

# REVISED AGENDA

REGULAR MEETING  
OF  
CACHUMA OPERATION AND MAINTENANCE BOARD

3301 Laurel Canyon Road  
Santa Barbara, CA 93105

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Monday, October 24, 2011

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**  
**Action: Recommend Approval of Consent Agenda by vote on one motion unless member requests separate consideration**
  - a. Minutes September 26, 2011 Regular Board Meeting and September 21, 2011 Special Board Meeting
  - b. Investment of Funds
    - Financial Reports
    - Investment Reports
  - c. Payment of Claims
4. **MODIFIED SCC UPPER REACH RELIABILITY PROJECT**  
**Action: Recommend Approval by Motion and Vote of the Board**
  - a. Invitation to Bid for Construction of the Modified Upper Reach Reliability Project  
  
**Action: Recommend Approval by Motion and Vote of the Board**
  - b. Construction Management Services for the Modified Upper Reach Reliability Project
5. **REPORT FROM BOARD COMMITTEES**
  - a. Board Administration Committee Meeting, October 18, 2011
    - 1) COMB Assessments and Member Unit Payment of Assessments

6. **SANTA BARBARA COUNTY PURSUING QUIOTA CREEK EASEMENTS**
7. **VERBAL UPDATE FROM GENERAL COUNSEL**
  - a. Joint Defense and Cooperation Agreement
  - b. MOU with the County of Santa Barbara
8. **QUIOTA CREEK PROJECT CROSSING #2 UPDATE**
  - a. Change Order for Quiota Creek Project Crossing #2 - Report from the General Manager
9. **OPERATIONS DIVISION ACTIVITIES**
  - a. Operations Report
10. **FISHERIES DIVISION ACTIVITIES**
  - a. Lower Santa Ynez River Fisheries Report
  - b. Cross Creek Ranch Fish Passage Project – Weir Repair
11. **REPORTS FROM THE MANAGER**
  - a. Cachuma Water Reports
  - b. Cachuma Reservoir Current Conditions
  - c. Lake Cachuma Quagga Survey
  - d. Verbal - Report on General Mangers Meeting, October 5, 2011
12. **DIRECTORS' REQUEST FOR AGENDA ITEMS FOR NEXT MEETING**
13. **[CLOSED SESSION]: CONFERENCE WITH LEGAL COUNSEL- ANTICIPATED LITIGATION**

**INITIATION OF LITIGATION PURSUANT TO GOVERNMENT CODE SECTION 54956.9(c). Two cases**
14. **MEETING SCHEDULE**
  - November 21, 2011 at 2:00 P.M., COMB Office
  - Board Packages Available on COMB Website  
[www.cachuma-board.org](http://www.cachuma-board.org)
15. **COMB ADJOURNMENT**

NOTICE TO PUBLIC

**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 a public hearing before the Board. The total time for this item will be limited by the President of the Board. If you wish to address the Board under this item, please complete and deliver to the Secretary of the Board before the meeting is convened, a "Request to Speak" forms including a description of the subject you wish to address.

**Americans with Disabilities Act:** In compliance with the Americans with Disabilities Act, if you need special assistance to 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.

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

**MINUTES OF A REGULAR MEETING  
Of the  
CACHUMA OPERATION & MAINTENANCE BOARD  
Held at the  
Cachuma Operation & Maintenance Board Office  
3301 Laurel Canyon Road, Santa Barbara, CA  
Monday, September 26, 2011**

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

The meeting was called to order at 2:04 p.m. by President Lauren Hanson who chaired the meeting. Those in attendance were:

**Directors present:**

Lauren Hanson	Goleta Water District
Bob Lieberknecht	Carpinteria Valley Water District
Doug Morgan	Montecito Water District
Dennis Beebe	SYR Water Conservation District, ID No. 1
Dale Francisco	City of Santa Barbara

**Others present:**

Bruce Mowry	Tony Trembley
Jim Colton	Adelle Capponi
John McInnes	Charles Hamilton
Harlan Burchardi	Chris Dahlstrom
Ruth Snodgrass	Janet Gingras
Tom Mosby	Kate Rees
Melinda Fournier	Zach Fournier
Tim Robinson	Rebecca Bjork
Sonia Fernandez	Bruce Wales
Megan Emami	David Flora Jr.

**2. Public Comment**

General Manager Bruce Mowry introduced COMB's newest employees, Megan Emami, Engineering Tech and David "Buddy" Flora, Water Service Worker I.

**3. Consent Agenda**

- a. Minutes:**  
August 22, 2011 Regular Board Meeting and September 8, 2011 Special Board Meeting
- b. Investment Funds**  
Investment Report  
**Payment of Claims**

Director Beebe moved to approve the Consent Agenda as presented, seconded by Director Francisco, passed 7/0/0.

ITEM # 3a

PAGE 1

**4. Report From Board Committees**

**a. Board Operations Committee Meeting, September 8, 2011**

Director Lieberknecht reported on the September 8, 2011 meeting, the agenda was included in the board packet.

**b. Board Fisheries Committee Meeting, September 14, 2011**

Director Hanson reported on the September 14, 2011 meeting, the agenda was included in the board packet.

**5. Joint Defense and Cooperation Agreement**

Counsel Tony Trembley reported that a draft agreement is being developed and would be coming from CCRB's General Counsel in a few weeks and should be ready to come before the COMB Board in October.

**6. Report on General Managers Meeting, September 7, 2011**

**a. Authorize Legal Expense for Review of the 1996 Contract Between the United States and Santa Barbara County Water Agency Providing For Water Service From the Project (Master Contract) and All Other Related Contracts**

General Manager Bruce Mowry was requesting direction from the Board regarding authorizing Legal Expense for the review of the Master Contract and all related agreements in relation to the accounting of water by COMB. The Board felt that the General Manager should review the agreements with the Member Unit General Managers prior to engaging Legal Counsel. If there is a need of further assistance it should be brought back to the Board.

**b. COMB Workload Management System**

General Manager Bruce Mowry requested that the Board consider the assistance of an outside firm to develop a Workload Management System for COMB. The Board felt that staff should fully develop a work plan before using the assistance of an outside firm and build on what is currently in place. When staff has been able to develop a plan and look at possible firms and software the Board would at that time consider the need for an outside firm. Mr. Mowry will update the Board regularly on the progress of the plan.

**7. Operations Division Activities**

**a. Operations Report**

The Operations report for August was included in the board packet.

**b. Boundary Meter Upgrade**

General Manager Bruce Mowry reported that the Boundary Meter located south of Toro Canyon Road and the accuracy of that meter has been a topic of discussion for years. Staff needs to fully investigate the costs of upgrading the Boundary Meter and associated electronics. This project is of a high priority because it is a billing meter; final fiscal impacts would need to be discussed with the Board. The Board directed Mr. Mowry to consult with General Manager Tom Mosby, MWD and General Manager Charles Hamilton,

CVWD as they have performed some investigations and reports on this meter. This information should be reviewed before making a decision on the repair.

**c. COMB O & M Work Plan**

A summary of COMB's O & M Plan was included in the board packet for information only.

**d. Contract Approval for Lauro Debris Basin Cleaning**

Handed out at the Board meeting was the purchase order, proposal and contract with Peter Lapidus Construction, Inc. for the cleaning of Lauro debris basin. General Manager Bruce Mowry reported that two contractors had been considered for the contract and Peter Lapidus Construction, Inc. was the lowest cost estimate.

Director Morgan moved to approve the contract with Peter Lapidus Construction, Inc. for the Lauro Debris Basin cleaning, seconded by Director Francisco. After discussion the Board added that the proposal should state that the assumption is the basin will be dry at the time work is performed based on the site visit with the contractor. The maker of the motion and the second approved this addition, motion passed 6/0/1, Director Beebe abstained.

**8. Modified SCC Upper Reach Reliability Project**

**a. Modified Upper Reach Reliability Project Consulting Services Agreement to Complete Contract Documents**

General Manager Bruce Mowry reported that several firms had expressed interest in completing the drawing files for the Modified Upper Reach Reliability Project. After consideration staff recommends that the Board approve entering into an agreement with RKA Consulting Group, Walnut, CA.

Director Morgan moved to approve a professional services agreement with RKA Consulting Group for the completion of the drawing files of the Modified Upper Reach Reliability Project for a contract value of not to exceed \$60,000 to be billed as time and materials with all work to be completed by October 20, 2011 subject to Legal Counsel review and any changes requested by COMB, seconded by Director Hanson.

The motion was passed by a roll call vote:

**Ayes:** Francisco, Lieberknecht, Hanson, Morgan

**Nays:** None

**Abstain:** Beebe

**Absent:** None

**b. Construction Management Services for the Modified Upper Reach Reliability Project**

Staff was requesting the Board approve COMB staff to perform the Construction Management Services for the Project. The Board directed General Manager Bruce Mowry to provide a work plan for this project then

ITEM # 3a

PAGE 3

they would consider the approval of COMB staff to perform the Construction Management for the Modified Upper Reach Reliability Project.

**9. Fisheries Division Activities**

**a. Lower Santa Ynez River Fisheries Report**

The monthly report was included in the board packet.

**b. Quiota Creek Project Crossing #2 Update**

The Crossing #2 Project is on schedule and will be completed within the allotted time frame. A copy of Change Order #1 was handed out at the Board meeting. New concrete footing was required at an additional cost of \$7,200.00.

**10. Reports From the Manager**

**a. Cachuma Water Reports**

The monthly water reports were included in the board packet.

**b. Cachuma Reservoir Current Conditions**

The daily operations report for Lake Cachuma through September 21, 2011 was included in the board packet.

**c. Lake Cachuma Quagga Survey**

The Cachuma Lake Quagga Survey for August was included in the board packet. No mussels were detected in August 2011.

**d. Report on Eleventh Annual Operations Coordination Meeting With Reclamation, September 13, 2011**

The agenda for the September 13, 2011 meeting was included in the board packet.

**e. Report on Topics of Interest with the County, September 19, 2011 Meeting**

General Manager Bruce Mowry reported on the meeting he had with Terri Maus-Nisich and Tom Fayram. They discussed areas that each agency would like to address in order to come to a better understanding between the two agencies.

**11. Directors' Request for Agenda Items for Next Meeting**

Director Beebe requested an update and status of the MOU with the County of Santa Barbara.

Director Morgan requested a Board Administration Committee meeting be schedule and a report from that committee at the October 24, 2011 Board meeting.

**12. [Closed Session]: Conference with Legal Counsel – Anticipated Litigation**

**Initiation of Litigation Pursuant to Government Code Section 54956.9(c) Two cases**

ITEM # 3a

PAGE 4

Counsel Tony Trembley announced the closed session.

The Board went in to closed session at 4:22 p.m. and came out of closed session at 4:43 p.m.

There was no action to report out of closed session.

**13. Meeting Schedule**

- The next regular Board meeting will be held October 24, 2011 at 2:00 P.M.
- The Agendas and Board Packets are available on the COMB website, [www.cachuma-board.org](http://www.cachuma-board.org)

**14. COMB Adjournment**

There being no further business, the meeting was adjourned at 4:44 p.m.

Respectfully submitted,

\_\_\_\_\_  
Bruce Mowry, Secretary of the Board

**APPROVED:**

\_\_\_\_\_  
Lauren Hanson, President of the Board

Approved \_\_\_\_\_

Unapproved \_\_\_\_\_ ✓

ITEM # 3a

PAGE 5

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

**TELECONFERENCE  
GOVT. CODE SECTION 54953 (b)**

**held at**  
3301 Laurel Canyon Road  
Santa Barbara, CA  
**Wednesday 21, 2011**

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

The meeting was called to order at 11:30 a.m. by President Lauren Hanson, who chaired the meeting. Those in attendance were:

**Directors Present:**

Lauren Hanson	Goleta Water District
Dale Francisco	City of Santa Barbara
Doug Morgan	Montecito Water District
Robert Lieberknecht	Carpinteria Valley Water District
Dennis Beebe (via phone)	SYR Conservation Dist ID#1

**Others present**

Bruce Mowry	Tony Trembley
Jim Colton	John McInnes
Charles Hamilton	Tom Mosby
Karl Meier	Ruth Snodgrass

**2. Public Comment**

There were no comments from the public.

**3. [Closed Session]: Conference With Legal Counsel – Anticipated Litigation  
[Government Code Section 54956.9]**

**a. Significant Exposure to Litigation Pursuant to Government Code Section  
54956.9(b): one case**

Counsel Tony Trembley stated Item 3 a is with respect to AECOM Task Order 37.

**b. Initiation of Litigation Pursuant to Government Code 54956.9(c): one case**

ITEM # 3a  
PAGE 6



The Board went in to closed session at 11:33 a.m. and came out of closed session at 1:14 p.m.

**4. Report Out Of Closed Session**

Counsel Tony Trembley stated that there was no action to report out of closed session.

**5. Termination of AECOM Task Order No. 37 [Design Services For Modified South Coast Conduit Upper Reach Reliability Pipeline Project]**

Director Francisco moved to terminate AECOM Task Order No. 37 for convenience effective September 21, 2011, seconded by Director Morgan.

The motion was passed by a roll call vote:

**Ayes:** Francisco, Lieberknecht, Morgan, Hanson

**Nays:** None

**Abstain:** Beebe

**Absen:t** None

**6. COMB Adjournment**

There being no further business, the meeting was adjourned at 1:16 p.m.

Respectfully submitted,

\_\_\_\_\_  
Bruce Mowry, Secretary of the Board

**APPROVED:**

\_\_\_\_\_  
Lauren Hanson, President of the Board

Approved \_\_\_\_\_

Unapproved \_\_\_\_\_ ✓

COMB  
Statement of Net Assets  
As of September 30, 2011

ASSETS

Current Assets

Checking/Savings

TRUST FUNDS

1210 · WARREN ACT TRUST FUND 123,286.10

1220 · RENEWAL FUND 10,042.90

Total TRUST FUNDS 133,329.00

1050 · GENERAL FUND 1,310,523.63

1100 · REVOLVING FUND 11,230.59

Total Checking/Savings 1,455,083.22

Other Current Assets

1010 · PETTY CASH 400.00

1200 · LAIF 3,850.70

1303 · Bradbury SOD Act Assmnts Rec 66,328.00

1304 · Lauro Dam SOD Assesmnt Rec 19,321.00

1305 · ACCRUED INTEREST RECEIVABLE 65.00

1400 · PREPAID INSURANCE 12,860.72

1401 · W/C INSURANCE DEPOSIT 6,529.00

Total Other Current Assets 109,354.42

Total Current Assets 1,564,437.64

Fixed Assets

1500 · VEHICLES 422,916.00

1505 · OFFICE FURN & EQUIPMENT 346,249.32

1510 · MOBILE OFFICES 97,803.34

1515 · FIELD EQUIPMENT 447,612.64

1525 · PAVING 22,350.00

1550 · ACCUMULATED DEPRECIATION -1,094,393.64

Total Fixed Assets 242,537.66

Other Assets

1910 · LT Bradbury SOD Act Assess Rec 5,557,253.07

1920 · LT Lauro SOD Act Assess Rec 954,102.00

1930 · OPEB LT Assessments Receivable 96,113.00

Total Other Assets 6,607,468.07

TOTAL ASSETS 8,414,443.37

COMB  
Statement of Net Assets  
As of September 30, 2011

LIABILITIES & NET ASSETS

Liabilities

Current Liabilities

Accounts Payable

2200 · ACCOUNTS PAYABLE

222,180.89

Total Accounts Payable

222,180.89

Other Current Liabilities

Payroll-DepPrm Admin

86.93

Payroll-DepPrm FD

6.93

Payroll-DepPrm Ops

53.86

2550 · VACATION/SICK

51,242.30

2561 · BRADBURY DAM SOD ACT

66,328.61

2563 · LAURO DAM SOD ACT

19,321.00

2565 · ACCRUED INTEREST SOD ACT

87,008.00

2590 · DEFERRED REVENUE

133,329.00

Total Other Current Liabilities

357,376.63

Total Current Liabilities

579,557.52

Long Term Liabilities

2602 · LT SOD Act Liability-Bradbury

5,557,253.07

2603 · LT SOD Act Liability - Lauro

954,102.00

2604 · OPEB LT Liability

192,226.00

Total Long Term Liabilities

6,703,581.07

Total Liabilities

7,283,138.59

NET ASSETS

3901 · Retained Net Assets

241,206.06

Net Income

890,098.72

Total Net Assets

1,131,304.78

TOTAL LIABILITIES & NET ASSETS

8,414,443.37

# Cachuma Operation & Maintenance Board

## Statement of Revenues and Expenditures

### Budget vs. Actuals - September 2011

1:12 PM  
10/18/11  
Accrual Basis

	Fisheries			Operations			TOTAL		
	Jul - Sep 11	Budget	% of Budget	Jul - Sep 11	Budget	% of Budget	Jul - Sep 11	Budget	% of Budget
<b>Income</b>									
3000 REVENUE									
3001 - O&M Budget (Qtrly Assessments)	484,006.17	852,475.00	56.8%	1,370,541.75	2,275,848.00	60.2%	1,854,547.92	3,128,323.00	59.3%
3006 - Warren Act	0.00	76,884.00	0.0%	0.00	0.00	0.0%	0.00	76,884.00	0.0%
3007 - Renewal Fund	0.00	191,210.00	0.0%	0.00	0.00	0.0%	0.00	191,210.00	0.0%
3010 - Interest Income	0.00	136.37	0.0%	136.37	0.00	100.0%	136.37	0.00	100.0%
3020 - Misc Income	0.00	1,305.60	0.0%	1,305.60	0.00	100.0%	1,305.60	0.00	100.0%
3021 - Grant Income	0.00	0.00	0.0%	0.00	1,200,000.00	0.0%	0.00	1,200,000.00	0.0%
3022 - QC Crossing #2 Grant Income	0.00	735,501.00	0.0%	0.00	0.00	0.0%	0.00	735,501.00	0.0%
3035 - Cachuma Project Betterment Fund	0.00	90,000.00	0.0%	0.00	0.00	0.0%	0.00	90,000.00	0.0%
<b>Total 3000 REVENUE</b>	<b>484,006.17</b>	<b>1,946,070.00</b>	<b>24.9%</b>	<b>1,371,983.72</b>	<b>3,475,848.00</b>	<b>39.5%</b>	<b>1,855,989.89</b>	<b>5,421,918.00</b>	<b>34.2%</b>
<b>Total Income</b>	<b>484,006.17</b>	<b>1,946,070.00</b>	<b>24.9%</b>	<b>1,371,983.72</b>	<b>3,475,848.00</b>	<b>39.5%</b>	<b>1,855,989.89</b>	<b>5,421,918.00</b>	<b>34.2%</b>
<b>Gross Profit</b>	<b>484,006.17</b>	<b>1,946,070.00</b>	<b>24.9%</b>	<b>1,371,983.72</b>	<b>3,475,848.00</b>	<b>39.5%</b>	<b>1,855,989.89</b>	<b>5,421,918.00</b>	<b>34.2%</b>
<b>Expense</b>									
<b>PAYROLL</b>									
Gross	0.00	0.00	0.0%	0.02	0.00	100.0%	0.02	0.00	100.0%
Gross-FD	-0.02	0.00	0.0%	0.00	0.00	100.0%	-0.02	0.00	100.0%
<b>Total PAYROLL</b>	<b>-0.02</b>	<b>0.00</b>	<b>0.0%</b>	<b>0.02</b>	<b>0.00</b>	<b>100.0%</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0%</b>
<b>3100 - LABOR - OPERATIONS</b>									
3101-E - Engineer	0.00	0.00	0.0%	0.00	-35,745.00	0.0%	0.00	-35,745.00	0.0%
3101-E1 - QC 2 RE Labor	0.00	0.00	0.0%	27,537.57	0.00	100.0%	27,537.57	0.00	100.0%
3101-E - Engineer - Other	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
<b>Total 3101-E - Engineer</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0%</b>	<b>27,537.57</b>	<b>-35,745.00</b>	<b>-77.0%</b>	<b>27,537.57</b>	<b>-35,745.00</b>	<b>-77.0%</b>
3101-H - Holiday Leave	0.00	2,280.59	0.0%	2,280.59	0.00	100.0%	2,280.59	0.00	100.0%
3101-S - Sick Leave	0.00	2,523.07	0.0%	2,523.07	0.00	100.0%	2,523.07	0.00	100.0%
3101-V - Vacation Leave	0.00	5,298.76	0.0%	5,298.76	0.00	100.0%	5,298.76	0.00	100.0%
3102 - Meter Reading	0.00	863.54	0.0%	863.54	0.00	100.0%	863.54	0.00	100.0%
3103 - SCC Ops	0.00	38,675.73	0.0%	38,675.73	0.00	100.0%	38,675.73	0.00	100.0%
3104 - Ven & Equip Mtce	0.00	691.33	0.0%	691.33	0.00	100.0%	691.33	0.00	100.0%
3105 - SCADA	0.00	697.53	0.0%	697.53	0.00	100.0%	697.53	0.00	100.0%
3106 - Rodent Bait	0.00	1,477.02	0.0%	1,477.02	0.00	100.0%	1,477.02	0.00	100.0%
3107 - NORTH PORTAL									
3107-1 - NP INTAKE TOWER									
3107-1a - Maintenance	0.00	204.39	0.0%	204.39	0.00	100.0%	204.39	0.00	100.0%
3107-1b - Cleaning	0.00	252.01	0.0%	252.01	0.00	100.0%	252.01	0.00	100.0%
3107-1f - Operations	0.00	353.20	0.0%	353.20	0.00	100.0%	353.20	0.00	100.0%
<b>Total 3107-1 - NP INTAKE TOWER</b>	<b>0.00</b>	<b>809.60</b>	<b>0.0%</b>	<b>809.60</b>	<b>0.00</b>	<b>100.0%</b>	<b>809.60</b>	<b>0.00</b>	<b>100.0%</b>
3107-2 - NP CONTROL STATION									
3107-2a - Maintenance	0.00	94.28	0.0%	94.28	0.00	100.0%	94.28	0.00	100.0%
3107-2h - Inspection	0.00	125.70	0.0%	125.70	0.00	100.0%	125.70	0.00	100.0%
<b>Total 3107-2 - NP CONTROL STATION</b>	<b>0.00</b>	<b>219.98</b>	<b>0.0%</b>	<b>219.98</b>	<b>0.00</b>	<b>100.0%</b>	<b>219.98</b>	<b>0.00</b>	<b>100.0%</b>
3107-3 - NP TECOLOTE TUNNEL									
3107-3h - Inspection	0.00	125.70	0.0%	125.70	0.00	100.0%	125.70	0.00	100.0%
<b>Total 3107-3 - NP TECOLOTE TUNNEL</b>	<b>0.00</b>	<b>125.70</b>	<b>0.0%</b>	<b>125.70</b>	<b>0.00</b>	<b>100.0%</b>	<b>125.70</b>	<b>0.00</b>	<b>100.0%</b>
<b>Total 3107 - NORTH PORTAL</b>	<b>0.00</b>	<b>1,155.28</b>	<b>0.0%</b>	<b>1,155.28</b>	<b>0.00</b>	<b>100.0%</b>	<b>1,155.28</b>	<b>0.00</b>	<b>100.0%</b>

ITEM # \_\_\_\_\_  
PAGE 3

# Cachuma Operation & Maintenance Board

## Statement of Revenues and Expenditures

### Budget vs. Actuals - September 2011

1:12 PM  
10/18/11  
Accrual Basis

	Fisheries			Operations			TOTAL		
	Jul - Sep 11	Budget	% of Budget	Jul - Sep 11	Budget	% of Budget	Jul - Sep 11	Budget	% of Budget
3108 - GLEN ANNE									
3108-1 - GA SOUTH PORTAL	0.00			2,030.52			2,030.52	0.00	100.0%
3108-1d - Weed Management	0.00			2,030.52			2,030.52	0.00	100.0%
Total 3108-1 - GA SOUTH PORTAL									
3108-2 - GA RESERVOIR	0.00			1,883.91			1,883.91	0.00	100.0%
3108-2d - Weed Management	0.00			1,883.91			1,883.91	0.00	100.0%
Total 3108-2 - GA RESERVOIR									
3108-3 - GA PUMP STATION	0.00			20.53			20.53	0.00	100.0%
3108-3a - Maintenance	0.00			20.53			20.53	0.00	100.0%
Total 3108-3 - GA PUMP STATION									
3108-4 - GA TURNOUT	0.00			455.79			455.79	0.00	100.0%
3108-4d - Weed Management	0.00			455.79			455.79	0.00	100.0%
Total 3108-4 - GA TURNOUT									
Total 3108 - GLEN ANNE	0.00			4,390.75			4,390.75	0.00	100.0%
3109 - CORONA DEL MAR									
3109-1 - TURNOUT	0.00			94.28			94.28	0.00	100.0%
3109-1h - Inspection	0.00			94.28			94.28	0.00	100.0%
Total 3109-1 - TURNOUT									
Total 3109 - CORONA DEL MAR	0.00			94.28			94.28	0.00	100.0%
3110 - LAURO									
3110-1 - YARD									
3110-1a - Maintenance	0.00			7,802.15			7,802.15	0.00	100.0%
3110-1b - Cleaning	0.00			1,315.92			1,315.92	0.00	100.0%
3110-1d - Weed Management	0.00			361.52			361.52	0.00	100.0%
3110-1e - Landscaping	0.00			334.26			334.26	0.00	100.0%
3110-1h - Inspection	0.00			125.70			125.70	0.00	100.0%
3110-1j - Rehabilitation	0.00			408.53			408.53	0.00	100.0%
Total 3110-1 - YARD	0.00			10,348.08			10,348.08	0.00	100.0%
3110-2 - CONTROL STATION									
3110-2a - Maintenance	0.00			94.28			94.28	0.00	100.0%
Total 3110-2 - CONTROL STATION	0.00			94.28			94.28	0.00	100.0%
3110-3 - RESERVOIR									
3110-3d - Weed Management	0.00			926.29			926.29	0.00	100.0%
3110-3e - Landscaping	0.00			94.28			94.28	0.00	100.0%
3110-3f - Operations	0.00			125.70			125.70	0.00	100.0%
3110-3h - Inspection	0.00			62.85			62.85	0.00	100.0%
Total 3110-3 - RESERVOIR	0.00			1,209.12			1,209.12	0.00	100.0%
3110-4 - DEBRIS BASINS									
3110-4a - Maintenance	0.00			457.27			457.27	0.00	100.0%
3110-4b - Cleaning	0.00			251.40			251.40	0.00	100.0%
3110-4f - Operations	0.00			408.53			408.53	0.00	100.0%
3110-4h - Inspection	0.00			217.74			217.74	0.00	100.0%
Total 3110-4 - DEBRIS BASINS	0.00			1,334.94			1,334.94	0.00	100.0%

ITEM # 36  
PAGE 4

# Cachuma Operation & Maintenance Board

## Statement of Revenues and Expenditures

Budget vs. Actuals - September 2011

	Fisheries			Operations			TOTAL		
	Jul - Sep 11	Budget	% of Budget	Jul - Sep 11	Budget	% of Budget	Jul - Sep 11	Budget	% of Budget
Total 3110 - LAURO	0.00			12,986.42			12,986.42	0.00	100.0%
3111 - OFFICE									
3111-1 - CREW OFFICE	0.00			231.73			231.73	0.00	100.0%
3111-1j - Rehabilitation	0.00			231.73			231.73	0.00	100.0%
Total 3111-1 - CREW OFFICE									
Total 3111 - OFFICE	0.00			231.73			231.73	0.00	100.0%
3112 - SHEFFIELD									
3112-1 - CONTROL STATION	0.00			31.43			31.43	0.00	100.0%
3112-1h - Inspection	0.00			31.43			31.43	0.00	100.0%
Total 3112-1 - CONTROL STATION									
Total 3112 - SHEFFIELD	0.00			31.43			31.43	0.00	100.0%
3113 - ORTEGA									
3113-1 - CONTROL STATION	0.00			252.87			252.87	0.00	100.0%
3113-1a - Maintenance	0.00			31.43			31.43	0.00	100.0%
3113-1h - Inspection	0.00			94.28			94.28	0.00	100.0%
3113-1j - Rehabilitation	0.00			378.58			378.58	0.00	100.0%
Total 3113-1 - CONTROL STATION									
Total 3113 - RESERVOIR	0.00			1,210.41			1,210.41	0.00	100.0%
3113-2a - Maintenance	0.00			233.59			233.59	0.00	100.0%
3113-2d - Weed Management	0.00			384.95			384.95	0.00	100.0%
3113-2f - Operations	0.00			475.06			475.06	0.00	100.0%
3113-2h - Inspection	0.00			116.81			116.81	0.00	100.0%
Total 3113-2 - RESERVOIR									
Total 3113 - ORTEGA	0.00			1,588.99			1,588.99	0.00	100.0%
3114 - BOUNDARY METER									
3114-1 - VAULT	0.00			86.42			86.42	0.00	100.0%
3114-1a - Maintenance	0.00			219.98			219.98	0.00	100.0%
3114-1j - Rehabilitation	0.00			306.40			306.40	0.00	100.0%
Total 3114-1 - VAULT									
Total 3114 - BOUNDARY METER	0.00			306.40			306.40	0.00	100.0%
3115 - CARPINTERIA									
3115-1 - CONTROL STATION	0.00			432.76			432.76	0.00	100.0%
3115-1a - Maintenance	0.00			31.43			31.43	0.00	100.0%
3115-1h - Inspection	0.00			125.70			125.70	0.00	100.0%
3115-1j - Rehabilitation	0.00			157.13			157.13	0.00	100.0%
Total 3115-1 - CONTROL STATION									
Total 3115 - RESERVOIR	0.00			747.02			747.02	0.00	100.0%
3115-2d - Weed Management	0.00			149.61			149.61	0.00	100.0%
3115-2h - Inspection	0.00			282.82			282.82	0.00	100.0%
Total 3115-2 - RESERVOIR									
Total 3115 - CARPINTERIA	0.00			432.43			432.43	0.00	100.0%

# Cachuma Operation & Maintenance Board

## Statement of Revenues and Expenditures

Budget vs. Actuals - September 2011

1:12 PM  
10/18/11  
Accrual Basis

	Fisheries		Operations		TOTAL	
	Jul - Sep 11	Budget	Jul - Sep 11	Budget	Jul - Sep 11	Budget
Total 3115 - CARPINTERIA	0.00		1,179.45		1,179.45	0.00
3116 - GOLETA REACH						
3116-1 - STRUCTURES						
3116-1a - Maintenance	0.00		7,914.49		7,914.49	0.00
3116-1d - Weed Management	0.00		249.50		249.50	0.00
3116-1h - Inspection	0.00		157.13		157.13	0.00
3116-1j - Rehabilitation	0.00		94.28		94.28	0.00
Total 3116-1 - STRUCTURES	0.00		8,415.40		8,415.40	0.00
Total 3116 - GOLETA REACH	0.00		8,415.40		8,415.40	0.00
3117 - CARPINTERIA REACH						
3117-1 - STRUCTURES						
3117-1a - Maintenance	0.00		2,738.39		2,738.39	0.00
3117-1h - Inspection	0.00		537.62		537.62	0.00
3117-1j - Rehabilitation	0.00		2,036.00		2,036.00	0.00
Total 3117-1 - STRUCTURES	0.00		5,312.01		5,312.01	0.00
Total 3117 - CARPINTERIA REACH	0.00		5,312.01		5,312.01	0.00
3150 - Health & Workers Comp	0.00		52,081.97		52,081.97	0.00
3155 - PERS	0.00		20,277.84		20,277.84	0.00
3160 - Ops Co FICA	0.00		7,872.61		7,872.61	0.00
3165 - Ops Co Medicare	0.00		1,841.17		1,841.17	0.00
3100 - LABOR - OPERATIONS - Other	0.00		0.00		0.00	0.00
Total 3100 - LABOR - OPERATIONS	0.00		197,810.67		197,810.67	836,672.00
3200 VEH & EQUIPMENT						
3201 - Vehicle/Equip Mice	0.00		5,931.09		5,931.09	25,000.00
3202 - Fixed Capital	0.00		1,500.48		1,500.48	10,000.00
3203 - Equipment Rental	0.00		1,208.69		1,208.69	5,000.00
3204 - Miscellaneous	0.00		1,620.67		1,620.67	5,000.00
Total 3200 VEH & EQUIPMENT	0.00		10,260.93		10,260.93	45,000.00
3300 - CONTRACT LABOR						
3301 - Conduit, Meter, Valve & Misc	0.00		1,361.00		1,361.00	12,000.00
3302 - Buildings & Roads	0.00		5,245.21		5,245.21	20,000.00
3303 - Reservoirs	0.00		0.00		0.00	10,000.00
3304 - Engineering, Misc Services	0.00		0.00		0.00	30,000.00
Total 3300 - CONTRACT LABOR	0.00		6,606.21		6,606.21	72,000.00
3400 - MATERIALS & SUPPLIES						
3401 - Conduit, Meter, Valve & Misc	0.00		263.39		263.39	25,000.00
3402 - Buildings & Roads	0.00		698.25		698.25	12,000.00
3403 - Reservoirs	0.00		2,297.88		2,297.88	10,000.00
Total 3400 - MATERIALS & SUPPLIES	0.00		3,259.52		3,259.52	47,000.00
3500 - OTHER EXPENSES						
3501 - Utilities	0.00		1,328.92		1,328.92	6,800.00
3502 - Uniforms	0.00		2,125.38		2,125.38	4,500.00
3503 - Communications	0.00		3,995.99		3,995.99	20,000.00
3504 - USA & Other Services	0.00		222.00		222.00	4,000.00
3505 - Miscellaneous	0.00		2,443.83		2,443.83	8,000.00

# Cachuma Operation & Maintenance Board

## Statement of Revenues and Expenditures

### Budget vs. Actuals - September 2011

	Fisheries			Operations			TOTAL		
	Jul - Sep 11	Budget	% of Budget	Jul - Sep 11	Budget	% of Budget	Jul - Sep 11	Budget	% of Budget
3506 - Training	0.00			1,024.98	3,000.00	34.2%	1,024.98	3,000.00	34.2%
Total 3500 - OTHER EXPENSES	0.00			11,141.10	46,300.00	24.1%	11,141.10	46,300.00	24.1%
4000 - Reconciliation Discrepancies	0.00			0.01			0.01	0.00	100.0%
4100 - LABOR - FISHERIES									
4101 - Senior Resource Scientist									
4101-1 - QC 2 Project Administration	0.00	-15,000.00	0.0%	0.00			0.00	-15,000.00	0.0%
4101-2 - QC 2 Permit Writing/Admin	0.00	-3,000.00	0.0%	0.00			0.00	-3,000.00	0.0%
4101 - Senior Resource Scientist - Other	22,750.37	91,529.00	24.9%	0.00			22,750.37	91,529.00	24.9%
Total 4101 - Senior Resource Scientist	22,750.37	73,529.00	30.9%	0.00			22,750.37	73,529.00	30.9%
4102 - Project Biologist									
4102-1 - QC 2 Bio Monitoring	0.00	-10,000.00	0.0%	0.00			0.00	-10,000.00	0.0%
4102 - Project Biologist - Other	24,148.84	86,565.00	27.9%	0.00			24,148.84	86,565.00	27.9%
Total 4102 - Project Biologist	24,148.84	76,565.00	31.5%	0.00			24,148.84	76,565.00	31.5%
4103 - Biologist									
4103-1 - QC 2 Bio Monitoring	0.00	-10,000.00	0.0%	0.00			0.00	-10,000.00	0.0%
4103 - Biologist - Other	17,841.45	67,657.00	26.4%	0.00			17,841.45	67,657.00	26.4%
Total 4103 - Biologist	17,841.45	57,657.00	30.9%	0.00			17,841.45	57,657.00	30.9%
4110 - Seasonal Aide - BL	0.00	10,000.00	0.0%	0.00			0.00	10,000.00	0.0%
4111 - Seasonal Aide - AB	0.00	8,000.00	0.0%	0.00			0.00	8,000.00	0.0%
4112 - Seasonal Aide - SH	799.88	15,000.00	5.3%	0.00			799.88	15,000.00	5.3%
4113 - Seasonal Aide - KL	0.00	7,000.00	0.0%	0.00			0.00	7,000.00	0.0%
4150 - FD Health & WC	23,089.53	76,315.00	30.3%	0.00			23,089.53	76,315.00	30.3%
4151 - FD PERS	12,230.68	44,296.00	27.6%	0.00			12,230.68	44,296.00	27.6%
4152 - FD Co FICA	4,641.31	16,700.00	27.8%	0.00			4,641.31	16,700.00	27.8%
4153 - FD Co Medicare	1,085.47	2,100.00	51.7%	0.00			1,085.47	2,100.00	51.7%
Total 4100 - LABOR - FISHERIES	106,587.53	387,162.00	27.5%	0.00			106,587.53	387,162.00	27.5%
4200 - VEHICLES & EQUIP - FISHERIES									
4270 - Vehicle/Equip Mtce	1,479.27	13,000.00	11.4%	0.00			1,479.27	13,000.00	11.4%
4280 - Fixed Capital	0.00	30,000.00	0.0%	0.00			0.00	30,000.00	0.0%
4290 - Miscellaneous	369.81	2,500.00	14.8%	0.00			369.81	2,500.00	14.8%
Total 4200 - VEHICLES & EQUIP - FISHERIES	1,849.08	45,500.00	4.1%	0.00			1,849.08	45,500.00	4.1%
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	0.00	15,000.00	0.0%	0.00			0.00	15,000.00	0.0%
Total 4220 - CONTRACT LABOR - FISHERIES	0.00	18,000.00	0.0%	0.00			0.00	18,000.00	0.0%
4300 - MATERIALS/SUPPLIES - FISHERIES									
4390 - Miscellaneous	0.00	6,000.00	0.0%	0.00			0.00	6,000.00	0.0%
Total 4300 - MATERIALS/SUPPLIES - FISHERIES	0.00	6,000.00	0.0%	0.00			0.00	6,000.00	0.0%
4500 - OTHER EXPENSES - FISHERIES									
4502 - Uniforms	0.00	2,500.00	0.0%	0.00			0.00	2,500.00	0.0%
Total 4500 - OTHER EXPENSES - FISHERIES	0.00	2,500.00	0.0%	0.00			0.00	2,500.00	0.0%
4999 - GENERAL & ADMINISTRATIVE									
5000 - Director Fees	0.00			280.32			280.32	0.00	100.0%
5001 - Director Mileage	0.00			4,096.00			4,096.00	12,000.00	34.1%
5000 - Director Fees - Other	0.00				12,000.00	34.1%		12,000.00	34.1%



# Cachuma Operation & Maintenance Board Statement of Revenues and Expenditures

Budget vs. Actuals - September 2011

	Fisheries			Operations			TOTAL		
	Jul - Sep 11	% of Budget	Jul - Sep 11	Jul - Sep 11	% of Budget	Jul - Sep 11	Budget	% of Budget	
	Budget		Budget	Budget		Budget			
Total 5000 - Director Fees	0.00		4,376.32	12,000.00	36.5%	4,376.32	12,000.00	36.5%	
5100 - Legal	0.00		13,018.00	75,000.00	17.4%	13,018.00	75,000.00	17.4%	
5101-1 - Audit	0.00		729.40	3,000.00	5.6%	729.40	3,000.00	5.6%	
5200 - Liability Insurance	0.00		41,393.00	30,800.00	134.4%	41,393.00	30,800.00	134.4%	
5201 - Health & Workers Comp	0.00		27,207.34	143,790.00	18.9%	27,207.34	143,790.00	18.9%	
5250 - PERS	0.00		13,342.55	48,334.00	27.6%	13,342.55	48,334.00	27.6%	
5260 - Company FICA Admin	0.00		4,799.83	17,632.00	27.2%	4,799.83	17,632.00	27.2%	
5265 - Company MCARE Admin	0.00		1,122.53	4,123.00	27.2%	1,122.53	4,123.00	27.2%	
5300 - Manager Salary	0.00		30,153.90	112,000.00	26.9%	30,153.90	112,000.00	26.9%	
5301 - Administrative Manager	0.00		18,129.58	67,339.00	26.9%	18,129.58	67,339.00	26.9%	
5304 - Administrative Secretary	0.00		10,467.91	38,648.00	27.1%	10,467.91	38,648.00	27.1%	
5306 - Administrative Assistant	0.00		11,603.63	41,595.00	27.9%	11,603.63	41,595.00	27.9%	
5310 - Postage/Office Exp	0.00		1,973.11	11,200.00	17.6%	1,973.11	11,200.00	17.6%	
5311 - Office Equip/Leases	0.00		2,677.29	9,800.00	27.3%	2,677.29	9,800.00	27.3%	
5312 - Misc Admin Expenses	0.00		1,315.57	12,000.00	11.0%	1,315.57	12,000.00	11.0%	
5313 - Communications	0.00		1,880.02	8,400.00	22.4%	1,880.02	8,400.00	22.4%	
5314 - Utilities	0.00		3,038.93	8,500.00	35.8%	3,038.93	8,500.00	35.8%	
5315 - Membership Dues	0.00		178.50	7,295.00	2.4%	178.50	7,295.00	2.4%	
5316 - Admin Fixed Assets	0.00		0.00	5,000.00	0.0%	0.00	5,000.00	0.0%	
5318 - Computer Consultant	0.00		5,066.98	17,500.00	29.0%	5,066.98	17,500.00	29.0%	
5325 - Emp Training/Subscriptions	0.00		25.00	3,000.00	0.8%	25.00	3,000.00	0.8%	
5330 - Admin Travel/Conferences	0.00		0.00	3,000.00	0.0%	0.00	3,000.00	0.0%	
5331 - Public Information	0.00		314.63	1,000.00	31.5%	314.63	1,000.00	31.5%	
5332 - Transportation	0.00		1,034.69	1,000.00	103.5%	1,034.69	1,000.00	103.5%	
5333 - Relocation Expense	0.00		3,941.19	14,000.00	28.2%	3,941.19	14,000.00	28.2%	
5390 - MURRP Interest Expense	0.00		0.00	20,000.00	0.0%	0.00	20,000.00	0.0%	
<b>Total 4999 - GENERAL &amp; ADMINISTRATIVE</b>	<b>0.00</b>		<b>197,789.90</b>	<b>725,956.00</b>	<b>27.2%</b>	<b>197,789.90</b>	<b>725,956.00</b>	<b>27.2%</b>	
<b>5400 - GENERAL &amp; ADMIN - FISHERIES</b>									
5401 - Health & Workers Comp	43,099.00	16.1%	0.00	0.00		6,921.89	43,099.00	16.1%	
5402 - CalPERS	20,716.00	26.9%	0.00	0.00		5,577.28	20,716.00	26.9%	
5403 - Company Fica	7,556.00	27.2%	0.00	0.00		2,057.09	7,556.00	27.2%	
5404 - Admin Secretary	16,563.00	27.1%	0.00	0.00		4,486.27	16,563.00	27.1%	
5405 - GM Salary	48,000.00	26.9%	0.00	0.00		12,923.05	48,000.00	26.9%	
5406 - Company MCare	1,765.00	27.3%	0.00	0.00		481.08	1,765.00	27.3%	
5407 - Legal - FD	25,000.00	23.7%	0.00	0.00		5,934.00	25,000.00	23.7%	
5408 - Administrative Manager									
5408-1 - QC 2 Contract Administration	-2,000.00	0.0%	0.00	0.00		0.00	-2,000.00	0.0%	
5408 - Administrative Manager - Other	28,860.00	26.9%	0.00	0.00		7,769.86	28,860.00	26.9%	
<b>Total 5408 - Administrative Manager</b>	<b>26,860.00</b>	<b>28.9%</b>	<b>0.00</b>	<b>0.00</b>		<b>7,769.86</b>	<b>26,860.00</b>	<b>28.9%</b>	
<b>5409 - Administrative Assistant</b>									
5409-1 - QC 2 Contract Administration	-3,000.00	0.0%	0.00	0.00		0.00	-3,000.00	0.0%	
5409 - Administrative Assistant - Other	17,827.00	27.9%	0.00	0.00		4,972.97	17,827.00	27.9%	
<b>Total 5409 - Administrative Assistant</b>	<b>14,827.00</b>	<b>33.5%</b>	<b>0.00</b>	<b>0.00</b>		<b>4,972.97</b>	<b>14,827.00</b>	<b>33.5%</b>	
<b>5410 - Postage / Office Supplies</b>									
5411 - Office Equipment / Leases	4,800.00	19.2%	0.00	0.00		923.05	4,800.00	19.2%	
5412 - Misc. Admin Expense	4,200.00	27.3%	0.00	0.00		1,147.33	4,200.00	27.3%	
5413 - Communications	6,000.00	10.1%	0.00	0.00		604.30	6,000.00	10.1%	
5414 - Utilities	3,600.00	26.7%	0.00	0.00		962.19	3,600.00	26.7%	
5415 - Membership Dues	4,500.00	27.6%	0.00	0.00		1,243.91	4,500.00	27.6%	
5416 - Admin Fixed Assets	2,791.00	2.7%	0.00	0.00		76.50	2,791.00	2.7%	
<b>Total 5410 - Postage / Office Supplies</b>	<b>5,000.00</b>	<b>0.0%</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>5,000.00</b>	<b>0.0%</b>	

# Cachuma Operation & Maintenance Board

## Statement of Revenues and Expenditures

### Budget vs. Actuals - September 2011

2:24 PM  
10/18/11  
Accrual Basis

	Fisheries			Operations			TOTAL		
	Jul - Sep 11	Budget	% of Budget	Jul - Sep 11	Budget	% of Budget	Jul - Sep 11	Budget	% of Budget
5418 · Computer Consultant	2,221.12	7,500.00	29.6%	0.00	0.00	0.0%	2,221.12	7,500.00	29.6%
5425 · Employee Education/Subscription	0.00	3,000.00	0.0%	0.00	0.00	0.0%	0.00	3,000.00	0.0%
5430 · Travel	0.00	3,000.00	0.0%	0.00	0.00	0.0%	0.00	3,000.00	0.0%
5431 · Public Information	134.83	1,000.00	13.5%	0.00	0.00	0.0%	134.83	1,000.00	13.5%
5432 · Transportation	462.29	1,000.00	46.2%	0.00	0.00	0.0%	462.29	1,000.00	46.2%
5433 · Relocation Expense - GM	1,689.07	6,000.00	28.2%	0.00	0.00	0.0%	1,689.07	6,000.00	28.2%
5441 · Audit	312.60	6,000.00	5.2%	0.00	0.00	0.0%	312.60	6,000.00	5.2%
5443 · Liab & Property Ins	13,200.00	13,200.00	100.0%	0.00	0.00	0.0%	13,200.00	13,200.00	100.0%
5490 · Fish Projects Interest Expense	0.00	14,930.00	0.0%	0.00	0.00	0.0%	0.00	14,930.00	0.0%
<b>Total 5400 · GENERAL &amp; ADMIN - FISHERIES</b>	<b>74,100.68</b>	<b>290,907.00</b>	<b>25.5%</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0%</b>	<b>74,100.68</b>	<b>290,907.00</b>	<b>25.5%</b>
5510 · Integrated Reg. Water Mgt Plan	0.00	15,000.00	0.0%	0.00	15,000.00	0.0%	0.00	15,000.00	0.0%
5513 · Cost / Benefit Analysis	0.00	25,000.00	0.0%	0.00	25,000.00	0.0%	0.00	25,000.00	0.0%
<b>6000 · SPECIAL PROJECTS</b>									
6062 · SCADA	0.00	18,500.00	0.0%	0.00	18,500.00	0.0%	0.00	18,500.00	0.0%
6090-1 · COMB Bldg/Grounds Repair	0.00	30,000.00	3.5%	1,062.23	30,000.00	3.5%	1,062.23	30,000.00	3.5%
6092 · SCC Improv Plan & Design	0.00	50,000.00	0.0%	0.00	50,000.00	0.0%	0.00	50,000.00	0.0%
6096 · SCC Structure Rehabilitation	0.00	37,500.00	0.0%	0.00	37,500.00	0.0%	0.00	37,500.00	0.0%
6097 · GIS and Mapping	0.00	10,000.00	2.0%	196.99	10,000.00	2.0%	196.99	10,000.00	2.0%
6101 · SCC Emergency Pipeline Repairs	0.00	205,000.00	1.0%	1,995.32	205,000.00	1.0%	1,995.32	205,000.00	1.0%
6102 · Lauro Debris Basin Maintenance	0.00	76,175.00	9.3%	7,110.00	76,175.00	9.3%	7,110.00	76,175.00	9.3%
6103 · SCCMURR	0.00	1,200,000.00	4.1%	49,482.29	1,200,000.00	4.1%	49,482.29	1,200,000.00	4.1%
<b>Total 6000 · SPECIAL PROJECTS</b>	<b>0.00</b>	<b>1,627,175.00</b>	<b>3.7%</b>	<b>59,846.83</b>	<b>1,627,175.00</b>	<b>3.7%</b>	<b>59,846.83</b>	<b>1,627,175.00</b>	<b>3.7%</b>
<b>6200 · FISHERIES ACTIVITIES</b>									
6201 · FMP Implementation	2,153.36	121,500.00	1.8%	0.00	121,500.00	1.8%	2,153.36	121,500.00	1.8%
6202 · GIS and Mapping	2,648.37	10,000.00	26.5%	0.00	10,000.00	26.5%	2,648.37	10,000.00	26.5%
6203 · Grants Technical Support	0.00	10,000.00	0.0%	0.00	10,000.00	0.0%	0.00	10,000.00	0.0%
6204 · SYR Hydrology Technical Support	0.00	25,000.00	0.0%	0.00	25,000.00	0.0%	0.00	25,000.00	0.0%
6205 · USGS Stream Gauge Program	18,462.50	75,000.00	24.6%	0.00	75,000.00	24.6%	18,462.50	75,000.00	24.6%
6206 · Tri County Fish Team Funding	0.00	5,000.00	0.0%	0.00	5,000.00	0.0%	0.00	5,000.00	0.0%
6207 · Oak Tree Restoration Program	21,864.00	80,000.00	27.3%	0.00	80,000.00	27.3%	21,864.00	80,000.00	27.3%
6208 · Legislative & Steelhead Funding	0.00	8,000.00	0.0%	0.00	8,000.00	0.0%	0.00	8,000.00	0.0%
6209 · SYR Riverware Model Peer Review	0.00	48,000.00	0.0%	0.00	48,000.00	0.0%	0.00	48,000.00	0.0%
<b>Total 6200 · FISHERIES ACTIVITIES</b>	<b>45,128.23</b>	<b>382,500.00</b>	<b>11.8%</b>	<b>0.00</b>	<b>382,500.00</b>	<b>11.8%</b>	<b>45,128.23</b>	<b>382,500.00</b>	<b>11.8%</b>
<b>6300 · HABITAT ENHANCEMENT</b>									
6303 · Tributary Projects Support	0.00	2,000.00	0.0%	0.00	2,000.00	0.0%	0.00	2,000.00	0.0%
6304 · Engineering Designs - QC	7,863.73	33,000.00	23.8%	0.00	33,000.00	23.8%	7,863.73	33,000.00	23.8%
6306 · Jalama Repair Design	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6307 · Quiota Creek Crossing #2									
6307-1 · Labor									
6307-1a · Resident Engineer	0.00	35,745.00	0.0%	0.00	35,745.00	0.0%	0.00	35,745.00	0.0%
6307-1b · Project Administrator	1,760.16	15,000.00	11.7%	0.00	15,000.00	11.7%	1,760.16	15,000.00	11.7%
6307-1c · Contract Administration	0.00	5,000.00	0.0%	0.00	5,000.00	0.0%	0.00	5,000.00	0.0%
6307-1d · Permit Writing / Administration	132.01	3,000.00	4.4%	0.00	3,000.00	4.4%	132.01	3,000.00	4.4%
6307-1e · Biological Monitoring	666.41	20,000.00	3.3%	0.00	20,000.00	3.3%	666.41	20,000.00	3.3%
<b>Total 6307-1 · Labor</b>	<b>2,558.58</b>	<b>78,745.00</b>	<b>3.2%</b>	<b>0.00</b>	<b>78,745.00</b>	<b>3.2%</b>	<b>2,558.58</b>	<b>78,745.00</b>	<b>3.2%</b>
6307-2 · Design, Pemtg, Testing, Ovrsite	18,113.99	44,000.00	41.2%	0.00	44,000.00	41.2%	18,113.99	44,000.00	41.2%
6307-3 · Bottomless Arched Culvert	57,997.05	159,800.00	36.3%	0.00	159,800.00	36.3%	57,997.05	159,800.00	36.3%
6307-4 · Mobilization	43,000.00	29,000.00	148.3%	0.00	29,000.00	148.3%	43,000.00	29,000.00	148.3%
6307-5 · Demolition, Disposal	30,500.00	20,736.00	147.1%	0.00	20,736.00	147.1%	30,500.00	20,736.00	147.1%
6307-6 · Install, O & M Dewatering Sys	7,500.00	27,310.00	27.5%	0.00	27,310.00	27.5%	7,500.00	27,310.00	27.5%

ITEM # 36  
PAGE 9

# Cachuma Operation & Maintenance Board Statement of Revenues and Expenditures

Budget vs. Actuals - September 2011

	Fisheries			Operations			TOTAL		
	Jul - Sep 11	Budget	% of Budget	Jul - Sep 11	Budget	% of Budget	Jul - Sep 11	Budget	% of Budget
6307-7 · Erosion Cntrl - Revegetation	452.13	7,770.00	5.8%	0.00			452.13	7,770.00	5.8%
6307-8 · Site Ex, Stockpiling, Mat Prep	17,325.00	35,298.00	49.1%	0.00			17,325.00	35,298.00	49.1%
6307-9 · Over Ex, Footing Prep	0.00	22,266.00	0.0%	0.00			0.00	22,266.00	0.0%
6307-10 · Construct CIP Footing Prep	40,000.00	37,880.00	105.6%	0.00			40,000.00	37,880.00	105.6%
6307-11 · Install Prefab Arched Sys	0.00	30,048.00	0.0%	0.00			0.00	30,048.00	0.0%
6307-12 · Road Embkmt Fill, Cmpct, Grad	0.00	39,640.00	0.0%	0.00			0.00	39,640.00	0.0%
6307-13 · Rd bse import, prep, grading	0.00	13,170.00	0.0%	0.00			0.00	13,170.00	0.0%
6307-14 · Install Asphaltic Cncret Pvnment	0.00	25,432.00	0.0%	0.00			0.00	25,432.00	0.0%
6307-15 · Install Grdrrail, Bridgerail sys	0.00	85,360.00	0.0%	0.00			0.00	85,360.00	0.0%
6307-16 · Apply Bridge Coating Sys	0.00	16,000.00	0.0%	0.00			0.00	16,000.00	0.0%
6307-17 · Construct Rock Weir	4,000.00	35,427.00	11.3%	0.00			4,000.00	35,427.00	11.3%
6307-18 · Construct Rock Riffles	12,000.00	51,922.00	23.1%	0.00			12,000.00	51,922.00	23.1%
6307-19 · Install Rock Slope Protection	10,200.00	32,748.00	31.1%	0.00			10,200.00	32,748.00	31.1%
6307-20 · Perform Finish Grading	0.00	5,648.00	0.0%	0.00			0.00	5,648.00	0.0%
6307-21 · Cattle Exclusion Fencing	0.00	1,200.00	0.0%	0.00			0.00	1,200.00	0.0%
6307-22 · Replace Existing Fence	0.00	4,346.00	0.0%	0.00			0.00	4,346.00	0.0%
6307-23 · Site Clean-up and Demobilizatio	0.00	10,500.00	0.0%	0.00			0.00	10,500.00	0.0%
6307 · Quiota Creek Crossing #2 - Other	0.00			0.00			0.00		0.0%
<b>Total 6307 · Quiota Creek Crossing #2</b>	<b>243,646.75</b>	<b>814,246.00</b>	<b>29.9%</b>	<b>0.00</b>			<b>243,646.75</b>	<b>814,246.00</b>	<b>29.9%</b>
<b>Total 6300 · HABITAT ENHANCEMENT</b>	<b>251,510.48</b>	<b>849,246.00</b>	<b>29.6%</b>	<b>0.00</b>			<b>251,510.48</b>	<b>849,246.00</b>	<b>29.6%</b>
9600 · Extraordinary Items - reorg	0.00			0.00	0.00	0.0%	0.00	0.00	0.0%
Total Expense	470,491.98	1,981,815.00	23.7%	495,399.19	3,440,103.00	14.4%	965,891.17	5,421,918.00	17.8%
Net Income	13,514.19	-35,745.00	-37.8%	876,584.53	35,745.00	2,452.3%	890,098.72	0.00	100.0%

ITEM # 36  
PAGE 10

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

[www.treasurer.ca.gov/pmia](http://www.treasurer.ca.gov/pmia)

-laif

October 12, 2011

CACHUMA OPERATION AND MAINTENANCE BOARD

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

PMIA Average Monthly Yields

Transactions

Tran Type Definitions

September 2011 Statement

Account Summary

Total Deposit:	0.00	Beginning Balance:	3,850.70
Total Withdrawal:	0.00	Ending Balance:	3,850.70

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

**FROM:** Bruce A. Mowry, Secretary

**SUBJECT:** COMB INVESTMENT POLICY

The above statement of investment activity for the month of September, 2011, 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.

Bruce Mowry  
Secretary

ITEM # 36  
PAGE 11

# SANTA BARBARA BANK & TRUST

P.O. Box 60839, Santa Barbara, CA 93160-0839

2181  
Cachuma Operation & Maintenance Board  
Master Contract Renewal Fund  
3301 Laurel Canyon Rd  
Santa Barbara CA 93105-2017

## Banking Statement

Statement Period: 09/01/2011 to 09/30/2011

Customer Number:

Customer Service Representative  
(888) 400-SBBT (400-7228)

BANKLINE-24-HOUR AUTOMATED INFORMATION  
(800) 287-SBBT (287-7228)

www.sbbt.com

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It is our objective to assist you in selecting products and services that meet your personal and business needs. If you have any questions regarding your account, please feel free to call or visit one of our bankers for assistance.



## Business Money Market

### Checking Summary

Cachuma Operation & Maintenance Board

Master Contract Renewal Fund

Account Number	102335072
Interest Paid YTD	15.69
Interest Paid Last Year	39.98

### Deposit Account Recap

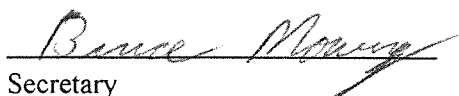
Beginning Balance as of	
September 1, 2011	10,040.42
1 Deposits (Plus)	2.48
Ending Balance as of	
September 30, 2011	10,042.90
Interest Paid	2.48

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

**FROM:** Bruce A. Mowry, Secretary

**SUBJECT:** COMB INVESTMENT POLICY

The above statement of investment activity for the month of September, 2011, 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 Santa Barbara Bank & Trust investments of this agency for the period indicated.

  
Secretary

ITEM # 3b

PAGE 12

# SANTA BARBARA BANK & TRUST

P.O. Box 60839, Santa Barbara, CA 93160-0839

2182  
Cachuma Operation & Maintenance Board  
Cachuma Project Trust Fund  
3301 Laurel Canyon Rd  
Santa Barbara CA 93105-2017

## Banking Statement

Statement Period: 09/01/2011 to 09/30/2011

Customer Number:

Customer Service Representative  
(888) 400-SBBT (400-7228)

BANKLINE-24-HOUR AUTOMATED INFORMATION  
(800) 287-SBBT (287-7228)

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## Public Capital Tiered MMDA

### Checking Summary

Cachuma Operation & Maintenance Board

Cachuma Project Trust Fund

Account Number	102335080
Interest Paid YTD	270.56
Interest Paid Last Year	447.50

### Deposit Account Recap

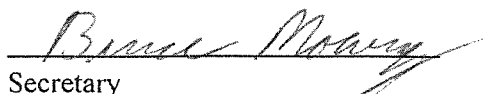
Beginning Balance as of	
September 1, 2011	123,250.64
1 Deposits (Plus)	35.46
Ending Balance as of	
September 30, 2011	123,286.10
Interest Paid	35.46

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

**FROM:** Bruce A. Mowry, Secretary

**SUBJECT:** COMB INVESTMENT POLICY

The above statement of investment activity for the month of September, 2011, 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 Santa Barbara Bank & Trust investments of this agency for the period indicated.

  
Secretary

ITEM # 36  
PAGE 13

comb2  
**Payment of Claims**  
As of September 30, 2011

	Date	Num	Name	Memo	Amount
1050 · GEN FUND	09/07/2011	20225	Business Card	JG-webhosting/JC-training books/Global Env workshop	-834.93
	09/08/2011	20226	Bruce Mowry	Aug reimb-GM expenses	-2,642.15
	09/13/2011	20227	A-OK Mower Shops, Inc.	Labor-equip repair/blades/air filters/heads	-562.03
	09/13/2011	20228	Acorn Landscape Management Co.	Scheduled mtce	-253.17
	09/13/2011	20229	ACWA Health Benefits Auth. (HBA)	10/1-11/1/11 coverage	-20,143.09
	09/13/2011	20230	ACWA Health Benefits Authority (HBA)	Sep EAP	-49.56
	09/13/2011	20231	Aqua-Flo Supply	PVC/couplers/adapters/bushings	-301.64
	09/13/2011	20232	AT&T	Aug statement	-387.25
	09/13/2011	20233	Bedrock Building Supplies	Concrete	-72.41
	09/13/2011	20234	Boone Graphics	Business cards-Field crew	-125.49
	09/13/2011	20235	Cardno ENTRIX	Jul-Task Mgt/file mtce-BO compl/Fish monitor supp	-2,361.19
				Jul-Permit support-SCC MURRP	
	09/13/2011	20236	CIO Solutions, LP	Maintain IT-Sep/computer repair-SE/Anti-virus 1 yr renewal	-2,544.57
	09/13/2011	20237	City of Santa-Barbara	Refuse/recycle 7/29-8/31/11	-168.75
	09/13/2011	20238	City of Santa Barbara-Central Stores	Gloves-latex/leather	-123.70
	09/13/2011	20239	Coastal Copy, LP	Mtce agmts 4035/TaskAlfa	-357.90
	09/13/2011	20240	County of Santa--Barbara	Green waste/general garbage	-84.45
	09/13/2011	20241	Cox Communications	Business internet Sep	-195.00
	09/13/2011	20242	Culligan Water	RO system Sep	-24.95
	09/13/2011	20243	Dale Francisco	Aug mtg fees	-132.23
	09/13/2011	20244	Dennis E. Beebe	Aug mtg fees	-156.92
	09/13/2011	20245	Fleet Services	Fuel	-2,307.54
	09/13/2011	20246	Fugro West, Inc.	Quiota xng 2 geotech services PO#11-12-02-Aug	-1,750.00
	09/13/2011	20247	GE Capital	Lease agmts-property tax-copiers	-665.79
	09/13/2011	20248	Growing Solutions	Plant care-MURRP site PO#8987	-100.00
	09/13/2011	20249	HDR Engineering, Inc.	BO/FMP implem/Quiota Crk psg/Eng oversight-Jul	-12,480.86
	09/13/2011	20250	Hydrex Pest Control Co.	Ant/pest control	-84.00
	09/13/2011	20251	Lab Safety Supply, Inc.	Microscope slides PO#9049	-124.20
	09/13/2011	20252	Lauren W. Hanson	Aug mtg fees	-133.10
	09/13/2011	20253	MarBorg Industries	Portable toilets	-328.62
	09/13/2011	20254	McCormix Corp.	Diesel fuel	-81.58
	09/13/2011	20255	MCR Technologies, Inc.	Labor-meter calibration-CDM/GW/Boundary PO#9046	-863.10
	09/13/2011	20256	Melinda L. Fournier	Oak tree/honeysuckle-Lauro/Oak Tree-Cachuma-Aug	-12,429.00
	09/13/2011	20257	Milpas Rental	Post hole digger/auger	-73.96
	09/13/2011	20258	Nextel Communications	Cellular	-408.30
	09/13/2011	20259	Pacific Coast Jiffy Lube	Service-GM vehicle	-140.52
	09/13/2011	20260	Paychex, Inc.	8/5,19, 9/2 payrolls	-387.33
	09/13/2011	20261	PG&E	NP/Tecolote tunnel	-199.36
	09/13/2011	20262	Praxair Distribution, Inc	Cylinder rental	-108.52
	09/13/2011	20263	Prudential Overall Supply	Mats	-144.01
	09/13/2011	20264	Republic Elevator Co.	Elevator repair	-2,955.01
	09/13/2011	20265	Robert R. Lieberknecht	Aug mtg fees	-142.43
	09/13/2011	20266	Southern California Edison	Main ofc/outlying sta/Glen Anne gate/Corona-Glen Anne Rd/ Foothill Rd	-1,658.72
	09/13/2011	20267	Staples Credit Plan	Office Supplies	-656.18
	09/13/2011	20268	State Compensation Insurance Fund	Payroll Report Aug 2011	-3,109.06
	09/13/2011	20269	Titan Industrial & Safety Supply, Inc.	Calibration gas PO#9047	-334.03
	09/13/2011	20270	Underground Service Alert of So. Calif	New ticket charges	-69.00
	09/13/2011	20271	UPS	Shipping	-50.17
	09/13/2011	20272	Verizon California	Main ofc/outlying stations	-445.07
	09/13/2011	20273	Verizon Wireless	Cellular	-119.04
	09/13/2011	20274	W. Douglas Morgan	Aug mtg fees	-138.20
	09/13/2011	20275	Western Welding	Safety glasses	-29.95
	09/13/2011	20276	WFCB-OSH Commercial Services	Paint supp/misc mat/misc tools/concrete	-438.92
	09/13/2011	20277	CIO Solutions, LP	Postini-Sep	-42.50
	09/13/2011	20278	SB Home Improvement Center	Grounding plugs	-4.84
	09/15/2011	20279	GE Capital	KM-C4035E property tax Billing ID#90133933786	-86.93
	09/15/2011	20280	J&C Services	Cleaning services 8/19,29, 9/2,9	-575.00
	09/15/2011	20281	Tim Robinson	Reimb reprographics-Quiota Crk xng 2 designs	-65.73
	09/15/2011	20282	Verizon California	SCADA	-521.56
	09/20/2011	20283	ECHO Communications	Answering service	-4.92
	09/20/2011	20284	Federal Express	Mailing	-88.95
	09/21/2011	20285	AECOM Technical Services, Inc.	TO#37 Prelim design/bid phase	-46,739.90
	09/21/2011	20286	ACWA/Joint Powers Insurance Author	Auto/Gen Liability Program 10/1/11-10/1/12	-54,593.00
	09/21/2011	20287	Famcon Pipe & Supply	Flanges/spools/nuts/bolts/gaskets/ball valves	-1,519.28

12:31 PM  
10/13/11  
Accrual Basis

comb2  
**Payment of Claims**  
As of September 30, 2011

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
09/21/2011	20288	Premiere Global Services	Conf. calls Aug	-43.43
09/22/2011	20289	MNS Engineers, Inc.	Final spec revisions for Informal Bid Update	-370.00
09/29/2011	20291	Bureau of Reclamation	4th Annual-Lauro SOD Act #05-WC-20-2923	-32,088.00
09/29/2011	20292	Bureau of Reclamation	1st Period Entitlement 10/1/11-4/1/12 175R-1802R	-730,874.96
09/29/2011	20293	CA-NV Section, AWWA	Water Systems Workshop-Santa Maria 10/6/11 SK/DN/JS	-150.00
09/29/2011	20294	Bureau of Reclamation	10th Annual-Brad Dam SOD Act #01-WC-20-2030	-164,869.70
09/29/2011	20295	Santa Ynez Valley Tree Care	Refugio Rd tree cut	-500.00
Total 1050 · GENERAL FUND				<u>-1,107,615.65</u>
				<u><u>-1,107,615.65</u></u>



# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	October 24, 2011
Submitted by:	Bruce Mowry
Approved by:	Bruce Mowry

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**SUBJECT:** Modified SCC Upper Reach Reliability Project – Item (a) Invitation to Bid

---

**SUMMARY:**

The Cachuma Project provides approximately 85% of the potable water delivered by Goleta Water District, City of Santa Barbara, Montecito Water District and Carpinteria Valley Water District. Failure of the SCC would result in disrupting water service to approximately 200,000 residents of the South Coast. The limitations and age of the original equipment, significant system modifications, and increased demands constrain the ability of the SCC to function at the system's original design capacity. The purpose of the Project is to provide mitigation measures to reduce the risk of failure of the SCC in the event that the SCC Upper Reach Reliability Pipeline Project is delayed. The SCC Upper Reach Reliability Pipeline Project provided a redundant pipeline to convey Cachuma Project water or SWP water to the South Coast if the Goleta Reach of the South Coast Conduit was out of service, due to scheduled and/or unexpected repairs. The mitigation measures for the modified project involve rehabilitating existing Air Vent and Blow Off structures, South Portal Transition Structure replacement, under-reinforced SCC pipeline section replacement, and modifications to the Glen Annie Turnout.

The Project is being partially funded by a Prop 50 grant of up to 3.2 million dollars with the remainder of the funding from the participating member entities of COMB. The requirement of these funds is to have the construction of the project complete by January 2013. In order to meet this schedule, the proposed project schedule would be to have a bid opening date of December 14, 2011 and to be presented to the COMB Board for award of the construction contract at their December 19, 2011 regular meeting. In order to give the potential bidders adequate time to prepare their bids, the bid phase is proposed to start with the approval of the attached Invitation to Bid at the October 24, 2011 Board meeting.

**FISCAL IMPACTS:**

Project has been Budgeted under number 6103 of the FY2011/2012 and projected into FY2012/2013

**LEGAL CONCURRENCE:**

General Counsel has reviewed and commented on Contract Documents

**ENVIRONMENTAL COMPLIANCE:**

All permits have been received and are waiting of U.S Bureau of Reclamation MP 620

**COMMITTEE STATUS:**

N/A

ITEM # 4a  
PAGE 1

**RECOMMENDATION:**

Action: Recommend Approval by Motion to Modified Upper Reach Reliability Project for advertisement and bid as described in the Invitation to Bid.

**LIST OF EXHIBITS:**

1. Proposed Invitation to Bid
2. Permit Status matrix

Permit Status: South Coast Conduit/ Modified Upper Reach Reliability Project

Agency	Permit	Status	Notes
U.S. Fish and Wildlife Service (USFWS)	Section 7 of the Endangered Species Act Consultation	Consultation Completed 11/4/2009	Part of 404- no separate Application
Regional Water Quality Control Board	Section 401 of the CWA certification: General Permit for Stormwater Discharges Associated with Construction Activity (CWA Section 402) Note: Section 402 Notice of Intent will not be submitted until just before construction.	Issued 5/20/2009 (Expires 2014) Ammended 9-26-11	Water Quality Certification #34209WQ06 issued. Contractor - 401-SSWP 402 Dewatering Discharge
California Department of Fish and Game (CDFG)	Streambed Alteration Agreement	Issued 7/13/09 Doesn't "Expire". Must have a copy of the letter, application, and attachments available at the work site at all times	Notification # 1600-2009-0064-R5 issued- CDFG action period expired 7/1/2009 and agreement was issued automatically as a result of expired action period.9-8-11 Changes to plan do not fall under their jurisdiction so no ammendment is required.
Santa Barara Air Pollution Control District	Authority for controlling dust control measures	Not Required	Permits "not required" was determined during 8-6-09 conference call covered in EIR.
Santa Barbara County	Finding of consistency with the General Plan under california Government Code 65402	Not Required	Permits "not required" was determined during 8-6-09 conference call covered in EIR.
National Marine Fisheries Service (NMFS)	Section 7 of the Endangered Species Act Consultation	Consultation Completed 7-1-2010	<ol style="list-style-type: none"> <li>1. USACE has requested responses to NMFS questiond on 20 July; responses sent July 30. Part of 404- No separate application.</li> <li>2. Revegetation plan is accepted</li> <li>3. Clarification for maintenance, revegetation and construction easement width at the main stem of Glen Anne Creek crossing sent by COMB to Darren Brumback at NOAA on 10/8/09 and 10/19/09.</li> <li>4. Steelhead Survey completed on 3/29/10 resulting in no sign of steelhead-report sent to USACE on 3/31/10. USACE will submit survey to NMFS to issue a letter of no-effect with informal consultation</li> <li>5. NMFS letter of concurrence will be final by July 2010 and sent out to the ACOE, per NMFS staff. Section 7 Consultation for steelhead will be complete.</li> </ol>
U.S. Army Corps of Engineers (USACE)	NWP Permit obtained includes SHPO, Section 7 consultation, Section 404 of the Clean Water Act (CWA) Permit	Received 10-4-11 expires March 18,2012 but if construction begins before that date grandfathered for 1 year	Pending: <ol style="list-style-type: none"> <li>1. Section 106 Consultation with State Historic Preservation Office (SHPO)- Concurrence with Reclamation Finding no adverse effect</li> <li>2. ROD- complete 3/31/2011</li> <li>3. Section 404 Permit in hand 5/1/2011- Award Contract date</li> </ol>
U.S. Bureau of Reclamation	Construction Permit	Submitted 10-12-11 Construction Easements last until work is complete	Record of Decision Received Need survey map and legal description on easement then contract will be signed
U.S. Bureau of Reclamation	MP 620	Submitted 10-13-11	Final Design is complete plans sent along with permit application to be reviewed and approved

Permit Status: South Coast Conduit/ Modified Upper Reach Reliability Project

State Historic Preservation Office	Section 106 of the National Historic Preservation Act Review	Complete "Does Not Expire"	1/24/2011: State Historic Preservation Office (SHPO) concurs with reclamation determination of No Adverce Effect for the project. Receipt of SHPO concurrence completes the Section 106 process and fulfills reclamation's statutory obligations under Section 106 of the National Historic Preservation Act. Section 106 process complete pending ROD signature 3/31/11 memo to file 9-20-11 for new project description for the MURRP
Gessert/Brown Property/ University Exchange Property	Temporary/Permenant Construction Easments	Obtained Temp. Construction Easement Expires December 31, 2012	Construction Easement becomes Valid after 30 days of sending the Notice of Commencement of Construction

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	October 24, 2011
Submitted by:	Jim Colton
Approved by:	Bruce Mowry

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**SUBJECT:** Construction Management Services for the Modified Upper Reach Reliability Project (MURRP)

---

**SUMMARY:**

Based on attached MURRP project schedule staff has compiled a "Work Plan" that outlines and identifies tasks and workloads for both construction management and regular operations and maintenance duties required of COMB staff.

**FISCAL IMPACTS:**

The Work Plan includes filling the vacant Operations Supervisor position which is a budgeted item, therefore no impact to the current budget. The Fisheries Division will supplement their full time staff with one part time position for the duration of the MURRP project. The costs for the part time position will be included in regular grant reimbursement requests, therefore no overall impact on the budget. Administration staff will require a .22 FTE position which will be supplemented by our engineering tech and existing support staff.

**LEGAL CONCURRENCE:**

N/A

**ENVIRONMENTAL COMPLIANCE:**

N/A

**COMMITTEE STATUS:**

N/A

**RECOMMENDATION:**

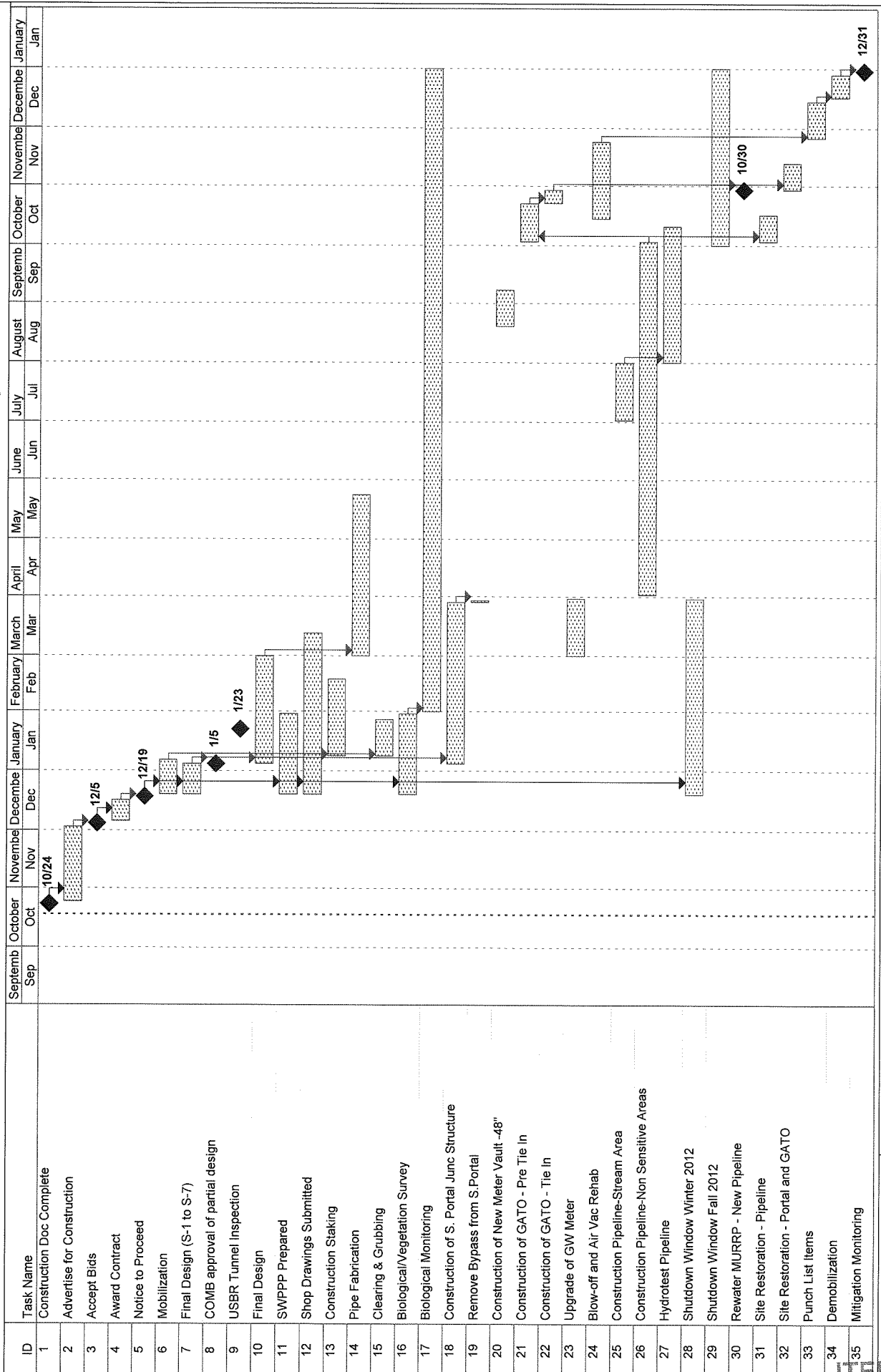
1. Authorize staff to perform Construction Management Services for the Modified Upper Reach Reliability Project.

**LIST OF EXHIBITS:**

1. Modified Upper Reach Reliability Project Construction Schedule
2. Full work plan submitted under separate cover

ITEM # 46  
PAGE 1

# Modified Upper Reach Reliability Project (2011-2012)



ID	Task Name	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January
1	Construction Doc Complete																	
2	Advertise for Construction																	
3	Accept Bids																	
4	Award Contract																	
5	Notice to Proceed																	
6	Mobilization																	
7	Final Design (S-1 to S-7)																	
8	COMB approval of partial design																	
9	USBR Tunnel Inspection																	
10	Final Design																	
11	SWPPP Prepared																	
12	Shop Drawings Submitted																	
13	Construction Staking																	
14	Pipe Fabrication																	
15	Clearing & Grubbing																	
16	Biological/Vegetation Survey																	
17	Biological Monitoring																	
18	Construction of S. Portal Junc Structure																	
19	Remove Bypass from S. Portal																	
20	Construction of New Meter Vault -48"																	
21	Construction of GATO - Pre Tie In																	
22	Construction of GATO - Tie In																	
23	Upgrade of GW Meter																	
24	Blow-off and Air Vac Rehab																	
25	Construction Pipeline-Stream Area																	
26	Construction Pipeline-Non Sensitive Areas																	
27	Hydrotest Pipeline																	
28	Shutdown Window Winter 2012																	
29	Shutdown Window Fall 2012																	
30	Rewater MURRP - New Pipeline																	
31	Site Restoration - Pipeline																	
32	Site Restoration - Portal and GATO																	
33	Punch List Items																	
34	Demobilization																	
35	Mitigation Monitoring																	

Task  
 Split  
 Progress  
 Milestone  
 Summary  
 Project Summary  
 External Tasks  
 External Milestone  
 Deadline

Project: MURRP Schedule  
Date: Tue 10/18/11

46

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	October 24, 2011
Submitted by:	Bruce Mowry and Tim Robinson
Approved by:	Bruce Mowry

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**SUBJECT:** Refugio Road Crossing of Quiota Creek – Santa Barbara County Easement  
Realignment – Update

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**SUMMARY:**

The County of Santa Barbara began a process in the summer of this year to realign all of their easements along Refugio Road where the road crosses Quiota Creek in accordance with proposed or completed fish passage projects for all nine low flow crossings along the creek. Some areas will be added to and others removed from the existing recorded easements. The process to realignment the easements and record subsequent deeds will take time but will be beneficial to Reclamation-COMB's effort to improve fish passage along Quiota Creek as all remaining proposed projects will be entirely within the County easements. Until this process is done, all fish passage enhancement projects along Quiota Creek will be done with temporary construction easements where the project goes outside of the current County easements.

**FINANCIAL IMPACT:**

The County is funding this effort with no financial impact to COMB.

**LEGAL CONCURRENCE:**

N/A

**ENVIRONMENTAL COMPLIANCE:**

N/A

**COMMITTEE STATUS:**

N/A

**RECOMMENDATION:**

For COMB Board information only.

**LIST OF EXHIBITS:**

N/A

ITEM # 6  
PAGE 1

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	October 24, 2011
Submitted by:	Bruce Mowry and Tim Robinson
Approved by:	Bruce Mowry

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**SUBJECT:** Quiota Creek Crossing 2 Fish Passage Improvement Project – Update

---

**SUMMARY:**

The 60-foot bottomless arched culvert with four wing walls was successfully installed on 10/5/11 (Figure 1). The backfill material has been placed behind the arch and wing walls and the road base has been placed to allow construction vehicles (only) to drive across the bridge (Figure 2). The bridge received an anti-graffiti treatment. All stream and bank slope protection was completed on 10/18/11 and the stream was reactivated. The remaining tasks are to install the guard and bridge rails, pave the road, replace ranch fencing, hydro-mulch and seed, and plant mitigation trees. The project is scheduled to be completely done by the middle of November.

**FINANCIAL IMPACT:**

The project is within budget and as reflected in the FY11-12 Comb Budget for \$735,501. Tracking of the California Department of Fish and Game (CDFG) grant funds of \$735,501 are as follows:

	<b>COMB Budget</b>
<b>COMB Services</b>	In-kind
<b>Operating Expenses</b>	\$44,000
<b>Construction</b>	\$691,501
<b>Total</b>	<b>\$735,501</b>
<hr/>	
<b>CDFG Grant Funds</b>	\$735,501
<b>Operating Expenses</b>	\$44,000
<b>ConTech Arc (delivered)</b>	\$180,000
<b>Contractor</b>	\$424,623
<b>Change Order #1</b>	\$7,200
<b>Change Order #2</b>	\$32,080
<b>Contingency:</b>	<b>\$47,598</b>

**CHANGE ORDER:** Bedrock was discovered while excavating for the second of two constructed rock riffles that were part of the original design. Fish passage engineers from both the National Marine Fisheries Service (NMFS) and California Department of Fish and Game (CDFG) were consulted regarding the instability of a constructed riffle on top of bedrock. A new design was agreed upon to place five embedded rock bands into the bedrock and across the stream to maintain stream cobbles in place above the existing bedrock. The unexpected change in condition required a change order that give

ITEM # 8  
PAGE 1



COMB credit for the second rock riffle and provided the needed funds to built the rock bands and install a larger extent of engineered stream bed material. The final cost of the this change order (Charge Order #2) was \$32,080 and was approved by the COMB General Manager prior to construction.

**LEGAL CONCURRENCE:**

N/A

**ENVIRONMENTAL COMPLIANCE:**

N/A

**COMMITTEE STATUS:**

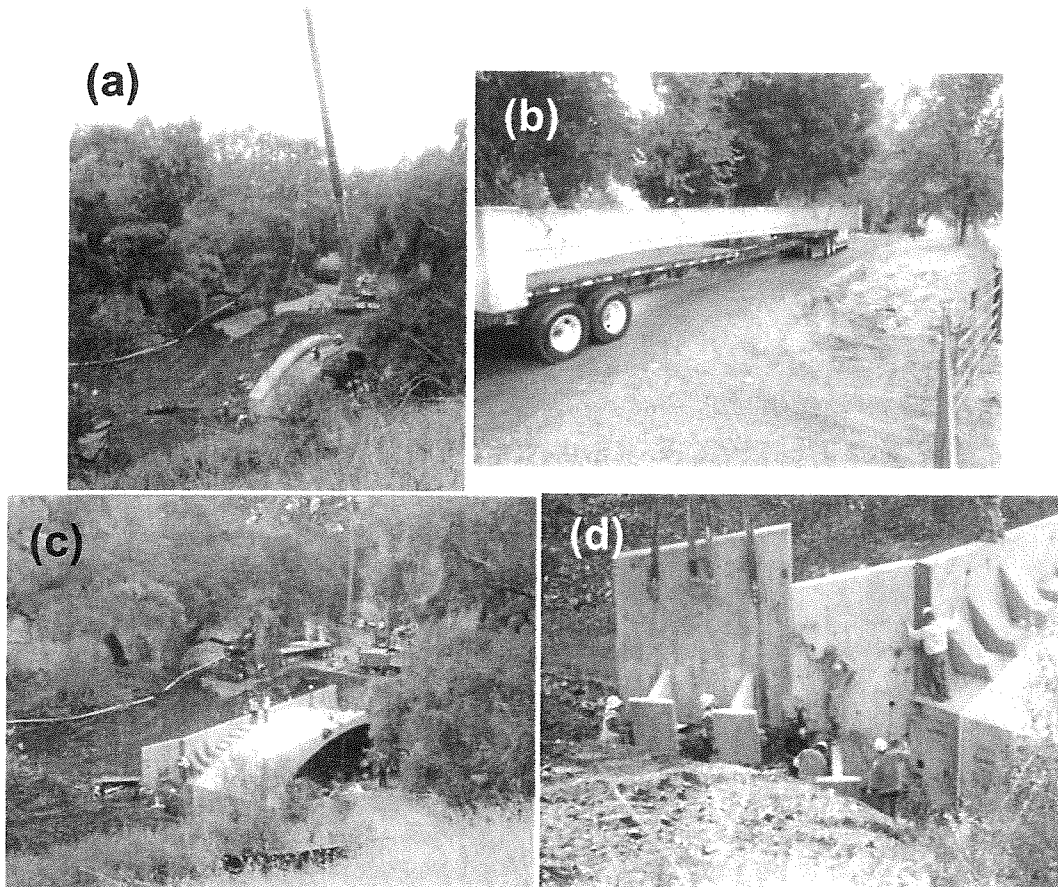
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**RECOMMENDATION:**

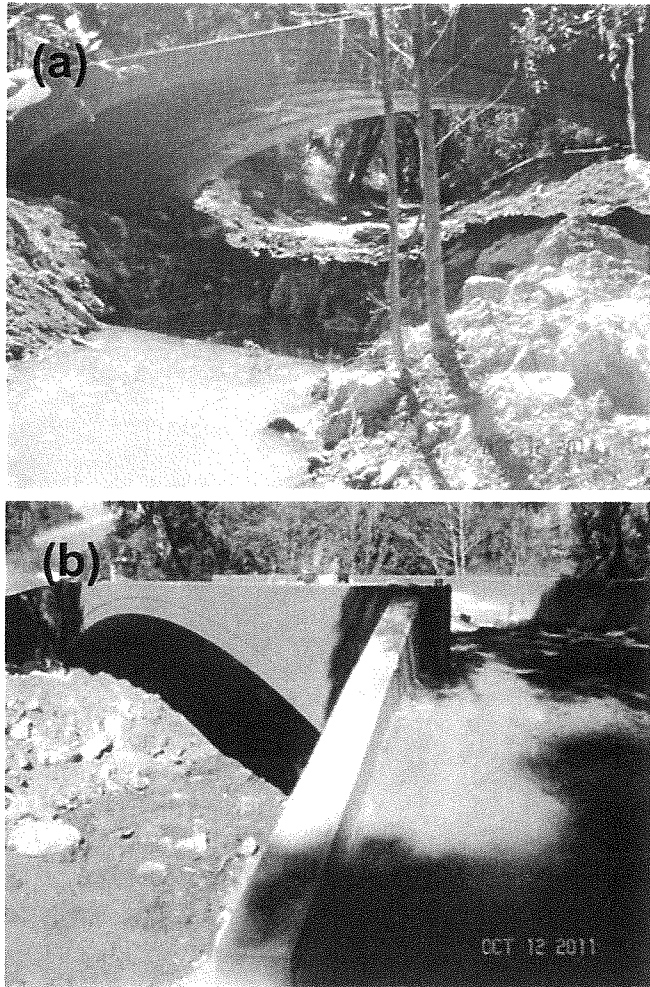
For COMB Board information only.

**LIST OF EXHIBITS:**

Figures 1-2



**Figure 1:** 60-foot bottomless arched culvert and wing wall installation on 10/5/11: (a) arch installation, (b) arch arrival, and wing wall installations (c) and (d).



**Figure 2:** Installed 60-bottomless arched culvert with graffiti treatment looking (a) upstream and (b) south across the bridge.

## Operations Report – September 2011

The average flow from Lake Cachuma into the Tecolote Tunnel for June was 82.44 acre-feet per day. The lake elevation was 749.50 feet at the beginning of the month and 748.06 feet at the end. The storage change was -4,189 acre-feet. 30.0 acre-feet of State Water Project water was wheeled through Cachuma Project facilities and delivered to South Coast Member Units during the month.

Activities conducted this period include:

- USBR again requested COMB's assistance with dam inspections and wanted to review previous recommendations. COMB is responsible for repairing items listed in previous comprehensive facility reviews. Staff is preparing a spread sheet of repairs along with photo documentation of repairs to be presented to USBR.
- Newly planted oak trees above the SCC adjacent to the Birnam Woods Golf course have not been addressed to date. Staff understands that MWD and COMB will jointly contact the property manager requesting removal of the oak trees.
- Staff is providing in house traffic control with the approval of Caltrans when within their right of way inspecting manholes. Staff will continue to inspect a few structures that contained water and will pump out as required.
- Operations and Fisheries staff are performing daily inspections of Quiota Creek Crossing 2 construction activities. This task requires daily inspection per County permit requirements. COMB is performing oversight as the Resident Engineer of Record. All phases of the project require close attention to detail and precise record keeping. The project is proceeding on schedule.
- Staff purchased materials associated with one lower reach air valve upgrade and installed materials the last week of September. The operation was a success and staff learned a few things for the next project. This manhole had a working valve and was off the street (easiest type of upgrade, no shut down of SCC). It took approximately two days of hard work with a half day clean up. Four staff members were trained on the installation and future air valve upgrades could be completed with two man teams taking approximately 2.5 days to complete one manhole. The cost of materials was approximately \$1,500. Staff will attempt one to two of these projects per month and will use the resulting information to formulate an action plan for next FY. Again, manholes with working valves can be done in house without shut downs, otherwise staff will work on developing a larger project with member agency and contractor assistance.
- The elevator at the North Portal has been repaired again after it failed inspection. The elevator remained at the bottom of the shaft and could not be retrieved remotely. Elevator currently works.

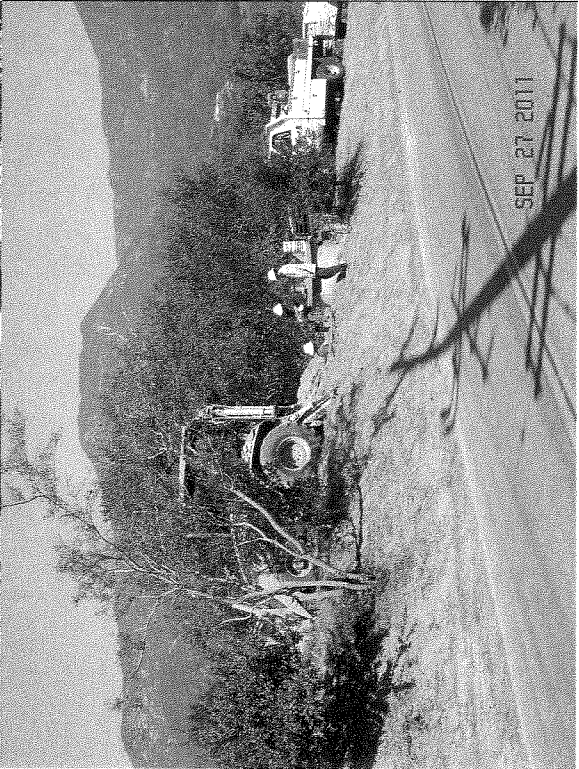
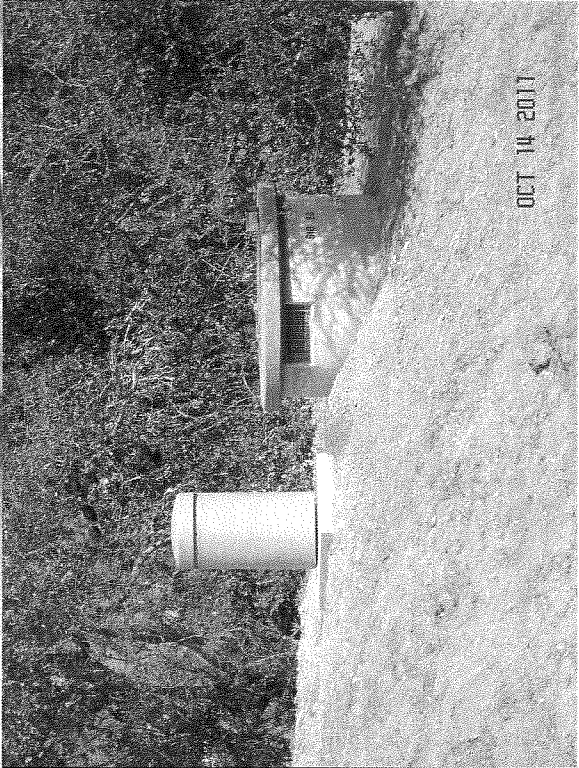
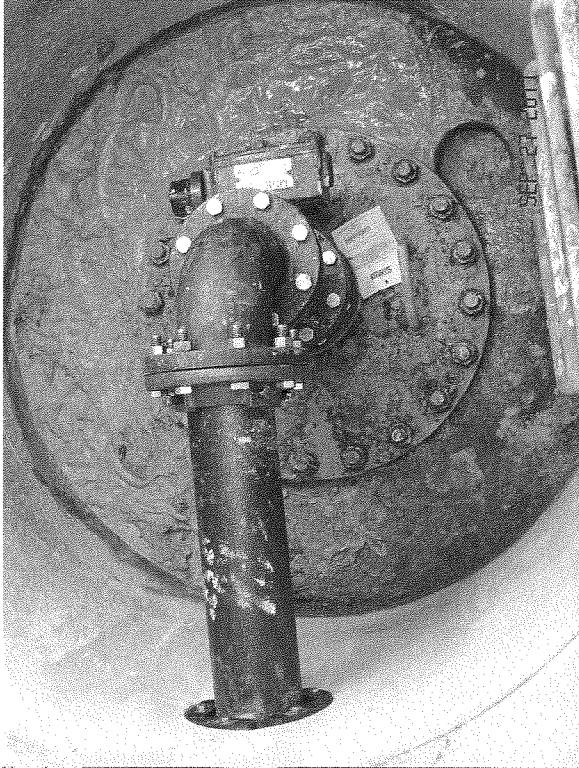
- COMB staff has agreed to make JPIA recommend changes to the access doors in Carpinteria Reservoir pit area. COMB has purchased a safety ladder and will install it by end of October.
- An emergency table top exercise was conducted the week of September 26<sup>th</sup> concerning valveing operations required for a break in the 48” line between the San Marcus isolation valve and CDMWTP. The exercise brought up a lot of questions and was a positive learning experience for all staff involved. Staff will continue to conduct these exercises on a monthly basis.
- Lauro debris basin clearing is budgeted in FY 2011-2012. The contract with Peter Lapidus Construction, Inc. was approved and executed. The work is scheduled for late October, the recent rains did not affect the project. Staff has prepared the debris basin for removal of the fill material in the basin by marking sidewalls and removing floating armature. Staff also prepared Lauro Yard for acceptance of under 50 CY of fill materials from the basin.
- Staff continues to work on the Modified Upper Reach Reliability Project keeping reliability as the project premise. Staff will include member agencies in all meetings and copy on all correspondence. Permitting and right of way issues are complete with the only exception of the USBR Construction Permit and the MP620 USBR permit. (Pending cursory review).
- With COMB staff supervision, the California Department of Forestry (CDF) continues to supply a crew to clear debris at the Glen Anne location.
- USBR and COMB have begun planning the next Tecolote Tunnel inspection. A phone coordination meeting was held on Oct 13<sup>th</sup> to discuss safety issues and date of inspection. The last week of January 2012 was discussed to coincide with the MURRP. USBR will request confirmation and a hard date by end of November. USBR had “no opinion” concerning tunnel flushing as required periodically in the SOP, therefore COMB will discuss prior to tunnel walk.
- COMB new hires will need to be confined space trained and fit tested with their particle masks/respirators. A Quotation was received from SECORP for COMB staff, but it would be more cost effective if member agencies were involved (no response to date). COMB staff will need to be trained prior to Tecolote Tunnel inspection in January 2012.
- COMB’s SCADA system went down during Cater’s trial shut down the first week of October. The cause of SCADA system failure was due to Verizon’s antiquated copper phone line system. Verizon recommended going to radio transmission as they cannot guarantee against future outages. COMB staff will investigate options that may include, cellular phone based systems.
- The Ortega Reservoir and other facility elevations were brought up prior to Cater shutdown. As noted in the weekly Ortega dam report, the Ortega reservoir toe drain reading noted a flow increase. This is also being monitored closely by MWD, CVWD and USBR.

- The issue of the Boundary Meter was discussed at the quarterly C.I.P. meeting. MWD and CVWD suggested exploring the least cost option of replacing the meter in the existing vault by inserting an upside down plug (hat) in the existing manhole (to smooth out flow characteristics) and inserting the new meter with corresponding converter unit into existing facilities. Staff will explore this option fully and provide an estimate.
- A blow-off manhole downstream of the Boundary Meter on Foothill Road in Carpinteria was found to be inoperative during routine maintenance. The blow-off drain pipe was no longer connected to the drainage system under Foothill and had no place to drain. Staff coordinated with Caltrans and CVWD to undertake repairs in-house. Repairs took two long days of work requiring a partial shut down of Foothill Road. Staff would like to thank CVWD for lending a staff member for traffic control. Repairs are completed and fully tested (see pictures).
- COMB's next quarterly C.I.P. meeting will be held January 5, 2012 9:30 a.m. at the COMB office.

Routine monthly operation and maintenance activities conducted during this period included:

- Daily structure maintenance per maintenance program
- Water samples taken at the North Portal Intake Tower
- Fish screens were pulled and cleaned
- Monitored conduit right-of-way and responded to Dig Alert reports
- Read piezometers and underdrains at Glen Anne, Lauro, Ortega and Carpinteria Dams
- Remove undesirable vegetation from dam faces and other structures
- Place rodent bait traps all facilities
- Meter reads, monthly dam inspections, and venturi meters flushed monthly
- Prepare and distribute pesticide use report
- Monitor dam conditions and send report to USBR
- Monitor cathodic protection at Lauro Yard (54" steel pipe)
- Weekly safety meetings
- All facility drainage monitoring during and after rains

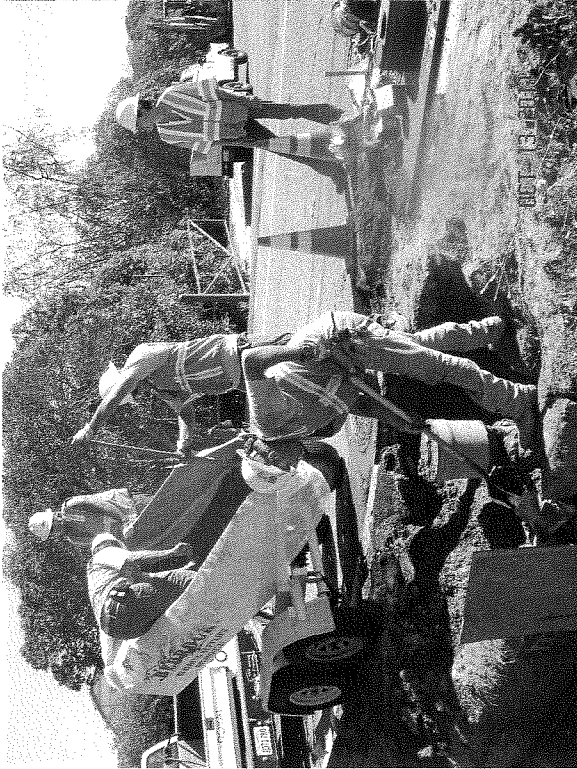
**COMB  
Air Vent Upgrade**



ITEM # 9  
PAGE 4

**September 2011**

**COMB Blow-Off Rehab  
Foothill Road, Carpinteria**



# CACHUMA OPERATION AND MAINTENANCE BOARD

## MEMORANDUM

**DATE:** October 24, 2011  
**TO:** Board of Directors  
**FROM:** Tim Robinson, Sr. Resource Scientist  
Bruce Mowry, General Manager  
**RE: September 2011 LOWER SANTA YNEZ RIVER FISHERIES REPORT**

In compliance with the Cachuma Project Biological Opinion (BO) and as described in the Lower Santa Ynez River Fish Management Plan (FMP) and the Monitoring Program in the 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 during the month of September 2011 that has been broken out by categories.

### Snorkel Surveys:

Snorkel surveys are conducted at the end of the spring, summer and fall each year. The summer survey was initiated in September and finished during the first week of October. The totals for the summer survey are presented in Table 1.

**Table 1: 2011 Summer snorkel survey results for all long-term monitoring reaches.**

Reach	Spring 2011 Survey	Summer 2011 Survey	Difference (Spring minus Summer)
<b>LSYR Mainstem:</b>			
Hwy 154	59	114	-55
Refugio	54	39	15
Alisal	38	39	-1
Below Alisal	19	28	-9
<b>Tributaries:</b>			
Hilton Creek	1139	1195	-56
Quiota Creek - Crossings 5-9	130	167	-37
Quiota Creek - Above Crossing 9	510	418	92
Salsipuedes Creek*	258	79	179
El Jaro Creek**	353	232	121

\* Summer survey was done in one of five reaches only due to turbid water conditions.

\*\* Summer survey did not include one reach due to turbid water conditions.

### Thermograph Network:

All thermographs were deployed at the beginning of June to record water temperatures at all designated locations within the LSYR mainstem and several tributaries. The units are downloaded monthly and the results are summarized in the Annual Monitoring Report.

### Lake Cachuma Water Quality Profiles:

CPBS conducted their monthly water quality profile (temp and DO) at the intake barge for the Hilton Creek Watering System within Lake Cachuma. This monitoring effort is done from May through November to track water quality and lake stratification to depth.



**Tributary Project - Crossing 2:**

This project began construction on September 6, 2011. The project has been going well and the contractor should be done on time.

**Surcharge Water Accounting:**

The following is a table (Table 1) of the amount of Surcharge water used to date from each of the three accounts. All numbers come from Reclamation’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.

**Table 1: Summary of the surcharge water accounting.**

<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</b>	3,200	0	3,200
<b>Adaptive Management</b>	500	0	500
<b>Rearing***</b>	5,242	3,254	1,988
<b>Total:</b>	<b>8,942</b>	<b>3,254</b>	<b>5,688</b>

\* Originally was 9,200 and as of 2008 it is 8,942

\*\* Values as of 9/30/11

\*\*\* This is not an official account and is what remains after subtracting the other two accounts.

**Reporting:**

CPBS received all final comments on the draft 2009 Annual Monitoring Report. The report should be completed and delivered to NMFS within a few weeks. Progress was made on the 2010 Annual Monitoring Report that will be ready for review soon.

**Outreach and Training:**

The Cachuma Project Biology Staff continued to meet with landowners on Quiota Creek in preparation for constructing fish passage projects this fall. CPBS worked with NMFS on their flow and water temperature monitoring effort on the Lower Santa Ynez River. The Sr. Resource Scientist gave a presentation at the American Planners Association meeting in Santa Barbara on 9/13/11 regarding the importance of planning in relation to fisheries restoration projects.

**Consultant Activity Summary (September):**

**Melinda Fournier Tree Specialist** (Melinda Fournier) – Cachuma Lake Oak Tree Restoration Program: monthly field maintenance and nursery operations.

**HDR Fisheries Design Center** (Mike Garello) – Design work for Quiota Creek Crossings in preparation for project permitting, regulatory review and grant proposals. Bid packet materials for the Quiota Creek Crossing 2 project.

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

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

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	October 24, 2011
Submitted by:	Bruce Mowry and Tim Robinson
Approved by:	Bruce Mowry

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**SUBJECT:** El Jaro Creek- Cross Creek Ranch Weir Repair

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**SUMMARY:**

COMB constructed a steelhead passage improvement project at the Cross Creek Ranch on El Jaro Creek in the fall of 2009. The project modified an existing low flow crossing on El Jaro Creek (tributary of Salsipuedes Creek and the Santa Ynez River) by installing a series of five rock weirs within the active channel to allow fish passage. The subsequent two winters (2010 and 2011) had several large storm events which displaced some of the boulders in the upper two weirs within the project site. Both of those weirs have a potential flanking problem and the upper most weir needs two rocks added to address a low point in the structure so that NMFS and CDFG design criteria continue to be met. The recommended repair is to place seven 2-4 ton boulders in the three damaged locations, adding small chinking rock to seal the weir. The repair work will occur under the direction of the project engineer, Ed Wallace from Northwest Hydraulics and will happen during the fall of this year. The cost of the repair is \$8,940 and will be done by Peter Lapidus Construction. COMB has applied for California Department of Fish and Game (CDFG) discretionary funds grant as recommended by Mary Larson, CDFG Grants Coordinator for this region. The project will go forward upon receiving full grant funding.

**FINANCIAL IMPACT:**

The cost to fix the weirs is \$8,940 that will be fully reimbursed by CDFG.

**LEGAL CONCURRENCE:**

N/A

**ENVIRONMENTAL COMPLIANCE:**

N/A

**COMMITTEE STATUS:**

N/A

**RECOMMENDATION:**

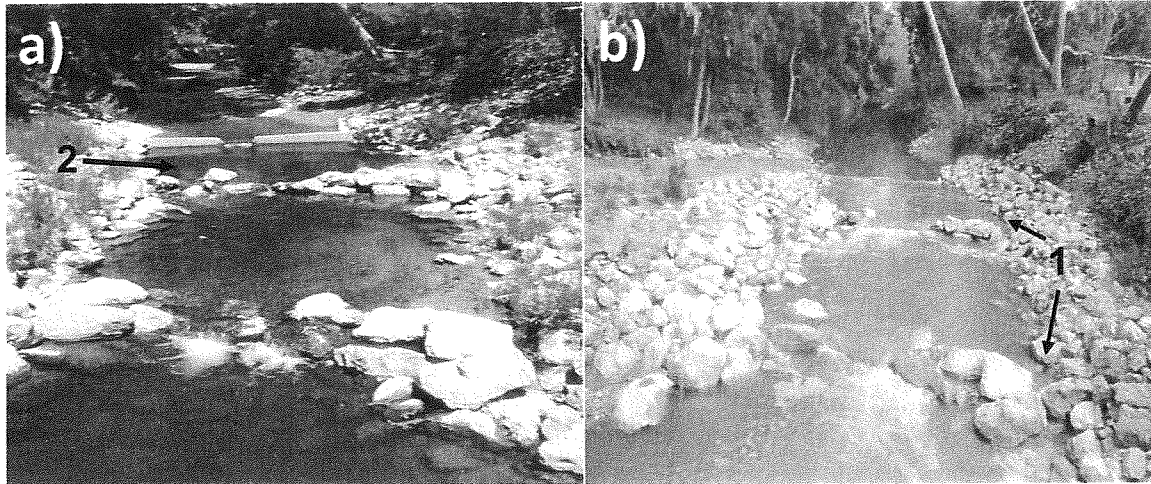
For COMB Board information only. The intent of the COMB General Manager is to accept the CDFG grant funding and carry out the proposed weir repair.

ITEM # 106

PAGE 1

**LIST OF EXHIBITS:**

Figure 1



**Figure 1:** El Jaro Cross Creek Ranch project looking at the upper two weirs in: (a) July 2011 and (b) February 2011; repairs needed are flanking (1) and low point (2).



**10-11 ENTITLEMENT**

**CACHUMA OPERATION AND MAINTENANCE BOARD  
WATER PRODUCTION AND WATER USE REPORT  
FOR THE MONTH OF SEPTEMBER 2011 AND THE WATER YEAR TO DATE**

(All in rounded Acre Feet)

						<b>MONTH TOTAL</b>	<b>YTD TOTAL</b>
<b>WATER PRODUCTION:</b>							
Cachuma Lake (Tec. Diversion)						2,473	26,833
Tecolote Tunnel Infiltration						180	1,934
Glen Anne Reservoir						0	0
Cachuma Lake (County Park)						9	79
State Water Diversion Credit						30	799
Gibraltar Diversion Credit						0	0
Bishop Ranch Diversion						0	100
Meter Reads						2,438	26,904
So. Coast Storage gain/(loss)						7	(60)
<b>Total Production</b>						<b>2,662</b>	<b>28,847</b>
<b>Total Deliveries</b>						<b>2,475</b>	<b>27,743</b>
Unaccounted-for						186	1,104
% Unaccounted-for						7.00%	3.83%
	<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	886	618	318	135	9	1,965	
Agricultural	283		55	135		473	
<b>TOTAL FOR MONTH</b>	<b>1,169</b>	<b>618</b>	<b>373</b>	<b>270</b>	<b>9</b>	<b>2,438</b>	
Same Mo/prev. yr	1,291	618	341	462	10	2,722	
M&I Yr to date	9,324	9,422	2,458	1,444	80	22,727	
Ag. Yr to date	2,027	0	294	1,211	0	3,532	
<b>TOTAL YTD</b>	<b>11,351</b>	<b>9,422</b>	<b>2,752</b>	<b>2,655</b>	<b>80</b>	<b>26,259</b>	
USAGE % YTD	81.8%	62.2%	66.1%	57.3%	68.4%	69.2%	
<b>Previous Year/YTD</b>	<b>10,464</b>	<b>6,881</b>	<b>3,496</b>	<b>2,699</b>	<b>82</b>	<b>23,622</b>	
Evaporation	0	0	0	0	0	0	
Evaporation, YTD	11	104	17	16	1	149	
Entitlement	9,322	8,277	2,651	2,813	2,651	25,714	
Carryover	1,566	6,754	1,122	1,231	112	10,785	
Carryover Balances Spilled YTD	0	(2,547)	(529)	(339)	(7)	(3,422)	
Surplus^^	1,879	1,804	470	457	488	5,098	
State Water Exchange^	1,126	750	750	500	(3,126)	0	
Transfers*/Adjustment***	0	277	(277)	0	0	0	
Passthrough H2O**	0	0	0	0	0	0	
<b>TOTAL AVAILABLE</b>	<b>13,893</b>	<b>15,315</b>	<b>4,187</b>	<b>4,662</b>	<b>118</b>	<b>38,175</b>	
<b>REMAINING BALANCE</b>	<b>2,531</b>	<b>5,789</b>	<b>1,418</b>	<b>1,991</b>	<b>37</b>	<b>11,766</b>	

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

State Water Deliveries for SEPTEMBER to Lake Cachuma were: MWD 0 AF; CVWD 0 AF  
GWD 0 AF (Morehart 0 AF); City of S.B. 0 AF; and LaCumbre 30 AF; (Ratheon 0 AF).

^ Per SWP Exchange Agrmt GWD received 206 AF; MWD received 137;  
City of SB received 137 AF; and CVWD received 91 AF from ID#1 in SEPTEMBER 2011.

^^ Spill declared 3/20/2011 - Spill declared over 5/13/2011

\* MWD to City of SB Juncal Dam Exchange Agreement - (agreed to 277af of normal 300af agreement)

ITEM # 11a  
PAGE 2

CACHUMA OPERATION AND MAINTENANCE BOARD  
WATER STORAGE REPORT

MONTH: September 2011

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	346.50 Feet
Water in Storage	84.41 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	546.30 Feet
Water in Storage	535.60 Acre Feet

ORTEGA RESERVOIR

Capacity at 460' elevation:	65 Acre Feet
Capacity at outlet at elevation 440':	0 Acre Feet
Stage of Reservoir Elevation	453.90 Feet
Water in Storage	42.96 Acre Feet

CARPINTERIA RESERVOIR

Capacity at 384' elevation:	45 Acre Feet
Capacity at outlet elevation 362':	0 Acre Feet
Stage of Reservoir Elevation	378.70 Feet
Water in Storage	31.92 Acre Feet

TOTAL STORAGE IN RESERVOIRS

	610.48 Acre Feet
Change in Storage	6.96 Acre Feet

CACHUMA RESERVOIR\*

Capacity at 750' elevation:	186,636 Acre Feet
Capacity at sill of tunnel 660' elevation:	25,668 Acre Feet

Stage of Reservoir Elevation	748.06 Feet
Water in Storage	180,986 AF
Area	2,892
Evaporation	1,254.8 AF
Inflow	263 AF
Downstream Release WR8918	0 AF
Fish Release	753.7 AF
<b>Spill/Seismic Release</b>	0 AF
State Project Water	30 AF
Change in Storage	-4,189 AF
Tecolote Diversion	2,473.2 AF

**Rainfall: Month: 0.00 Season: 0 Percent of Normal: 0%**

\* New capacity table adopted Dec. 2008 as a result of the Bathymetric Study completed in Sept. 2008, resulted in 1110 AF reduction of storage.

**SUMMARY OF WATER USED**

CACHUMA PROJECT - CONTRACT #175R-1802

Contract Year: 10/1/10 to: 9/30/11

Contract Entity: Carpinteria Valley Water District  
Last updated by C.O.M.B. 9/30/11

Month	Approved Schedule		Carryover Previous Year	TOTAL WATER USED			WATER USED CHARGED TO CARRYOVER BALANCES			WATER USED CHARGED TO CURRENT ENTITLEMENT			
	Current Year	2813		1231	M & I	Agr	Total	Evap	Div	Acre-feet	M & I	Agr	Total
Oct				136	114	251	7	251	258	140	117	0	0
Nov				138	88	226	3	226	229	140	89	0	0
Dec				127	62	189	2	189	191	128	63	0	0
Jan				66	33	99	1	99	100	67	33	0	0
Feb				33	21	54	1	54	55	34	22	0	0
Mar				35	21	57	2	57	58	37	22	0	0
Apr				160	130	290	0	0	0	0	0	160	130
May				178	173	351	0	0	0	0	0	178	173
Jun				117	110	227	0	0	0	0	0	117	110
Jul				156	163	319	0	0	0	0	0	156	163
Aug				163	161	324	0	0	0	0	0	163	161
Sep				135	135	270	0	0	0	0	0	135	135
Total				1,445	1,212	2,657	16	876	892	546	346	909	872

**CONVERSIONS**

Month	STORAGE WATER		CURRENT SCHEDULE		SCHEDULE AND REVISIONS		SCHEDULE AND REVISIONS	
	M & I	Agr	M & I	Agr	Total	M & I	AG	Total
Oct	0	0	0	0	1,231	456	775	2,813
Nov	0	0	0	0	0	0	0	12
Dec	0	0	0	0	0	0	0	0
Jan	19	-19	0	0	0	0	0	0
Feb	34	-34	0	0	0	0	0	0
Mar	37	-37	0	0	(339)	(339)	28	28
Apr	0	0	0	0	0	0	337	337
May	0	0	0	0	0	0	214	214
Jun	0	0	0	0	0	0	76	76
Jul	0	0	0	0	0	0	111	111
Aug	0	0	0	0	0	0	88	88
Sep	0	0	0	0	0	0	91	91

Month	REMAINING BALANCES		SCHEDULE AND REVISIONS		SCHEDULE AND REVISIONS	
	Total	M&I	AG	Total	M&I	AG
Oct	973	316	658	1,231	1,013	1,800
Nov	744	176	569	0	12	1800
Dec	553	48	506	0	0	1800
Jan	453	0	454	0	0	1800
Feb	398	0	398	0	0	1800
Mar	0	0	0	0	0	1800
Apr	0	0	0	0	0	1800
May	0	0	0	0	0	1670
Jun	0	0	0	0	0	1497
Jul	0	0	0	0	0	1387
Aug	0	0	0	0	0	1224
Sep	0	0	0	0	0	1063
Total	1,988	316	658	1,231	1,013	928

ITEM # 11a  
PAGE 4

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

Contract Year: 10/1/10 to: 9/30/11

Contract Entity: Goleta Water District  
 Last updated by C.O.M.B. 9/30/11

Month	Approved Schedule		Carryover Previous Year	TOTAL WATER USED			WATER USED CHARGED TO CARRYOVER BALANCES			WATER USED CHARGED TO CURRENT ENTITLEMENT					
	Current Year	9322		1566	M & I	Agr	Total	Evap	Div	Total	M & I	Agr	Total		
Oct				688	191	889		9	889	898	705	193	0	0	0
Nov				632	115	747		2	666	668	565	103	69	13	82
Dec				564	83	647		0	0	0	0	0	564	83	647
Jan				614	37	651		0	0	0	0	0	614	37	651
Feb				576	104	680		0	0	0	0	0	576	104	680
Mar				612	55	667		0	0	0	0	0	612	55	667
Apr				952	120	1,073		0	0	0	0	0	952	120	1,072
May				1,090	268	1,358		0	0	0	0	0	1,090	268	1,358
Jun				775	173	948		0	0	0	0	0	775	173	948
Jul				992	289	1,281		0	0	0	0	0	992	289	1,281
Aug				933	309	1,242		0	0	0	0	0	933	309	1,242
Sep				886	283	1,169		0	0	0	0	0	886	283	1,169
Total				9,324	2,028	11,352		11	1,555	1,566	1,270	296	8,063	1,734	9,797

**CONVERSIONS**

Month	STORAGE WATER	CURRENT SCHEDULE
	M & I	M & I
Oct	0	0
Nov	0	0
Dec	492	-492
Jan	0	0
Feb	0	0
Mar	0	0
Apr	0	0
May	0	0
Jun	0	0
Jul	0	0
Aug	0	0
Sep	0	0

**SCHEDULES AND REVISIONS**

Month	Total	M&I	AG	Total	M&I	AG
Begin Bal	1,566	778	788	1,566	778	788
ID#1 Ex+27	0	0	0	0	0	0
Exch+19/Surplus+237	0	0	0	0	0	0
ID#1 Ex+106/Surplus+1073	0	0	0	0	0	0
ID#1 Ex+150/Surplus+569	0	0	0	0	0	0
ID#1 Ex+170	0	0	0	0	0	0
ID#1 Ex+249	0	0	0	0	0	0
ID#1 Ex+199	0	0	0	0	0	0
ID#1 Ex+206	0	0	0	0	0	0
Total	1,566	778	788	1,566	778	788

**REMAINING BALANCES**

Month	Total	M&I	AG	Total	M&I	AG
Oct	668	73	595	668	73	595
Nov	0	0	0	0	0	0
Dec	0	0	0	0	0	0
Jan	0	0	0	0	0	0
Feb	0	0	0	0	0	0
Mar	0	0	0	0	0	0
Apr	0	0	0	0	0	0
May	0	0	0	0	0	0
Jun	0	0	0	0	0	0
Jul	0	0	0	0	0	0
Aug	0	0	0	0	0	0
Sep	0	0	0	0	0	0
Total	668	73	595	668	73	595

ITEM # 11a  
 PAGE 5

TOTAL 2,530



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

Contract Year: 10/1/10 to: 9/30/11

Contract Entity: Montecito Water District  
 Last updated by C.O.M.B. 9/30/11

Month	Approved Schedule Current Year	Carryover Previous Year	TOTAL WATER USED			WATER USED CHARGED TO CARRYOVER BALANCES			WATER USED CHARGED TO CURRENT ENTITLEMENT			
			M & I	Agr	total	Evap	Div	Total	M & I	Agr	Total	
Oct	2651	1122	179	25	204	6	204	210	185	26	0	0
Nov			150	24	174	3	174	177	153	24	0	0
Dec			87	6	93	2	93	95	88	6	0	0
Jan			0	0	0	1	0	1	0	1	0	0
Feb			0	0	0	2	0	2	0	2	0	0
Mar			100	6	106	3	106	109	102	6	0	0
Apr			255	19	274	0	0	0	0	0	255	19
May			339	37	376	0	0	0	0	0	339	37
Jun			254	27	282	0	0	0	0	0	254	27
Jul			400	48	448	0	0	0	0	0	400	48
Aug			376	47	423	0	0	0	0	0	376	47
Sep			318	55	373	0	0	0	0	0	318	55
Total	2651	1122	2,458	294	2,752	17	577	594	528	65	1,942	233

**CONVERSIONS**

STORAGE WATER		CURRENT SCHEDULE		Month
M & I	Agr	M & I	Agr	
-16	16	0	0	Oct
-24	24	0	0	Nov
-6	6	0	0	Dec
-1	1	0	0	Jan
-2	2	0	0	Feb
-6	6	0	0	Mar
0	0	0	0	Apr
0	0	0	0	May
0	0	0	0	Jun
0	0	0	0	Jul
0	0	0	0	Aug
0	0	0	0	Sep

**SCHEDULE AND REVISIONS**

Total	M & I	Agr	Total
1,122	1,112	10	2,651
0	0	18	18
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
(529)	(529)	0	50
Exch+12/Spill-529/Surplus+38			344
Exch+70/Surplus+274			258
Exch+100/Surplus+158			114
Exch+114			166
Exch+166			133
Exch+133			(140)
Exch+137 / -277 Juncal			

**REMAINING BALANCES**

Total	M & I	Agr	Total
912	911	0	2669
735	734	0	2669
640	640	0	2669
639	639	0	2669
637	637	0	2669
0	0	0	2719
0	0	0	2789
0	0	0	2671
0	0	0	2504
0	0	0	2222
0	0	0	1932
0	0	0	32

TOTAL 1,419

ITEM # 1/a  
 PAGE 6

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

Contract Year: 10/1/10 to: 9/30/11

Contract Entity: City of Santa Barbara  
 Last updated by C.O.M.B. 9/30/11

Month	Approved Schedule		Carryover Previous Year	WATER USE CHARGED TO CARRYOVER BALANCES				WATER USE CHARGED TO CURRENT ENTITLEMENT	
	Current Year	8277		6754	Evap	Acres-fee Div	Allocation M & I	Agr	M & I
Oct	0	691	0	38	691	729	0	0	0
Nov	0	814	0	21	814	835	0	0	0
Dec	0	850	0	11	850	861	0	0	0
Jan	0	573	0	10	573	583	0	0	0
Feb	0	509	0	11	509	520	0	0	0
Mar	0	665	0	13	665	678	0	0	0
Apr	0	987	0	0	0	0	0	987	0
May	0	1,386	0	0	0	0	0	1,386	0
Jun	0	930	0	0	0	0	0	930	0
Jul	0	747	0	0	0	0	0	747	0
Aug	0	652	0	0	0	0	0	652	0
Sep	0	618	0	0	0	0	0	618	0
Total	0	9,422	0	104	4,103	4,207	4,206	5,320	0

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
Total	0	0	0	0	0	0	0	0

Month	REMAINING BALANCES	
	Total	M & I
Oct	6025	6025
Nov	5190	5190
Dec	4329	4329
Jan	3746	3746
Feb	3226	3226
Mar	0	0
Apr	0	0
May	0	0
Jun	0	0
Jul	0	0
Aug	0	0
Sep	0	0
Total	6025	6025

ITEM # 11a  
 PAGE 7

TOTAL 5,788

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

Contract Year: 10/1/10 to: 9/30/11

Contract Entity: Santa Ynez River Water Conservation District, ID#1  
 Last updated by C.O.M.B. 9/30/11

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	Total
Oct	7	7	1	7	7	7	0	0
Nov	6	6	0	6	6	6	0	0
Dec	4	4	0	4	4	4	0	0
Jan	5	5	0	5	5	5	0	0
Feb	4	4	0	4	4	4	0	0
Mar	4	4	0	4	4	4	0	0
Apr	4	4	0	4	4	4	0	4
May	7	7	0	0	0	7	0	7
Jun	8	8	0	0	0	8	0	8
Jul	12	12	0	0	0	12	0	12
Aug	10	10	0	0	0	10	0	10
Sep	9	9	0	0	0	9	0	9
Total	79	79	1	29	30	30	0	50

**CONVERSIONS**

Month	STORAGE WATER		CURRENT SCHEDULE	
	M & I	Agr	M & I	Agr
Oct	0	0	0	0
Nov	5	-5	0	0
Dec	4	-4	0	0
Jan	5	-5	0	0
Feb	4	-4	0	0
Mar	11	-11	0	0
Apr	0	0	0	0
May	0	0	0	0
Jun	0	0	0	0
Jul	0	0	0	0
Aug	0	0	0	0
Sep	0	0	0	0

**SCHEDULE AND REVISIONS**

Begin Bal	Total		M & I		Agr	
	M & I	Agr	M & I	Agr	M & I	Agr
112	34	78	34	26	78	858
(75)	(26)	(49)	(26)		(49)	
(7)	(7)		(7)			(14)
(165)	(77)		(77)			(165)
(474)	(141)		(141)			(333)
(692)	(207)		(207)			(485)
(553)	(147)		(147)			(406)
(371)	(194)		(194)			(377)

**COUNTY PARKS**

A.F. Used	Total		M & I		Agr	
	M & I	Agr	M & I	Agr	M & I	Agr
6.56	30	1	30	1	29	858
5.88	24	0	24	0	24	858
4.47	20	0	20	0	20	858
4.74	15	0	15	0	15	858
3.66	11	0	11	0	11	858
3.83	0	0	0	0	0	844
4.21	0	0	0	0	0	840
7.2	0	0	0	0	0	756
8.0	0	0	0	0	0	607
11.77	0	0	0	0	0	388
10.19	0	0	0	0	0	231
8.76	0	0	0	0	0	28

**REMAINING BALANCES**

Month	Total		M & I		Agr	
	M & I	Agr	M & I	Agr	M & I	Agr
Oct	2651	1793	2651	1793	2651	1793
Nov	2651	1793	2651	1793	2651	1793
Dec	2651	1793	2651	1793	2651	1793
Jan	2651	1793	2651	1793	2651	1793
Feb	2651	1793	2651	1793	2651	1793
Mar	2651	1793	2651	1793	2651	1793
Apr	2651	1793	2651	1793	2651	1793
May	2651	1793	2651	1793	2651	1793
Jun	2651	1793	2651	1793	2651	1793
Jul	2651	1793	2651	1793	2651	1793
Aug	2651	1793	2651	1793	2651	1793
Sep	2651	1793	2651	1793	2651	1793

\*NOTE: March  
 April  
 May  
 Ex cwwd-8/gwd-19/city-12/mwd-12/splli-7/surplus+20  
 Ex cwwd-47/gwd-108/city-70/mwd-70/surplus+293  
 Ex cwwd-67/gwd-150/city-100/mwd-100/surplus+175

ITEM # 11a  
 PAGE 8

TOTAL 38

**SUMMARY OF WATER USED**

CACHUMA PROJECT - CONTRACT #175R-1802

Contract Year: 10/1/10 to: 9/30/11

Santa Barbara Co. Water Agency  
Last updated by C.O.M.B. 9/30/11

Contract Entity:

Month	Approved Schedule Current Year	Storage Credit Previous Year	TOTAL WATER USED			WATER USED CHARGED TO CARRYOVER BALANCES			WATER USED CHARGED TO CURRENT ENTITLEMENT				
			Use %	Acre-feet		Evap	Allocation		M & I	Acre-feet			
				M & I	Agri		Total	Div		M & I	Agri	Total	
Oct	25714	10785	5.75%	1,711	330	60	2,042	2,102	1,766	336	0	0	
Nov			5.46%	1,740	227	30	1,886	1,916	1,699	216	13	82	
Dec			4.93%	1,632	151	15	1,136	1,151	1,081	69	83	647	
Jan			3.67%	1,258	70	13	677	689	655	34	37	651	
Feb			3.45%	1,122	125	14	567	581	558	24	104	680	
Mar			4.09%	1,416	82	18	832	849	821	28	55	667	
Apr			6.58%	2,359	269	0	1	1	0	0	2,358	2,627	
May			8.47%	3,000	478	0	0	0	0	0	3,000	3,478	
Jun			6.28%	2,084	311	0	0	0	0	0	2,084	2,395	
Jul			7.69%	2,307	500	0	0	0	0	0	2,307	2,807	
Aug			7.26%	2,134	517	0	0	0	0	0	2,134	2,651	
Sep			6.68%	1,966	473	0	0	0	0	0	1,966	2,439	
Total	25714	10785	70.32%	22,729	3,534	150	7,139	7,289	6,580	707	16,284	2,839	19,124

**CONVERSIONS**

STORAGE WATER		CURRENT SCHEDULE		CURRENT SCHEDULE		SCHEDULE AND REVISIONS		SCHEDULE AND REVISIONS			
M & I	Agri	M & I	Agri	M & I	Agri	M & I	Agri	M & I	Agri		
-16	16	0	0	10,785	9,134	19,396	6,318	19,396	6,318		
473	-473	0	0	(75)	(26)	(49)	0	75	0		
-2	2	0	0	0	0	0	0	0	0		
23	-23	0	0	0	0	0	0	0	0		
36	-36	0	0	0	0	0	0	0	0		
42	-42	0	0	(3,422)	(3,083)	(339)	0	568	(17)		
0	0	0	0	0	0	0	0	2,917	0		
0	0	0	0	0	0	0	0	1795	(165)		
0	0	0	0	0	0	0	0	333	(333)		
0	0	0	0	0	0	0	0	485	(485)		
0	0	0	0	0	0	0	0	406	(406)		
0	0	0	0	0	0	0	0	377	(377)		
0	0	0	0	0	0	0	0	0	0		
Total		0	0	10,785	9,134	1,651	6,318	19,396	6,318	25,714	75

**COUNTY PARKS**

A.F. Used	Total	M & I	Agri	Total	M & I	Agri	Total
6.56	8608	7326	1282	19471	6318	25789	19471
5.88	6692	6100	593	19402	6305	25707	19402
4.47	5542	5017	526	18838	6222	25060	18838
4.74	4853	4385	469	18224	6185	24409	18224
3.66	4271	3863	409	17648	6081	23729	17648
3.83	0	0	0	17604	6009	23613	17604
4.21	0	0	0	18163	5740	23903	18163
7.16	0	0	0	16958	5262	22055	16958
8.03	0	0	0	15207	4619	19660	15207
11.77	0	0	0	13385	3634	16853	13385
10.19	0	0	0	11657	2711	14202	11657
8.76	0	0	0	10068	1861	11763	10068
Total	8608	7326	1282	19471	6318	25789	19471

TOTAL 11,763

TOTAL 11,763

ITEM # 11a  
PAGE 9

UNITED STATES DEPARTMENT OF THE INTERIOR  
 U.S. BUREAU OF RECLAMATION-CACHUMA PROJECT-CALIFORNIA

OCTOBER 2011

LAKE CACHUMA DAILY OPERATIONS

RUN DATE: October 18, 2011

DAY	ELEV	STORAGE		COMPUTED* INFLOW AF.	CCWA INFLOW AF.	PRECIP ON RES. SURF. AF.	RELEASE - AF.				EVAP AF.	PRECIP INCH	PRECIP INCHES	
		IN LAKE	CHANGE				TUNNEL	HILTON CREEK	OUTLET	SPILLWAY				
	748.06	180,986												
1	748.02	180,870	-116	-11.9	0.0	.0	42.1	24.4	.0	.0	37.6	.208	.00	
2	747.98	180,754	-116	20.4	0.0	.0	82.9	16.1	.0	.0	37.4	.207	.00	
3	747.94	180,639	-115	-11.3	0.0	.0	52.8	15.0	.0	.0	35.9	.199	.00	
4	747.89	180,495	-144	-18.0	0.0	9.6	97.6	14.9	.0	.0	23.1	.128	.04	
5	747.87	180,437	-58	-19.6	0.0	33.7	40.8	14.9	.0	.0	16.4	.091	.14	
6	747.85	180,380	-57	-50.5	0.0	67.4	43.9	15.0	.0	.0	15.0	.083	.28	
7	747.82	180,293	-87	22.1	0.0	.0	65.1	14.9	.0	.0	29.1	.161	.00	
8	747.78	180,178	-115	-27.8	0.0	.0	42.4	14.9	.0	.0	29.9	.166	.00	
9	747.75	180,092	-86	-0.7	0.0	.0	43.3	14.9	.0	.0	27.1	.150	.00	
10	747.72	180,005	-87	21.8	0.0	.0	61.1	14.9	.0	.0	32.8	.182	.00	
11	747.68	179,890	-115	-16.9	0.0	.0	59.9	14.9	.0	.0	23.3	.129	.00	
12	747.66	179,832	-58	42.5	0.0	.0	46.7	14.7	.0	.0	39.1	.217	.00	
13	747.62	179,717	-115	33.4	0.0	.0	99.2	14.6	.0	.0	34.6	.192	.00	
14	747.57	179,573	-144	35.9	0.0	.0	119.2	13.9	.0	.0	46.8	.260	.00	
15	747.51	179,400	-173	-24.7	0.0	.0	103.2	12.2	.0	.0	32.9	.183	.00	
16	747.47	179,285	-115	10.0	0.0	.0	84.1	13.9	.0	.0	27.0	.150	.00	
17	747.44	179,199	-86	20.3	0.0	.0	61.7	14.2	.0	.0	30.4	.169	.00	
18	747.39	179,055	-144	-17.7	0.0	2.4	92.1	14.1	.0	.0	22.5	.125	.01	
<b>TOTAL (AF)</b>			<b>-1,931</b>	<b>7.3</b>	<b>0.0</b>	<b>113.1</b>	<b>1,238.1</b>	<b>272.4</b>	<b>.0</b>	<b>.0</b>	<b>540.9</b>	<b>3.000</b>	<b>.47</b>	
<b>(AVG)</b>		<b>180,005</b>												

COMMENTS:

\* COMPUTED INFLOW IS THE SUM OF CHANGE IN STORAGE, RELEASES, AND EVAPORATION MINUS PRECIP ON THE RESERVOIR SURFACE AND CCWA INFLOW.

DATA BASED ON 24-HOUR PERIOD ENDING 0800.

INDICATED OUTLETS RELEASE INCLUDE ANY LEAKAGE AROUND GATES.

ITEM # 116  
 PAGE 1



**Santa Barbara County Parks Department  
Cachuma Lake Recreation Area**

**Summary of Aquatic Invasive Species Vessel Inspection Program  
and Early Detection Monitoring Program: September 2011**

Santa Barbara County Parks -- Cachuma Lake Boat Launch Data -- SEPTEMBER 2011		
Inspection Data		
Total Vessels entering Park	666	
Total Vessels launched	663	
Total Vessels Quarantined	3	0%
Returning with Boat Launch Tag	346	52%
Arriving new: Inspected, washed	143	22%
Kayak/Canoe: Inspected	148	22%
Paddle Board: Inspected	26	4%
4-stroke engines	204	31%
2-strokes, w/CARB star ratings	116	17%
2-strokes, NO emissions ratings	169	25%

No mussel species have been located on any vessel entering Cachuma Lake as of September 30, 2011.

"Boat Launch Tags" means boats with Cachuma Lake Boat Launch Tags connecting boat and trailer. These boats have not been removed from their trailer since last visit to lake and are not subject to inspection or decontamination.

Quarantine Data		
Total Vessels Quarantined	3	
Quarantined 7 days	0	
Quarantined 14 days	3	

Quarantine Reasons -- May be several for 1 boat		
Water in vessel	0	
Debris on hull	0	
Plug installed	0	
From infected county	2	
Ballast tanks	0	
Boat longer than 24 feet	1	
Out-of-state	0	
Unspecified	0	

Demographic Data		
Quarantined from infected county	1	
Quarantined from SB County	1	

**CACHUMA LAKE EARLY DETECTION MONITORING SURVEY:**

**Summary:** No Dreissenid mussels were detected in September 2011

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

Inspection Date and Time : 2011.09.16; 13:00 – 16:00 PDT

Method: 14 PVC/Cement/Plastic Mesh Sampling Stations; 394 linear feet of line

Surveyors: Chuck Scott (SB County Parks), Carrie Culver and Heather Lahr (Sea Grant)

Lake Elevation: 748.66 from maximum of 753 feet

# Zebra/Quagga Surface Survey Data

(Use Pencil Only)

Waterbody Cachuma Lake Reservoir

Date 09 / 16 / 11

Location 2225 Hwy 154, Santa Barbara County, SB County Parks

Crew C.Culver, H. Lahr, C. Scott

GPS 34.578333/119.956389

(Decimal Degrees, WSG 84)

Secchi Depth Various

Wave Chop

**# Linear Feet of:**

<p><b>Boat Ramp Bottom</b> <span style="border: 1px solid black; padding: 2px;">x</span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></span></p> <p>(100ft at marina, 200ft at ramp only)</p> <p><b>Dock (200 ft)</b> <span style="border: 1px solid black; padding: 2px;">x</span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></span></p> <p><b>Mooring Line (200 ft)</b> <span style="border: 1px solid black; padding: 2px;">x</span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></span></p> <p><b>Anchor/Dock Cable (100 ft)</b> <span style="border: 1px solid black; padding: 2px;">394</span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></span></p>	<p><b>Shoreline</b> <span style="border: 1px solid black; padding: 2px;">x</span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></span></p> <p>(100ft at marina, 200ft at ramp only)</p> <p><b>Concrete Structures (100 ft)</b> <span style="border: 1px solid black; padding: 2px;">x</span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></span></p> <p><b>Logs/Woody Debris (100 ft)</b> <span style="border: 1px solid black; padding: 2px;">x</span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></span></p> <p><b>Other</b> <u>See notes</u> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></span></p>
--	---

% of Dock/Marina/Boat Ramp Searched N A

Zebra/Quagga Mussels Present?	Y / N NO	Specimens Collected?	Y / N NO	Method (circle one):
<p><b>Exact GPS Location</b> (if isolated occurrences):</p> <p>1 <span style="border: 1px solid black; display: inline-block; width: 200px; height: 20px;"></span></p> <p><b>Ruler Length</b> (if &lt; 12 inches) _____</p> <p><b>Substrate Type</b> <span style="border: 1px solid black; display: inline-block; width: 150px; height: 20px;"></span></p>		<p><b>Mussel Density</b> (# of mussels):</p> <p><span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span></p>		<p>Ruler / Petri</p>
<p>2 <span style="border: 1px solid black; display: inline-block; width: 200px; height: 20px;"></span></p> <p><b>Ruler Length</b> (if &lt; 12 inches) _____</p> <p><b>Substrate Type</b> <span style="border: 1px solid black; display: inline-block; width: 150px; height: 20px;"></span></p>		<p><span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span></p>		<p>Ruler / Petri</p>
<p>3 <span style="border: 1px solid black; display: inline-block; width: 200px; height: 20px;"></span></p> <p><b>Ruler Length</b> (if &lt; 12 inches) _____</p> <p><b>Substrate Type</b> <span style="border: 1px solid black; display: inline-block; width: 150px; height: 20px;"></span></p>		<p><span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span></p>		<p>Ruler / Petri</p>

Corbicula Clams Present? Y / N NO	Snails Present? Y / N YES
Other Mussel/Clam Species Present? Y / N NO	Specimens Collected? Y / N No

ITEM # 11c  
PAGE 2

**Quagga Mussel**  
*Dreissena rostriformis bugensis*



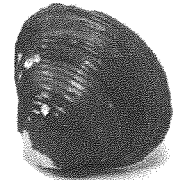
- Shell: D-shaped and triangular; thin, fragile; smooth or shallowly ridged; solid light to dark brown or dark concentric rings; paler near hinge
- Attaches to hard and soft surfaces

**Zebra Mussel**  
*Dreissena polymorpha*

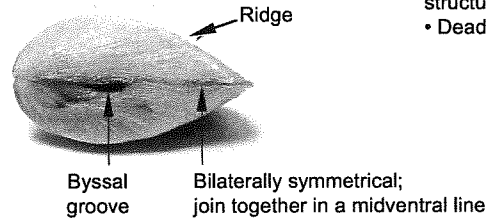
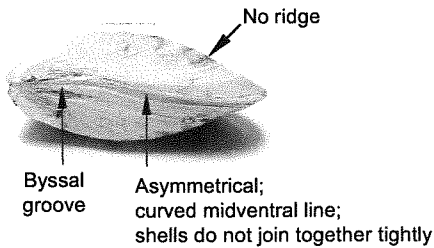


- Shell: D-shaped and triangular; thin, fragile; smooth or shallowly ridged; solid light to dark brown or striped
- Attaches to hard surfaces

**Asian Clam**  
*Corbicula fluminea*



- Shell: fan-shaped and symmetrical; thick, hard; deep ridges; solid light to dark brown; may have a white patch near hinge
- Burrows into sand or mud; never attaches to structures
- Dead shells often found along shoreline



**Map of sampling location:**

Place empty circles (○) in areas that were surveyed but no mussels were found. Place circles with plus sign (⊕) where mussels were found, and number 1, 2, or 3 to correspond to GPS coordinates.

Please see attached docs: Quagga Survey Stations 2011.09.16 & Quagga Survey Map 2011

**Did weather conditions negatively affect sampling conditions?** Y/N

**Comments** Inspected in Cachuma Lake marina: 14 sampling stations @ 12 or .5 meters, and 120 meters of rope.  
See attached files of sampling station details and locations as noted above.

ITEM # 1/c  
PAGE 3







SANTA BARBARA COUNTY PARKS DEPARTMENT  
 610 Mission Canyon Road  
 Santa Barbara, CA 93105-2911  
 (805) 568-2461 • FAX (805) 568-2459  
 www.sbparks.org

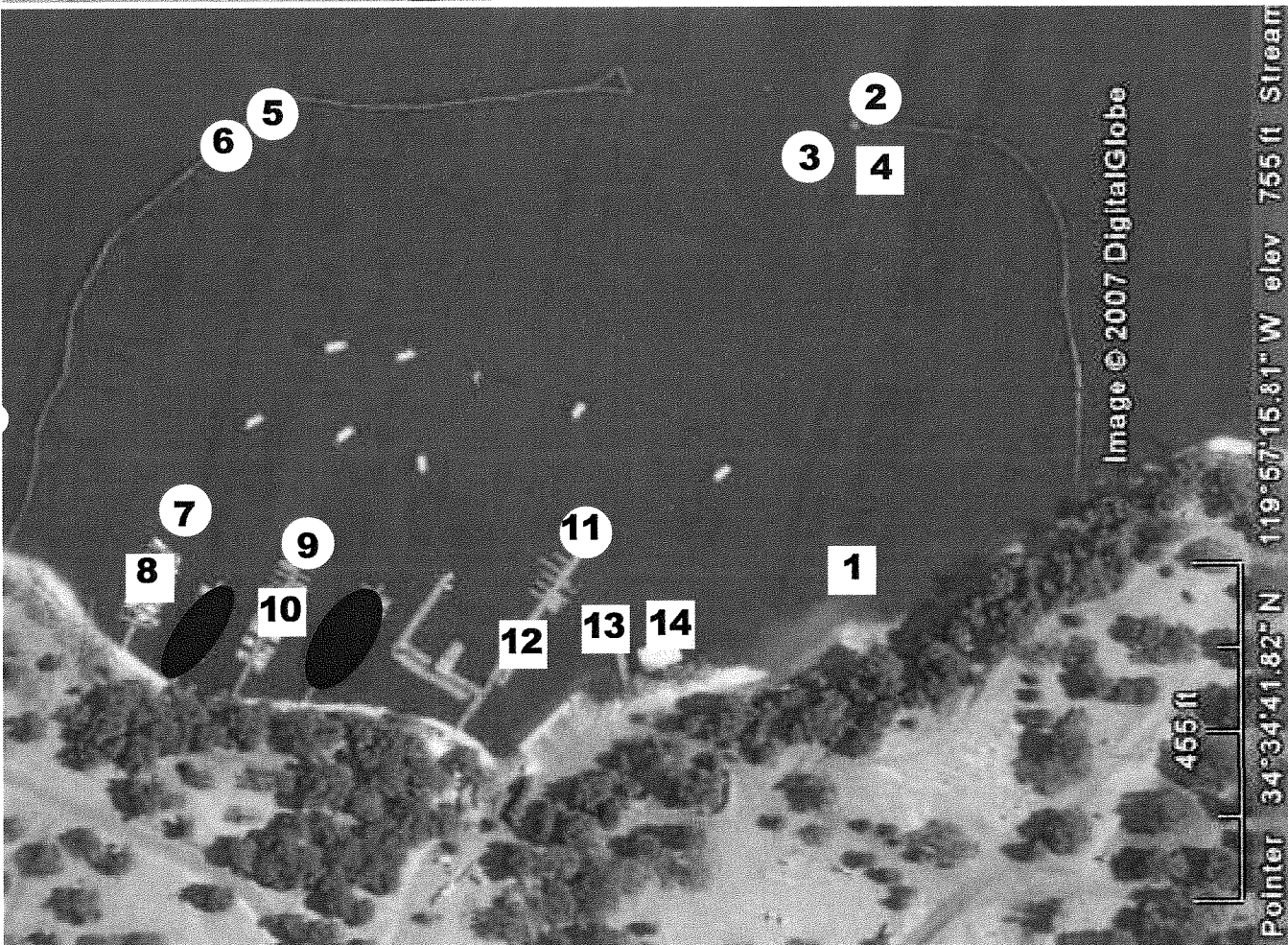
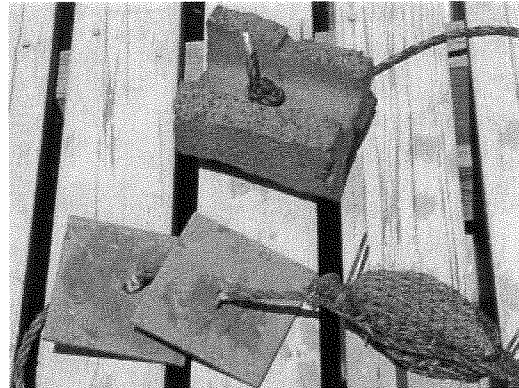
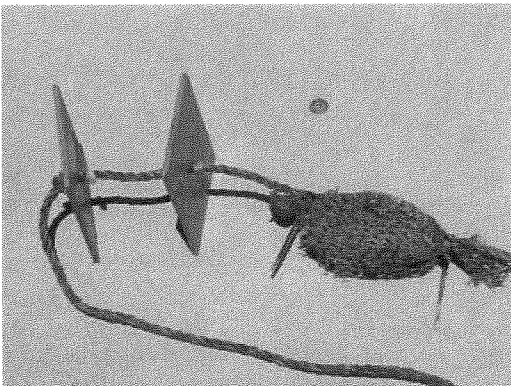


### Cachuma Lake Marina Monthly Quagga Survey Map: Sampling stations and lines, docks, boat ramp, boathouse, logs

Fourteen survey station locations, as of May 2010

 = 4 meter long HORIZONTAL survey line with PVC plates and Tuffies @ .5 m depth

 = 12 meter VERTICAL survey line with PVC plates & Tuffies @ 6 m, and cement block @ 12 m depth



ITEM # 11c

PAGE 4

# Cachuma Lake Marina Monthly Quagga Survey: Sampling Station Details

Inspection Date: 2011.09.16  
 Inspection Time: 13:00 - 16:00  
 Lake Elevation from max 753 feet 748.66  
 Surveyors: Chuck Scott, SB County Parks, Carrie Culver, Heather Lahir, Sea Grant.

Station #	Location/Description	Stn Type	Lake Depth Meters	Anchor/LT line Depth Meters	Tuff/Plate set Depth Meters	Secchi Depth & Temp Deg F @ 3 Meters	NOTES:	Mussels?	Stn #
Station 1	Boathouse, left middle ramp	Horizontal: 4 m line, 1 tuffy, 1 plate set	8'	.5 m	.5 m	1.1 m on bottom 76 F	Green jelly egg cases = GEC  Line, knots, Tuffies, plate sets checked. Samples: 0 Organisms: LINE: Bryozoan, midges PLATES: Bryozoan, midges, planorbella snail	No	Stn 1
Station 2	Logboom platform at entrance, south east corner.	Vertical: Anchor, Tuffy, plates	30'	12 m	6 m	1.9 m 75	Line, knots, Tuffies, plate sets, block checked. Samples: 0 Downloaded temp/light data from 3 loggers at 10', 20', 30' Organisms: LINE: Algae, bryozoan, midges PLATES: Bryozoan, green jelly egg cases (GEC), midges BLOCK: Bryozoan, midges	No	Stn 2
Station 3	Logboom platform at entrance, north west corner	Vertical: Anchor, Tuffy, plate set	125'	12 m	6 m	1.9 m 75	Line, knots, Tuffies, plate sets, block checked. Samples: 0 Organisms: LINE: Bryozoan, "rice grain" egg cases PLATES: Algae, bryozoan, GEC, midges BLOCK: Algae	No	Stn 3
Station 4	Logboom platform at entrance, under platform.	Horizontal: 4 m line, 1 tuffy, 1 plate set	125'	.5 m	.5 m	1.9 m 75	Line, knots, Tuffies, plate sets checked. Samples: 0 Organisms: LINE: Bryozoan, midges PLATES: Bryozoan, midges	No	Stn 4
Station 5	N logboom, 13th log from S end, attached to chain at middle	Vertical: Anchor, 1 Tuffy, 1 plate set	125'	12 m	6 m	1.8 m 75 F	Line, knots, Tuffies, plate sets, block checked. Samples: 0 Organisms: LINE: Bryozoan PLATES: Algae, amphipod, bryozoan BLOCK: Bryozoan	No	Stn 5
Station 6	N logboom, 14th log from S end, attached to chain on NE side, west end.	Vertical: Anchor, 1 Tuffy, 1 plate set	127'	12 m	6 m	2 m 74 F	Line, knots, Tuffies, plate sets, block checked. Samples: 0 Organisms: LINE: Algae, bryozoan PLATES: Bryozoan BLOCK: Bryozoan	No	Stn 6

Station #	Location/Description	Stn Type	Lake Depth Meters	Anchor/Line Depth Meters	Tuff/Plate set Depth Meters	Secchi Depth & Temp Deg F @ 3 Meters	NOTES:	Mussels?	Stn #
Station 7	Far N dock at E end; S side; 14th slip from shore	Vertical: Anchor, 1 Tuffy, 1 plate set	47'	12 m	6 m	1.9 m 75 F	Line, knots, Tuffies, plate sets, block checked. Samples: 0 Downloaded temp/light data from 3 loggers at 10', 20', 30' Organisms: LINE: Bryozoan, midge PLATES: Amphipods, bryozoan, midge BLOCK: Bryozoan, midges, sponge	No	Stn 7
Station 8	Far N dock at middle @ slip 10/12	Horizontal: 4 m line, 1 tuffy, 1 plate set	43'	.5 m	.5 m	1.9 m 75 F	Line, knots, Tuffies, plate sets checked. Samples: 0 Organisms: LINE: Bryozoan PLATES: Bryozoan	No	Stn 8
Station 9	Middle dock at E end	Vertical: Anchor, 1 Tuffy, 1 plate set		12 m	6 m	1.9 m 75 F	Line, knots, Tuffies, plate sets, block checked. Samples: 0 Organisms: LINE: Algae, bryozoan, midge PLATES: Bryozoan, GEC BLOCK: Bryozoan	No	Stn 9
Station 10	Middle dock at W end; slip 11 & 40	Horizontal: 4 m line, 1 tuffy, 1 plate set	43'	.5 m	.5 m	1.9 m 75 F	Line, knots, Tuffies, plate sets checked. Samples: 0 Organisms: LINE: Bryozoan PLATES: Bryozoan	No	Stn 10
Station 11	Fuel Dock @ far E end	Vertical: Anchor, 1 Tuffy, 1 plate set	45'	12 m	6 m	1.9 m 75 F	Line, knots, Tuffies, plate sets, block checked. Samples: 0 Organisms: LINE: Bryozoan, GEC, midges PLATES: Amphipods, bryozoan, midge BLOCK: Bryozoan	No	Stn 11
Station 12	Fuel Dock W end strung diagonally under gas pump platform	Horizontal: 4 m line, 3 tuffy, 3 plate set	34'	.5 m	.5 m	1.9 m 75 F	Line, knots, Tuffies, plate sets checked. Samples: 0 Organisms: LINE: Bryozoan, midge PLATES: Amphipod, Bryozoan, "coffee ground" spots, midges	No	Stn 12
Station 13	North Launch Dock E end	Horizontal: 4 m line, 1 tuffy, 1 plate set	10'	.5 m	.5 m	1.5 m 75 F	Line, knots, Tuffies, plate sets checked. Samples: 0 Organisms: LINE: Bryozoan, midges PLATES: Bryozoan, midges	No	Stn 13
Station 14	South Launch Dock E end	Horizontal: 4 m line, 1 tuffy, 1 plate set	10'	2 m	.5 m	1.5 m 75 F	Line, knots, Tuffies, plate sets checked. Samples: 0 Organisms: LINE: Bryozoan, midges PLATES: Bryozoan, midges	No	Stn 14