14	7	0	37
<b>Total for Month</b>	<b>2</b>	<b>506</b>	<b>96</b>	<b>60</b>	<b>2</b>	<b>667</b>
Same Mo/prev. yr	673	687	156	165	3	1,684
M&I Yr to date	1,034	3,058	2,271	467	23	6,854
Ag. Yr to date	440	0	273	649	0	1,362
<b>TOTAL YTD</b>	<b>1,474</b>	<b>3,058</b>	<b>2,544</b>	<b>1,116</b>	<b>23</b>	<b>8,216</b>
USAGE % YTD	75.4%	80.9%	80.9%	100.0%	57.4%	81.7%
<b>Previous Year/YTD</b>	<b>3,943</b>	<b>2,764</b>	<b>156</b>	<b>736</b>	<b>24</b>	<b>7,623</b>
Evaporation #	63	161	85	7	3	319
Evaporation, YTD	160	501	278	49	9	997
Entitlement ***	0	0	0	0	0	0
Carryover	2,168	4,399	3,486	1,165	56	11,274
Carryover Balances Spilled YTD	0	0	0	0	0	0
Surplus^^	0	0	0	0	0	0
State Water Exchange^	0	0	0	0	0	0
Unaccounted Credit (SWP report)	27	102	10	0	0	139
Transfers/Adjustment ****	0	297	(297)	0	0	0
Passthrough H2O**	0	0	0	0	0	0
<b>TOTAL AVAILABLE</b>	<b>2,168</b>	<b>4,399</b>	<b>3,486</b>	<b>1,165</b>	<b>56</b>	<b>11,274</b>
<b>REMAINING BALANCE</b>	<b>561</b>	<b>1,239</b>	<b>377</b>	<b>(0)</b>	<b>24</b>	<b>2,200</b>
Percentage Remaining	26%	28%	11%	0%	43%	20%

\*\*\* Per USBR advisory letter dated 7/2/2015 to SB County, zero (0) af entitlement allocated.

\*\* City is operating under pass through mode declared November 2008.

State Water Deliveries to Lake Cachuma for August were: MWD 250 AF; CVWD 225 AF  
GWD 460 AF (Morehart 4 AF); City of S.B. 311 AF; and LaCumbre 60 AF; (Ratheon 0 AF).

^ Per SWP Exchange Agrmt GWD received 0 AF; MWD received 0 AF;  
City of SB received 0 AF; and CVWD received 0 AF from ID#1 in September 2016.

# Per USBR email dated 12/23/2015, evap charged to unallocated water until unallocated water is exhausted.

Unallocated water was exhausted during the month of July 2016. Prorated evaporation applied.

\*\*\*\* MWD transfer 297.44af CO to City per Juncal Agreement/GWD transfer 170.64af SWP to City per overlap agreement

~ Reconciliation of unaccounted water - (September 37 AF) See Unaccounted Allocation Worksheet



**Unaccounted-for Water Allocations  
SEPTEMBER 2016**

<b>Acres-feet (AF)</b>	
<b>Total Unaccounted-for Water:</b>	37

Lauro Reservoir Evaporation (LE):	9.0
Cater Treatment Plant Loss (CTPL):	0.9
Ortega Toe Drain Loss (OTD):	1.0
<b>Total Identified Loss:</b>	<b>10.9</b>

<b>Pipeline Loss (PL) Remaining (AF):</b>	26.1
---	------

Pipeline Loss (PL) by Use Area:		
Use Area	% System Capacity	Pipeline Loss (AF)
Use Area 1	9%	2.3
Use Area 2	64%	16.7
Use Area 3	5%	1.3
Use Area 4	22%	5.7
<b>Total</b>	<b>100%</b>	<b>26.1</b>

Use Area 1			
Agency	Deliveries (AF)	DEL %	Loss (AF)
GWD	613.37	39%	0.9
City	485.75	31%	0.7
MWD	321.61	20%	0.5
CVWD	153.5	10%	0.2
<b>Total</b>	<b>1574.23</b>	<b>100%</b>	<b>2.3</b>

Use Area 3			
Agency	Deliveries (AF)	DEL %	Loss (AF)
City	149.2	24%	0.3
MWD	321.61	52%	0.7
CVWD	153.5	25%	0.3
<b>Total</b>	<b>624.31</b>	<b>100%</b>	<b>1.3</b>

Delivery & Use Amounts (AF)	
GWD Metered Deliveries	556.09
Overlap Amount	57.28
City Metered Deliveries	543.03
Sheffield Pump Stn Production	149.2
MWD Metered Deliveries	321.61
CVWD Metered Deliveries	153.5
<b>Total Lauro/Cater Use (AF):</b>	<b>1018.14</b>

Use Area 2			
Agency	Deliveries (AF)	DEL %	Loss (AF)
GWD	57.28	6%	0.9
City	485.75	48%	8.0
MWD	321.61	32%	5.3
CVWD	153.5	15%	2.5
<b>Total</b>	<b>1018.14</b>	<b>100%</b>	<b>16.7</b>

Use Area 4			
Agency	Deliveries (AF)	DEL %	Loss (AF)
MWD	321.61	68%	3.9
CVWD	153.5	32%	1.9
<b>Total</b>	<b>475.11</b>	<b>100%</b>	<b>5.7</b>

Lauro & Cater Loss (LE + CTPL) = 9.9 AF		
Agency	% of Loss	Loss (AF)
GWD	6%	0.6
City	48%	4.7
MWD	32%	3.1
CVWD	15%	1.5

**SUMMARY: UNACCOUNTED-FOR WATER ALLOCATIONS**

	Lauro & Cater Loss (LE + CTPL)	Ortega Toe Drain (OTD)	Use Area 1	Use Area 2	Use Area 3	Use Area 4	Total (AF)	Rounded Total (AF)
GWD	0.6	0.0	0.9	0.9	0.0	0.0	2.4	2
City	4.7	0.0	0.7	8.0	0.3	0.0	13.7	14
MWD	3.1	0.5	0.5	5.3	0.7	3.9	13.9	14
CVWD	1.5	0.5	0.2	2.5	0.3	1.9	6.9	7
<b>Total</b>	<b>9.9</b>	<b>1.0</b>	<b>2.3</b>	<b>16.7</b>	<b>1.3</b>	<b>5.7</b>	<b>37.0</b>	<b>37</b>

# CACHUMA OPERATION AND MAINTENANCE BOARD

## WATER STORAGE REPORT

MONTH: **September 2016**

### GLEN ANNIE RESERVOIR

Capacity at 385' elevation:	518	AF
Capacity at sill of intake at 334' elevation:	21	AF
Stage of Reservoir Elevation	333.00	Feet
Water in Storage	21.82	AF

### LAURO RESERVOIR

Capacity at 549' elevation:	600	AF
Capacity at sill of intake at 512' elevation:	84.39	AF
Stage of Reservoir Elevation	548.30	Feet
Water in Storage	583.04	AF

### ORTEGA RESERVOIR

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	449.00	Feet
Water in Storage	25.98	AF

### CARPINTERIA RESERVOIR

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	376.00	Feet
Water in Storage	25.69	AF

### TOTAL STORAGE IN RESERVOIRS

Change in Storage	634.70	AF
	44.02	AF

### CACHUMA RESERVOIR\*

Capacity at 750' elevation:	184,121	AF
Capacity at sill of tunnel 660' elevation:	24,281	AF
Stage of Reservoir Elevation	646.68	Feet
Water in Storage	14,222	AF
Surface Area	637	
Evaporation	480.5	AF
Inflow	348.9	AF
Downstream Release WR8918	0.0	AF
Fish Release (Hilton Creek)	0.0	AF
Outlet	0.0	AF
<b>Spill/Seismic Release</b>	0	AF
State Project Water	1308.2	AF
Change in Storage	-408	AF
Tecolote Diversion	1,584.9	AF

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

Contract Year: 10/1/15 to: 9/30/16

Contract Entity: Carpinteria Valley Water District  
 Last updated by C.O.M.B. 9/30/16

Month	Approved Schedule Current Year		Carryover Previous Year	TOTAL WATER USED				WATER USED CHARGED TO CARRYOVER BALANCES				WATER USED CHARGED TO CURRENT ENTITLEMENT		
	M & I	Agr		Total	Evap	Div	Total	M & I	Allocation	Agr	Total	M & I	Agr	Total
Oct	56	84	140	0	140	140	56	84	0	0	0	0	0	0
Nov	20	32	52	0	52	52	20	32	0	0	0	0	0	0
Dec	47	60	107	0	107	107	47	60	0	0	0	0	0	0
Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar	1	0	1	0	1	1	0	0	0	0	0	0	0	0
Apr	13	16	29	0	29	29	13	16	0	0	0	0	0	0
May	52	62	114	0	114	114	52	62	0	0	0	0	0	0
Jun	109	138	247	0	247	247	109	138	0	0	0	0	0	0
Jul	71	113	184	9	184	193	74	119	0	0	0	0	0	0
Aug	73	108	181	33	181	214	86	128	0	0	0	0	0	0
Sep	25	35	60	7	60	67	28	39	0	0	0	0	0	0
<b>Total</b>	<b>467</b>	<b>648</b>	<b>1,115</b>	<b>49</b>	<b>1,115</b>	<b>1,164</b>	<b>485</b>	<b>678</b>						

**CONVERSIONS**

Month	STORAGE WATER		CURRENT SCHEDULE		SCHEDULE AND REVISIONS	
	M & I	Agr	M & I	Agr	M&I	AG
Oct	0	0	0	0	0	0
Nov	0	0	0	0	0	0
Dec	0	0	0	0	0	0
Jan	0	0	0	0	0	0
Feb	0	0	0	0	0	0
Mar	0	0	0	0	0	0
Apr	0	0	0	0	0	0
May	0	0	0	0	0	0
Jun	0	0	0	0	0	0
Jul	0	0	0	0	0	0
Aug	-74	74	0	0	0	0
Sep	-39	39	0	0	0	0
<b>Total</b>			<b>1,165</b>	<b>600</b>	<b>565</b>	<b>0</b>

**REMAINING BALANCES**

Month	REMAINING BALANCES		REMAINING BALANCES	
	M&I	AG	M&I	AG
Oct	544	481	0	0
Nov	524	449	0	0
Dec	477	389	0	0
Jan	477	389	0	0
Feb	477	389	0	0
Mar	477	389	0	0
Apr	464	373	0	0
May	412	311	0	0
Jun	303	173	0	0
Jul	229	54	0	0
Aug	69	0	0	0
Sep	0	0	0	0
<b>Total</b>	<b>1,025</b>	<b>481</b>	<b>0</b>	<b>0</b>

TOTAL 0

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

Contract Year: 10/1/15 to: 9/30/16

Contract Entity: **Goleta Water District**  
 Last updated by C.O.M.B. 9/30/16

Month	Approved Schedule Current Year	Carryover Previous Year	TOTAL WATER USED			WATER USED CHARGED TO CARRYOVER BALANCES			WATER USED CHARGED TO CURRENT ENTITLEMENT				
			M & I	Agr	Total	Evap	Div	Total	M & I	Agr	Total		
Oct	0	2168	397	170	567	0	567	567	397	170	0	0	0
Nov			319	137	456	0	456	456	319	137	0	0	0
Dec			318	106	424	0	424	424	318	106	0	0	0
Jan			0	0	0	0	0	0	0	0	0	0	0
Feb			0	0	0	0	0	0	0	0	0	0	0
Mar			0	0	0	0	0	0	0	0	0	0	0
Apr			0	0	0	0	0	0	0	0	0	0	0
May			0	0	0	0	0	0	0	0	0	0	0
Jun			0	0	0	0	0	0	0	0	0	0	0
Jul			0	0	0	13	13	13	0	13	0	0	0
Aug			0	0	0	84	84	84	0	84	0	0	0
Sep			0	0	0	63	63	63	0	63	0	0	0
Total	0	2168	1,034	413	1,447	160	1,447	1,607	1,034	573	0	0	0

Month	STORAGE WATER		CONVERSIONS		CURRENT SCHEDULE		SCHEDULES AND REVISIONS		
	M & I	Agr	M & I	Agr	M & I	AG	M & I	AG	
Oct	0	0	0	0	0	0	0	0	
Nov	0	0	0	0	0	0	0	0	
Dec	0	0	0	0	0	0	0	0	
Jan	0	0	0	0	0	0	0	0	
Feb	0	0	0	0	0	0	0	0	
Mar	0	0	0	0	0	0	0	0	
Apr	0	0	0	0	0	0	0	0	
May	0	0	0	0	0	0	0	0	
Jun	0	0	0	0	0	0	0	0	
Jul	0	0	0	0	0	0	0	0	
Aug	0	0	0	0	0	0	0	0	
Sep	0	0	0	0	0	0	0	0	
Total	0	0	0	0	2,168	722	1,446	0	0

Month	REMAINING BALANCES	
	M&I	AG
Oct	1,601	552
Nov	1,145	415
Dec	721	309
Jan	721	309
Feb	721	309
Mar	721	309
Apr	721	309
May	721	309
Jun	721	309
Jul	708	296
Aug	624	212
Sep	561	149
Total	1,601	552

TOTAL 561

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

Contract Year: 10/1/15 to: 9/30/16

Contract Entity: **Montecito Water District**  
 Last updated by C.O.M.B. 9/30/16

Approved Schedule Current Year: 0  
 Carryover Previous Year: 3486

Month	TOTAL WATER USED		WATER USED CHARGED TO CARRYOVER BALANCES				WATER USED CHARGED TO CURRENT ENTITLEMENT	
	M & I	Agr	Evap	Acre-feet		M & I	Agr	
				Div	Total			M & I
Oct	263	34	0	297	263	34	0	
Nov	174	25	0	199	174	25	0	
Dec	177	15	0	192	177	15	0	
Jan	80	6	0	86	80	6	0	
Feb	16	1	0	17	16	1	0	
Mar	133	9	0	142	133	9	0	
Apr	192	23	0	215	192	23	0	
May	249	27	0	276	249	27	0	
Jun	259	32	0	291	259	32	0	
Jul	341	33	32	374	370	36	0	
Aug	330	29	161	359	478	42	0	
Sep	47	39	85	86	93	78	0	
Total	2,261	273	278	2,534	2,484	328	0	

**CONVERSIONS**

Month	STORAGE WATER		CURRENT SCHEDULE		SCHEDULE AND REVISIONS	
	M & I	Agr	M & I	Agr	M & I	Agr
Oct	0	0	0	0	0	0
Nov	0	0	0	0	0	0
Dec	0	0	0	0	0	0
Jan	0	0	0	0	0	0
Feb	0	0	0	0	0	0
Mar	0	0	0	0	0	0
Apr	0	0	0	0	0	0
May	0	0	0	0	0	0
Jun	0	0	0	0	0	0
Jul	0	0	0	0	0	0
Aug	0	0	0	0	0	0
Sep	-65	65	0	0	0	0
Total	0	0	0	0	0	0

**REMAINING BALANCES**

Month	STORAGE WATER		CURRENT SCHEDULE		SCHEDULE AND REVISIONS	
	M & I	Agr	M & I	Agr	M & I	Agr
Oct	0	0	0	0	0	0
Nov	0	0	0	0	0	0
Dec	0	0	0	0	0	0
Jan	0	0	0	0	0	0
Feb	0	0	0	0	0	0
Mar	0	0	0	0	0	0
Apr	0	0	0	0	0	0
May	0	0	0	0	0	0
Jun	0	0	0	0	0	0
Jul	0	0	0	0	0	0
Aug	0	0	0	0	0	0
Sep	0	0	0	0	0	0
Total	0	0	0	0	0	0

**SUMMARY OF WATER USED**  
**CACHUMA PROJECT - CONTRACT #75R-1802**

**Revised** Contract Year: 10/1/15 to: 9/30/16

Contract Entity: City of Santa Barbara  
 Last updated by C.O.M.B. 9/30/16

Month	Approved Schedule Current Year		Carryover Previous Year	WATER USE CHARGED TO CARRYOVER BALANCES				Allocation		WATER USE CHARGED TO CURRENT ENTITLEMENT		
	M & I	Agr		total	Evap	Div	Total	M & I	Agr	M & I	Agr	Total
Oct	667	0	667	0	667	667	667	667	0	0	0	0
Nov	487	0	487	0	487	487	487	487	0	0	0	0
Dec	447	0	447	0	447	447	447	447	0	0	0	0
Jan	34	0	34	0	34	34	34	34	0	0	0	0
Feb	85	0	85	0	85	85	85	85	0	0	0	0
Mar	147	0	147	0	147	147	147	147	0	0	0	0
Apr	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0	0	0	0	0
Jul	0	0	0	46	0	46	46	46	0	0	0	0
Aug	583	0	583	294	583	877	877	877	0	0	0	0
Sep	506	0	506	161	506	667	667	667	0	0	0	0
<b>Total</b>	<b>2,956</b>	<b>0</b>	<b>2,956</b>	<b>501</b>	<b>2,956</b>	<b>3,457</b>	<b>3,457</b>	<b>3,457</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Month	STORAGE WATER		CONVERSIONS		CURRENT SCHEDULE		SCHEDULE AND REVISIONS	
	M & I	Agr	M & I	Agr	M & I	Agr	M & I	Total
Oct	0	0	0	0	0	0	0	0
Nov	0	0	0	0	0	0	0	0
Dec	0	0	0	0	0	0	0	0
Jan	0	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,399</b>	<b>4,399</b>	<b>0</b>	<b>0</b>

Month	REMAINING BALANCES	
	M & I	Total
Oct	3,732	3,732
Nov	3,245	3,245
Dec	2,798	2,798
Jan	2,764	2,764
Feb	2,679	2,679
Mar	2,532	2,532
Apr	2,532	2,532
May	2,532	2,532
Jun	2,532	2,532
Jul	2,486	2,486
Aug	1,609	1,609
Sep	1,239	1,239
<b>TOTAL</b>	<b>1,239</b>	<b>1,239</b>

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

Contract Year: 10/1/15 to: 9/30/16

Contract Entity: Santa Ynez River Water Conservation District, ID#1  
 Last updated by C.O.M.B. 9/30/16

Month	TOTAL WATER USED		WATER USE CHARGED TO CARRYOVER BALANCES				WATER USE CHARGED TO CURRENT ENTITLEMENT	
	M & I	Agri	Evap	Div	Total	M & I	Agri	Total
Oct	2	0	0	0	2	2	0	0
Nov	1	0	0	0	1	1	0	0
Dec	1	0	0	0	1	1	0	0
Jan	1	0	0	0	1	1	0	0
Feb	1	0	0	0	1	1	0	0
Mar	1	0	0	0	1	1	0	0
Apr	2	0	0	0	2	2	0	0
May	2	0	0	0	2	2	0	0
Jun	3	0	0	0	3	3	0	0
Jul	3	0	0	0	3	4	0	0
Aug	4	0	5	0	9	9	0	0
Sep	2	0	3	0	5	5	0	0
Total	23	0	9	23	32	32	0	0

**CONVERSIONS**

STORAGE WATER	Agri	Agri	Month
M & I	2	0	Oct
	1	0	Nov
	1	0	Dec
	1	0	Jan
	1	0	Feb
	1	0	Mar
	2	0	Apr
	2	0	May
	3	0	Jun
	4	0	Jul
	9	0	Aug
	5	0	Sep

**SCHEDULE AND REVISIONS**

STORAGE WATER	Agri	Agri	Month
M & I	2	0	Oct
	1	0	Nov
	1	0	Dec
	1	0	Jan
	1	0	Feb
	1	0	Mar
	2	0	Apr
	2	0	May
	3	0	Jun
	4	0	Jul
	9	0	Aug
	5	0	Sep
Total	56	0	
Begin Bal	0	56	

**COUNTY PARKS**

Month	A.F. Used	Total	M & I	Agri	Total
Oct	1.61	54	0	54	0
Nov	1.38	53	0	53	0
Dec	1.38	52	0	52	0
Jan	0.97	51	0	51	0
Feb	1.26	50	0	50	0
Mar	1.41	48	0	49	0
Apr	2.21	46	0	47	0
May	2.32	44	0	45	0
Jun	2.66	41	0	42	0
Jul	2.80	37	0	38	0
Aug	3.5	29	0	29	0
Sep	2.14	24	0	24	0
TOTAL		54	0	54	0

\*NOTE:

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

Contract Entity: Santa Barbara Co. Water Agency  
 Last updated by C.O.M.B. 9/30/16

Contract Year: 10/1/15 to: 9/30/16

Month	Approved Schedule Current Year	Carryover Previous Year	TOTAL WATER USED			WATER USED CHARGED TO CARRYOVER BALANCES				WATER USED CHARGED TO CURRENT ENTITLEMENT			
			Use %	Acre-feet		Evap	Acre-feet		Allocation		Acre-feet		
				M & I	Agr		Total	M & I	Agr	M & I	Agr	Total	
	0	11274											
Oct			14.84%	1,385	288	0	1,673	1,385	288	0	0	0	0
Nov			10.60%	1,001	194	0	1,195	1,001	194	0	0	0	0
Dec			10.39%	990	181	0	1,171	990	181	0	0	0	0
Jan			1.07%	115	6	0	121	115	6	0	0	0	0
Feb			0.92%	102	1	0	103	102	1	0	0	0	0
Mar			2.58%	282	9	0	291	281	9	0	0	0	0
Apr			2.18%	207	39	0	246	207	39	0	0	0	0
May			3.48%	303	89	0	392	303	89	0	0	0	0
Jun			4.80%	371	170	0	541	371	170	0	0	0	0
Jul			5.87%	415	146	101	561	494	168	0	0	0	0
Aug			15.11%	990	137	577	1,127	1,450	254	0	0	0	0
Sep			8.63%	580	74	319	654	793	180	0	0	0	0
Total	0	11274	80.47%	6,741	1,334	997	8,075	7,492	1,579	0	0	0	0

**CONVERSIONS**

STORAGE WATER		CURRENT SCHEDULE		SCHEDULE AND REVISIONS	
M & I	Agr	M & I	Agr	M & I	Agr
2	-2	0	0	9,668	1,606
1	-1	0	0	0	0
1	-1	0	0	0	0
1	-1	0	0	0	0
1	-1	0	0	0	0
2	-2	0	0	0	0
2	-2	0	0	0	0
3	-3	0	0	0	0
4	-4	0	0	0	0
-65	65	0	0	0	0
-99	99	0	0	0	0
Total		11,274	1,606	9,668	1,606

**COUNTY PARKS**

A.F. Used	M & I	Agr	Total
1.61	8,285	1,316	9,601
1.38	7,285	1,121	8,406
1.38	6,296	939	7,235
0.97	6,182	932	7,114
1.26	6,081	930	7,011
1.41	5,801	920	6,719
2.21	5,596	879	6,473
2.32	5,295	788	6,081
2.66	4,927	615	5,540
2.80	4,437	443	4,878
3.50	2,922	254	3,175
2.14	2,028	173	2,200
Total	8,285	1,316	9,601

**REMAINING BALANCES**

A.F. Used	M & I	Agr	Total
1.61	8,285	1,316	9,601
1.38	7,285	1,121	8,406
1.38	6,296	939	7,235
0.97	6,182	932	7,114
1.26	6,081	930	7,011
1.41	5,801	920	6,719
2.21	5,596	879	6,473
2.32	5,295	788	6,081
2.66	4,927	615	5,540
2.80	4,437	443	4,878
3.50	2,922	254	3,175
2.14	2,028	173	2,200
Total	8,285	1,316	9,601

**TOTAL** 2,200



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

MONTH	DELVRD TO LAKE		CWND		Evap/Spill		MWD		Evap/Spill		Delvd to SC		S.B.		GWD		Evap/Spill		Delvd to SC		LCMWC		RSYS		Delvd to Lake		MLC		
	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
2015																													
Bal. Frwd	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
January	833	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
February	789	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
March	1284	170	52	118	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
April	1152	192	130	111	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	658	108	139	95	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
June	371	0	50	84	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July	306	0	0	48	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	40	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
September	42	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
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	0	0	0	0
November	60	20	0	20	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
December	7	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
<b>Total</b>	<b>5542</b>	<b>490</b>	<b>490</b>	<b>475.7</b>	<b>14</b>	<b>870</b>	<b>0</b>	<b>128</b>	<b>0</b>	<b>1616</b>	<b>2552</b>	<b>0</b>	<b>2552</b>	<b>1548</b>	<b>0</b>	<b>1526</b>	<b>35</b>	<b>140</b>	<b>149</b>	<b>355</b>	<b>15</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>32</b>	<b>0</b>	<b>32</b>	<b>0</b>	<b>32</b>

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

MONTH	DELVRD TO LAKE		CWND		Evap/Spill		MWD		Evap/Spill		Delvd to SC		S.B.		GWD		Evap/Spill		Delvd to SC		LCMWC		RSYS		Delvd to Lake		MLC		
	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
2016																													
Bal. Frwd	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
January	653	54	38	16	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
February	693	0	36	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	965	0	33	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	1283	0	0	29	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
May	1309	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
June	1261	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
July	1342	100	0	100	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
August	1372	135	135	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
September	1310	225	246	96	4	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>10188</b>	<b>514</b>	<b>246</b>	<b>241</b>	<b>4</b>	<b>23</b>	<b>375</b>	<b>0</b>	<b>102</b>	<b>136</b>	<b>1034</b>	<b>102</b>	<b>136</b>	<b>3065</b>	<b>4739</b>	<b>3374</b>	<b>346</b>	<b>55</b>	<b>57</b>	<b>374</b>	<b>15</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>33</b>	<b>0</b>	<b>33</b>	<b>0</b>	<b>33</b>

Note - (September) GWD transferred 170.64 AF SWP water to City of SB per overlap agreement



**Santa Barbara County Parks Division,  
Cachuma Lake Recreation Area**



**Summary of Aquatic Invasive Species Vessel Inspection Program  
and Early Detection Monitoring Program: **September 2016****

**AIS INSPECTION PROGRAM LAUNCH DATA:**

<b>Cachuma Lake Recreation Area Launch Data -- September 2016</b>		
<b>Inspection Data</b>		
Total Vessels entering Park	10	
Total Vessels launched	10	
Total Vessels Quarantined	0	0%
Returning with Boat Launch Tag	0	0%
New: Removed from Quarantine	*	
Kayak/Canoe: Inspected, launched	10	100%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
<b>Quarantine Data</b>		
Total Vessels Quarantined	0	
Quarantined 7 days	*	
Quarantined 14 days	*	
Quarantined 30 days	0	
<b>Quarantine Cause</b>		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	0	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	0	
<b>Demographic Data</b>		
Quarantined from infected county	0	
Quarantined from SB County	0	
Quarantined from uninfected co	0	

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

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

\* These conditions are no longer being tracked.

**EARLY DETECTION MONITORING PROGRAM SUMMARY**

**Summary:** No Dreissenid mussels were detected

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

Inspection Date and Time: 2016.09.23; 10:00 – 13:00 PDT

Method: 5 PVC/Cement Sampling Stations; 54 linear feet of line

Surveyors: Rosey Bishop, John Viggianelli & Kristin Loft (SBCO Parks)

Lake elevation: Max feet: 753.00, current: 647.00; Max acre-feet: 193,305, current: 14,429;

Current capacity: 7.50%