

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

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

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**Monday, April 25, 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 March 7, 2016 Special Board Meeting  
Minutes March 28, 2016 Regular Board Meeting
  - b. Investment of Funds
    - Financial Reports
    - Investment Reports
  - c. Review of Paid Claims
  - d. Review of Pending Claims for Payment
4. **APPOINTMENT OF REPRESENTATIVE TO CACHUMA PROJECT TRUST FUND AND RENEWAL FUND COMMITTEE AND BETTERMENT FUND USE OF FUNDS DISCUSSION**  
Action: Approve Recommendation of Representative by motion and roll call vote of the Board
5. **LAURO STOP VALVE REPLACEMENT PROJECT**  
Action: Recommend approval by motion and roll call vote of the Board

6. **GENERAL MANAGER REPORT**  
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
  - COMB Fiscal Year 2016-17 Operating Budget Development Process
  - IRWMP Proposition 84 Grant Reimbursement
  - Cachuma Member Unit Managers Meeting
  - Operations Division Activities
  - Fisheries Division Activities
  
7. **OPERATIONS DIVISION REPORT**  
Receive information regarding Operations Division, including but not limited to the following:
  - Lake Cachuma Operations
  - Operation and Maintenance Activities
  
8. **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
  
9. **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
  
10. **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
  
11. **DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING**
  
12. **MEETING SCHEDULE**
  - **May 23, 2016 at 2:00 P.M., COMB Office**
  - **Board Packages Available on COMB Website**  
[www.cachuma-board.org](http://www.cachuma-board.org)
  
13. **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  
Monday, March 7, 2016**

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

The meeting was called to order at 1:02 p.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
Kevin Walsh	SYR Water Conservation Dist, ID No. 1
Polly Holcombe	Carpinteria Valley Water District
Lauren Hanson	Goleta Water District

**Others Present:**

Janet Gingras	Dave Stewart
Tim Robinson	Amy Smith
Adelle Capponi	Pete Dal Bello
Dale Francisco	Gary Kvistad
Charles Hamilton	Giana Magnoli
Chris Dahlstrom	Fray Crease
Tom Fayram	Dan Suchim
John Olson	Joshua Haggmark
Dan Ellison	Bruce Wales
Kathleen Werner	William Carter

**2. Public Comment**

There was no public comment.

**3. Verbal Reports From Board Committees**

- *Fisheries Committee Meeting – March 1, 2016:* Director Holcombe summarized the meeting, providing a status report on each item of the agenda. She informed the Board that an item regarding submittal of the grant application for the Fish Passage Improvement Project at Quiota Creek Crossing 5 is an action item on today's agenda, for which the Fisheries Committee recommends to approve the submittal of the grant application.
- *Operations Committee Meeting – March 3, 2016:* Director Walsh outlined the meeting, noting that the sole item for consideration – the relocation of the Emergency Pumping Facility's pumping barge – is before the Board as an action item on today's agenda. Director Walsh revealed that the Operations Committee had requested certain

language be incorporated into the project's environmental documents that would provide assurances that, in its new location, the barge will be restricted to pumping only water to which South Coast member agencies are entitled.

**4. Resolution No. 610 – Approving Additional Expenditures and the Extension of Time for Approved Expenditures for the Drought Emergency Pumping Facility Project Through June 30, 2017**

Director Holcombe moved to approve Resolution No. 610, pending Board discussion; Director Hanson seconded the motion. Director Walsh distributed a proposed amendment to Resolution No. 610 to the Board for consideration, and Director Holcombe amended her motion to approve Resolution No. 610, as modified by the proposed amendment. Director Hanson subsequently withdrew her second, suggesting that any revisions be considered following initial approval of the Resolution.

Following lengthy discussion comprised of input from the Board, various interested parties and members of the public, COMB General Counsel, Mr. William Carter, proffered to revise the Project Description Augmentation to indicate that lake elevation will be maintained at 656 feet or higher through the start of this summer's WR 89-18 releases. Mr. Carter also proposed to revise the accompanying Resolution No. 610 so that it refers directly back to the Project Description Augmentation.

Director Hanson moved to approve the modifications to the Project Description Augmentation, as presented by Mr. Carter, who then read the revised Project Description Augmentation aloud to the Board; seconded by Director Walsh, the motion passed by unanimous roll call vote:

**Ayes:** White, Walsh, Holcombe, Hanson, Morgan

**Nays:** None

**Absent/Abstain:** None

Following further consideration, Director Holcombe moved to approve Resolution No. 610, as modified per Mr. Carter's suggestion. Seconded by Director Walsh, the motion passed by unanimous roll call vote:

**Ayes:** White, Walsh, Holcombe, Hanson, Morgan

**Nays:** None

**Absent/Abstain:** None

**5. Submittal of Grant Application for Fish Passage Improvement Project – Quiota Creek Crossing 5**

Dr. Tim Robinson, Fisheries Division Manager, explained that the referenced grant application would obligate COMB to a \$50,000 construction match, although its submittal would not necessarily commit the Board to pursuing and finally implementing the project. Director Hanson moved to approve submittal of the grant application, with the specified construction match, for the Fish Passage Improvement Project at Quiota Creek Crossing 5. Seconded by Director Holcombe, the motion carried 6/0/1 as follows:

**Ayes:** White, Holcombe, Hanson, Morgan

**Nayes:** None

**Absent/Abstain:** Walsh

**6. [Closed Session]: Public Employee Appointment**

The Board went into closed session at 2:37 p.m.

a. [Government Code Section 54957]

PUBLIC EMPLOYMENT:

Title: General Manager

**7. 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 3:55 p.m.

a. [Government Code Section 54957]

PUBLIC EMPLOYMENT:

Title: General Manager

The Board approves and authorizes offering the position of General Manager to a particular qualified candidate and, should that candidate accept, the appointment of the candidate to that position.

**8. Meeting Schedule**

- The next Regular Board meeting will be held March 28, 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).

**9. COMB Adjournment**

There being no further business, the meeting was adjourned at 3:56 p.m.

Respectfully submitted,

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Janet Gingras, Secretary to the Board

**APPROVED:**

	<i>Approved</i>
√	<i>Unapproved</i>

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Doug Morgan, President of the Board

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

**held at**  
3301 Laurel Canyon Road, Santa Barbara, CA  
**Monday, March 28, 2016**

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

The meeting was called to order at 2:01 p.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
Kevin Walsh	SYR Water Conservation District, ID No. 1
Polly Holcombe	Carpinteria Valley Water District
Lauren Hanson	Goleta Water District

**Others present:**

Janet Gingras	Amy Smith
Dave Stewart	Adelle Capponi
Tom Fayram	Tim Robinson
Fray Crease	William Carter
Cathy Taylor	Phil Walker
Dale Francisco	Bob McDonald
Nick Turner	

**2. Public Comment**

Phil Walker recounted the extensive rainfall of March, 2011.

Mr. Stephen Robeck, a local resident, addressed the Board on parking concerns in his nearby neighborhood. He inquired about a method to formally request more boulders be installed along the street side, and offered his impression that the original boulders had been placed there by COMB. While the Board concurred it is unaware of which agency is responsible for maintaining the particular stretch of road, Director White suggested that Mr. Robeck formally provide his request to COMB in writing, and COMB staff would gladly forward that request to the appropriate agency, whether that be the City or the County.

**3. Consent Agenda**

**a. Minutes**

February 12, 2016 Special Board Meeting  
February 22, 2016 Regular Board Meeting  
February 26, 2016 Special Board Meeting

**b. Investment Funds**

- Financial Reports
- Investment Reports
- c. Review of Paid Claims**
- d. Review of Pending Claims for Payment**

Director Holcombe moved to approve the consent agenda, as presented. Seconded by Director White, the motion passed by unanimous roll call vote:

**Ayes:** White, Walsh, Holcombe, Hanson, Morgan  
**Nays:** None  
**Absent/Abstain:** None

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

- *Operations Committee Meeting – March 22, 2016:* Director Walsh summarized the meeting, highlighting the items on the agenda and advising the Board that each one would either be an action item on today's agenda or reported on within one of today's staff reports.

#### **5. Summers Engineering, Inc. Proposal – Watershed Sanitary Survey**

The Operations Committee forwarded the referenced Proposal to the Board, recommending authorizing the Interim General Manager to enter into a Professional Services Agreement (PSA) with Summers Engineering, Inc. to perform the mandated, five-year Watershed Sanitary Survey update. Ms. Gingras presented the corresponding proposed budget adjustment, which the Operations Committee also forwarded to the Board with the recommendation to approve. Director Walsh moved to approve the recommendations.

President Morgan requested that Ms. Gingras provide him more detail, as it becomes available, on how the cost of the survey update is allocated across the watersheds surveyed. Seconded by Director Holcombe, the motion passed by unanimous roll call vote:

**Ayes:** White, Walsh, Holcombe, Hanson, Morgan  
**Nays:** None  
**Absent/Abstain:** None

#### **6. HDR Engineering, Inc. – Design Proposal for AVAR/Blow-Off Structure Rehabilitation**

The Operations Committee forwarded the referenced Proposal to the Board, recommending authorizing the Interim General Manager to enter into a PSA with HDR Engineering, Inc., for engineering design services on the three correlating air vacuum air release (AVAR) valve and blow-off structure rehabilitation projects along the South Coast Conduit (SCC). Director Walsh moved to approve the recommendation. Seconded by Director Holcombe, the motion passed by unanimous roll call vote:

**Ayes:** White, Walsh, Holcombe, Hanson, Morgan  
**Nays:** None  
**Absent/Abstain:** None



## **7. AECOM Proposal – Development of Isolation Protocols**

The Operations Committee forwarded the referenced Proposal to the Board, recommending authorizing the Interim General Manager to enter into a PSA with AECOM for the development of system isolation protocols. Director Hanson moved to approve the recommendation. Seconded by Director Holcombe, the motion passed by unanimous roll call vote:

**Ayes:** White, Walsh, Holcombe, Hanson, Morgan

**Nays:** None

**Absent/Abstain:** None

## **8. Quiota Creek Crossing 3 Fish Passage Improvement Project – Request for Change Order Approval and Final Report**

Dr. Tim Robinson, Fisheries Division Manager, provided the Board with background information on the request for approval of Change Order No. 4. Director Holcombe added the Fisheries Committee forwarded the request to the Board with a recommendation to approve payment of the change order.

Director Walsh requested that, in the future, an amount representing the total funds expended for any project is included in the final report. Director Holcombe moved to approve the recommendation, and also requested that Ms. Gingras reconcile whether or not any unexpended funds that had been assessed for the project would be constructively returned to the member agencies. Seconded by Director Hanson, the motion carried 6/1/0 as follows:

**Ayes:** White, Holcombe, Hanson, Morgan

**Nays:** Walsh

**Absent/Abstain:** None

## **9. Resolution No. 611 – Acceptance of Grant Agreement with California Department of Fish and Wildlife for Fish Passage Improvement at Quiota Creek Crossing Number Four**

The Fisheries Committee forwarded the item to the Board with the recommendation to approve acceptance of the grant award and authorize the Interim General Manager to enter into a grant agreement with California Department of Fish and Wildlife. Director Holcombe moved to approve the recommendation. Director Walsh requested that moving forward, any grant agreement be presented to the Board for consideration prior to taking a vote. Director Holcombe amended her motion to include Director Walsh's request.

Mr. William Carter, COMB General Counsel, informed the Board that grant funding received for a project would effectively reduce the COMB expenditure for that project by the awarded grant amount. The motion was seconded by Director Hanson, and carried 6/0/1 as follows:

**Ayes:** White, Holcombe, Hanson, Morgan  
**Nays:** None  
**Absent/Abstain:** Walsh

#### **10. Fire Prevention Within the Santa Ynez River Watershed**

Director White introduced the item, reminding the Board that it arose from a request he made at a prior meeting, and asked that it be referenced as “fire protection,” rather than “fire prevention,” henceforth. Following some conversation, the Board agreed that, although it is currently uncertain which agency would be responsible for implementing fire protection activity within the watershed, it is nonetheless a valuable discussion to prompt. The Board directed that Ms. Gingras contact both the Forest Service and County Fire and invite them to address and take questions from the Board at an upcoming COMB Board meeting.

#### **11. Interim General Manager’s Report**

- *Operating Budget Development Process*
- *Cachuma Member Unit Managers Meeting*
- *Bradbury Dam Penstock Coordination Study Evaluation Meeting*
- *Operations Division*

Ms. Janet Gingras, Interim General Manager, highlighted topics within her report, as incorporated in the board packet. She provided updates on current and ongoing deliverables, topics of interest, and relevant information; specifically, she explained the challenges currently faced when accounting for evaporation with the lake level so low, and she informed the Board that the design work on the Lauro Stop Valve Replacement project had begun.

#### **12. Operations Division Report**

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

Mr. Dave Stewart, Operations Division Manager, reported that the Operations Crew recently replaced the bypass meter at the North Portal and gave a concise review of the division report, as included in the board packet; there were no questions from the Board.

#### **13. Fisheries Division Report**

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

Dr. Tim Robinson, Fisheries Division Manager, noted features as presented in his report in the board packet and offered to field any questions from the Board.

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

- *Maintenance and Monitoring*

Dr. Robinson gave a concise review of the status of the project, notifying the Board that Year 8 planting had been completed with an approximate total of 807 new oak trees in the ground.

### **15. Monthly Cachuma Project Reports**

The reports were included in the board packet for information. The Board discussed the capacity restrictions of water deliveries into the lake via the CCWA pipeline.

### **16. Directors' Requests for Agenda Items for Future Meeting**

There were no requests for agenda items for future meetings.

### **17. [Closed Session]: Confidential Personnel Matter; Conference with Legal Counsel: Existing and Potential Litigation**

The Board went into closed session at 4:31 p.m.

- a. [Government Code Section 54957]  
Public Employee Appointment  
PUBLIC EMPLOYMENT  
Title: General Manager
- b. [Government Code Section 54956.9(d)(2)]  
Alleged Access Rights to Ortega Ridge Road,  
Ocean View Estates Subdivision
- c. [Government Code Section 54956.9(d)(4)]  
Protest of Member Agency Regarding Payment of Quarterly  
Assessments

### **18. 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 6:50 p.m.

- a. Public Employee Appointment; PUBLIC EMPLOYMENT: Title:  
General Manager  
The Board approves the tentative language of the draft employment agreement for the qualified candidate, subject to review by COMB legal counsel, with formal announcement of the appointment of the candidate to follow final crafting of the language in that agreement.
- b. Alleged Access Rights to Ortega Ridge Road, Ocean View Estates Subdivision

There was no reportable action.

- c. Protest of Member Agency Regarding Payment of Quarterly Assessments

There was no reportable action.

**19. Meeting Schedule**

- The next Regular Board meeting will be held April 25, 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)

**20. COMB Adjournment**

There being no further business, the meeting was adjourned at 6:51 p.m.

Respectfully submitted,

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

**APPROVED:**

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

	<i>Approved</i>
√	<i>Unapproved</i>

**COMB**  
**Statement of Net Assets**  
As of March 31, 2016

**ASSETS****Current Assets****Checking/Savings****TRUST FUNDS**

1210 · WARREN ACT TRUST FUND

347,236.52

1220 · RENEWAL FUND

10,215.61

**Total TRUST FUNDS**

357,452.13

1050 · GENERAL FUND

1,809,321.97

1100 · REVOLVING FUND

4,997.28

**Total Checking/Savings**

2,171,771.38

**Other Current Assets**

1010 · PETTY CASH

500.00

1200 · LAIF

279,618.16

1303 · Bradbury SOD Act Assmnts Rec

83,283.00

1304 · Lauro Dam SOD Assesmnt Rec

14,447.00

1309 · Grants Receivable

705,205.00

1315 · Assessments Rec

684,160.26

1400 · PREPAID INSURANCE

24,900.72

**Total Other Current Assets**

1,792,114.14

**Total Current Assets**

3,963,885.52

**Fixed Assets**

1500 · VEHICLES

409,581.12

1505 · OFFICE FURN &amp; EQUIPMENT

432,634.46

1510 · MOBILE OFFICES

97,803.34

1515 · FIELD EQUIPMENT

542,025.24

1525 · PAVING

38,351.00

1550 · ACCUMULATED DEPRECIATION

-1,320,829.64

**Total Fixed Assets**

199,565.52

**Other Assets**

1910 · LT Bradbury SOD Act Assess Rec

5,250,759.07

1920 · LT Lauro SOD Act Assess Rec

940,342.00

1922 · Deferred Outflows of Resources (GASB 68)

136,562.00

**Total Other Assets**

6,327,663.07

**TOTAL ASSETS****10,491,114.11**

**COMB**  
**Statement of Net Assets**  
As of March 31, 2016

**LIABILITIES & NET ASSETS****Liabilities****Current Liabilities****Accounts Payable**

2200 · ACCOUNTS PAYABLE

425,588.89

**Total Accounts Payable**425,588.89**Other Current Liabilities**

Payroll-DepPrm Admin

85.50

Payroll-DepPrm FD

21.24

Payroll-DepPrm Ops

456.26

2505 · ACCRUED WAGES

31,189.78

2550 · VACATION/SICK

142,912.32

2561 · BRADBURY DAM SOD ACT

83,283.66

2562 · SWRCB-WATER RIGHTS FEE

-21,658.62

2563 · LAURO DAM SOD ACT

14,447.00

2565 · ACCRUED INTEREST SOD ACT

87,008.00

2590 · DEFERRED REVENUE

627,526.58

**Total Other Current Liabilities**965,271.72**Total Current Liabilities**

1,390,860.61

**Long Term Liabilities**

2602 · LT SOD Act Liability-Bradbury

5,250,759.07

2603 · LT SOD Act Liability - Lauro

940,342.00

2604 · OPEB LT Liability

746,491.00

2605 · Loan Payable - EPFP

2,601,317.00

2610 · Net Pension Liability (GASB 68)

1,120,314.00

2611 · Deferred Inflows of Resources (GASB 68)

348,168.00

**Total Long Term Liabilities**11,007,391.07**Total Liabilities**

12,398,251.68

**NET POSITION**

3000 · Opening Bal Equity

-1,357,356.05

3901 · Retained Net Assets

-1,591,460.37

Net Income

1,041,678.85

**Total Net Assets**-1,907,137.57**TOTAL LIABILITIES & NET POSITION**10,491,114.11

comb2  
**Statement of Revenues and Expenditures**  
Budget vs. Actuals July 2015 - Jun 2016

	Fisheries			Operations			TOTAL		
	Jul '15 - Mar '16	Budget	% of Budget	Jul '15 - Mar '16	Budget	% of Budget	Jul '15 - Mar '16	Budget	% of Budget
<b>Income</b>									
<b>3000 REVENUE</b>									
3001 - O&M Budget (Qtrly Assessments)	621,221.00	1,099,077.00	56.52%	3,474,259.00	5,651,050.00	61.48%	4,095,480.00	6,750,127.00	60.67%
3006 - Warren Act	229,925.55	571,728.00	40.22%	0.00	0.00	0.00%	229,925.55	571,728.00	40.22%
3007 - Renewal Fund	0.00			0.00			0.00	0.00	0.00%
3010 - Interest Income	0.00			1,793.58			1,793.58	0.00	0.00%
3020 - Misc Income	26.25			1,956.03			1,982.28	0.00	0.00%
3032 - Grant-QC Crossing #3	705,205.00	705,205.00	100.00%	0.00	0.00	0.00%	705,205.00	705,205.00	100.00%
3033 - Grant-QC Crossing #0 (a&b)	0.00	0.00	0.00%	0.00	0.00	0.00%	0.00	0.00	0.00%
3035 - Cachuma Project Betterment Fund	78,155.50	90,000.00	86.84%	0.00	0.00	0.00%	78,155.50	90,000.00	86.84%
<b>Total 3000 REVENUE</b>	<b>1,634,533.30</b>	<b>2,466,010.00</b>	<b>66.28%</b>	<b>3,478,008.61</b>	<b>5,651,050.00</b>	<b>61.55%</b>	<b>5,112,541.91</b>	<b>8,117,060.00</b>	<b>62.99%</b>
<b>Total Income</b>	<b>1,634,533.30</b>	<b>2,466,010.00</b>	<b>66.28%</b>	<b>3,478,008.61</b>	<b>5,651,050.00</b>	<b>61.55%</b>	<b>5,112,541.91</b>	<b>8,117,060.00</b>	<b>62.99%</b>
<b>Gross Profit</b>	<b>1,634,533.30</b>	<b>2,466,010.00</b>	<b>66.28%</b>	<b>3,478,008.61</b>	<b>5,651,050.00</b>	<b>61.55%</b>	<b>5,112,541.91</b>	<b>8,117,060.00</b>	<b>62.99%</b>
<b>Expense</b>									
<b>PAYROLL</b>									
Gross	0.00			0.00			0.00	0.00	0.00%
Gross-FD	0.00			0.00			0.00	0.00	0.00%
<b>Total PAYROLL</b>	<b>0.00</b>			<b>0.00</b>			<b>0.00</b>	<b>0.00</b>	<b>0.00%</b>
<b>3100 - LABOR - OPERATIONS</b>	0.00			464,637.78	815,197.00	57.0%	464,637.78	815,197.00	57.0%
<b>3200 VEH &amp; EQUIPMENT</b>	0.00			16,403.66	30,000.00	54.68%	16,403.66	30,000.00	54.68%
3201 - Vehicle/Equip Mtce	0.00			7,906.71	15,000.00	52.71%	7,906.71	15,000.00	52.71%
3202 - Fixed Capital	0.00			1,352.80	5,000.00	27.06%	1,352.80	5,000.00	27.06%
3203 - Equipment Rental	0.00			3,827.28	5,000.00	76.55%	3,827.28	5,000.00	76.55%
3204 - Miscellaneous	0.00			29,490.45	55,000.00	53.62%	29,490.45	55,000.00	53.62%
<b>Total 3200 VEH &amp; EQUIPMENT</b>	<b>0.00</b>			<b>464,637.78</b>	<b>815,197.00</b>	<b>57.0%</b>	<b>464,637.78</b>	<b>815,197.00</b>	<b>57.0%</b>
<b>3300 - CONTRACT LABOR</b>	0.00			5,206.50	20,000.00	26.03%	5,206.50	20,000.00	26.03%
3301 - Conduit, Meter, Valve & Misc	0.00			1,250.00	20,000.00	6.25%	1,250.00	20,000.00	6.25%
3302 - Buildings & Roads	0.00			0.00	30,000.00	0.00%	0.00	30,000.00	0.00%
3303 - Reservoirs	0.00			0.00	25,000.00	0.00%	0.00	25,000.00	0.00%
3304 - Engineering, Misc Services	0.00			6,456.50	95,000.00	6.8%	6,456.50	95,000.00	6.8%
<b>Total 3300 - CONTRACT LABOR</b>	<b>0.00</b>			<b>5,206.50</b>	<b>20,000.00</b>	<b>26.03%</b>	<b>5,206.50</b>	<b>20,000.00</b>	<b>26.03%</b>
<b>3400 - MATERIALS &amp; SUPPLIES</b>	0.00			9,853.98	65,000.00	15.16%	9,853.98	65,000.00	15.16%
3401 - Conduit, Meter, Valve & Misc	0.00			5,548.37	15,000.00	36.99%	5,548.37	15,000.00	36.99%
3402 - Buildings & Roads	0.00			1,634.35	10,000.00	16.34%	1,634.35	10,000.00	16.34%
3403 - Reservoirs	0.00			17,036.70	90,000.00	18.93%	17,036.70	90,000.00	18.93%
<b>Total 3400 - MATERIALS &amp; SUPPLIES</b>	<b>0.00</b>			<b>9,853.98</b>	<b>65,000.00</b>	<b>15.16%</b>	<b>9,853.98</b>	<b>65,000.00</b>	<b>15.16%</b>
<b>3500 - OTHER EXPENSES</b>	0.00			5,153.95	7,000.00	73.63%	5,153.95	7,000.00	73.63%
3501 - Utilities	0.00			1,497.63	5,000.00	29.95%	1,497.63	5,000.00	29.95%
3502 - Uniforms	0.00			13,352.44	18,000.00	74.18%	13,352.44	18,000.00	74.18%
3503 - Communications	0.00			1,161.00	4,000.00	29.03%	1,161.00	4,000.00	29.03%
3504 - USA & Other Services	0.00								

comb2  
**Statement of Revenues and Expenditures**  
Budget vs. Actuals July 2015 - Jun 2016

	Fisheries			Operations			TOTAL		
	Jul '15 - Mar '16	Budget	% of Budget	Jul '15 - Mar '16	Budget	% of Budget	Jul '15 - Mar '16	Budget	% of Budget
3505 - Miscellaneous	0.00			6,526.53	8,000.00	81.58%	6,526.53	8,000.00	81.58%
3506 - Training	0.00			300.00	3,000.00	10.0%	300.00	3,000.00	10.0%
<b>Total 3500 - OTHER EXPENSES</b>	<b>0.00</b>			<b>27,991.55</b>	<b>45,000.00</b>	<b>62.2%</b>	<b>27,991.55</b>	<b>45,000.00</b>	<b>62.2%</b>
4100 - LABOR - FISHERIES	427,638.61	549,994.00	77.75%	0.00			427,638.61	549,994.00	77.75%
4200 - VEHICLES & EQUIP - FISHERIES									
4270 - Vehicle/Equip Mtce	11,593.35	13,000.00	89.18%	0.00			11,593.35	13,000.00	89.18%
4280 - Fixed Capital	692.19	15,000.00	4.62%	0.00			692.19	15,000.00	4.62%
4290 - Miscellaneous	1,188.70	2,500.00	47.55%	0.00			1,188.70	2,500.00	47.55%
<b>Total 4200 - VEHICLES &amp; EQUIP - FISHERIES</b>	<b>13,474.24</b>	<b>30,500.00</b>	<b>44.18%</b>	<b>0.00</b>			<b>13,474.24</b>	<b>30,500.00</b>	<b>44.18%</b>
4220 - CONTRACT LABOR - FISHERIES									
4221 - Meters & Valves	0.00	3,000.00	0.0%	0.00			0.00	3,000.00	0.0%
4222 - Fish Projects Maintenance	10,079.02	40,000.00	25.2%	0.00			10,079.02	40,000.00	25.2%
<b>Total 4220 - CONTRACT LABOR - FISHERIES</b>	<b>10,079.02</b>	<b>43,000.00</b>	<b>23.44%</b>	<b>0.00</b>			<b>10,079.02</b>	<b>43,000.00</b>	<b>23.44%</b>
4300 - MATERIALS/SUPPLIES - FISHERIES									
4390 - Miscellaneous	1,621.03	7,000.00	23.16%	0.00			1,621.03	7,000.00	23.16%
<b>Total 4300 - MATERIALS/SUPPLIES - FISHERIES</b>	<b>1,621.03</b>	<b>7,000.00</b>	<b>23.16%</b>	<b>0.00</b>			<b>1,621.03</b>	<b>7,000.00</b>	<b>23.16%</b>
4500 - OTHER EXPENSES - FISHERIES									
4502 - Uniforms	580.28	2,500.00	23.21%	0.00			580.28	2,500.00	23.21%
<b>Total 4500 - OTHER EXPENSES - FISHERIES</b>	<b>580.28</b>	<b>2,500.00</b>	<b>23.21%</b>	<b>0.00</b>			<b>580.28</b>	<b>2,500.00</b>	<b>23.21%</b>
4999 - GENERAL & ADMINISTRATIVE									
5000 - Director Fees									
5001 - Director Mileage	0.00	2,000.00	48.23%	964.58	2,000.00	48.23%	964.58	2,000.00	48.23%
5000 - Director Fees - Other	0.00	11,000.00	84.71%	9,318.40	11,000.00	84.71%	9,318.40	11,000.00	84.71%
<b>Total 5000 - Director Fees</b>	<b>0.00</b>	<b>13,000.00</b>	<b>79.1%</b>	<b>10,282.98</b>	<b>13,000.00</b>	<b>79.1%</b>	<b>10,282.98</b>	<b>13,000.00</b>	<b>79.1%</b>
5100 - Legal	0.00	100,000.00	20.06%	20,062.33	100,000.00	20.06%	20,062.33	100,000.00	20.06%
5101-1 - Audit	0.00	20,000.00	78.92%	15,784.05	20,000.00	78.92%	15,784.05	20,000.00	78.92%
5150 - Unemployment Tax	0.00	5,000.00	5.76%	287.83	5,000.00	5.76%	287.83	5,000.00	5.76%
5200 - Liability Insurance	0.00	42,705.00	102.19%	43,641.65	42,705.00	102.19%	43,641.65	42,705.00	102.19%
5201 - Health & Workers Comp	0.00	180,093.00	65.99%	118,838.99	180,093.00	65.99%	118,838.99	180,093.00	65.99%
5250 - PERS	0.00	58,420.00	51.65%	30,176.50	58,420.00	51.65%	30,176.50	58,420.00	51.65%
5260 - Company FICA Admin	0.00	20,754.00	46.06%	9,559.86	20,754.00	46.06%	9,559.86	20,754.00	46.06%
5265 - Company MCARE Admin	0.00	4,854.00	54.55%	2,648.02	4,854.00	54.55%	2,648.02	4,854.00	54.55%
5300 - LABOR ADMINISTRATIVE	0.00	276,250.00	60.84%	168,082.52	276,250.00	60.84%	168,082.52	276,250.00	60.84%
5310 - Postage/Office Exp	0.00	8,000.00	48.51%	3,880.41	8,000.00	48.51%	3,880.41	8,000.00	48.51%
5311 - Office Equip/Leases	0.00	8,000.00	76.35%	6,108.21	8,000.00	76.35%	6,108.21	8,000.00	76.35%
5312 - Misc Admin Expenses	0.00	10,790.00	73.82%	7,965.00	10,790.00	73.82%	7,965.00	10,790.00	73.82%
5313 - Communications	0.00	8,500.00	62.52%	5,313.81	8,500.00	62.52%	5,313.81	8,500.00	62.52%
5314 - Utilities	0.00	9,737.00	75.88%	7,388.43	9,737.00	75.88%	7,388.43	9,737.00	75.88%
5315 - Membership Dues	0.00	8,000.00	98.85%	7,908.00	8,000.00	98.85%	7,908.00	8,000.00	98.85%
5316 - Admin Fixed Assets	0.00	4,000.00	0.0%	0.00	4,000.00	0.0%	0.00	4,000.00	0.0%
5317 - Computer Consultant	0.00	15,000.00	73.54%	11,031.28	15,000.00	73.54%	11,031.28	15,000.00	73.54%
5318 - Administrative Consultant	0.00	16,250.00	92.62%	15,051.25	16,250.00	92.62%	15,051.25	16,250.00	92.62%
5319 - Emp Training/Subscriptions	0.00	2,000.00	4.18%	83.67	2,000.00	4.18%	83.67	2,000.00	4.18%



comb2  
**Statement of Revenues and Expenditures**  
Budget vs. Actuals July 2015 - Jun 2016

	Fisheries			Operations			TOTAL		
	Jul '15 - Mar '16	Budget	% of Budget	Jul '15 - Mar '16	Budget	% of Budget	Jul '15 - Mar '16	Budget	% of Budget
5330 - Admin Travel/Conferences	0.00			203.96	2,000.00	10.2%	203.96	2,000.00	10.2%
5331 - Public Information	0.00			331.67	1,000.00	33.17%	331.67	1,000.00	33.17%
5352 - Program Analyst	0.00			0.00	42,250.00	0.0%	0.00	42,250.00	0.0%
<b>Total 4999 - GENERAL &amp; ADMINISTRATIVE</b>	<b>0.00</b>			<b>484,630.42</b>	<b>856,603.00</b>	<b>56.58%</b>	<b>484,630.42</b>	<b>856,603.00</b>	<b>56.58%</b>
<b>5400 - GENERAL &amp; ADMIN - FISHERIES</b>									
5401 - Health & Workers Comp.	19,476.05	44,184.00	44.08%	0.00			19,476.05	44,184.00	44.08%
5402 - CalPERS	16,248.96	31,457.00	51.66%	0.00			16,248.96	31,457.00	51.66%
5403 - Company Fica	4,630.18	11,175.00	41.43%	0.00			4,630.18	11,175.00	41.43%
5405 - GM Salary	12,278.04	54,250.00	22.63%	0.00			12,278.04	54,250.00	22.63%
5406 - Company MCare	1,304.72	2,614.00	49.91%	0.00			1,304.72	2,614.00	49.91%
5407 - Legal - FD	48,681.70	25,000.00	194.73%	0.00			48,681.70	25,000.00	194.73%
5408 - LABOR ADMINISTRATIVE	78,228.00	94,500.00	82.78%	0.00			78,228.00	94,500.00	82.78%
5410 - Postage / Office Supplies	2,100.59	3,000.00	70.02%	0.00			2,100.59	3,000.00	70.02%
5411 - Office Equipment / Leases	3,288.93	5,218.00	63.03%	0.00			3,288.93	5,218.00	63.03%
5412 - Misc. Admin Expense	3,398.26	5,810.00	58.49%	0.00			3,398.26	5,810.00	58.49%
5413 - Communications	3,255.97	4,305.00	75.63%	0.00			3,255.97	4,305.00	75.63%
5414 - Utilities	3,978.18	5,243.00	75.88%	0.00			3,978.18	5,243.00	75.88%
5415 - Membership Dues	4,122.00	4,000.00	103.05%	0.00			4,122.00	4,000.00	103.05%
5416 - Admin Fixed Assets	0.00	4,000.00	0.0%	0.00			0.00	4,000.00	0.0%
5418 - Computer Consultant	6,003.56	5,000.00	120.07%	0.00			6,003.56	5,000.00	120.07%
5421 - Administrative Consultant	8,104.52	8,750.00	92.62%	0.00			8,104.52	8,750.00	92.62%
5425 - Employee Education/Subscription	45.06	2,500.00	1.8%	0.00			45.06	2,500.00	1.8%
5426 - Director Fees	5,017.60	6,000.00	83.63%	0.00			5,017.60	6,000.00	83.63%
5427 - Director Mileage	519.41	1,000.00	51.94%	0.00			519.41	1,000.00	51.94%
5430 - Travel	196.49	2,500.00	7.86%	0.00			196.49	2,500.00	7.86%
5431 - Public Information	1,178.60	1,500.00	78.57%	0.00			1,178.60	1,500.00	78.57%
5441 - Audit	8,460.95	6,300.00	134.3%	0.00			8,460.95	6,300.00	134.3%
5443 - Liab & Property Ins	23,499.35	21,595.00	108.82%	0.00			23,499.35	21,595.00	108.82%
5452 - Program Analyst	0.00	22,750.00	0.0%	0.00			0.00	22,750.00	0.0%
<b>Total 5400 - GENERAL &amp; ADMIN - FISHERIES</b>	<b>254,017.12</b>	<b>372,651.00</b>	<b>68.17%</b>	<b>0.00</b>			<b>254,017.12</b>	<b>372,651.00</b>	<b>68.17%</b>
5510 - Integrated Reg. Water Mgt Plan	0.00			2,588.00	5,000.00	51.76%	2,588.00	5,000.00	51.76%
<b>6000 - SPECIAL PROJECTS</b>									
6062 - SCADA	0.00			5,659.09	25,000.00	22.64%	5,659.09	25,000.00	22.64%
6090 - COMB Office Building	0.00			3,733.96	290,000.00	1.29%	3,733.96	290,000.00	1.29%
6096 - SCC Structure Rehabilitation	0.00			386.99	240,000.00	0.16%	386.99	240,000.00	0.16%
6097 - GIS and Mapping	0.00			7,057.00	10,000.00	70.57%	7,057.00	10,000.00	70.57%
6100 - Watershed Sanitary Survey	0.00			0.00	54,000.00	0.0%	0.00	54,000.00	0.0%
6105 - ROW Management Program	0.00			15,210.25	20,000.00	76.05%	15,210.25	20,000.00	76.05%
6109 - NP Jet Flow Control Valve	0.00			874.80			874.80	0.00	100.0%
6111 - Mission Crk Pipe Temp Repair	0.00			55,485.41	60,000.00	92.48%	55,485.41	60,000.00	92.48%
6118 - Repair Lateral 3 Structure	0.00			0.00	20,000.00	0.0%	0.00	20,000.00	0.0%
6120 - Emergency Pumping Fac Project	0.00			1,239,658.26	2,709,250.00	45.76%	1,239,658.26	2,709,250.00	45.76%
6121 - Rehab San Antonio Crk Blow-off	0.00			0.00	10,000.00	0.0%	0.00	10,000.00	0.0%
6122 - Sheffield Tunnel Insp/Eval SCC	0.00			0.00	46,000.00	0.0%	0.00	46,000.00	0.0%
6124 - SP Slope Stabilization	0.00			8,941.00	10,000.00	89.41%	8,941.00	10,000.00	89.41%
6125 - Encroachment-Tree/Veg Overgrow	0.00			0.00	25,000.00	0.0%	0.00	25,000.00	0.0%

comb2  
**Statement of Revenues and Expenditures**  
Budget vs. Actuals July 2015 - Jun 2016

	Fisheries				Operations				TOTAL			
	Jul '15 - Mar '16	Budget	\$ Over Budget	% of Budget	Jul '15 - Mar '16	Budget	\$ Over Budget	% of Budget	Jul '15 - Mar '16	Budget	\$ Over Budget	% of Budget
6128 - Lauro Tunnel Pipe Support Eval	0.00				0.00	30,000.00	-30,000.00	0.0%	0.00	30,000.00	-30,000.00	0.0%
6129 - Rehab SCC LR Lateral Structures	0.00				0.00	50,000.00	-50,000.00	0.0%	0.00	50,000.00	-50,000.00	0.0%
6130 - NP Slope Stabilization	0.00				0.00	90,000.00	-90,000.00	0.0%	0.00	90,000.00	-90,000.00	0.0%
<b>Total 6000 - SPECIAL PROJECTS</b>	0.00				1,337,006.76	3,689,250.00	-2,352,243.24	36.24%	1,337,006.76	3,689,250.00	-2,352,243.24	36.24%
<b>6200 - FISHERIES ACTIVITIES</b>												
6201 - FMP Implementation	8,805.91	100,000.00	-91,194.09	8.81%	0.00				8,805.91	100,000.00	-91,194.09	8.81%
6202 - GIS and Mapping	4,052.40	10,000.00	-5,947.60	40.52%	0.00				4,052.40	10,000.00	-5,947.60	40.52%
6203 - Grants Technical Support	2,070.00	10,000.00	-7,930.00	20.7%	0.00				2,070.00	10,000.00	-7,930.00	20.7%
6204 - SYR Hydrology Technical Support	1,582.57	10,000.00	-8,417.43	15.83%	0.00				1,582.57	10,000.00	-8,417.43	15.83%
6205 - USGS Stream Gauge Program	57,025.00	77,000.00	-19,975.00	74.06%	0.00				57,025.00	77,000.00	-19,975.00	74.06%
6206 - Tri County Fish Team Funding	0.00	5,000.00	-5,000.00	0.0%	0.00				0.00	5,000.00	-5,000.00	0.0%
6207 - Oak Tree Restoration Program	40,598.08	100,000.00	-59,401.92	40.6%	0.00				40,598.08	100,000.00	-59,401.92	40.6%
6209 - SYR Riverware Model Peer Review	0.00	0.00	0.00	0.0%	0.00				0.00	0.00	0.00	0.0%
6211 - SYR RiverWare Model Use	0.00	0.00	0.00	0.0%	0.00				0.00	0.00	0.00	0.0%
<b>Total 6200 - FISHERIES ACTIVITIES</b>	114,133.96	312,000.00	-197,866.04	36.58%	0.00				114,133.96	312,000.00	-197,866.04	36.58%
<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)	22,800.95	138,365.00	-115,564.05	16.48%	0.00				22,800.95	138,365.00	-115,564.05	16.48%
6313 - Quiota Creek Crossing 3	836,717.06	930,000.00	-93,282.94	89.97%	0.00				836,717.06	930,000.00	-93,282.94	89.97%
6314 - Quiota Creek Crossing 4	8,363.67	30,000.00	-21,636.33	27.88%	0.00				8,363.67	30,000.00	-21,636.33	27.88%
6315 - Quiota Creek Crossing 8	11,598.70	30,000.00	-18,401.30	38.66%	0.00				11,598.70	30,000.00	-18,401.30	38.66%
<b>Total 6300 - HABITAT ENHANCEMENT</b>	879,480.38	1,148,365.00	-268,884.62	76.59%	0.00				879,480.38	1,148,365.00	-268,884.62	76.59%
<b>Total Expense</b>	1,701,024.64	2,466,010.00	-764,985.36	68.98%	2,369,838.42	5,651,050.00	-3,281,211.58	41.94%	4,070,863.06	8,117,060.00	-4,046,196.94	50.15%
<b>Net Income</b>	<b>-66,491.34</b>	<b>0.00</b>	<b>-66,491.34</b>	<b>100.0%</b>	<b>1,108,170.19</b>	<b>0.00</b>	<b>1,108,170.19</b>	<b>100.0%</b>	<b>1,041,678.85</b>	<b>0.00</b>	<b>1,041,678.85</b>	<b>100.0%</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)  
 April 04, 2016

CACHUMA OPERATION AND MAINTENANCE BOARD

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

PMIA Average Monthly Yields

Tran Type Definitions

March 2016 Statement

Account Summary

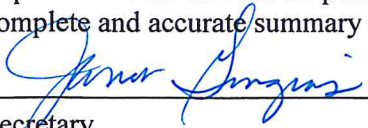
Total Deposit:	0.00	Beginning Balance:	279,618.16
Total Withdrawal:	0.00	Ending Balance:	279,618.16

**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 March, 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

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CACHUMA O & M BOARD

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

ACCOUNT NO 705011530  
STATEMENT DATE 03/31/2016  
LAST STATEMENT DATE 02/29/2016

0	STATEMENT PERIOD		
PREVIOUS BALANCE	10,215.61	# OF DAYS-STMT PERIOD	31
0 DEPOSITS/CREDITS	0.00		
0 CHECKS/WITHDRAWALS	0.00	AVERAGE BALANCE	10,215.61
ENDING BALANCE	10,215.61		
TOTAL SRV CHG TODAY	0.00	YTD INTEREST	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 March, 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

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PAGE 1

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

CACHUMA O & M BOARD

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ACCOUNT ANALYSIS CHECKING

ACCOUNT NO 705011543  
STATEMENT DATE 03/31/2016  
LAST STATEMENT DATE 02/29/2016

0	STATEMENT PERIOD		
PREVIOUS BALANCE	347,236.52	# OF DAYS-STMT PERIOD	31
0 DEPOSITS/CREDITS	0.00		
0 CHECKS/WITHDRAWALS	0.00	AVERAGE BALANCE	347,236.52
ENDING BALANCE	347,236.52		
TOTAL SRV CHG TODAY	0.00	YTD INTEREST	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 March, 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

comb2  
**Paid Claims**  
As of March 31, 2016

Date	Num	Name	Memo	Amount
<b>1050 - GENERAL FUND</b>				
03/01/2016	24361	Business Card	Office supplies/Lunch-Special Brd mtgs/grow tube-oak trees/Salmonid conference-workshops	-1,200.18
03/01/2016	24362	City of Santa-Barbara	Trash/Recycle-Feb 2016	-217.82
03/01/2016	24363	City of Santa Barbara-Central Stores	Gloves/ear plugs	-201.43
03/01/2016	24364	Culligan of Sylmar	Monthly RO system-Feb	-37.95
03/01/2016	24365	ECHO Communications	Monthly answering service	-62.00
03/01/2016	24366	HDR Engineering, Inc.	Fisheries monitoring support/EI Jaro San Julian O&M/Support O&M Xng 1,2,6,7/QC Xng 3-Nov/Dec	-5,644.11
03/01/2016	24367	J&C Services	Ofc cleaning-February services	-600.00
03/01/2016	24368	Musick, Peeler & Garrett LLP	General Counsel-Dec	-1,495.00
03/01/2016	24369	Nestle Pure Life Direct	5 gal disp. for Ops crew (part of PPE criteria)	-137.67
03/01/2016	24370	The Gas Company	Gas-main office	-76.70
03/01/2016	24371	Total Compensation Systems, Inc.	GASB45 Valuation services-2nd installment	-1,300.00
03/07/2016	24372	American Riviera Bank (ARB)	Loan interest payment	-7,280.05
03/07/2016	24373	PG&E	EPFP Site 2 Engineering	-2,500.00
03/11/2016	24374	ACWA/Joint Powers Insurance Authority	Property Program 4/1/16-4/1/17	-3,649.00
03/11/2016	24375	Association of Ca Water Agencies/JPIA	Apr Health Benefits coverage	-24,721.35
03/11/2016	24376	AT&T	Feb charges	-571.95
03/11/2016	24377	Calif Regional Wtr Quality Control Board	401 Permit Amendment-EPFP Location 2	-200.00
03/11/2016	24378	California Conservation Corps	Oak tree program work	-15,203.70
03/11/2016	24379	Coastal Copy, LP	Copier mtce agmt	-367.52
03/11/2016	24380	County of Santa--Barbara	Mulch-Oak tree program	-85.40
03/11/2016	24381	Cox Communications	Business internet-Mar	-195.00
03/11/2016	24382	Culligan of Sylmar	Monthly RO system-Mar	-25.95
03/11/2016	24383	Cushman Contracting Corp.	Emerg Pumping System: Pay Req#22-Phase II	-98,000.00
03/11/2016	24384	Filippin Engineering, Inc.	Quiota Creek Xng 3-Construction Observation/ Inspection-Jan	-3,872.00
03/11/2016	24385	Harrison Hardware	Piping/gopher baskets/stripping paint/fencing/rolls-Oak tree program/misc fisheries supplies	-1,204.00
03/11/2016	24386	Harwood White	Feb mtg fees	-529.91
03/11/2016	24387	HDR Engineering, Inc.	EPFP Engineering services-Feb	-6,551.36
03/11/2016	24388	Home Depot Credit Services	Materials-Admin trailer repair/drill/ext. cord/shop vac/materials for structure mtce	-712.95
03/11/2016	24389	Kevin D. Walsh	Feb mtg fees	-793.12
03/11/2016	24390	Lash Construction, Inc.	Base-Lauro yard	-77.76
03/11/2016	24391	Lauren W. Hanson	Feb mtg fees	-400.20
03/11/2016	24392	Paychex, Inc.	2/12, 2/26 payrolls/taxes/deliveries	-344.45
03/11/2016	24393	Polly Holcombe	Feb mtg fees	-429.83
03/11/2016	24394	Powell Garage	HVAC repair/replace front brake pads (Fish Div)	-374.88
03/11/2016	24395	Praxair Distribution, Inc	Cylinder rental (acetylene for welder)	-68.59
03/11/2016	24396	Prudential Overall Supply	Mats/scrapers-Feb	-100.56
03/11/2016	24397	Red Wing Shoe Store	Steel toe safety boots (DSi)	-174.84
03/11/2016	24398	Secorp Industries	Respirator fit test (Ops Div)	-995.50
03/11/2016	24399	Southern California Edison	Main office/outlying stations	-1,048.21
03/11/2016	24400	Spatial Wave	Apr-Jun 2016 Field Mapplet Software mtce	-900.00
03/11/2016	24401	Turenchalk Network Services, Inc.	IT services-Feb/server room temp alert/Ops workstation/Malwarebytes/Offsite backup drives/Field Mapplet server backup license	-4,283.25
03/11/2016	24402	Underground Service Alert of So. Calif.	68 Ticket charges	-102.00
03/11/2016	24403	Valley Compost & Topsoil, Inc.	Compost-Oak tree program	-21.60
03/11/2016	24404	Verizon California	Main office/outlying stations/SCADA	-1,088.97
03/11/2016	24405	Verizon Wireless	Modem's	-152.04
03/11/2016	24406	W. Douglas Morgan	Feb mtg fees	-555.20

comb2  
**Paid Claims**  
 As of March 31, 2016

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
03/11/2016	24407	Wright Express Fleet Services	Fleet fuel	-1,443.36
03/18/2016	24408	Bureau of Reclamation	2nd Period Entitlement 4/1-9/30/16	-557,533.15
03/18/2016	24409	HDR Engineering, Inc.	EPFP Engineering services-Feb	-14,191.83
03/18/2016	24410	MarBorg Industries	Portable toilets-outlying stations	-328.37
03/18/2016	24411	Pacific Coast Jiffy Lube	Oil change/service-Colorado (Fish Div)	-52.70
03/18/2016	24412	Southern California Edison	Outlying stations	-81.43
03/18/2016	24413	State Board of Equalization	Water Rights Fee 7/1/15-6/30/2016	-41,300.21
03/18/2016	24414	Verizon Wireless	Cellular/Modems/USB's	-655.04
03/22/2016	24415	Federal Express	Mailing-Mary Larson (Fish Div)	-42.39
03/22/2016	24416	GE Capital	Copier lease agmt	-559.24
03/22/2016	24417	PG&E	Tecolote Tunnel/North Portal electricity	-304.97
03/28/2016	24418	Business Card	Office supplies	-296.46
03/28/2016	24419	J&C Services	Ofc cleaning-March services	-600.00
03/28/2016	24420	Orchard Business/SYNCB	Drill set/tools/gloves/shop towels/electric tape	-85.05
03/28/2016	24421	Pacific Coast Jiffy Lube	Oil change/service-Chev 1500 4WD (Ops Div)	-108.25
03/28/2016	24422	PacificCom	Evaluate static on phone line	-175.00
03/28/2016	24423	Pitney Bowes Global Financial Services	Lease agmt-postage meter (Apr-Jul)	-443.89
03/28/2016	24424	Powell Garage	Major service-F-150 (Fish Div)	-808.20
03/28/2016	24425	The Gas Company	Gas-main office	-29.63
03/28/2016	24426	WIN-911 Software	WIN-911-Maint-R SCADA mtce/support	-395.00
Total 1050 · GENERAL FUND				<u>-807,988.17</u>
<b>TOTAL</b>				<b><u>-807,988.17</u></b>

**comb2**  
**Pending Claims for Payment**  
As of March 31, 2016

<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Memo</u>	<u>Due Date</u>	<u>Amount</u>
<b>Musick, Peeler &amp; Garrett LLP</b>					
Bill	03/11/2016	292873	General Counsel-Feb	04/10/2016	7,245.00
Bill	03/11/2016	292874	General Counsel-CalTrout-Feb	04/10/2016	55.00
Total Musick, Peeler & Garrett LLP					<u>7,300.00</u>
<b>TOTAL</b>			<b>TOTAL CLAIMS PENDING PAYMENT MAR</b>	<b>\$</b>	<u><u>7,300.00</u></u>



# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	April 25, 2016
Submitted by:	Janet Gingras

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**SUBJECT: Appointment of Representative to Cachuma Project Trust Fund and Renewal Fund Committee and Betterment Fund Use of Funds Discussion**

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**SUMMARY:**

On April 14, 1996, Reclamation and the Santa Barbara County Water Agency (SBCWA) entered into the Renewal Master Contract, which provides for Water Service from the Cachuma Project effective through September 30, 2020. Article 27 of the Renewal Master Contract provides that the Cachuma Member Units establish a fund (Renewal Fund) for the purpose of financing Cachuma Project related activities. The aggregate amount to be deposited in the Renewal Fund at the start of each Water Year by the Cachuma Member Units is not-to-exceed an amount which bears a ratio to \$257,100, which is inverse to the ratio which the aggregate amount paid into the Warren Act Trust Fund bears to \$300,000.

Article 27 also provides that Reclamation and the Cachuma Member Units are to jointly develop a Long Term Plan and Annual Work Plans for expenditure of the Renewal Fund monies for purposes consistent with the Renewal Master contract. Article 3 (c) of the Warren Act MOU provides that Cachuma Project Authority (CPA), now COMB, manages and administers the Warren Act Trust Fund. Article 4 of the Warren Act MOU provides for the creation of a Trust Fund Committee, which is comprised of one representative each from the Santa Barbara County Water Agency and COMB.

Resolution No. 249, approved by the COMB Board of Directors, established the process for administration of the Cachuma Project Trust Fund and the Cachuma Master Contract Renewal Fund which are to be merged and carried out under a single committee directing the preparation and implementation of Long Term and Annual Work Plans. The Trust Fund Committee is now referred to as the Trust Fund / Renewal Fund Committee and develops a single Long Term Plan and Annual Plans for expenditure of monies from both Funds. Further, the COMB Board shall appoint a representative to that Committee, based on recommendations from the Cachuma Member Units, and the representative shall work with the Bureau of Reclamation Committee member to develop joint plans for use of the funds.

In addition, included in the Renewal Member Unit Contracts, Article 8 (b) states that the "Water Agency shall provide \$100,000 per year during the term hereof for beneficial purposes consistent with the Water Agency Act and within the Santa Ynez River watershed and the Cachuma Project service area." Decisions relating to expenditure of these funds require concurrence by both the Water Agency and the Cachuma Member Units.

For Board consideration, it is recommended that the General Manager be appointed to serve as the Member Units' representative on the Trust Fund / Renewal Fund Committee.

**RECOMMENDATION:**

Board appoint the Cachuma Operation and Maintenance Board General Manager to serve as the Cachuma Member Units' representative for the Cachuma Project Trust Fund and Renewal Fund Committee and Betterment Fund use of funds discussion.

**LIST OF EXHIBITS:**

None at this time.

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	April 25, 2016
Submitted by:	Janet Gingras

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**SUBJECT:**                    **Lauro Stop Valve Replacement Project**

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**SUMMARY:**

The Lauro Stop Valve, a 42" Butterfly valve located in the upper maintenance yard of the COMB property and adjacent to the Lauro Reservoir outlet works tunnel, is primarily used to direct flow into Lauro Reservoir via the 42" flume inlet. The valve also serves as an isolation point, allowing COMB operators the ability to bypass the reservoir and supply water directly to Cater Water Treatment Plant in the event of an emergency.

During the 2015 annual valve exercise, COMB staff determined the valve to be inoperable. Subsequent inspection of the valve's internal components revealed a broken sheer pin inside the valve's gear reduction unit. A replacement sheer pin was recently purchased as an operable solution but also failed. Staff has determined replacement of the valve is necessary.

After excavation and site review, HDR Engineering Inc. provided technical specifications to be used for vendor quotations. Four valve manufacturers were contacted and subsequently provided proposals for fabrication of the valve which was specified to meet a ninety day delivery time. Evaluation of the proposals will be conducted by HDR Engineering, Inc. Due to the lead time associated with the fabrication of this valve, staff is requesting authorization to purchase the valve from the HDR recommended vendor in an amount not-to-exceed \$25,000. Installation of the valve will be budgeted for and occur in fiscal year 2016-17.

**FISCAL IMPACTS:**

Funds for purchase of replacement valve are included in current fiscal year budget.

**LEGAL CONCURRENCE:**

N/A

**COMMITTEE STATUS:**

With the estimated ninety day lead time, a Special Operations Committee meeting has been scheduled for Monday, April 25<sup>th</sup> to consider a recommendation for submission to the Board of Directors.

**RECOMMENDATION:**

Board approve authorizing the General Manager to issue a purchase order to the HDR recommended vendor for purchase of the Lauro Stop Valve in an amount not-to-exceed \$25,000.

**LIST OF EXHIBITS:**

N/A



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.”*

April 25, 2016

**General Manager Report**

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

COMB Fiscal Year 2016-17 Operating Budget Development Process

The COMB Fiscal Year 2016-17 operating budget development process is well underway with internal updates of the Infrastructure Improvement Plan, Habitat Improvement Plan and projected equipment, contract labor, materials and supplies, and general and administrative expenditures forecast. The draft operating budget will be provided to the Member Agency General Managers during the second week of May for review and comment prior to submittal to the Administrative Committee.

IRWMP Proposition 84 Grant Reimbursement

The invoices, project completion report, and project support deliverables pertaining to the IRWMP Proposition 84 grant reimbursement for the Emergency Pumping Facilities Project were submitted and approved by the Department of Water Resources during March. Pursuant to the legislative process, disbursement of funds will be issued following a thirty to sixty day administrative period. The County will confirm and transmit reimbursement to grant participants once funding has been received.

Cachuma Member Unit Managers Meeting

The Cachuma Member Unit Manager meeting is hosted monthly by the Santa Barbara County Water Agency and was held on Wednesday, April 6, 2016. The agenda topics included Cachuma Project remaining water estimates, Cachuma Member Unit draft planned supply and demand schedules, AECOM isolation protocol development status, the Emergency Pumping Facilities Project relocation update, and accounting for evaporation, system losses and unaccounted for water. Representatives from Reclamation joined the discussion through a conference call.

The Water Agency provided an updated graph showing a snapshot of the estimated remaining water in the lake divided into carryover water, ANA/BNA water, minimum pool, imported water stored, and unallocated water as of March 31, 2016. COMB supplied a demand schedule with projections obtained from the Member Agencies which included planned versus actual conveyance related to Cachuma project carryover water and state/supplemental water deliveries/balances as of March 31, 2016. In addition to the summarized matrix, sharing individual planning data is important to provide each of the Member Agencies comprehensive information as they advance their water supply and demand portfolios for the current and subsequent water year.

As a result of previous discussions concerning accounting for evaporative losses, COMB provided the Member Agencies' projections through 2016 based on the "B3" scenario (implemented by Reclamation in December) until unallocated water is exhausted. The estimated timeframe for unallocated water to be exhausted is mid-July 2016. The projections then contemplate all water subject to evaporative losses would share proportionately in actual evaporative losses each month. These accounts include carryover water balances at the end of each month and any state or supplemental water balances in storage after thirty days. ANA/BNA water is not subject to evaporative losses.

Unaccounted for water is the difference between production and deliveries as shown on the monthly Cachuma Project Production and Use Report. Components comprising unaccounted for water include meter read timing, under-reading meters, evaporative losses from open reservoirs, treatment plant losses, natural toe drain losses, and general system losses. During times of increased storage in the lake, the unaccounted for water has essentially been charged to lake storage. Per Reclamation, effective March 1, 2016, the unaccounted for water will be charged to the Member Agencies in order to balance the production and deliveries from the system. COMB presented a suggested weighted method to allocate the system losses. The allocation method is currently under discussion by the Member Agencies. Due to the ACWA conference held during the first week of May, the next Member Agency Manager meeting is scheduled for May 11, 2016.

### Operations Division Activities

- Drought Emergency Pumping Facility Project (EPFP)

The EPFP is currently operating at site one location with an approximate operational depth of eighteen feet. Water quality is the primary concern for that location and has been acceptable to date. The system has been operating at average flows of 18 mgd for month of April. With the continued deliveries of state and supplemental water into the lake by the South Coast Member Agencies, along with moderate rainfall and conservative deliveries, the lake elevation of 665' has remained consistent since the beginning of the calendar year.

Materials for the additional pipeline extension were delivered by the contractor to the original staging yard near the Cachuma marina in late March. COMB sent a letter to Cushman Contracting Corporation authorizing them to proceed with all work, commencing April 18, 2016, which includes mobilization at the site 2 location staging and fusing yards, pile driving, and any remaining work necessary to relocate the Emergency Pumping Facilities barge to location 2 subject to all provisions of the contract documents.

The relocation will require a two day shutdown of the system. The shutdown schedule is currently being formulated led by Project Engineer, HDR, with Goleta Water District, COMB and the City of Santa Barbara discussing viable dates. PGE is in the process of completing engineer designs for the site 2 location. Once the barge facility is relocated, operating the pumps to obtain maximum efficiency is envisioned to occur during the night-time hours to promote savings on energy costs. The operation and maintenance costs will increase by twenty-five percent once the barge facility is fully operational at the site 2 location. Projected 89-18 releases will occur after the pumping facility is relocated.

- Air Vacuum Air Release (AVAR) Valve & Blow-off Structures Engineer Designs

The Board approved Professional Services Agreement with HDR Engineering, Inc. (HDR) for the AVAR and Blow-off engineer design work has been executed. Dan Ellison, Project Manager for HDR, has scheduled a project kick-off meeting for Monday, May 2<sup>nd</sup> to review all records within COMB's files. Following the initial review, a field investigation will be scheduled which will include the air vacuum air release valve and blow-off valve sites located in the lower reach of the South Coast Conduit. A technical memorandum will be developed and presented after the field investigations are concluded.

- Development of System Isolation Protocols

AECOM will be performing the work associated in developing the system isolation protocols as approved by the COMB Board. A proposed project schedule will be discussed and kick-off activities are slated to begin the last week in April.

- 2016 Watershed Sanitary Survey

The Professional Services Agreement with Summers Engineering, Inc. for the Watershed Sanitary Survey was executed and work is scheduled to begin within the next two weeks. Mr. Reynolds of Summers Engineering, Inc. will begin by meeting with staff of the respective water districts to discuss current

General Manager Report  
April 25, 2016

operations and perform field survey work at each of the reservoir facilities within the Upper and Mid Santa Ynez River watershed. As work on the survey progresses, an update will be provided to the Board.

Fisheries Division Activities

During the first week of April, Reclamation's Resource Management Division requested COMB's Fisheries Biologist team to perform additional water quality testing and an assessment of the abundance of *O. Mykiss* in Hilton Creek as compared to the Long Pool and the 154 reach. The request from Reclamation was made to consider what conditions might reasonably be expected to occur during this year from late spring until the next precipitation season in anticipation of determining actions necessary with regard to critical drought operations. The COMB report on the data was compiled and submitted to Reclamation on April 15<sup>th</sup> as requested. A conference call was held on Monday, April 18<sup>th</sup> for discussion and clarification of the gathered and reported data. Further discussion is scheduled for Monday, April 25<sup>th</sup>.

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

Respectfully Submitted,

*Janet Gingras*

General Manager



## CACHUMA OPERATION AND MAINTENANCE BOARD

### MEMORANDUM

**DATE:** April 25, 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 March was 782.2 acre-feet, for an average daily flow of 25.2 acre-feet. Lake elevation was 664.98 feet at the beginning of the month and 665.20 feet at the end. Storage change increased 198 acre-feet. CCWA wheeled 950.3 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
- Meter calibration and flushing performed on all Venturi meters
- 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:

- ✓ Spray Paint Safety
- ✓ Make Trenching a Shore Thing
- ✓ Preventing Sprains and Strains
- ✓ Diesel Exhaust

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

- A broken and deteriorating drop inlet trash rack was discovered by the Operations Staff. Supplier quotes for the fabrication of a new drop inlet trash rack were over \$7,000; however, COMB personnel was able to re-design and fabricate the new trash rack using salvaged steel from the old trash rack for under \$1,400 (See Photos).
- The “Stop Valve” located in the COMB yard was re-exposed during a more thorough investigation in order to conduct additional troubleshooting. Staff installed a high strength sheer pin and attempted to open the valve again. Unable to open the valve, staff determined there were further issues present within the gear mechanism than previously thought, and that the valve must be replaced. COMB has since engaged HDR Engineering, Inc. to perform an on-site investigation and write technical specifications for a new, replacement valve. Staff has received those specifications and requested quotes from four valve manufacturers (See Photos).
- An evaporation station was installed in the Lauro yard to monitor the amount of water evaporating from Lauro Reservoir. Training was conducted by the Dam Tenders from Bradbury Dam, who made several valuable suggestions to Staff (See Photos).
- Annual weed abatement was completed at the Lauro yard, Lauro Reservoir, Glen Anne Site, and Glen Anne Reservoir. This involves knocking down vegetation and applying herbicide to the remainder of the vegetation, reducing the amount of visits to the site and the amount of physical labor of required of personnel.
- Bi-annual maintenance on all power equipment was completed. Maintenance includes changing oil, changing fuel and air filters, replacing spark plugs and fuel lines, replacing broken parts, etc.
- Staff performed continual inspection of all dams, reservoirs, valve pits, and buildings during and after weather events.
- Staff performed post-storm maintenance and clean-up of all debris.

- The Operations Division continually inspects all sites, reservoirs, and the South Coast Conduit for items to add to the IIP as future projects.
- Several South Coast Conduit structures were cleaned and maintained in accordance to COMB's annual work plan. These structures include: 16+21 AV, 27+80 BO, 38+72 AV, 44+75 BO, 67+86 AV, 74+02 BO, 83+90 BO, 87+70 Sheffield tunnel entrance, 199+63 AV, 147+91 Sheffield tunnel exit, 223+40 BO, 225+98 AV, 227+20 BO, 230+51 AV. (See Photos)

Additionally, Operations staff has been involved in activities related to the EPFP, IIP, and investigation of the Lower Reach AVAR conditions.

## Pictures

Storm Inlet



## Lauro Stop Valve



## Structure maintenance



## Lauro Reservoir Evaporation Monitoring System





# CACHUMA OPERATION AND MAINTENANCE BOARD

## BOARD MEMORANDUM

**DATE:** April 25, 2016  
**TO:** Janet Gingras, General Manager  
**FROM:** Tim Robinson, Fisheries Division Manager  
**RE: MONTHLY FISHERIES DIVISION REPORT**

### HIGHLIGHTS:

- The draft 2013 Annual Monitoring Summary has been submitted to the Science Review Team.
- The Hilton Creek Emergency Backup System (HCEBS) currently is delivering water to Hilton Creek by gravity flow at a flow rate of approximately 1.1 cfs according to the USBR Daily Operations Reports. At that low flow rate, only three migrating adult have been able to move into Hilton Creek from the Lower Santa Ynez River and only two redds have been observed this spawning season.

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.

**Redd Surveys:** Redd surveys are conducted approximately every two weeks from mid-January through May. Surveys were initiated in January within the LSYR mainstem in the Highway 154, Refugio, and Alisal reaches where access was permitted, and certain sections of Hilton, Quiota, and Salsipuedes/El Jaro creeks. The number of redds is reported in the Annual Monitoring Plan. The redd surveys to date have observed only one redd in Salsipuedes Creek and two redds in Hilton Creek; no redds have been observed in Quiota Creek or the LSYR mainstem within the Highway 154, Refugio or Alisal reaches.

**Cachuma Lake Oak Tree Restoration Program:** COMB staff, with guidance from the 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.

### **Tributary Project Updates:**

**Quiota Creek Crossing 0:** COMB received a 2014 CDFW-FRGP Grant for \$671,635 with a landowner construction match of \$50,000. 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. Designs will be submitted to the County and CDFW-NMFS as well as permits submitted prior to the end of the first week in April. This project was discussed at the 3/1/16 Fisheries Committee meeting.

**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 COMB Board 3/28/16 meetings. COMB has now accepted the grant and the project is moving forward as quickly as possible with the intent to go to construction in the fall of this year.

**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 will be discussed at the next Fisheries Committee meeting as good progress has been made on this effort.

**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. 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 soon.

### **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, and the 2015 WR 89-18 release started on 8/3/15 and ended on 9/26/15. 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. Determination of critical drought and the associated accounting has not been finalized and approved by NMFS hence is not reflected in Table 1.

**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>		14,479	
<b>Total:</b>	9,184	20,112	3,551
* Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013.			
** Values as of 3/31/16.			
*** 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:** The draft 2013 AMR has been sent to the Science Review Team. Staff is also working on the draft 2014 AMR. Staff produced a USBR requested data summary of the water quality conditions and the fishery downstream of Bradbury Dam that is being used for their Critical Drought Consultation with NMFS.

**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. The Fisheries Division Manager gave a lecture at Ventura Community College on 4/13/16 for the GIS Certificate Program on the use of GIS technologies for implementation, management and reporting of the Lake Cachuma Oak Tree Program.

**Consultant Activity Summary:**

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

**Stetson Engineers** (Ali Shahroody) – Santa Ynez River hydrological analyses.

**Cardno** (Jean Baldrige) – BO compliance tasks and support.

**Hanson Environmental** (Chuck Hanson) – BO compliance tasks and support.

**COM3 Consulting** (Gerald Comati) – Quiota Creek Crossing 8 CalTrans grant application.

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	April 25, 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 June 1, 2015 to the present (6/1/15 – 4/25/16, Table 1). Labor and expenses for the entire fiscal year (July 2015 - June 2016) 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 6/1/15.

	June 2015	July 2015	August 2015	Sept 2015	Oct 2015	Nov 2015*	Dec 2015*	Jan 2016	Feb 2016**	March 2016	April 2016
<b>Year 8 Oaks (2015-2016)</b>							New Trees Gopher Baskets Fertilizer/Compost Deer Cages Mulched/Irrigated	New Trees Gopher Baskets Fertilizer/Compost Deer Cages Mulched/Irrigated	New Trees Gopher Baskets Fertilizer/Compost Deer Cages Mulched/Irrigated	Irrigated Weeded	Irrigated Weeded
<b>Year 7 Oaks (2014-2015)</b>	Irrigated Weeded Cage maint.	Irrigated Weeded Cage maint.	Irrigated Weeded Cage maint.	Irrigated Weeded Cage maint.	Irrigated Weeded				Weeded Mulched	Irrigated Mulched Weeded	Irrigated Weeded
<b>Year 6 Oaks (2010-2011)</b>					Weeded Mulched						
<b>Year 5 Oaks (2009-2010)</b>					Irrigated Fertilized						
<b>Year 4 Oaks (2008-2009)</b>						Irrigated Fertilized Cage maint.				Cage maint.	
<b>Year 3 Oaks (2007-2008)</b>						Irrigated Fertilized Cage maint.				Cage maint.	
<b>Year 2 Oaks (2006-2007)</b>	Irrigated Weeded					Fertilized					
<b>Year 1 Oaks (2005-2006)</b>	Irrigated Weeded					Fertilized					
*November and December work included annual oak tree inventory											
**February work included Year 8 oak tree inventory											

The planting of new oak trees (Year 8) during the fall of 2015 and winter of 2016 was completed in February. Approximately 807 new oak trees were planted. The Fisheries Division finished another round of irrigation and weeding of the Year 7 oak trees between late March and early April. A new round of irrigation and

weeding of the Year 8 trees is underway. With fish trapping still ongoing at Hilton Creek, the Fisheries Division has been spending their time maintaining the oak trees in between trap checks. Maintenance has included irrigating, weeding, mulching, and cage maintenance at multiple locations. As discussed and recommended by the Lake Cachuma Oak Tree Committee, a 2000 gal water truck has been rented to facilitate the extensive watering effort needed (Figure 1). It has been in operation less than a week and the benefits have already been noted to accelerate irrigation tasks and reduce the number of trips to the dam for refilling.

**FINANCIAL IMPACT:** Tracked but not included.

**LEGAL CONCURRENCE:** N/A

**ENVIRONMENTAL COMPLIANCE:** N/A

**COMMITTEE STATUS:** N/A

**RECOMMENDATION:** For Board information only.

**LIST OF EXHIBITS:**

- Figure 1.



**Figure 1:** Rented watering truck in operation irrigating oak trees near the Stability Berm downstream of Bradbury Dam.





## 15-16 ENTITLEMENT

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

(All in rounded Acre Feet)

	MONTH TOTAL					YTD TOTAL
<b>WATER PRODUCTION:</b>						
Cachuma Lake (Tec. Diversion)						6,413
Tecolote Tunnel Infiltration						403
Cachuma Lake (County Park)						8
State Water Diversion Credit						1,962
Bishop Ranch Diversion						0
Meter Reads						4,539
So. Coast Storage gain/(loss)						(48)
<b>Total Production</b>						<b>6,824</b>
<b>Total Deliveries</b>						<b>6,454</b>
Unaccounted-for						370
% Unaccounted-for						5.42%
	<b>GWD</b>	<b>SB CITY</b>	<b>MWD</b>	<b>CVWD</b>	<b>SYRWCD I.D. #1</b>	<b>TOTAL</b>
<b>WATER USE:</b>						
M&I	0	131	125	0	1	257
Agricultural	0	0	9	0	0	9
	<b>0</b>	<b>131</b>	<b>134</b>	<b>0</b>	<b>1</b>	<b>266</b>
Unaccounted Reconciliation~	4	17	5	1	0	27
<b>Total for Month</b>	<b>4</b>	<b>148</b>	<b>139</b>	<b>1</b>	<b>1</b>	<b>294</b>
Same Mo/prev. yr	0	90	0	0	2	92
M&I Yr to date	1,038	1,868	840	124	7	3,877
Ag. Yr to date	413	0	89	176	0	678
<b>TOTAL YTD</b>	<b>1,451</b>	<b>1,868</b>	<b>929</b>	<b>300</b>	<b>7</b>	<b>4,556</b>
USAGE % YTD	66.9%	42.5%	26.6%	25.7%	13.2%	40.4%
<b>Previous Year/YTD</b>	<b>1,543</b>	<b>887</b>	<b>0</b>	<b>483</b>	<b>9</b>	<b>2,922</b>
Evaporation #	0	0	0	0	0	0
Evaporation, YTD	0	0	0	0	0	0
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
Transfers/Adjustment #	0	0	0	0	0	0
Transfers/Adjustment	0	0	0	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>717</b>	<b>2,531</b>	<b>2,557</b>	<b>865</b>	<b>49</b>	<b>6,718</b>

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

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

State Water Deliveries for March to Lake Cachuma were: MWD 0 AF; CVWD 0 AF  
GWD 596 AF (Morehart 0 AF); City of S.B. 367 AF; and LaCumbre 0 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 March 2016.

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

~ Reconciliation of unaccounted water - (March 27 AF)

(Est. 7 AF Lauro Evap @ SCMU entitlement)

(Cater Treatment Plant Losses @ 2% of Cater Influent - 14 AF)(Calc @ percentage of 3 SCMU deliveries)

(Remainder - 6 AF @ percentage of total deliveries)

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

MONTH: **March 2016**

**GLEN ANNIE RESERVOIR**

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

**LAURO RESERVOIR**

Capacity at 549' elevation:	600 Acre Feet
Capacity at sill of intake at 512' elevation:	84.39 Acre Feet
Stage of Reservoir Elevation	544.30 Feet
Water in Storage	496.20 Acre Feet

**ORTEGA RESERVOIR**

Capacity at 460' elevation:	65 Acre Feet
Capacity at outlet at elevation 440':	0 Acre Feet
Stage of Reservoir Elevation	446.70 Feet
Water in Storage	18.58 Acre Feet

**CARPINTERIA RESERVOIR**

Capacity at 384' elevation:	45 Acre Feet
Capacity at outlet elevation 362':	0 Acre Feet
Stage of Reservoir Elevation	374.00 Feet
Water in Storage	21.34 Acre Feet

**TOTAL STORAGE IN RESERVOIRS**

	536.12 Acre Feet
Change in Storage	-56.25 Acre Feet

**CACHUMA RESERVOIR\***

Capacity at 750' elevation:	184,121 Acre Feet
Capacity at sill of tunnel 660' elevation:	24,281 Acre Feet

Stage of Reservoir Elevation	665.2 Feet
Water in Storage	28,777 AF
Surface Area	900
Evaporation	341.7 AF
Inflow	361.2 AF
Downstream Release WR8918	0.0 AF
Fish Release (Hilton Creek)	73.6 AF
Outlet	142.4 AF
<b>Spill/Seismic Release</b>	0 AF
State Project Water	950.3 AF
Change in Storage	198 AF
Tecolote Diversion	782.2 AF

**Rainfall: Month: 3.02 Season: 11.03 Percent of Normal: 61%**



**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. 3/31/16**

Month	Approved Schedule		Carryover Previous Year	WATER USED CHARGED TO CARRYOVER BALANCES				WATER USED CHARGED TO CURRENT ENTITLEMENT		
	Current Year	0		2168	Evap	Allocation		M & I	Agr	Total
						Div	M & I			
Oct				0	567	397	170	0	0	0
Nov				0	456	319	137	0	0	0
Dec				0	424	318	106	0	0	0
Jan				0	0	0	0	0	0	0
Feb				0	0	0	0	0	0	0
Mar				4	0	0	0	0	0	0
Apr				0	4	0	0	0	0	0
May				0	0	0	0	0	0	0
Jun				0	0	0	0	0	0	0
Jul				0	0	0	0	0	0	0
Aug				0	0	0	0	0	0	0
Sep				0	0	0	0	0	0	0
Total				1,038	413	1,451				

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

REMAINING BALANCES			
M & I		AG	
Month	1,601	1,049	552
Oct	1,145	730	415
Nov	721	412	309
Dec	721	412	309
Jan	721	412	309
Feb	721	412	309
Mar	717	408	309
Apr			
May			
Jun			
Jul			
Aug			
Sep			
Total	1,601	1,049	552



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

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

Contract Entity: **City of Santa Barbara**  
 Last updated by **C.O.M.B. 3/31/16**

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	148	0	148	0	148	148	148	148	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	0	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,868</b>	<b>0</b>	<b>1,868</b>	<b>0</b>	<b>1,868</b>	<b>1,868</b>	<b>1,868</b>	<b>1,868</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	Agr
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	Agr
Oct	3,732	0
Nov	3,245	0
Dec	2,798	0
Jan	2,764	0
Feb	2,679	0
Mar	2,531	0
Apr	2,531	0
May	2,531	0
Jun	2,531	0
Jul	2,531	0
Aug	2,531	0
Sep	2,531	0
<b>Total</b>	<b>2,531</b>	<b>0</b>

TOTAL 2,531

**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. 3/31/16

Month	TOTAL WATER USED		WATER USE CHARGED TO CARRYOVER BALANCES				WATER USE CHARGED TO CURRENT ENTITLEMENT		
	M & I	Agr	Evap	Div	Total	M & I	Agr	M & I	Agr
Oct	2	0	0	0	2	2	0	0	0
Nov	1	0	0	1	1	1	0	0	0
Dec	1	0	0	1	1	1	0	0	0
Jan	1	0	0	1	1	1	0	0	0
Feb	1	0	0	1	1	1	0	0	0
Mar	1	0	0	1	1	1	0	0	0
Apr	0	0	0	1	1	1	0	0	0
May	0	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0	0
Total	8	0	0	8	8	56	0	0	0

**CONVERSIONS**

STORAGE WATER		CURRENT SCHEDULE	
M & I	Agr	M & I	Agr
2	-2	0	0
1	-1	0	0
1	-1	0	0
1	-1	0	0
1	-1	0	0
1	-1	0	0

**SCHEDULE AND REVISIONS**

Month	SCHEDULE AND REVISIONS		SCHEDULE AND REVISIONS	
	M & I	Agr	M & I	Agr
Begin Bal	0	56	0	56
Total	56	0	56	0

**REMAINING BALANCES**

Month	REMAINING BALANCES		REMAINING BALANCES	
	M & I	Agr	M & I	Agr
Begin Bal	1.61	54	0	54
Oct	1.38	53	0	53
Nov	1.38	52	0	52
Dec	0.97	51	0	51
Jan	1.26	50	0	50
Feb	1.41	48	0	49
Mar				
Apr				
May				
Jun				
Jul				
Aug				
Sep				
Total	16.34	488	0	488

\*NOTE:



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

Contract Entity: Santa Barbara Co. Water Agency  
 Last updated by C.O.M.B. 3/31/16

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			
	Month	Use %	M & I	Agr	Total	Evap	Acre-feet		M & I	Agr	Total	Allocation		M & I	Agr	Total
							Div	Total				M & I	Agr			
Oct	14.84%	1,385	288	1,673	0	1,673	1,385	288	1,385	288	1,673	1,385	288	1,673	0	0
Nov	10.60%	1,001	194	1,195	0	1,195	1,001	194	1,001	194	1,195	1,001	194	1,195	0	0
Dec	10.39%	990	181	1,171	0	1,171	990	181	990	181	1,171	990	181	1,171	0	0
Jan	1.07%	115	6	121	0	121	115	6	115	6	121	115	6	121	0	0
Feb	0.92%	102	1	103	0	103	102	1	102	1	103	102	1	103	0	0
Mar	2.60%	285	9	294	0	294	283	9	283	9	294	283	9	294	0	0
Apr		0	0	0	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	0	0	0
Jun		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total		3,878	679	4,557												

**CONVERSIONS**

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

**COUNTY PARKS**

Month	A.F. Used		REMAINING BALANCES	
	M & I	Agr	M & I	Agr
Oct	1.61	1,400	8,285	1,400
Nov	1.38	1,205	7,285	1,205
Dec	1.38	1,023	6,296	1,023
Jan	0.97	1,016	6,182	1,016
Feb	1.26	1,014	6,081	1,014
Mar	1.41	1,004	5,799	1,004
Apr				
May				
Jun				
Jul				
Aug				
Sep				
Total				

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

MONTH	DELVRD TO LAKE	CVWD		Evap	MWD		Evap/Spill	Delvd to SC		S.B.	Delvd to Lake		GWD	Evap/Spill	Delvd to SC		LCMWC	Evap/Spill	Delvd to Lake		RSYS	Delvd to SC	MLC	Delvd to SC	
		Delvd to Lake	Stored		Delvd to Lake	Stored		Delvd to Lake	Stored		Delvd to Lake	Stored			Delvd to Lake	Stored			Delvd to Lake	Stored					Delvd to Lake
2015																									
Bal. Frwd	0	0	0	0	0	874	0	0	0	0	0	0	0	0	0	0	609	0	0	0	0	0	0	0	0
January	833	0	0	0	0	765	5	104	363	0	363	470	201	0	269	0	561	3	44	0	0	0	0	0	0
February	789	0	0	0	0	650	7	107	366	0	366	423	492	2	130.1	0	510	5	46	0	0	0	0	0	0
March	1284	170	52	118	0	725	11	195.9	363	0	363	462	444	9	501	0	456	9	5	2	5	0	5	2	0
April	1152	192	130	111	3	807	18	231.4	428	0	428	193	0	11	626	0	434	11	5	3	5	0	5	3	0
May	658	108	139	95	4	762	23	258.7	305	0	305	0	0	0	0	0	413	13	8	5	0	5	3	0	3
June	371	0	50	84	6	507	30	224.7	366	0	366	0	0	0	0	0	390	16	6	0	0	0	5	0	5
July	306	0	0	48	2	186	21	299.6	306	0	306	0	0	0	0	0	368	16	6	0	0	0	0	0	0
August	40	0	0	0	0	0	12	174	35	0	35	0	0	0	0	0	340	24	5	0	0	0	0	0	5
September	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	340	22	13	0	0	0	0	0	7
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	288	15	37	0	0	0	0	0	0
November	60	20	0	0	0	0	0	20	20	0	20	0	0	0	0	0	217	9	63	0	0	0	0	0	0
December	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140	5	72	0	0	0	0	0	7
<b>Total</b>	<b>5542</b>	<b>490</b>	<b>0</b>	<b>475.7</b>	<b>14</b>	<b>870</b>	<b>0</b>	<b>128</b>	<b>1616</b>	<b>0</b>	<b>2552</b>	<b>1548</b>	<b>0</b>	<b>21</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>

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

MONTH	DELVRD TO LAKE	CVWD		Evap	MWD		Evap/Spill	Delvd to SC		S.B.	Delvd to Lake		GWD	Evap/Spill	Delvd to SC		LCMWC	Evap/Spill	Delvd to Lake		RSYS	Delvd to SC	MLC	Delvd to SC	
		Delvd to Lake	Stored		Delvd to Lake	Stored		Delvd to Lake	Stored		Delvd to Lake	Stored			Delvd to Lake	Stored			Delvd to Lake	Stored					Delvd to Lake
2016																									
Bal. Frwd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140	0	0	0	0	0	0	0	0
January	653	54	38	16	0	0	0	367	0	367	0	200	136	0	64	0	157	3	10	0	0	0	0	2	0
February	693	0	36	0	2	0	0	366	0	366	0	200	131	8	197.5	0	142	9	6	0	0	0	0	2	0
March	965	0	33	0	3	0	0	367	0	367	0	596	525	10	192.2	0	116	11	14	0	0	0	0	2	0
April	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
May	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	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	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	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	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
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
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
<b>Total</b>	<b>2311</b>	<b>54</b>	<b>33</b>	<b>16</b>	<b>5</b>	<b>125</b>	<b>0</b>	<b>125</b>	<b>1100</b>	<b>0</b>	<b>1100</b>	<b>996</b>	<b>525</b>	<b>18</b>	<b>454</b>	<b>30</b>	<b>116</b>	<b>23</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>6</b>



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



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

**AIS INSPECTION PROGRAM LAUNCH DATA:**

Cachuma Lake Recreation Area Launch Data -- March 2016		
Inspection Data		
Total Vessels entering Park	36	
Total Vessels launched	36	
Total Vessels Quarantined	0	0%
Returning with Boat Launch Tag	2	6%
New: Removed from Quarantine	*	
Kayak/Canoe: Inspected, launched	34	94%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
Quarantine Data		
Total Vessels Quarantined	0	
Quarantined 7 days	*	
Quarantined 14 days	*	
Quarantined 30 days	0	
Quarantine Cause		
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	
Demographic Data		
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: 2016.03.24; 13:00 – 16:00 PDT  
 Method: 8 PVC/Cement Sampling Stations; 164 linear feet of line  
 Surveyors: Rosey Bishop (SBCO Parks), Carrie Culver (Sea Grant), Liz Gaspar (SBCO volunteer)  
 Lake elevation: Max feet: 753.00, current: 665.28; Max acre-feet: 193,000, current: 28,849;  
 Current capacity: 14.9%