

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

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

Monday, March 25, 2013

2:00 P.M.

AGENDA

- 1. CALL TO ORDER, ROLL CALL**
- 2. PUBLIC COMMENT** (Public may address the Board on any subject matter not on the agenda and within the Board's jurisdiction. See "Notice to the Public" below. Please make your comments from the podium once acknowledged by the President of the Board.)
- 3. CONSENT AGENDA** (All items on the Consent Agenda are considered to be routine and will be approved or rejected in a single motion. Any item placed on the Consent Agenda may be removed and placed on the Regular Agenda for discussion and possible action upon the request of any Board Member.)
Action: Recommend Approval of Consent Agenda
 - a. Minutes February 25, 2013 Regular Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Payment of Claims
- 4. CONSIDER APPROVAL OF CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE LETTER REGARDING SHARING DATA**
Action: Recommend Approval by Motion and Vote of the Board
- 5. CONSIDER APPROVAL OF RESOLUTION NO. 561 TO ENTER INTO FISH AMERICA GRANT AGREEMENT FOR CATTLE EXCLUSIONARY FENCING ON LOWER SALSIPUEDES CREEK**
Action: Recommend Approval by Motion and Roll Call Vote of the Board
- 6. VERBAL REPORTS FROM BOARD COMMITTEES**
Receive verbal information regarding, but not limited to, report topics
 - a. Ad Hoc Transition/General Manager Recruitment Committee Meeting, March 14, 2013
 - b. Ad Hoc Cachuma Lake Oak Tree Committee Meeting, March 20, 2013

7. **INTERIM GENERAL MANAGERS REPORT**
Receive written information regarding, but not limited to, report topics
 - Cachuma Project Warren Act Trust Fund/Cachuma Project Master Contract Renewal Fund/Betterment Fund Discussion
 - FY 2013/14 Draft Budget Development
 - Unexpended Assessments FYE 2012
 - 4th Quarter Draft Work Plan – Operations Division

8. **PROGRESS REPORT ON CACHUMA LAKE OAK TREE PROGRAM**
Receive written information regarding, but not limited to, report topics
 - Maintenance and Monitoring
 - Financial Impact

9. **ENGINEERING/OPERATIONS DIVISION REPORT**
Receive written information regarding, but not limited to, report topics
 - Cachuma Project Rehabilitation
 - Lake Cachuma Operations
 - US Bureau of Reclamation (USBR)
 - Operation and Maintenance Activities

10. **FISHERIES DIVISION REPORT**
Receive written information regarding, but not limited to, report topics
 - LSYR Steelhead Monitoring Elements
 - Tributary Project Updates
 - Surcharge Water Accounting
 - Reporting/Outreach/Training

11. **MONTHLY CACHUMA PROJECT REPORTS**
Receive written information regarding, but not limited to, report topics
 - Cachuma Water Reports
 - Cachuma Reservoir Current Conditions
 - Lake Cachuma Quagga Survey

12. **DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR NEXT MEETING**

13. **[CLOSED SESSION]:**
 - a. **CONFERENCE WITH LEGAL COUNSEL --- ANTICIPATED LITIGATION**
Significant exposure to Litigation Pursuant to Government Code Section 54956.9(b): one case

14. **RECONVENE INTO OPEN SESSION**
[Government Code Section 54957.7]
Disclosure of actions taken in closed session, as applicable
[Government Code Section 54957.1]

15. MEETING SCHEDULE

- April 22, 2013 at 2:00 P.M., COMB Office
- Board Packages Available on COMB Website
www.cachuma-board.org

16. COMB ADJOURNMENT

NOTICE TO PUBLIC

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

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

Public Comment: Any member of the public may address the Board on any subject within the jurisdiction of the Board that is not scheduled for as an agenda item before the Board. The total time for this item will be limited by the President of the Board. The Board is not responsible for the content or accuracy of statements made by members of the public. No action will be taken by the Board on any Public Comment item.

Americans with Disabilities Act: in compliance with the Americans with Disabilities Act, if you need special assistance to review agenda materials or participate in this meeting, please contact the Cachuma Operation and Maintenance Board office at (805) 687-4011 at least 48 hours prior to the meeting to enable the Board to make reasonable arrangements.

Note: If you challenge in court any of the Board's decisions related to the listed agenda items you may be limited to raising only those issues you or someone else raised at any public hearing described in this notice or in written correspondence to the Governing Board prior to the public hearing.

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

**held at
3301 Laurel Canyon Road, Santa Barbara, CA
Monday, February 25, 2013**

1. Call to Order, Roll Call

The meeting was called to order at 2:03 p.m. by President Lauren Hanson who chaired the meeting. Those in attendance were:

Directors present:

Lauren Hanson	Goleta Water District
Alonzo Orozco	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:

Janet Gingras	Tony Trembley
Charles Hamilton	Tim Robinson
Nick Zaninovich	David Baum
Douglas DeFlicht	Ruth Snodgrass
Chris Dahlstrom	Sonia Fernandez
Phil Walker	Rebecca Bjork

2. Public Comment

Phil Walker made comments on NOAA's drought prediction, sedimentation at Lake Cachuma, and the Tecolote Tunnel inspection.

3. Consent Agenda

- a. **Minutes:**
January 28, 2013 Regular Board Meeting
- b. **Investment Funds**
Financial Report
Investment Report
- c. **Payment of Claims**

Director Francisco moved to approve the consent agenda, seconded by Director Morgan, passed 7/0/0. The Board requested that the year-to-date vendor expense report be included in the board packet quarterly.

**4. Board Acceptance of the Modified Upper Reach Reliability Project:
Authorization of Filing the Notice of Completion and Partial Release of
Retention Funds**

Janet Gingras reported that the Contractor has completed the Modified Upper Reach Reliability Project. Included in the board packet for Board approval were the Notice of Acceptance, Notice of Completion and a Letter Agreement pertaining to early release of partial retention funds to Blois Construction, Inc.

Director Morgan was concerned that all subcontractors have been paid and that the easements for the project have been completed, staff was directed to check on those two requests.

Director Morgan moved to approve the Notice of Acceptance; authorize filing the Notice of Completion; approve execution of a Letter Agreement with Blois Construction, Inc.; and staff would check on all easements and payments to subcontractors, seconded by Director Francisco, passed 6/0/1, Director Beebe abstained.

**5. Consider Approval of California Department of Fish and Wildlife Letter
Regarding Sharing Data**

Tim Robinson reported that the California Department of Fish and Wildlife (CDFW) had recently made changes to the letter and it is not ready for Board approval at this time. COMB's legal counsel will confer with CDFW's legal counsel and finalize the letter. The letter would come back to the Board for approval at the March meeting.

**6. Consider Budget Adjustment for Design Work on Quiota Creek Fish Passage
Projects**

Tim Robinson reported that a design modification is needed for the Quiota Creek Crossing 1 project in order to save two large oak trees. The estimated additional funds would be \$6000. This revision was not anticipated in the approved FY2013 budget.

Quiota Creek Crossing 0 Project is required to be at 65% design level for grant applications that are due in March. These design efforts have been estimated to be \$24,000. This design effort was not included in the FY2013 budget.

Staff recommended moving sufficient money for the two projects from Account #6201 (BO/FMP Implementation and Technical Support) to Account #6303 (Habitat Enhancements, Quiota Creek Fish Passage Design Support). This was discussed at the Fisheries Board Committee meeting and the Committee agreed with this transfer of funds.

Director Beebe moved to approve a budget adjustment to transfer \$30,000 from Account #6201 to Account #6303 to provide for the design needs of the Quiota Creek Crossing 1 and 0 projects, seconded by Director Francisco, passed 7/0/0.

7. Appointment of Representative to Cachuma Project Trust Fund and Renewal Fund Committee and the Betterment Fund Discussion

Janet Gingras reported that in the past, the COMB General Manager has been appointed to serve as the Member Units representative to the Warren Act Trust Fund/Cachuma Project Renewal Fund Committees. The position is vacant and it is now necessary for the Board to appoint a new representative to fill that position.

Director Beebe requested that the Board consider the committee appointments separately. One committee is the Warren Act Trust Fund, comprised of one representative each from the Santa Barbara County Water Agency and COMB. The other is the Cachuma Project Renewal Fund which is comprised of one representative from the County Water Agency and one from the Cachuma Member Units.

Director Beebe moved to appoint the Interim General Manager Janet Gingras to be the representative on the Warren Act Trust Fund committee, seconded by Director Morgan, passed 7/0/0.

It was unclear how the Renewal Fund representatives should be appointed, after discussion a motion was made. Director Francisco moved to appoint Interim General Manager Janet Gingras as interim representative of the Renewal Fund committee, seconded by Director Orozco, passed 6/1/0, Director Beebe voted no.

Legal Counsel and staff will review all documents regarding the Trust Fund/Renewal Fund/Betterment Fund and report to the Board at the March meeting.

8. CalPERS Actuarial Information

Janet Gingras highlighted the information included in the board packet. At the January Board meeting the Board inquired about Note No. 10 of the FY 2011-12 Audit and Financial Statements. The inquiry was based on the display of the Actuarial Value of Assets funded ratio included in the Note and why the ratio seemed to be high given the fact that CalPERS recent history of investment returns has not been as favorable as previous historical returns. The auditors showed the Actuarial Value of Assets ratio not the Market Value of Assets ratio in the Notes to the Financial Statements, this information was taken directly from the CalPERS Annual Valuation Report for COMB.

9. Reports from Board Committees

a. Fisheries Committee Meeting, February 19, 2013

Director Beebe reported on the February 19, 2013 meeting, the agenda was included in the board packet.

b. Ad Hoc Oak Tree Committee, February 5, 2013 Site Visit

Director Morgan reported on the site visit at Lake Cachuma oak tree planting areas with arborist Ken Knight and Tim Robinson. They walked the planting areas and observed various sizes and conditions of the planted trees.

c. Ad Hoc Transition/General Manager Recruitment Committee

President Hanson reported that the Ad Hoc Transition/General Manager Recruitment Committee had not met during the past month. After the applications have been reviewed the Committee will report at the March meeting.

10. Interim General Manager Report

The Interim General Manager report from Janet Gingras was included in the board packet.

11. Progress Report on Cachuma Lake Oak Tree Program

Tim Robinson highlighted the report that was included in the board packet.

12. Engineering/Operations Division Reports

David Baum highlighted the monthly reports that were included in the board packet.

13. Fisheries Division Report

Tim Robinson highlighted the monthly report on the fisheries activities; the report was included in the board packet.

14. Monthly Cachuma Project Reports

a. Cachuma Water Reports

The monthly water reports were included in the board packet. Director Morgan requested Cachuma Reservoir level predictions to be included in future monthly board reports.

b. Cachuma Reservoir Current Conditions

The Lake Cachuma Daily Operations report through February 20, 2013 was included in the board packet.

c. Lake Cachuma Quagga Survey

The County's summary of Aquatic Invasive Species Inspection Program for January 2013 was included in the board packet.

15. Directors' Requests for Agenda Items for Next Meeting

There were no requests for agenda items for the next meeting.

16. [Closed Session]:

a. Public Employee Appointment/Employment

[Government Code Section 54957]

Title: General Manager

b. Conference with Legal Counsel – Anticipated Litigation

Significant Exposure to Litigation (Government Code 54956.9): One Case

Counsel Tony Trembley announced that the Board would convene into closed session regarding Item #16.a. and 16.b. Item 16.b. is regarding the termination of former General Manager Bruce Mowry.

The Board went into closed session at 3:45 p.m.

**17. Reconvene into Open Session [Government Code Section 54957.7]
Disclosure of actions taken in closed session, as applicable
[Government Code Section 54957.1]**

The Board reconvened into open session at 4:25 p.m. The following is a report of action taken in closed session in accordance with Government Code Section 54957.1.

There was no action to report concerning Item 16.a.

“Concerning Item 16.b., on a vote of 7-0-0, the Governing Board approved a settlement agreement with former General Manager Bruce Mowry. As soon as the settlement becomes final, and upon inquiry by any person, COMB shall disclose the fact of final approval and identify the substance of the agreement.”

18. Meeting Schedule

The next regular Board meeting will be held March 25, 2013 at 2:00 P.M.
The Agendas and Board Packets are available on the COMB website,
www.cachuma-board.org

19. COMB Adjournment

There being no further business, the meeting was adjourned at 4:26 p.m.

Respectfully submitted,

Janet Gingras, Secretary of the Board

APPROVED:

Lauren Hanson, President of the Board

3/20/2013

Accrual Basis

COMB
Statement of Net Assets
As of February 28, 2013

ASSETS

Current Assets

Checking/Savings

TRUST FUNDS

1210 · WARREN ACT TRUST FUND 27,566.68

1220 · RENEWAL FUND 35,096.64

Total TRUST FUNDS 62,663.32

1050 · GENERAL FUND 571,153.70

1100 · REVOLVING FUND 267,502.04

Total Checking/Savings 901,319.06

Other Current Assets

1010 · PETTY CASH 500.00

1200 · LAIF 3,878.66

1303 · Bradbury SOD Act Assmnts Rec 70,212.00

1304 · Lauro Dam SOD Assesmnt Rec 12,640.00

1305 · ACCRUED INTEREST RECEIVABLE 68.44

1308 · Prop 50 Grant Receivable 309,639.79

1400 · PREPAID INSURANCE 15,192.72

Total Other Current Assets 412,131.61

Total Current Assets 1,313,450.67

Fixed Assets

1500 · VEHICLES 444,890.47

1505 · OFFICE FURN & EQUIPMENT 384,565.63

1510 · MOBILE OFFICES 97,803.34

1515 · FIELD EQUIPMENT 493,184.33

1525 · PAVING 22,350.00

1550 · ACCUMULATED DEPRECIATION -1,199,075.89

Total Fixed Assets 243,717.88

Other Assets

1910 · LT Bradbury SOD Act Assess Rec 5,487,041.07

1920 · LT Lauro SOD Act Assess Rec 981,823.00

Total Other Assets 6,468,864.07

TOTAL ASSETS 8,026,032.62

3/20/2013

Accrual Basis

COMB
Statement of Net Assets
As of February 28, 2013

LIABILITIES & NET ASSETS

Liabilities

Current Liabilities

Accounts Payable

2200 · ACCOUNTS PAYABLE

237,410.93

Total Accounts Payable

237,410.93

Other Current Liabilities

Payroll-DepPrm Admin

30.00

Payroll-DepPrm FD

2.31

Payroll-DepPrm Ops

33.48

2550 · VACATION/SICK

92,114.03

2561 · BRADBURY DAM SOD ACT

70,212.62

2562 · SWRCB - WATER RIGHTS FEE

-0.10

2563 · LAURO DAM SOD ACT

12,640.00

2565 · ACCRUED INTEREST SOD ACT

87,008.00

2590 · DEFERRED REVENUE

62,663.32

Total Other Current Liabilities

324,703.66

Total Current Liabilities

562,114.59

Long Term Liabilities

2602 · LT SOD Act Liability-Bradbury

5,487,041.07

2603 · LT SOD Act Liability - Lauro

981,823.00

2604 · OPEB LT Liability

252,648.00

Total Long Term Liabilities

6,721,512.07

Total Liabilities

7,283,626.66

NET ASSETS

3901 · Retained Net Assets

-174,941.02

Net Income

917,346.98

Total Net Assets

742,405.96

TOTAL LIABILITIES & NET ASSETS

8,026,032.62

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures
 Budget vs. Actuals - July 2012-Jun 2013

3:23 PM
 03/18/13
 Accrual Basis

	Fisheries			Operations			TOTAL		
	Jul '12 - Feb '13	Budget	% of Budget	Jul '12 - Feb '13	Budget	% of Budget	Jul '12 - Feb '13	Budget	% of Budget
Income									
3000 REVENUE									
3001 - O&M Budget (City Assessments)	605,859.19	813,727.00	74.46%	2,660,583.50	3,147,450.00	84.53%	3,266,442.69	3,961,177.00	82.46%
3006 - Warren Act	43,559.00	43,559.00	100.0%	0.00	0.00		43,559.00	43,559.00	100.0%
3007 - Renewal Fund	102,766.72	219,770.00	46.77%	0.00	0.00		102,766.72	219,770.00	46.77%
3010 - Interest Income	0.00	0.00		317.46	317.46		317.46	317.46	100.0%
3020 - Misc Income	0.00	0.00		1,832.70	1,832.70		1,832.70	1,832.70	100.0%
3023 - Prop 50 Grant Income	0.00	0.00		303,568.00	2,000,000.00	15.18%	303,568.00	2,000,000.00	15.18%
3024 - QC Crossing #7 Grant Income	678,237.44	840,419.00	80.7%	0.00	0.00		678,237.44	840,419.00	80.7%
3035 - Cachuma Project Bailment Fund	75,612.27	90,000.00	84.01%	0.00	0.00		75,612.27	90,000.00	84.01%
3070 - OES 2005 Storm 1577 Reimb	0.00	0.00		4.22	4.22		4.22	4.22	100.0%
Total 3000 REVENUE	1,506,054.62	2,007,475.00	75.02%	2,965,305.88	5,147,450.00	57.63%	4,472,360.50	7,154,925.00	62.51%
Total Income	1,506,054.62	2,007,475.00	75.02%	2,965,305.88	5,147,450.00	57.63%	4,472,360.50	7,154,925.00	62.51%
Gross Profit	1,506,054.62	2,007,475.00	75.02%	2,965,305.88	5,147,450.00	57.63%	4,472,360.50	7,154,925.00	62.51%
Expense									
PAYROLL									
Gross	0.00	0.00		-0.03	0.00		-0.03	0.00	100.0%
Gross-FD	0.03	0.03		0.00	0.00		0.03	0.00	100.0%
Total PAYROLL	0.03	0.03		-0.03	0.00		0.00	0.00	0.0%
3100 - LABOR - OPERATIONS									
3101-B - Bereavement Leave	0.00	0.00		257.68	257.68		257.68	0.00	100.0%
3101-E - Engineer	0.00	0.00		68,548.93	68,548.93		68,548.93	0.00	100.0%
3101-H - Holiday Leave	0.00	0.00		11,419.77	11,419.77		11,419.77	0.00	100.0%
3101-S - Sick Leave	0.00	0.00		9,627.50	9,627.50		9,627.50	0.00	100.0%
3101-V - Vacation Leave	0.00	0.00		10,699.68	10,699.68		10,699.68	0.00	100.0%
3102 - Moter Reading	0.00	0.00		1,609.66	1,609.66		1,609.66	0.00	100.0%
3103 - SCC Ops	0.00	0.00		87,767.52	87,767.52		87,767.52	0.00	100.0%
3104 - Veh & Equip Mice	0.00	0.00		1,575.65	1,575.65		1,575.65	0.00	100.0%
3105 - SCADA	0.00	0.00		23,015.00	23,015.00		23,015.00	0.00	100.0%
3106 - Rodent Bait	0.00	0.00		4,696.61	4,696.61		4,696.61	0.00	100.0%
3107 - NORTH PORTAL									
3107-1 - NP INTAKE TOWER	0.00	0.00		1,905.37	1,905.37		1,905.37	0.00	100.0%
3107-1a - Maintenance	0.00	0.00		1,380.16	1,380.16		1,380.16	0.00	100.0%
3107-1b - Cleaning	0.00	0.00		465.42	465.42		465.42	0.00	100.0%
3107-1f - Operations	0.00	0.00		480.98	480.98		480.98	0.00	100.0%
3107-1h - Inspection	0.00	0.00		149.65	149.65		149.65	0.00	100.0%
3107-1j - Rehabilitation	0.00	0.00		4,381.56	4,381.56		4,381.56	0.00	100.0%
Total 3107-1 - NP INTAKE TOWER	0.00	0.00		4,381.56	0.00		4,381.56	0.00	100.0%
3107-2 - NP CONTROL STATION									
3107-2a - Maintenance	0.00	0.00		2,722.55	2,722.55		2,722.55	0.00	100.0%
3107-2b - Cleaning	0.00	0.00		78.39	78.39		78.39	0.00	100.0%
3107-2f - Operations	0.00	0.00		428.20	428.20		428.20	0.00	100.0%
3107-2h - Inspection	0.00	0.00		179.58	179.58		179.58	0.00	100.0%
Total 3107-2 - NP CONTROL STATION	0.00	0.00		3,408.72	0.00		3,408.72	0.00	100.0%
3107-3 - NP TECOLOTE TUNNEL									
3107-3a - Maintenance	0.00	0.00		64.42	64.42		64.42	0.00	100.0%
3107-3h - Inspection	0.00	0.00		5,810.02	5,810.02		5,810.02	0.00	100.0%
3107-3i - Engineering	0.00	0.00		672.38	672.38		672.38	0.00	100.0%
3107-3j - Rehabilitation	0.00	0.00		193.26	193.26		193.26	0.00	100.0%
Total 3107-3 - NP TECOLOTE TUNNEL	0.00	0.00		6,740.08	0.00		6,740.08	0.00	100.0%
Total 3107 - NORTH PORTAL	0.00	0.00		14,530.38	0.00		14,530.38	0.00	100.0%

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures
 Budget vs. Actuals - July 2012-Jun 2013

3:23 PM
 03/18/13
 Accrual Basis

	Fisheries			Operations			TOTAL		
	Jul '12 - Feb '13	Budget	% of Budget	Jul '12 - Feb '13	Budget	% of Budget	Jul '12 - Feb '13	Budget	% of Budget
3108 - GLEN ANNE									
3108-1 - GA SOUTH PORTAL									
3108-1b - Cleaning	0.00			92.04	0.00		92.04	0.00	100.0%
3108-1f - Operations	0.00			129.87	0.00		129.87	0.00	100.0%
3108-1g - Road	0.00			2,641.22	0.00		2,641.22	0.00	100.0%
3108-1h - Inspection	0.00			32.21	0.00		32.21	0.00	100.0%
Total 3108-1 - GA SOUTH PORTAL	0.00			2,895.34	0.00		2,895.34	0.00	100.0%
3108-2 - GA RESERVOIR									
3108-2a - Maintenance	0.00			485.38	0.00		485.38	0.00	100.0%
3108-2d - Weed Management	0.00			590.70	0.00		590.70	0.00	100.0%
3108-2e - Landscaping	0.00			68.04	0.00		68.04	0.00	100.0%
3108-2f - Operations	0.00			232.29	0.00		232.29	0.00	100.0%
3108-2h - Inspection	0.00			207.74	0.00		207.74	0.00	100.0%
Total 3108-2 - GA RESERVOIR	0.00			1,584.15	0.00		1,584.15	0.00	100.0%
3108-3 - GA PUMP STATION									
3108-3f - Operations	0.00			68.04	0.00		68.04	0.00	100.0%
Total 3108-3 - GA PUMP STATION	0.00			68.04	0.00		68.04	0.00	100.0%
3108-4 - GA TURNOUT									
3108-4a - Maintenance	0.00			2,242.18	0.00		2,242.18	0.00	100.0%
3108-4e - Landscaping	0.00			209.51	0.00		209.51	0.00	100.0%
3108-4f - Operations	0.00			142.98	0.00		142.98	0.00	100.0%
Total 3108-4 - GA TURNOUT	0.00			2,594.67	0.00		2,594.67	0.00	100.0%
Total 3108 - GLEN ANNE	0.00			7,142.20	0.00		7,142.20	0.00	100.0%
3110 - LAURO									
3110-1 - YARD									
3110-1a - Maintenance	0.00			11,832.56	0.00		11,832.56	0.00	100.0%
3110-1b - Cleaning	0.00			6,183.25	0.00		6,183.25	0.00	100.0%
3110-1d - Weed Management	0.00			142.50	0.00		142.50	0.00	100.0%
3110-1e - Landscaping	0.00			398.32	0.00		398.32	0.00	100.0%
3110-1f - Operations	0.00			289.89	0.00		289.89	0.00	100.0%
3110-1g - Road	0.00			483.15	0.00		483.15	0.00	100.0%
Total 3110-1 - YARD	0.00			19,329.67	0.00		19,329.67	0.00	100.0%
3110-2 - CONTROL STATION									
3110-2d - Weed Management	0.00			181.44	0.00		181.44	0.00	100.0%
3110-2e - Landscaping	0.00			90.72	0.00		90.72	0.00	100.0%
3110-2f - Operations	0.00			384.44	0.00		384.44	0.00	100.0%
3110-2h - Inspection	0.00			51.74	0.00		51.74	0.00	100.0%
Total 3110-2 - CONTROL STATION	0.00			708.34	0.00		708.34	0.00	100.0%
3110-3 - RESERVOIR									
3110-3a - Maintenance	0.00			179.58	0.00		179.58	0.00	100.0%
3110-3c - Fencing	0.00			346.76	0.00		346.76	0.00	100.0%
3110-3d - Weed Management	0.00			1,011.65	0.00		1,011.65	0.00	100.0%
3110-3e - Landscaping	0.00			885.03	0.00		885.03	0.00	100.0%
3110-3f - Operations	0.00			109.77	0.00		109.77	0.00	100.0%
3110-3h - Inspection	0.00			595.08	0.00		595.08	0.00	100.0%
3110-3j - Rehabilitation	0.00			397.67	0.00		397.67	0.00	100.0%
Total 3110-3 - RESERVOIR	0.00			3,525.54	0.00		3,525.54	0.00	100.0%
3110-4 - DEBRIS BASINS									
3110-4a - Maintenance	0.00			1,228.75	0.00		1,228.75	0.00	100.0%

Cachuma Operation & Maintenance Board
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	Fisheries			Operations			TOTAL		
	Jul '12 - Feb 13	\$ Over Budget	% of Budget	Jul '12 - Feb 13	\$ Over Budget	% of Budget	Jul '12 - Feb 13	\$ Over Budget	% of Budget
Total 3110-4 - DEBRIS BASINS	0.00			1,228.75			1,228.75		
Total 3110 - LAURO	0.00			24,792.30			24,792.30		
3112 - SHEFFIELD									
3112-1 - CONTROL STATION	0.00			116.61			116.61		
3112-1b - Cleaning	0.00			116.61			116.61		
Total 3112-1 - CONTROL STATION	0.00			116.61			116.61		
Total 3112 - SHEFFIELD	0.00			116.61			116.61		
3113 - ORTEGA									
3113-1 - CONTROL STATION	0.00			339.85			339.85		
3113-1a - Maintenance	0.00			68.04			68.04		
3113-1e - Landscaping	0.00			407.89			407.89		
Total 3113-1 - CONTROL STATION	0.00			828.46			828.46		
3113-2 - RESERVOIR	0.00			45.36			45.36		
3113-2a - Weed Management	0.00			215.71			215.71		
3113-2f - Operations	0.00			1,089.53			1,089.53		
3113-2h - Inspection	0.00								
Total 3113-2 - RESERVOIR	0.00			1,497.42			1,497.42		
Total 3113 - ORTEGA	0.00			1,497.42			1,497.42		
3114 - BOUNDARY METER									
3114-1 - VAULT	0.00			1,271.84			1,271.84		
3114-1a - Maintenance	0.00			362.18			362.18		
3114-1f - Operations	0.00			1,634.02			1,634.02		
Total 3114-1 - VAULT	0.00			1,634.02			1,634.02		
Total 3114 - BOUNDARY METER	0.00			1,634.02			1,634.02		
3115 - CARPINTERIA									
3115-1 - CONTROL STATION	0.00			2,133.53			2,133.53		
3115-1a - Maintenance	0.00			68.04			68.04		
3115-1d - Weed Management	0.00			183.49			183.49		
3115-1f - Operations	0.00			237.50			237.50		
3115-1j - Rehabilitation	0.00			2,622.56			2,622.56		
Total 3115-1 - CONTROL STATION	0.00			2,622.56			2,622.56		
3115-2 - RESERVOIR	0.00			280.08			280.08		
3115-2a - Maintenance	0.00			323.94			323.94		
3115-2d - Weed Management	0.00			521.64			521.64		
3115-2f - Operations	0.00			215.71			215.71		
3115-2h - Inspection	0.00			1,321.37			1,321.37		
Total 3115-2 - RESERVOIR	0.00			3,943.93			3,943.93		
Total 3115 - CARPINTERIA	0.00			3,943.93			3,943.93		
3116 - GOLETA REACH									
3116-1 - STRUCTURES	0.00			149.65			149.65		
3116-1d - Weed Management	0.00			136.08			136.08		
3116-1h - Inspection	0.00			285.73			285.73		
Total 3116-1 - STRUCTURES	0.00			285.73			285.73		
3116-4 - CONDUIT	0.00			209.51			209.51		
3116-4h - Inspection	0.00								

Cachuma Operation & Maintenance Board
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	Fisheries			Operations			TOTAL		
	Jul '12 - Feb '13	Budget	% of Budget	Jul '12 - Feb '13	Budget	% of Budget	Jul '12 - Feb '13	Budget	% of Budget
3116-4i - Engineering	0.00	486.56	100.0%	981.80	486.56	100.0%	981.80	486.56	100.0%
Total 3116-4 - CONDUIT	0.00	696.07	100.0%	981.80	696.07	100.0%	981.80	696.07	100.0%
Total 3116 - GOLETA REACH	0.00			981.80			981.80		100.0%
3117 - CARPINTERIA REACH									
3117-1 - STRUCTURES									
3117-1a - Maintenance	0.00	12,754.01	100.0%	12,754.01	12,754.01	100.0%	12,754.01	12,754.01	100.0%
3117-1b - Cleaning	0.00	151.54	100.0%	151.54	151.54	100.0%	151.54	151.54	100.0%
3117-1h - Inspection	0.00	754.59	100.0%	754.59	754.59	100.0%	754.59	754.59	100.0%
3117-1i - Engineering	0.00	3,001.87	100.0%	3,001.87	3,001.87	100.0%	3,001.87	3,001.87	100.0%
3117-1j - Rehabilitation	0.00	1,637.28	100.0%	1,637.28	1,637.28	100.0%	1,637.28	1,637.28	100.0%
Total 3117-1 - STRUCTURES	0.00	18,299.29	100.0%	18,299.29	18,299.29	100.0%	18,299.29	18,299.29	100.0%
3117-2 - LATERAL METERS									
3117-2a - Maintenance	0.00	3,056.18	100.0%	3,056.18	3,056.18	100.0%	3,056.18	3,056.18	100.0%
3117-2j - Rehabilitation	0.00	5,649.71	100.0%	5,649.71	5,649.71	100.0%	5,649.71	5,649.71	100.0%
Total 3117-2 - LATERAL METERS	0.00	8,705.89	100.0%	8,705.89	8,705.89	100.0%	8,705.89	8,705.89	100.0%
3117-3 - VALVES									
3117-3i - Engineering	0.00	1,277.22	100.0%	1,277.22	1,277.22	100.0%	1,277.22	1,277.22	100.0%
3117-3j - Rehabilitation	0.00	1,398.66	100.0%	1,398.66	1,398.66	100.0%	1,398.66	1,398.66	100.0%
Total 3117-3 - VALVES	0.00	2,676.08	100.0%	2,676.08	2,676.08	100.0%	2,676.08	2,676.08	100.0%
3117-4 - CONDUIT									
3117-4f - Operations	0.00	68.04	100.0%	68.04	68.04	100.0%	68.04	68.04	100.0%
Total 3117-4 - CONDUIT	0.00	68.04	100.0%	68.04	68.04	100.0%	68.04	68.04	100.0%
Total 3117 - CARPINTERIA REACH	0.00	29,749.30	100.0%	29,749.30	29,749.30	100.0%	29,749.30	29,749.30	100.0%
3118 - Oak Tree Program	0.00	4,271.61	100.0%	4,271.61	4,271.61	100.0%	4,271.61	4,271.61	100.0%
3150 - Health & Workers Comp	0.00	131,995.20	100.0%	131,995.20	131,995.20	100.0%	131,995.20	131,995.20	100.0%
3155 - PERS	0.00	89,910.00	60.51%	54,402.00	89,910.00	60.51%	54,402.00	89,910.00	60.51%
3160 - Ops Co FICA	0.00	20,991.31	66.62%	20,991.31	31,511.00	66.62%	20,991.31	31,511.00	66.62%
3165 - Ops Co Medicare	0.00	4,909.25	66.61%	4,909.25	7,370.00	66.61%	4,909.25	7,370.00	66.61%
3100 - LABOR - OPERATIONS - Other	0.00	508,246.00	0.0%	0.00	508,246.00	0.0%	0.00	508,246.00	0.0%
Total 3100 - LABOR - OPERATIONS	0.00	822,844.00	63.21%	520,175.33	822,844.00	63.21%	520,175.33	822,844.00	63.21%
3200 VEH & EQUIPMENT									
3201 - Vehicle/Equip Mice	0.00	30,000.00	67.91%	20,373.15	30,000.00	67.91%	20,373.15	30,000.00	67.91%
3202 - Fixed Capital	0.00	15,000.00	27.32%	4,097.18	15,000.00	27.32%	4,097.18	15,000.00	27.32%
3203 - Equipment Rental	0.00	5,000.00	25.66%	1,283.10	5,000.00	25.66%	1,283.10	5,000.00	25.66%
3204 - Miscellaneous	0.00	5,000.00	62.69%	3,134.63	5,000.00	62.69%	3,134.63	5,000.00	62.69%
Total 3200 VEH & EQUIPMENT	0.00	55,000.00	52.52%	28,888.06	55,000.00	52.52%	28,888.06	55,000.00	52.52%
3300 - CONTRACT LABOR									
3301 - Conduit, Meter, Valve & Misc	0.00	20,000.00	43.54%	8,707.92	20,000.00	43.54%	8,707.92	20,000.00	43.54%
3302 - Buildings & Roads	0.00	20,000.00	43.38%	8,676.12	20,000.00	43.38%	8,676.12	20,000.00	43.38%
3303 - Reservoirs	0.00	10,000.00	19.43%	1,943.00	10,000.00	19.43%	1,943.00	10,000.00	19.43%
3304 - Engineering, Misc Services	0.00	10,000.00	0.0%	0.00	10,000.00	0.0%	0.00	10,000.00	0.0%
Total 3300 - CONTRACT LABOR	0.00	60,000.00	32.21%	19,327.04	60,000.00	32.21%	19,327.04	60,000.00	32.21%
3400 - MATERIALS & SUPPLIES									
3401 - Conduit, Meter, Valve & Misc	0.00	25,000.00	61.62%	15,405.15	25,000.00	61.62%	15,405.15	25,000.00	61.62%
3402 - Buildings & Roads	0.00	15,000.00	29.31%	4,396.22	15,000.00	29.31%	4,396.22	15,000.00	29.31%
3403 - Reservoirs	0.00	10,000.00	4.28%	427.46	10,000.00	4.28%	427.46	10,000.00	4.28%
Total 3400 - MATERIALS & SUPPLIES	0.00	50,000.00	40.46%	20,228.83	50,000.00	40.46%	20,228.83	50,000.00	40.46%

**Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures**

Budget vs. Actuals - July 2012-Jun 2013

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	Fisheries			Operations			TOTAL		
	Jul '12 - Feb '13	Budget	% of Budget	Jul '12 - Feb '13	Budget	% of Budget	Jul '12 - Feb '13	Budget	% of Budget
3500 - OTHER EXPENSES									
3501 - Utilities	0.00	7,000.00	-1,958.13	5,043.87	7,000.00	72.06%	5,043.87	7,000.00	72.06%
3502 - Uniforms	0.00	6,000.00	-5,433.53	565.47	6,000.00	9.44%	565.47	6,000.00	9.44%
3503 - Communications	0.00	18,000.00	-4,845.24	13,154.76	18,000.00	73.08%	13,154.76	18,000.00	73.08%
3504 - USA & Other Services	0.00	4,000.00	-2,342.75	1,657.25	4,000.00	41.43%	1,657.25	4,000.00	41.43%
3505 - Miscellaneous	0.00	8,000.00	-3,320.10	4,679.90	8,000.00	58.5%	4,679.90	8,000.00	58.5%
3506 - Training	0.00	3,000.00	-2,420.72	579.28	3,000.00	19.31%	579.28	3,000.00	19.31%
Total 3500 - OTHER EXPENSES	0.00	46,000.00	-20,318.47	25,681.53	46,000.00	55.83%	25,681.53	46,000.00	55.83%
4000 - Reconciliation Discrepancies									
4000 - Reconciliation Discrepancies	0.00	0.00	-0.04	-0.04	0.00	100.0%	-0.04	0.00	100.0%
4100 - LABOR - FISHERIES									
4101 - Senior Resource Scientist	54,013.17	83,817.00	-38,803.83	54,013.17	83,817.00	57.57%	54,013.17	83,817.00	57.57%
4102 - Project Biologist	55,617.98	88,729.00	-33,111.02	55,617.98	88,729.00	62.68%	55,617.98	88,729.00	62.68%
4103 - Biologist	43,649.00	69,348.00	-25,699.00	43,649.00	69,348.00	62.94%	43,649.00	69,348.00	62.94%
4104 - Oak Tree Program	35,926.52	0.00	35,926.52	35,926.52	0.00	100.0%	35,926.52	0.00	100.0%
4114 - Seasonal Aide - JG	453.50	11,250.00	-10,796.50	453.50	11,250.00	4.03%	453.50	11,250.00	4.03%
4115 - Seasonal Aide - RK	1,321.69	11,250.00	-9,928.31	1,321.69	11,250.00	11.75%	1,321.69	11,250.00	11.75%
4116 - Seasonal Aide - DR	1,000.70	11,250.00	-10,249.30	1,000.70	11,250.00	8.9%	1,000.70	11,250.00	8.9%
4117 - Seasonal Aide - BJ	717.75	11,250.00	-10,532.25	717.75	11,250.00	6.38%	717.75	11,250.00	6.38%
4150 - FD Health & WC	49,466.18	83,708.00	-34,241.82	49,466.18	83,708.00	59.09%	49,466.18	83,708.00	59.09%
4151 - FD PERS	31,617.77	47,878.00	-16,260.23	31,617.77	47,878.00	66.04%	31,617.77	47,878.00	66.04%
4152 - FD Co FICA	13,018.97	18,407.00	-5,388.03	13,018.97	18,407.00	70.73%	13,018.97	18,407.00	70.73%
4153 - FD Co Medicare	3,044.76	4,305.00	-1,260.24	3,044.76	4,305.00	70.73%	3,044.76	4,305.00	70.73%
Total 4100 - LABOR - FISHERIES	289,847.99	451,192.00	-161,344.01	289,847.99	451,192.00	64.24%	289,847.99	451,192.00	64.24%
4200 - VEHICLES & EQUIP - FISHERIES									
4200 - VEHICLES & EQUIP - FISHERIES	7,432.81	13,000.00	-5,567.19	7,432.81	13,000.00	57.18%	7,432.81	13,000.00	57.18%
4270 - Vehicle/Equip Mtc	0.00	10,000.00	-10,000.00	0.00	10,000.00	0.0%	0.00	10,000.00	0.0%
4280 - Fixed Capital	808.57	2,500.00	-1,691.43	808.57	2,500.00	32.34%	808.57	2,500.00	32.34%
4290 - Miscellaneous	8,241.38	25,500.00	-17,258.62	8,241.38	25,500.00	32.32%	8,241.38	25,500.00	32.32%
Total 4200 - VEHICLES & EQUIP - FISHERIES	16,082.75	41,000.00	-17,258.62	16,082.75	41,000.00	39.24%	16,082.75	41,000.00	39.24%
4220 - CONTRACT LABOR - FISHERIES									
4220 - CONTRACT LABOR - FISHERIES	0.00	3,000.00	-3,000.00	0.00	3,000.00	0.0%	0.00	3,000.00	0.0%
4221 - Meters & Valves	10,008.79	13,000.00	-2,991.21	10,008.79	13,000.00	76.99%	10,008.79	13,000.00	76.99%
4222 - Fish Projects Maintenance	10,008.79	16,000.00	-5,991.21	10,008.79	16,000.00	62.56%	10,008.79	16,000.00	62.56%
Total 4220 - CONTRACT LABOR - FISHERIES	20,027.58	32,000.00	-11,982.42	20,027.58	32,000.00	62.56%	20,027.58	32,000.00	62.56%
4300 - MATERIALS/SUPPLIES - FISHERIES									
4300 - MATERIALS/SUPPLIES - FISHERIES	190.60	6,000.00	-5,809.40	190.60	6,000.00	3.18%	190.60	6,000.00	3.18%
4390 - Miscellaneous	1,516.54	2,500.00	-983.46	1,516.54	2,500.00	60.66%	1,516.54	2,500.00	60.66%
Total 4300 - MATERIALS/SUPPLIES - FISHERIES	1,707.14	8,500.00	-6,602.86	1,707.14	8,500.00	20.0%	1,707.14	8,500.00	20.0%
4500 - OTHER EXPENSES - FISHERIES									
4500 - OTHER EXPENSES - FISHERIES	0.00	1,530.00	-720.58	809.42	1,530.00	52.9%	809.42	1,530.00	52.9%
4502 - Uniforms	0.00	6,270.00	-1,051.60	7,321.60	6,270.00	116.77%	7,321.60	6,270.00	116.77%
Total 4500 - OTHER EXPENSES - FISHERIES	0.00	7,800.00	-331.02	8,131.02	7,800.00	104.24%	8,131.02	7,800.00	104.24%
4999 - GENERAL & ADMINISTRATIVE									
5000 - Director Fees	78,581.00	100,000.00	-21,419.00	78,581.00	100,000.00	78.58%	78,581.00	100,000.00	78.58%
5001 - Director Mileage	9,750.00	11,700.00	-1,950.00	9,750.00	11,700.00	83.33%	9,750.00	11,700.00	83.33%
5000 - Director Fees - Other	76.72	0.00	76.72	76.72	0.00	100.0%	76.72	0.00	100.0%
Total 5000 - Director Fees	88,407.72	112,700.00	-24,592.28	88,407.72	112,700.00	78.5%	88,407.72	112,700.00	78.5%
5100 - Legal	0.00	40,000.00	-916.15	39,083.85	40,000.00	97.71%	39,083.85	40,000.00	97.71%
5101 - Audit	0.00	155,566.00	-80,044.76	75,521.24	155,566.00	48.55%	75,521.24	155,566.00	48.55%
5150 - Unemployment Tax	0.00	53,810.00	-21,550.31	32,259.69	53,810.00	59.95%	32,259.69	53,810.00	59.95%
5200 - Liability Insurance	0.00	17,553.00	-7,551.61	10,001.39	17,553.00	56.98%	10,001.39	17,553.00	56.98%
5201 - Health & Workers Comp	0.00	0.00	0.00	0.00	0.00	0.0%	0.00	0.00	0.0%
5250 - PERS	0.00	0.00	0.00	0.00	0.00	0.0%	0.00	0.00	0.0%
5260 - Company FICA Admin	0.00	0.00	0.00	0.00	0.00	0.0%	0.00	0.00	0.0%

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	Fisheries			Operations			TOTAL		
	Jul '12 - Feb 13	\$ Over Budget	% of Budget	Jul '12 - Feb 13	\$ Over Budget	% of Budget	Jul '12 - Feb 13	\$ Over Budget	% of Budget
5265 - Company MCARE Admin	0.00			2,589.45	4,105.00	72.83%	2,989.45	4,105.00	72.83%
5300 - Manager Salary	0.00			64,420.51	104,000.00	61.94%	64,420.51	104,000.00	61.94%
5301 - Administrative Manager	0.00			43,886.19	64,092.00	68.47%	43,886.19	64,092.00	68.47%
5304 - Administrative Secretary	0.00			24,040.38	36,785.00	65.35%	24,040.38	36,785.00	65.35%
5306 - Administrative Assistant	0.00			26,396.57	39,590.00	66.68%	26,396.57	39,590.00	66.68%
5307 - Water Resources Technician	0.00			24,951.72	38,642.00	64.57%	24,951.72	38,642.00	64.57%
5310 - Postage/Office Exp	0.00			4,271.17	9,100.00	46.94%	4,271.17	9,100.00	46.94%
5311 - Office Equip/Leases	0.00			5,319.76	9,691.00	54.89%	5,319.76	9,691.00	54.89%
5312 - Misc Admin Expenses	0.00			6,323.66	10,790.00	58.61%	6,323.66	10,790.00	58.61%
5313 - Communications	0.00			5,713.53	7,995.00	71.46%	5,713.53	7,995.00	71.46%
5314 - Utilities	0.00			5,236.93	9,737.00	53.78%	5,236.93	9,737.00	53.78%
5315 - Membership Dues	0.00			5,869.75	6,425.00	91.36%	5,869.75	6,425.00	91.36%
5316 - Admin Fixed Assets	0.00			1,023.95	5,000.00	20.48%	1,023.95	5,000.00	20.48%
5318 - Computer Consultant	0.00			11,893.27	16,625.00	71.54%	11,893.27	16,625.00	71.54%
5325 - Emp Training/Subscriptions	0.00			600.27	2,000.00	30.01%	600.27	2,000.00	30.01%
5330 - Admin Travel/Conferences	0.00			625.02	2,000.00	31.25%	625.02	2,000.00	31.25%
5331 - Public Information	0.00			396.15	1,000.00	39.62%	396.15	1,000.00	39.62%
5332 - Transportation	0.00			0.00	0.00		0.00	0.00	
5333 - Relocation Expense	0.00			0.00	-4,468.44	0.0%	0.00	-4,468.44	0.0%
5333-1 - Relocation Expense GM - CIO	0.00			1,599.78	4,468.44	35.8%	1,599.78	4,468.44	35.8%
5333 - Relocation Expense - Other	0.00			1,599.78	0.00	100.0%	1,599.78	0.00	100.0%
Total 5333 - Relocation Expense	0.00			488,962.97	754,006.00	64.85%	488,962.97	754,006.00	64.85%
Total 4999 - GENERAL & ADMINISTRATIVE	0.00			488,962.97	754,006.00	64.85%	488,962.97	754,006.00	64.85%
5400 - GENERAL & ADMIN - FISHERIES									
5401 - Health & Workers Comp.	24,461.83	-17,440.17	58.38%	0.00	0.00		24,461.83	41,902.00	58.38%
5402 - CalPERS	17,370.66	-11,604.14	59.95%	0.00	0.00		17,370.66	28,975.00	59.95%
5403 - Company Fica	5,385.46	-4,066.54	56.98%	0.00	0.00		5,385.46	9,452.00	56.98%
5404 - Admin Secretary	12,944.62	-6,862.18	65.36%	0.00	0.00		12,944.62	19,807.00	65.36%
5405 - GM Salary	34,688.01	-21,311.99	61.94%	0.00	0.00		34,688.01	56,000.00	61.94%
5406 - Company MCare	1,608.71	-600.29	72.84%	0.00	0.00		1,608.71	2,210.00	72.84%
5407 - Legal - FD	9,690.00	-15,110.00	39.56%	0.00	0.00		9,690.00	25,000.00	39.56%
5408 - Administrative Manager	23,631.11	-10,879.89	68.47%	0.00	0.00		23,631.11	34,511.00	68.47%
5409 - Administrative Assistant	14,213.53	-7,760.13	54.57%	0.00	0.00		14,213.53	25,973.66	54.57%
5410 - Postage / Office Supplies	2,139.87	-2,139.87	0.0%	0.00	0.00		2,139.87	4,900.00	43.07%
5411 - Office Equipment / Leases	2,864.39	-2,353.61	54.89%	0.00	0.00		2,864.39	5,218.00	54.89%
5412 - Misc. Admin Expense	3,866.51	-1,943.49	66.55%	0.00	0.00		3,866.51	5,810.00	66.55%
5413 - Communications	3,325.50	-979.50	77.25%	0.00	0.00		3,325.50	4,305.00	77.25%
5414 - Utilities	3,028.25	-2,423.11	80.14%	0.00	0.00		3,028.25	3,851.36	78.63%
5415 - Membership Dues	551.35	-3,448.65	13.78%	0.00	0.00		551.35	4,000.00	13.78%
5416 - Admin Fixed Assets	6,309.83	-815.17	88.56%	0.00	0.00		6,309.83	7,125.00	88.56%
5418 - Computer Consultant	600.00	-1,900.00	24.0%	0.00	0.00		600.00	2,500.00	24.0%
5425 - Employee Education/Subsription	3,897.60	-102.40	97.44%	0.00	0.00		3,897.60	4,000.00	97.44%
5426 - Director Fees	430.28	-230.28	215.14%	0.00	0.00		430.28	200.00	215.14%
5427 - Director Mileage	0.00	-2,500.00	0.0%	0.00	0.00		0.00	2,500.00	0.0%
5430 - Travel	1,213.29	-786.71	60.67%	0.00	0.00		1,213.29	2,000.00	60.67%
5431 - Public Information	0.00			0.00	0.00		0.00	0.00	
5432 - Transportation	0.00			0.00	0.00		0.00	0.00	
5433 - Relocation Expense - GM	0.00			0.00	0.00		0.00	0.00	
5433-1 - Relocation Expense GM - CIO	0.00	1,915.06	0.0%	0.00	0.00		0.00	-1,915.06	0.0%
5433 - Relocation Expense - GM - Other	685.62	-1,229.44	35.9%	0.00	0.00		685.62	1,915.06	35.9%
Total 5433 - Relocation Expense - GM	685.62	685.62	100.0%	0.00	0.00		685.62	0.00	100.0%
5441 - Audit	5,250.00	-1,050.00	83.33%	0.00	0.00		5,250.00	6,300.00	83.33%
5443 - Lib & Property Ins	21,045.15	-254.85	98.8%	0.00	0.00		21,045.15	21,300.00	98.8%
5490 - Fish Projects Interest Expense	0.00	-1,000.00	0.0%	0.00	0.00		0.00	1,000.00	0.0%
5450 - Water Resources Technician	13,435.54	-7,372.46	64.57%	0.00	0.00		13,435.54	20,808.00	64.57%
Total 5400 - GENERAL & ADMIN - FISHERIES	215,658.40	-123,624.60	63.56%	0.00	0.00		215,658.40	339,283.00	63.56%

Cachuma Operation & Maintenance Board
 Statement of Revenues and Expenditures
 Budget vs. Actuals - July 2012-Jun 2013

3:23 PM
 03/18/13
 Accrual Basis

	Fisheries			Operations			TOTAL		
	Jul '12 - Feb '13	Budget	% of Budget	Jul '12 - Feb '13	Budget	% of Budget	Jul '12 - Feb '13	Budget	% of Budget
5510 - Integrated Reg. Water Mgt Plan	0.00	5,000.00	39.22%	1,961.00	5,000.00	39.22%	1,961.00	5,000.00	39.22%
5512 - OPEB Actuarial	0.00	3,000.00	0.0%	0.00	3,000.00	0.0%	0.00	3,000.00	0.0%
6000 - SPECIAL PROJECTS									
6062 - SCADA	0.00	35,000.00	8.85%	3,096.20	35,000.00	8.85%	3,096.20	35,000.00	8.85%
6090-1 - COMB Bldg/Grounds Repair	0.00	0.00		0.00	0.00		0.00	0.00	0.0%
6090 - COMB Office Building	0.00	30,000.00	32.21%	9,661.64	30,000.00	32.21%	9,661.64	30,000.00	32.21%
6092 - SCC Improv Plan & Design	0.00	25,000.00	0.0%	0.00	25,000.00	0.0%	0.00	25,000.00	0.0%
6097 - GIS and Mapping	0.00	10,000.00	110.23%	11,022.77	10,000.00	110.23%	11,022.77	10,000.00	110.23%
6101 - SCC Emergency Pipeline Repairs	0.00	0.00	100.0%	-1,486.92	0.00	100.0%	-1,486.92	0.00	100.0%
6103 - SCCMURRP	0.00	3,200,000.00	28.94%	925,950.68	3,200,000.00	28.94%	925,950.68	3,200,000.00	28.94%
6104 - Lower Reach Boundary Meter	0.00	22,500.00	93.33%	20,998.24	22,500.00	93.33%	20,998.24	22,500.00	93.33%
6106 - NPL/Lake Intake Tower Phase I	0.00	27,000.00	53.12%	14,341.28	27,000.00	53.12%	14,341.28	27,000.00	53.12%
Total 6000 - SPECIAL PROJECTS	0.00	3,349,500.00	29.37%	983,583.89	3,349,500.00	29.37%	983,583.89	3,349,500.00	29.37%
6200 - FISHERIES ACTIVITIES									
6201 - FMP Implementation	4,819.91	62,000.00	7.77%	0.00	62,000.00	7.77%	4,819.91	62,000.00	7.77%
6202 - GIS and Mapping	3,506.38	10,000.00	35.06%	0.00	10,000.00	35.06%	3,506.38	10,000.00	35.06%
6203 - Grants Technical Support	3,950.00	10,000.00	39.5%	0.00	10,000.00	39.5%	3,950.00	10,000.00	39.5%
6204 - SYR Hydrology Technical Support	4,852.10	10,000.00	48.52%	0.00	10,000.00	48.52%	4,852.10	10,000.00	48.52%
6205 - USGS Stream Gauge Program	55,612.50	75,000.00	74.15%	0.00	75,000.00	74.15%	55,612.50	75,000.00	74.15%
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	21,979.85	20,000.00	109.9%	0.00	20,000.00	109.9%	21,979.85	20,000.00	109.9%
6208 - Legislative & Steelhead Funding	0.00	5,000.00	0.0%	0.00	5,000.00	0.0%	0.00	5,000.00	0.0%
6209 - SYR Riverware Model Peer Review	0.00	-18,629.89	0.0%	0.00	-18,629.89	0.0%	0.00	-18,629.89	0.0%
6209-1 - SYR Riverware Model Peer Review UF	5,413.15	18,629.89	29.06%	0.00	18,629.89	29.06%	5,413.15	18,629.89	29.06%
6209 - SYR Riverware Model Peer Review - Other	5,413.15	0.00	100.0%	0.00	0.00	100.0%	5,413.15	0.00	100.0%
Total 6209 - SYR Riverware Model Peer Review	0.00	12,000.00	0.0%	0.00	12,000.00	0.0%	0.00	12,000.00	0.0%
6211 - SYR RiverWare Model Use	100,133.89	209,000.00	47.91%	0.00	209,000.00	47.91%	100,133.89	209,000.00	47.91%
Total 6200 - FISHERIES ACTIVITIES	100,133.89	209,000.00	47.91%	0.00	209,000.00	47.91%	100,133.89	209,000.00	47.91%
6300 - HABITAT ENHANCEMENT									
6303 - Tributary Projects Support	2,218.78	3,000.00	73.96%	0.00	3,000.00	73.96%	2,218.78	3,000.00	73.96%
6304 - Engineering Designs - QC	34,996.75	65,000.00	53.84%	0.00	65,000.00	53.84%	34,996.75	65,000.00	53.84%
6308 - Quiota Creek Crossing #7	770,319.79	890,000.00	86.55%	0.00	890,000.00	86.55%	770,319.79	890,000.00	86.55%
Total 6300 - HABITAT ENHANCEMENT	807,535.32	958,000.00	84.29%	0.00	958,000.00	84.29%	807,535.32	958,000.00	84.29%
6400 - STORM DAMAGE									
6401 - Storm Damage 2005	0.00	0.00	100.0%	33,072.00	0.00	100.0%	33,072.00	0.00	100.0%
6402 - Zaca Fire Damage	0.00	0.00		0.00	0.00		0.00	0.00	0.0%
Total 6400 - STORM DAMAGE	0.00	0.00		33,072.00	0.00	100.0%	33,072.00	0.00	100.0%
7006 - INTEREST EXPENSE	0.00	2,000.00	0.0%	0.00	2,000.00	0.0%	0.00	2,000.00	0.0%
Total Expense	1,433,132.94	2,007,475.00	71.39%	2,121,860.56	5,147,450.00	41.22%	3,555,013.52	7,154,925.00	49.65%
Net Income	72,921.68	0.00	100.0%	844,425.30	0.00	100.0%	917,346.98	0.00	100.0%

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

www.treasurer.ca.gov/pmia-laif
March 13, 2013

CACHUMA OPERATION AND MAINTENANCE BOARD

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

PMIA Average Monthly Yields

Tran Type Definitions

February 2

Account Summary

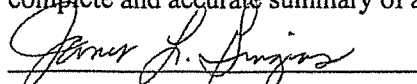
Total Deposit:	0.00	Beginning Balance:	3,878.66
Total Withdrawal:	0.00	Ending Balance:	3,878.66

MEMO TO: Board of Directors
Cachuma Operation & Maintenance Board

FROM: Janet L. Gingras, Secretary

SUBJECT: COMB INVESTMENT POLICY

The above statement of investment activity for the month of February, 2013, complies with legal requirements for investment policy of government agencies, AB 1073. I hereby certify that it constitutes a complete and accurate summary of all LAIF investments of this agency for the period indicated.


Secretary

**SANTA BARBARA
BANK & TRUST**

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

5847
Cachuma Operation & Maintenance Board
Master Contract Renewal Fund
3301 Laurel Canyon Rd
Santa Barbara CA 93105-2017

Banking Statement

Statement Period: 02/01/2013 to 02/28/2013

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

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

www.sbbt.com

**Notice of Expiration: Temporary Unlimited Coverage
for Noninterest-Bearing Transaction Accounts**

NOTICE: By federal law, as of 1/1/2013, funds in a noninterest-bearing transaction account (including an IOLTA/IOLA) will no longer receive unlimited deposit insurance coverage, but will be FDIC-insured to the legal maximum of \$250,000 for each ownership category. For more information, visit -

<http://www.fdic.gov/deposit/deposits/unlimited/expiration.html>



Public Interest Checking

Checking Summary

Cachuma Operation & Maintenance Board

Master Contract Renewal Fund

Account Number	102335072
Interest Paid YTD	9.14
Interest Paid Last Year	85.34

Deposit Account Recap

Beginning Balance as of	
February 1, 2013	127,150.10
1 Deposits (Plus)	3.74
1 Withdrawals (Minus)	92,057.20
Ending Balance as of	
February 28, 2013	35,096.64
Interest Paid	3.74

MEMO TO: Board of Directors
Cachuma Operation & Maintenance Board

FROM: Janet L. Gingras, Secretary

SUBJECT: COMB INVESTMENT POLICY

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Secretary

**SANTA BARBARA
BANK & TRUST**

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

5848
Cachuma Operation & Maintenance Board
Cachuma Project Trust Fund
3301 Laurel Canyon Rd
Santa Barbara CA 93105-2017

Banking Statement

Statement Period: 02/01/2013 to 02/28/2013

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

BANKLINE-24-HOUR AUTOMATED INFORMATION
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<http://www.fdic.gov/deposit/deposits/unlimited/expiration.html>



Public Capital Tiered MMDA

Checking Summary

Cachuma Operation & Maintenance Board

Cachuma Project Trust Fund

Account Number	102335080
Interest Paid YTD	13.11
Interest Paid Last Year	174.03

Deposit Account Recap

Beginning Balance as of	
February 1, 2013	27,560.34
1 Deposits (Plus)	6.34
Ending Balance as of	
February 28, 2013	27,566.68
Interest Paid	6.34

MEMO TO: Board of Directors
Cachuma Operation & Maintenance Board

FROM: Janet L. Gingras, Secretary

SUBJECT: COMB INVESTMENT POLICY

The above statement of investment activity for the month of February, 2013, 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

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Accrual Basis

comb2
Payment of Claims
As of February 28, 2013

Date	Num	Name	Memo	Amount
1050 - GENERAL FUND				
02/01/2013	21600	Blois Construction, Inc.	C/O #2 payment (less retention) MURRP	-158,770.80
02/01/2013	21601	West Coast Pipe	Emergency pipe purchased Pipe PO#9117	-136,713.23
02/12/2013	21602	Alonzo Orozco	Jan mtg fees	-237.57
02/12/2013	21603	American Water Works Association	Member Dues 4/1/13-3/31/14	-413.00
02/12/2013	21604	Association of Ca Water Agencies/JPIA	Coverage month 3/1/13-4/1/13	-26,040.69
02/12/2013	21605	AT&T	Jan statement	-286.03
02/12/2013	21606	Bartlett, Pringle & Wolf, LLP	Financial Audit FY 11/12	-2,503.00
02/12/2013	21607	Business Card	AM-ESRI conf (ME), satellite fee, webhosting, business lunch	-1,350.79
02/12/2013	21608	Carpinteria Valley Lumber Company	Burlap/sandbags/marketing tools	-26.38
02/12/2013	21609	Channel City Lumber	Headlamp/treated round stakes-Oak trees	-225.00
02/12/2013	21610	CIO Solutions, LP	Mtce services-Feb-Maintain IT/Modus Gate Anti-virus	-2,122.50
			Extreme Works switch (telephone system)	
02/12/2013	21611	City of Santa-Barbara	Refuse/recycle 12/28/12-1/31/13	-182.14
02/12/2013	21612	City of Santa Barbara-Central Stores	Gloves/inserts/dust masks/toilet tissue/PT/butterfly valve	-2,300.62
02/12/2013	21613	Coastal Copy, LP	Mtce agmt TASKalfa 250ci (board room)	-2.00
02/12/2013	21614	COMB-Petty Cash	Increase Petty Cash	-100.00
02/12/2013	21615	COMB - Revolving Fund	Feb 15 & Mar 1 payrolls/taxes	-109,053.66
02/12/2013	21616	County of Santa-Barbara	Mulch	-10.00
02/12/2013	21617	Cox Communications	Business internet Feb	-195.00
02/12/2013	21618	Crop Production Services, Inc	Bamboo stakes-Oak trees	-103.68
02/12/2013	21619	Culligan Water	RO system Feb	-24.95
02/12/2013	21620	Dale Francisco	Jan mtg fees	-265.37
02/12/2013	21621	David Nageotte	Reimb steel toe boots/inserts/laces	-138.88
02/12/2013	21622	Dell Marketing L.P.	Computer Opti-Plex 9010 (Ops-IV) PO#9185	-1,542.03
02/12/2013	21623	Dennis E. Beebe	Jan mtg fees	-480.12
02/12/2013	21624	ECHO Communications	Answering service	-68.16
02/12/2013	21625	GE Capital	Copier lease TASKalfa 250CI (board room)	-133.92
02/12/2013	21626	Grainger	Round sling PO#9187	-49.84
02/12/2013	21627	HDR Engineering, Inc.	BO/FMP implementation & tech support-Dec/QC xng 6	-13,715.05
			O&M tech support-Dec/QC fish passage tech & design support-Dec	
02/12/2013	21628	Home Depot Credit Services	Supplies-ADA ramp/shelving containers/concrete mix	-150.51
02/12/2013	21629	Hydrex Pest Control Co.	Ant/pest control	-108.00
02/12/2013	21630	Kenneth A. Knight, Consulting	Arborist services-Oak Tree Program-Jan	-1,950.00
02/12/2013	21631	Lauren W. Hanson	Jan mtg fees	-400.95
02/12/2013	21632	Macro Automatics Corporation	Boundary meter comm & RTU upgrade	-5,854.76
02/12/2013	21633	MarBorg Industries	Portable toilets	-328.30
02/12/2013	21634	MarVac Electronics	Fuses for SCADA equip	-10.80
02/12/2013	21635	Musick, Peeler & Garrett LLP	General Counsel-Dec (Gen/Salentine/Fisheries Gen)	-16,256.00
02/12/2013	21636	O'Reilly Automotive, Inc.	Pump/oil pumper/oil for equipment	-109.23
02/12/2013	21637	Orchard Commercial Services	Small tool/structure mtce supplies/extra key & hide-a-key F	-123.19
02/12/2013	21638	Paychex, Inc.	12/31 spec p/r, 1/4, 18, 2/1 payrolls/taxes/qtr-yr end	-693.11
02/12/2013	21639	PG&E	NP/Tecolote tunnel	-372.37
02/12/2013	21640	Praxair Distribution, Inc	Cylinder rental	-62.78
02/12/2013	21641	Premiere Global Services	Conf. calls Jan	-62.31
02/12/2013	21642	Prudential Overall Supply	Mats/scrapers for offices	-99.48
02/12/2013	21643	Republic Elevator Co.	Scheduled mtce-NP elevator	-278.12
02/12/2013	21644	Santa Barbara Police Department	Renewal-Security Alarm Reg#6439	-40.00
02/12/2013	21645	Santa Ynez River Water Cons. Dist. ID#	Stetson-BO/FMP-Sep/Dec/ SYR Hydrology-Sep	-3,070.77
02/12/2013	21646	SB Home Improvement Center	Small tools	-26.98
02/12/2013	21647	Secorp Industries	Tunnel walk rescue personnel PO#12-13-06	-8,232.92
02/12/2013	21648	SHRM	Membership ID#01114710 5/1/13-4/30/14	-180.00
02/12/2013	21649	Southern California Edison	Main ofc/outlying stations	-1,500.46
02/12/2013	21650	Staples Contract and Commercial, Inc.	Office supplies	-358.47
02/12/2013	21651	Staples Credit Plan	Universal cell phone chargers-ops crew	-32.38
02/12/2013	21652	Stetson Engineers, Inc.	Riverware-Aug/Oct	-1,785.77
02/12/2013	21653	Tim Robinson	Reimb-business lunch	-113.73
02/12/2013	21654	Tri-County Locksmiths, Inc	Lock body (2)	-75.60
02/12/2013	21655	Underground Service Alert of So. Calif.	New ticket charges-47	-70.50
02/12/2013	21656	United States Geological Survey	Stream Gauge 1st Qrtly billing Agmt 11/1/12	-18,537.50
02/12/2013	21657	Verizon California	Main ofc/outlying stations/SCADA	-919.39
02/12/2013	21658	Verizon Wireless	Modems-Boundary & Ortega/Cellular-Eng & Fisheries	-317.39

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 03/18/13
 Accrual Basis

comb2
Payment of Claims
 As of February 28, 2013

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
02/12/2013	21659	W. Douglas Morgan	Jan mtg fees	-557.20
02/12/2013	21660	Wright Express Fleet Services	Fleet fuel	-1,468.31
02/12/2013	21661	Republic Elevator Co.	Elevator repair-replace gov tail sheave & bracket	-469.32
02/12/2013	21662	Rauch Communication Consultants, LLC	Website mtce	-82.50
02/19/2013	21663	COMB-Petty Cash	Replenish Petty Cash	-473.32
02/19/2013	21664	Federal Express	Mailing	-24.06
02/19/2013	21665	Grainger	Flow control valve/round sling PO#9187	-103.70
02/19/2013	21666	Nargan Fire & Safety, Inc.	Fire extinguisher annual service/parts	-349.88
02/19/2013	21667	Peter Lapidus Construction, Inc.	Quiota Crk xng 7-Change Order #3 work	-5,301.17
02/25/2013	21668	ACWA	GM classified ad-web/pub	-900.00
02/25/2013	21669	Bartlett, Pringle & Wolf, LLP	Financial Audit FY 11-12	-3,748.00
02/25/2013	21670	Cabela's Marketing & Brand Mgt Inc.	Wading boots/waders/headlamp PO#9190	-1,265.11
02/25/2013	21671	CIO Solutions, LP	Jetdirect card for printer-4600	-124.58
02/25/2013	21672	County of S.B.-P.W. Trans	Quiota Crk xng #7 Permit	-4,532.95
02/25/2013	21673	Frazee Paint	Paint/brush/pale/rags-misc supplies	-86.84
02/25/2013	21674	GE Capital	Copier lease TASKalfa 4500CI	-355.32
02/25/2013	21675	Praxair Distribution, Inc	Contact tip for welder	-52.06
02/25/2013	21676	Prober Land Surveying	Quiota Crk Survey PO#12-13-08	-3,950.00
02/25/2013	21677	Sherwin Williams Co.	Paint & mtce supplies	-54.87
02/25/2013	21678	Spatial Wave	Field Mapplet Software mtce 4/1/13-6/30/13	-900.00
02/25/2013	21679	Staples Contract and Commercial, Inc.	Office supplies	-218.83
02/25/2013	21680	The Gas Company	Main ofc	-59.86
02/25/2013	21684	Acorn Landscape Management Co.	Scheduled mtce-Lauro yard	-260.77
02/25/2013	21685	COMB - Revolving Fund	Mar 15 & 29 payrolls/taxes/qtr end	-201,012.03
02/25/2013	21686	PG&E	NP/Tecolote tunnel	-320.01
02/26/2013	21687	J&C Services	Office cleaning services-Oct/Nov	-1,200.00
02/27/2013	21688	Blois Construction, Inc.	Partial (50%) retention released-MURRP	-206,269.40
02/27/2013	21689	David Baum	Reimb-travel/mileage	-269.59
02/27/2013	21690	David Flora	Reimb steel toe boots	-78.74
02/27/2013	21691	Joshua Smith	Reimb-Grade D2 exam	-65.00
Total 1050 · GENERAL FUND				<u>-953,729.60</u>
TOTAL				<u>-953,729.60</u>

9:34 AM
03/18/13
Accrual Basis

comb2
Payment of Claims-Renewal Fund
February 2013

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Split</u>	<u>Amount</u>
Feb 13 2/15/2013	3006	Cachuma Oper & Maint Board	Claims/salaries	2590 · DE...	-92,057.20
Feb 13					<u>-92,057.20</u>

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	March 25, 2013
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

SUBJECT: California Department of Fish and Wildlife Agreement Regarding Sharing Data

SUMMARY:

The California Department of Fish and Wildlife (CDFW) have deployed a DIDSON camera to observe steelhead migration through lower Salsipuedes Creek just downstream of our long-term trapping location. DIDSON technology captures video that can record fish migration during most flows even when the water is turbid. Our conventional trapping method does not permit trapping during high flow events with stream discharge greater than 65 cubic feet per second at the Salsipuedes Creek trapping site. An agreement has been drafted, Exhibit A, that provides for collectively learning about the DIDSON technology and data sharing between the two organizations. This agreement outlines the terms and conditions of that collaboration.

FINANCIAL IMPACT:

There will be no financial impact as staff will absorb this collaboration into our ongoing regular monitoring effort of migrating steelhead.

LEGAL CONCURRENCE:

The agreement is under review by COMB's legal counsel.

ENVIRONMENTAL COMPLIANCE:

N/A

COMMITTEE STATUS:

The collaboration has been reviewed and approved by the COMB Board Fisheries Committee and the Advocacy Group.

RECOMMENDATION:

The COMB Board approves the agreement as drafted and authorizes the COMB Interim General Manager to sign the agreement.

LIST OF EXHIBITS:

Letter agreement between CDFW and COMB regarding sharing data and knowledge for monitoring steelhead migration in lower Salsipuedes Creek, if completed, will be made available at the Board meeting.

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	March 25, 2013
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

SUBJECT: FishAmerica Foundation Grant Acceptance for the Cattle Exclusionary Fencing Project on Lower Salsipuedes Creek

SUMMARY:

Recently COMB received a grant from the FishAmerica Foundation (FAF) for a project entitled Cattle Exclusionary Fencing on Lower Salsipuedes Creek. The project entails working with the landowner to install riparian corridor fencing to prohibit cattle from accessing the creek bottom and impacting the steelhead/rainbow trout spawning and rearing habitat along lower Salsipuedes Creek. Off-channel watering will also be provided as part of the project. The project description and budget is presented in Exhibit A. The FAF grant agreement (FAF-12040) is provided as Exhibit B. The FAF awarded amount is for \$16,435 with a COMB match of \$16,703. The grant funds will be used to purchase supplies and construct the project. COMB match funds will be for project administration, biological monitoring during and after construction, travel costs to the site, and administrative overhead. Upon the COMB Board acceptance of the grant, finalizing the landowner agreement, and securing any needed permits, the project will begin. Construction is anticipated to take less than a month. Post-project monitoring will be incorporated into the Fisheries Division routine habitat and steelhead/rainbow trout field activities in support of the 2000 Cachuma Project Biological Opinion and 2004 Lower Santa Ynez River Fish Management Plan. An extension for acceptance was granted with a current deadline to **3/28/13**.

FINANCIAL IMPACT:

Supplies and construction costs will have to be paid by COMB and then reimbursed by FAF upon submittal of the grant disbursement request. The COMB match will have no impact to the COMB budget as all items are part of the Fisheries Division routine activities.

LEGAL CONCURRENCE:

COMB legal counsel has reviewed and approved the grant agreement. Staff is working with counsel on the landowner agreement.

ENVIRONMENTAL COMPLIANCE:

All permits, if needed, will be secured before construction of the project begins.

COMMITTEE STATUS:

This item was reviewed by the COMB Board Fisheries Committee on 2/19/13 and has been forwarded to the Board with a recommendation to approve.

RECOMMENDATION:

Approve Resolution No. 561 to enter into the Fish America Foundation Grant Agreement FAF-12040.

LIST OF EXHIBITS:

- A. Project Description
- B. Fish America Foundation Grant Agreement FAF-12040
- C. Resolution No. 561

Exhibit A - Project Description

Cattle Exclusionary Fencing on Lower Salsipuedes Creek

Project Description and Need Narrative

1. Salsipuedes Creek joins the Santa Ynez River approximately ten miles upstream from the Pacific Ocean (Figure 1). The creek and its tributaries, including El Jaro Creek, comprise the largest stream system on the lower Santa Ynez River (LSYR), providing 27 miles of stream habitat in the western Santa Ynez Mountains and Santa Rosa Hills. The watershed of 52 square miles is hilly rangeland composed of oak woodland, chaparral, and grassland, with limited agriculture along the valley bottoms. Salsipuedes Creek and its primary tributary El Jaro Creek were designated by the National Oceanic and Atmospheric Administration (NOAA) as critical habitat for endangered southern steelhead, *Oncorhynchus mykiss* (*O. mykiss*), owing to their historic and high quality spawning and rearing habitat, perennial flow, and close proximity to the Pacific Ocean (NOAA, 2005). Stoecker (2004) and Becker et al. (2010) also identified the high quality habitat within Salsipuedes Creek and its priority for near-term steelhead recovery efforts within the regionally significant Santa Ynez River system, a Core I watershed designated by the National Marine Fisheries Service (NMFS) in their Southern California Steelhead Recovery Plan (NMFS, 2012).

The LSYR runs 49 miles from the ocean to Lake Cachuma, formed by Bradbury Dam (the Cachuma Project). In 2000, NMFS issued a Biological Opinion to the U.S. Bureau of Reclamation (USBR) outlining reasonable and prudent measures to minimize impacts of the Cachuma Project to steelhead. The Cachuma Operation and Maintenance Board (COMB) operates the LSYR Fisheries Monitoring and Restoration Program on behalf of the USBR. Since 1993, biologists with the Cachuma Project have monitored a persistent population of *O. mykiss* in the Salsipuedes Creek system (COMB, 2012, NMFS, 2000; USBR, 2012).

To access the upper Salsipuedes/El Jaro system, steelhead must migrate through lower Salsipuedes Creek, much of which has been severely degraded by cattle. The lower Salsipuedes runs through Rancho Salsipuedes for 2.5 stream miles, from the Highway 1 Bridge to the Santa Rosa Road Bridge (Figure 2), before continuing another 0.6 stream miles to its confluence with the LSYR. Through the ranch, the creek incises a loosely consolidated floodplain, creating steep banks up to 30 feet high and an irregular riparian canopy. Cattle access unfenced sections of the creek from the rangeland to the east and then move laterally up and down the stream corridor, denuding riparian vegetation and causing erosion, increasing sedimentation and turbidity, and generally reducing water quality, including elevated stream water temperatures. These effects, which are detrimental to steelhead, can be eliminated by filling critical gaps in exclusionary cattle fencing along the top of the banks (Figure 2) and keeping cattle out of the riparian corridor. To offset current watering by livestock in the creek, three watering sites, set away from the creek channel and banks, will also need to be installed. These three off-channel watering systems will be metal troughs with shutoff floats to conserve water. The water will come from the creek with solar powered pumps; specifics will be determined upon project implementation. Should this

setup be found inappropriate upon project implementation, an alternative will be considered to drill shallow wells instead of extracting water directly from the creek.

This project will improve habitat and water quality for southern steelhead along most of lower Salsipuedes Creek. In the near-term, excluding cattle will reduce sedimentation, turbidity and nutrient loads in the creek. Over a longer period, recovery of riparian vegetation will increase shade, resulting in cooler water temperatures and greater protection for *O. mykiss* from avian predators. Anticipated long-term ecological benefits include increased survivorship of juvenile steelhead in lower Salsipuedes Creek, and improved spawning and rearing habitat, both of which will contribute to steelhead recovery within the Salsipuedes Creek drainage and greater LSYR system.

The total project cost is estimated to be \$33,138. The project proponent will conduct all of the administration, short- and long-term biological monitoring and reporting for the project at a total of \$16,703. The requested amount from FAF-NOAA is \$16,435 which will be dedicated exclusively to on-the-ground tasks. See Table 1 for a detailed description of project costs as well as the Budget Narrative.

2. For the current project, COMB biologists have identified six sections, totaling nearly 16 acres, of riparian zone and creek channel impacted by cattle (Figure 2). This project proposes to install and maintain (1) fencing along nine sections of the eastern side of the creek to exclude cattle from the impacted areas, and (2) off-channel watering sites for the cattle. By installing that line of fencing on the east side of the creek, the west side will not be accessible by cattle. Approximately 3,000 feet of new or repaired fencing would be required, along with three watering sites fed with solar-powered pumps, to keep cattle out of the impacted riparian corridor. Professional contractors will install the fencing, water troughs and solar pumping systems, with assistance from COMB personnel. The small diameter pipes going into the stream for water extraction will be fully screened at a mesh sized approved by CDFG and NMFS and the locations will be carefully selected and installed to not have species impingement or impact of any type. Portable fencing (stored on site) will be used as needed to (1) provide temporary fixes to permanent fencing, (2) block new cattle trails, and (3) help provide temporary access points for the cattle to the creek if water pumping becomes interrupted for prolonged periods. COMB will manage and administer the project, and conduct biological and water quality monitoring as described in Section 6 below.

3. Based on information obtained from Central Coast Information Center (University of California, Santa Barbara), no historic structures or archeological sites have been recorded from the project area (Gill, 2012). In any case, installation of new fencing will have minimal direct impacts on the ground and should help protect any undiscovered archeological sites by resulting in reduced trampling and erosion of stream banks along the lower Salsipuedes.

4. The project area is all riparian zone and rangeland, with no other environmental concerns. The project itself will improve water quality in Salsipuedes Creek, and will also promote recovery of the riparian zone, with benefits to ground water recharge and native wildlife, including endangered and threatened species such as the California Red-legged Frog (*Rana draytonii*), Western Pond Turtle (*Actinemys marmorata*), Two-striped Garter Snake (*Thamnophis hammondi*), Least Bell's Vireo (*Vireo bellii pusillus*), and Southwestern Willow Flycatcher (*Empidonax traillii extimus*).

5. Not applicable.

6a. Project monitoring: COMB conducts a long-term steelhead/rainbow trout monitoring program that started in 1993 (NMFS, 2000). This includes snorkel surveys, redd surveys, migrant trapping, habitat mapping and monitoring water quality and stream discharge. On lower Salsipuedes Creek, snorkel surveys are conducted three times a year at the end of the spring, summer and fall. Monthly redd surveys are conducted within the Salsipuedes Creek watershed during the steelhead spawning season (January-May), and migrant trapping is conducted during the spawning season at the lower end of the project site. To evaluate the performance of the project, this monitoring will be continued for two years following installation of the fencing and water troughs. Additionally, in the month before the installations, COMB will set up fixed photo points of sections of the creek impacted by cattle in order to document recovery of the stream channel and riparian corridor. Following installation of the fencing, these points will be photographed twice per year for two years. COMB will also conduct in-stream habitat mapping of the entire project area once per year for two years, comparing changes in habitat against current and previous year conditions.

COMB biologists will conduct water quality monitoring three times per year, using multi-parameter sonde deployments to measure turbidity, total dissolved solids, temperature, dissolved oxygen, pH, and specific conductivity. These variables will be measured during the dry season (May to Oct), so as to avoid highly variable run-off during the rainy season, and will be compared to pre-project measurements made in September, 2012. At the same time, COMB biologists will walk the length of the project area to record the number of active cattle access trails and the number of cattle in the creek.

COMB biologists will interview the rancher once per year to assess the effects on the cattle of being excluded from the creek and its riparian zone from the perspective of the leasee. This will include a pre-installation interview.

COMB is well positioned to track performance of the project over the short- and long-term at no cost to the grant. COMB has completed over ten fish passage projects within the LSYR basin, including four on Salsipuedes Creek and its tributaries, and has an excellent track record for construction, maintenance, and monitoring of all of their projects.

6b. Project maintenance: COMB personnel will conduct maintenance of fencing and off-channel watering systems, including pumping stream intakes.

7 & 8. COMB, on behalf of the USBR, runs the Lower Santa Ynez River Fisheries Monitoring and Restoration Program. Part of COMB's mission is to improve steelhead habitat in areas identified by NMFS as critical habitat for this species. The proposed fencing project will complement five significant fish passage and bank stabilization projects that COMB (in cooperation with Fish America Foundation, the California Coastal Conservancy, California Department of Fish and Game, and local landowners) has already completed in the Salsipuedes Creek system, (e.g., Jalama Road bridge fish passage project, <http://fmp.cachuma-board.org/fmp/assets/images/homepage/sc-jrbfpep.jpg>). The Rancho Salsipuedes fencing project will increase the percentage of quality habitat available to steelhead trout in the Salsipuedes/El Jaro Creeks system and thereby contribute to the recovery of southern steelhead in the LSYR. The letter of approval/cooperation required for this project from the private landowner is forthcoming.

9. Community outreach: As with its other habitat restoration projects, COMB will produce and distribute a newsletter, with before and after photographs, describing the importance of the Salsipuedes Creek fencing project. Following completion of the project, COMB biologists will hold at the project site a workshop for area ranchers and private landowners, describing the benefits of stream and fish habitat recovery on private land in general and from the lower Salsipuedes fencing project in particular. Santa Barbara County does not mandate grazing setbacks from creeks on private property, and we envision this fencing project serving as a demonstration of a "best management practice," with environmental benefits to aquatic and riparian species, as well as to ranchers and private landowners.

10. This project will assist recovery of endangered southern steelhead in the LSYR, historically known for its steelhead population and large run size.

References

Becker, G.S., K.M. Smetak, and D.A. Asbury. 2010. Southern Steelhead Resources Evaluation: Identifying Promising Locations for Steelhead Restoration in Watersheds South of the Golden Gate. Cartography by D.A. Asbury. Center for Ecosystem Management and Restoration. Oakland, CA.

COMB. 2012. 2009 Annual Monitoring Report and Trend Analysis. Prepared by the Cachuma Operation and Maintenance Board on behalf of the US Bureau of Reclamation for the National Marine Fisheries Service.

Gill, Kristina. 2012. Personal communication on 4/27/12. Central Coast Information Center, University of California, Santa Barbara.

NMFS. 2000. Cachuma Project Biological Opinion, U.S. Bureau of Reclamation operation and maintenance of the Cachuma Project on the Santa Ynez River in Santa Barbara County, California. National Marine Fisheries Service, Southwest Region.

NOAA. 2005. Endangered and threatened species: designation of critical habitat for seven Evolutionarily Significant Units of Pacific Salmon and Steelhead in California. Federal register 70FR52488 – 52627. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA), <http://www.nwr.noaa.gov/Publications/FR-Notices/2005/loader.cfm?csModule=security/getfile&pageid=33713>

NMFS. 2012. Final Southern California Steelhead Recovery Plan. National Marine Fisheries Service.

Stoecker, M. W. 2004. Steelhead migration barrier inventory and recovery opportunities for the Santa Ynez River. California Coastal Salmon Recovery Program, Pacific States Marine Fisheries Commission, California Department of Fish and Game, National Marine Fisheries Service.

USBR. 2012. 2009 Annual Monitoring report and trend analysis. For: The Biological Opinion for the operation and maintenance of the Cachuma Project on the Santa Ynez River in Santa Barbara County, California

Table 1: Detailed budget, showing total project expenditures for requested and cost share amounts.

Description	Units	Unit Cost	No. of Units Requested	No. of Units Cost Share	Amount Requested (CDFG)	Amount of Cost Share (COMB)	Total Project Cost
A. PERSONNEL SERVICES (COMB)							
Project management	hours	\$100	0	14	\$0	\$1,400	\$1,400
Administration	hours	\$60	0	10	\$0	\$600	\$600
Biological monitoring	hours	\$45	0	130	\$0	\$5,850	\$5,850
Fence installation assistance and maintenance	hours	\$45	0	24	\$0	\$1,080	\$1,080
Personnel Services Sub-Total:					\$0	\$8,930	\$8,930
Staff Benefits @ 34%					\$0	\$3,036	\$3,036
Total Personnel Services (COMB):					\$0	\$11,966	\$11,966
B. OPERATING EXPENSES							
TRAVEL							
Travel to project site (100 miles per round trip)	miles	\$0.555	0	5300	\$0	\$2,942	\$2,942
Travel Subtotal:					\$0	\$2,942	\$2,942
SUPPLIES & MATERIALS							
<i>PERMANENT FENCING INSTALLATION</i>							
Posts, Wire, Gates	lump sum	\$3,750	1	0	\$3,750	\$0	\$3,750
<i>REPAIR TO EXISTING FENCING</i>							
Posts, Wire, Gates	lump sum	\$125	1	0	\$125	\$0	\$125
<i>PORTABLE FENCING</i>							
12-foot Fencing Panels and clamps	lump sum	\$156	10	0	\$1,560	\$0	\$1,560
<i>OFF-CHANNEL WATERING SYSTEMS</i>							
Solar pump system	lump sum	\$2,000	3	0	\$6,000	\$0	\$6,000
Supplies & Materials Subtotal:					\$11,435	\$0	\$11,435
CONTRACTED SERVICES							
Permit fees (CDFG-1600 and SB County)	lump sum	\$1,000	1	0	\$1,000	\$0	\$1,000
<i>PERMANENT FENCING INSTALLATION</i>							
Fencing Professionals Labor	hours	\$50	48	0	\$2,400	\$0	\$2,400
<i>REPAIR TO EXISTING FENCING</i>							
Fencing Professionals Labor	hours	\$50	8	0	\$400	\$0	\$400
<i>PORTABLE FENCING</i>							
Farm Supply Labor	hours	\$50	8	0	\$400	\$0	\$400
<i>OFF-CHANNEL WATERING SYSTEMS</i>							
Solar-irrigation Professionals Labor	hours	\$50	16	0	\$800	\$0	\$800
Contracted Services Subtotal:					\$5,000	\$0	\$5,000
Total Operating Expenses:					\$16,435	\$2,942	\$19,377
C. SUBTOTALS & ADMINISTRATIVE							
Subtotal A + B (Personnel + Operating)					\$16,435	\$14,908	\$31,343
Administrative Overhead @ 15 % (Personnel only lump sum)					\$0	\$1,795	\$1,795
D. GRAND TOTAL:					\$16,435	\$16,703	\$33,138
SOFT COST SHARE PERCENTAGE		41.5%					
HARD COST SHARE PERCENTAGE		8.9%					
SOURCE AND AMOUNT OF COST SHARE		Applicant =		\$16,703			
		Requested		\$16,435			

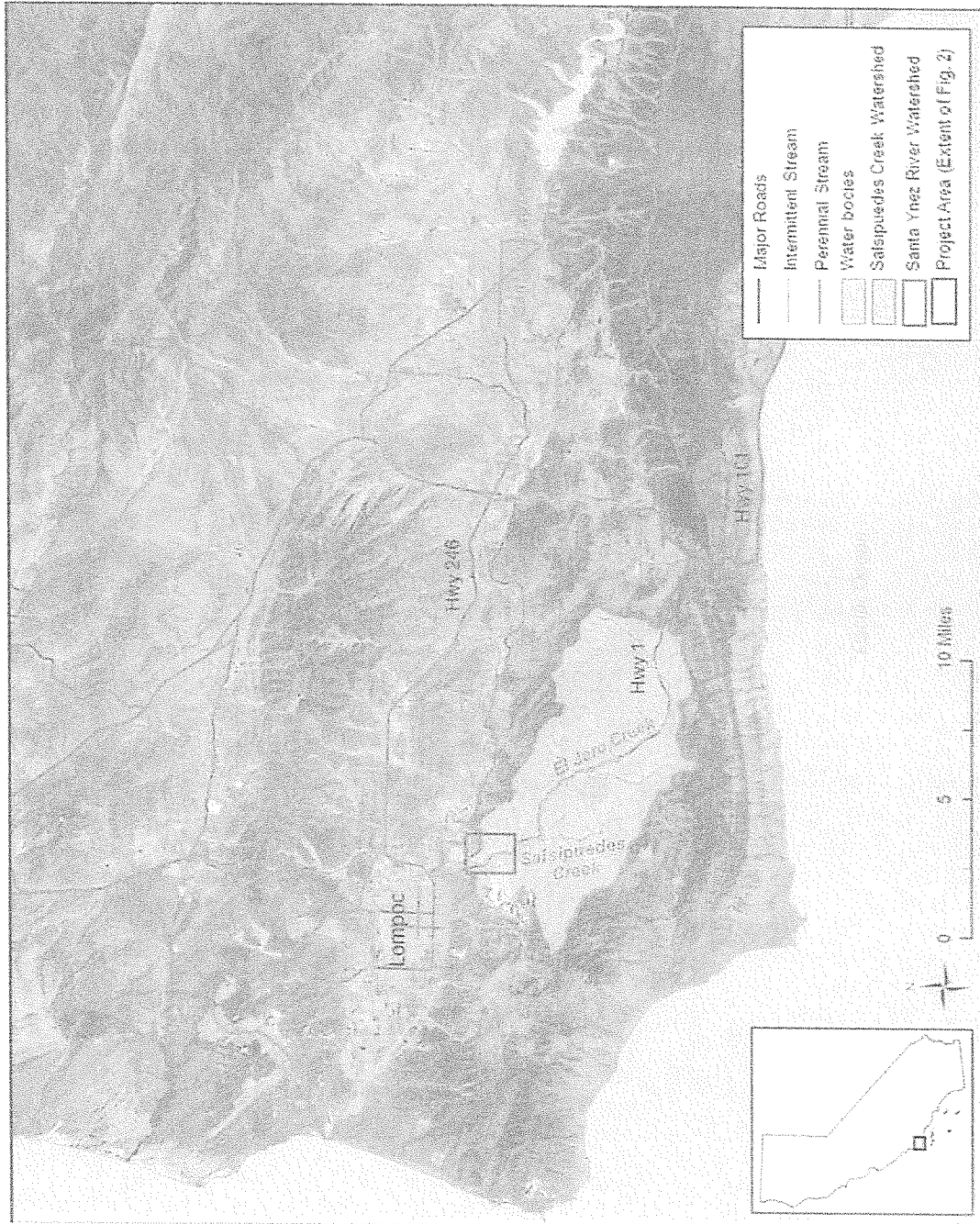


Figure 1: Map of the lower Santa Ynez River, highlighting the watershed of Salspuedes Creek.

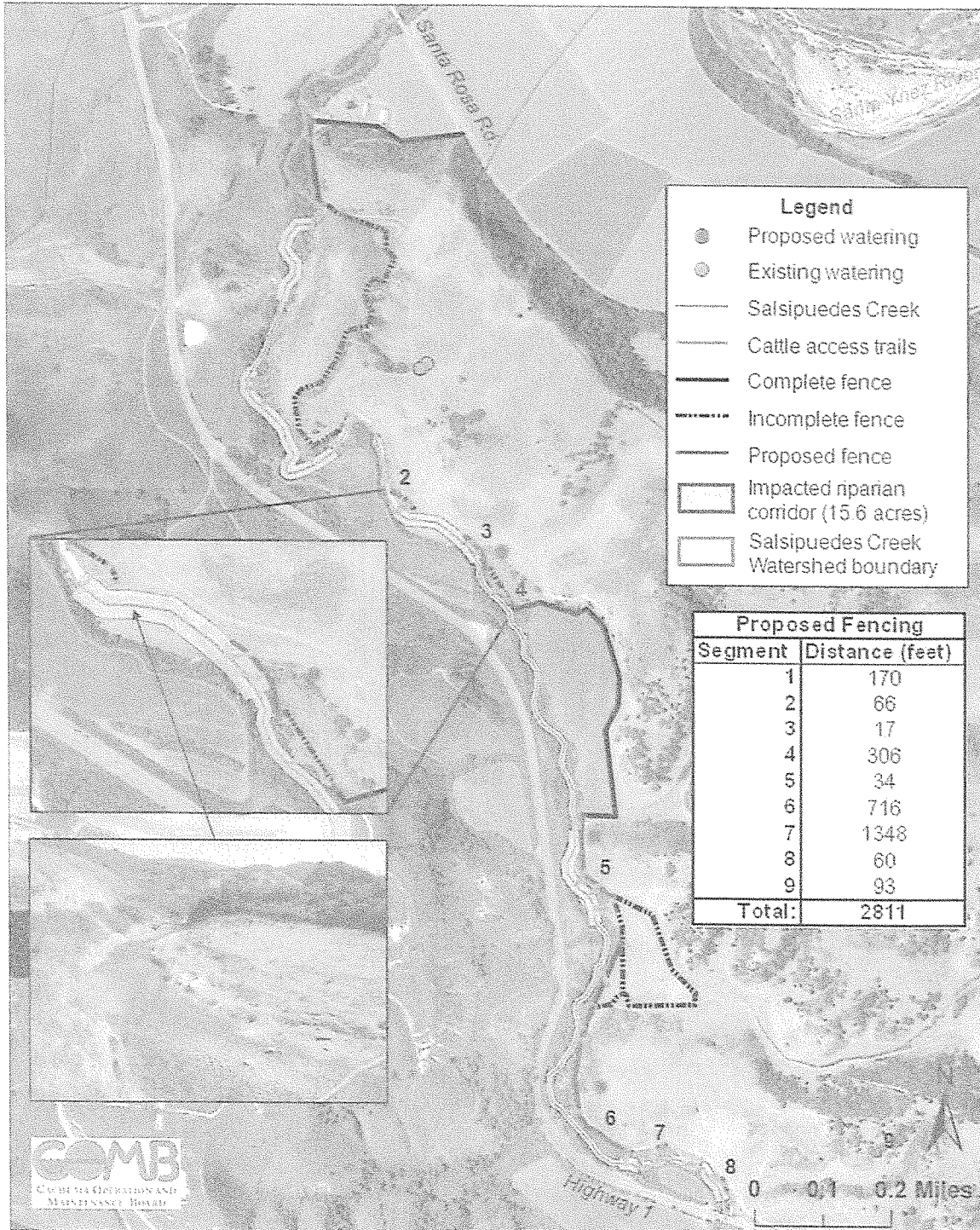


Figure 2: Project area, showing sections of Salsipuedes Creek impacted by cattle, existing fencing, proposed new fencing and new off-channel watering sites. Insets show a section of the creek trampled by cattle and denuded of riparian vegetation (western bank looking upstream).

Exhibit B - Fish America Foundation Grant Agreement FAF-12040

FISHAMERICA FOUNDATION GRANT RECIPIENT AGREEMENT

Please read the Grant Recipient Agreement and the Conditions of the Grant carefully before initialing and signing. The grant recipient must initial and sign this agreement and return it to FishAmerica Foundation no later than **March 28, 2013**.

Acceptance of the grant agreement from the FishAmerica Foundation requires the grant recipient to abide by the following requirements:

APPROVED BUDGET

In return for project support approved by the FishAmerica Foundation (herein after referred to as "FAF") in the amount of **\$16,435, to Cachuma Operation and Maintenance Board**, (herein after referred to as the "grant recipient") agrees to apply the grant monies to support the **Cattle Exclusionary Fencing On Lower Salsipuedes Creek** (FAF-12040) to (1) install exclusionary fencing and off-channel watering sites to improve water quality and allow recovery of the riparian corridor and (2) serve as a regional demonstration of the benefits of excluding livestock from fish habitat.

Line Item	NOAA/FAF Funds Requested	Matching Contributions
Personnel		\$11,966
Fringe		
Travel		\$2,942
Equipment		
Supplies	\$11,435	
Contractual	\$5,000	
Other		\$1,795
Indirect		
TOTAL	\$16,435	\$16,703

The Original grant proposal submitted on **May 03, 2012** and the final budget submitted on **August 31, 2012**, and are now part of this contract.

Any and all changes made to the approved budget, timeline or other proposed project activities must receive prior approval from FAF. Failure to receive prior approval may affect the funds associated with this grant award. You must submit the request for changes in separate correspondence to FAF.

FUNDING DETAILS AND DISBURSEMENT

The FishAmerica Foundation and the NOAA Restoration Center are providing the funding under this agreement and should be recognized in any publicity regarding this project. All the funds

_____ Please initial here indicating you have read and understood the above page.

supplied under this agreement are considered federal dollars and cannot be used to match federal funding programs in which the grant recipient may be participating. The grant recipient must comply with all federal, state, and local permits and regulations and may not earn more than a total of \$250 in interest on any and all grants funded with federal money.

The grants funds will be placed in an account specifically for the project. Once the project is complete, your request for reimbursement must be accompanied with the submission of your final report, copies of the deliverables as outlined below, and any required supporting documentation. You may request reimbursement for up to **\$16,435** to cover the cost of funded expenses for the project as outlined in this Grant Recipient Agreement.

Please note, no funds will be released until the FAF has received the signed grant recipient agreement, copies of all required federal, state, and local permits/approvals/clearances, a copy of the landowner agreement, and the project is NEPA compliant.

You are obligated to provide at least **\$16,703** in non-federal match, as indicated in your Pre-Project Match Letter dated September 12, 2012, for the funds supplied under this agreement. Your Pre-Project Match Letter is now part of this contract. You must keep careful financial records of your match and submit a post-project match letter with supporting documentation to FAF with the final project report.

Reimbursement of approved project expenses as noted in this Grant Recipient Agreement can take up to 45 days to process and mail.

AGREEMENT PERIOD

You may not begin expending funds to be reimbursed under your Grant Recipient Agreement until you have received the executed contract from FishAmerica. Approved project funds expended prior to FAF executing the contract or after the project completion date are not eligible for reimbursement. Reimbursement of approved project expenses, as noted in the Grant Recipient Agreement, can take up to 45 days to process and mail.

Agreement Start Date: March 28, 2013.

Agreement End Date: December 31, 2013.

REPORTING SCHEDULE

The final report is due by **February 15, 2014**, and within 45 days of the actual project completion date.

GUIDELINES FOR SUBMISSION OF REPORTS

The grant recipient will complete the 2012 FishAmerica and NOAA Restoration Center Reporting Requirements for Grants for the interim and final reports. In addition to this report, you will be required to submit the following:

1. Copies of receipts for FAF approved expenses and timesheets and financial ledgers for salaries/benefits;
2. Copies of all required federal, state, and local permits, clearances and/or approvals;
3. Copy of Landowner agreement;

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4. High resolution project photographs on CD (before, during, and after)
5. Post-project match letter with supporting documentation
6. Copies of any original publications directly resulting from the grant.

In order to request reimbursement from FAF, you must also submit an invoice requesting funds from FAF as indicated in the final Details and Disbursement section of this grant agreement.

PUBLICITY

The grant recipient may publicly announce receipt of this grant. All materials intended for public dissemination relating to this grant should give credit to the FAF and the NOAA Restoration Center and all listed contributing partners as appropriate. Copies of all press releases and news articles will be made available to FAF. Whenever possible, a sign referencing FAF and the NOAA Restoration Center support will be installed on or near the project site.

EVALUATION OF THE GRANT

At its own expense, FAF may monitor and conduct an evaluation of operations under this grant. Evaluation may include visits to the grant recipient by representatives of FAF in order to observe and discuss the funded program and to review the fiscal accounting records of the project. FAF requests a minimum 45-day notification prior to the beginning of construction activities in the event FAF would like to schedule site visits.

CONDITIONS OF THE GRANT

The laws of the United States place certain restrictions on the manner in which funds awarded to organizations by charitable trusts and foundations may be expended. For instance, funds may not be used for any political activities or any purposes prohibited by the Internal Revenue Code. The grant monies approved for your project may only be used for the purpose(s) stated in the Grant Recipient Agreement. Funds may not be expended for any other purpose without the prior written approval of FAF. Funds may not be used in "for profit" commercial ventures.

LIABILITY

In making this grant, FAF and their partners assume no liability for injuries or loss to the person(s) or property resulting from grant recipient's negligence under this grant. The grantee will hold FAF harmless and indemnify from any claims or litigation arising from the grantees performance of the project.

PATENTS AND COPYRIGHT

The grant recipient has the right to obtain patents and copyrights on any work produced under this grant. The grant recipient agrees to provide FAF a non-exclusive, royalty-free license to utilize and publish for non-commercial purposes any and all works produced under this grant

RELATIONSHIP OF THE PARTIES

The grant recipient acknowledges that it is not an agent, employee, or joint venture of FAF in this undertaking. The grant recipient is responsible for obtaining any required federal, state or local licenses, permits or other approvals required for the project and for management, oversight and completion of the project. The sole undertaking of FAF is to provide grant funds based on the representations of the grant recipient and pursuant to the conditions and as described herein.

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Exhibit C – Resolution 561

RESOLUTION NO. 561

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE
CACHUMA OPERATION AND MAINTENANCE BOARD
TO APPROVE A GRANT AGREEMENT WITH FISHAMERICA FOUNDATION FOR
CATTLE EXCLUSIONARY FENCING ON LOWER SALSIPUEDES CREEK**

RECITALS

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

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

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

WHEREAS, the proposed Cattle Exclusionary Fencing Project on lower Salsipuedes Creek, a tributary to the Lower Santa Ynez River, will provide improved habitat conditions for steelhead/rainbow trout for spawning and rearing on that property; and

WHEREAS, the FishAmerica Foundation (FAF) authorized disbursement of up to \$16,435 to COMB for exclusionary fencing and off-channel watering at the project site (APNs 083-070-023, 083-070-022, and 083-130-019) ; and

WHEREAS, COMB has prepared a detailed project description with the specific tasks to be performed, a schedule of completion, and a detailed budget that will be used for selection of a construction contractor for the project.

NOW, THEREFORE, BE IT RESOLVED:

1. The Board of Directors of COMB supports the Cattle Exclusionary Fencing Project on lower Salsipuedes Creek that will improve steelhead/rainbow trout spawning and rearing habitat as part of the steelhead restoration effort in the lower Santa Ynez River.

2. The Board of Directors of COMB approves entering into an agreement with the FishAmerican Foundation (agreement FAF-12040) for the purpose of implementing the project in accordance with this agreement.
3. The Interim General Manager/Secretary of COMB is authorized to execute this agreement and approve its terms and conditions on behalf of COMB, and to contract for such services as may be required to carry out the project using the approved funds.
4. This Resolution shall take effect immediately.

I certify that the foregoing Resolution No. 561 was adopted by a vote of the Board of Directors of COMB on March 25, 2013, as set forth below.

AYES:

NAYES:

ABSENT/ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Interim General Manager/Secretary

**CACHUMA OPERATION & MAINTENANCE BOARD
Ad Hoc Lake Cachuma Oak Tree Committee Meeting**

To be held at
Bradbury Dam Vista Point

**Wednesday, March 20, 2013
3:00 p.m.**

AGENDA

1. Call to Order
2. Visit Three Oak Tree Planting Sites and Review Maintenance Procedures
3. Adjourn

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



Mission Statement:

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

March 25, 2013

Interim General Manager Report

Cachuma Project Warren Act Trust Fund / Cachuma Project Master Contract Renewal Fund / Betterment Fund Discussion

The annual meeting regarding the Cachuma Project Warren Act Trust Fund, the Master Contract Renewal Fund and the Betterment Fund discussion will be noticed and is scheduled for April 3, 2013. Prior to the meeting, the Draft Long-Term Plan and Annual Work Plan will be sent to all stakeholders for review and comments. At the February 25, 2013 Board meeting, the COMB Board took separate action on approving a representative to the Trust Fund Committee and for the Renewal Fund discussion. The Interim General Manager was approved to be the representative for the Trust Fund Committee; and also approved the Interim General Manager to be the interim representative for the Renewal Fund discussion for this fiscal year. The suggestion was made by Director Beebe for the respective Member Units to consider and approve the Plan at their April Board/Council meetings following the April 3rd meeting. The process for selection of the Member Unit representative to discuss the Renewal Fund expenditures coordinated with the Trust Fund Committee is currently being reviewed by COMB General Counsel. This item will come back to the COMB Board at a future meeting.

FY 2013/14 Draft Budget Development

The FY 2013/14 Draft Budget is in the process of development and will be presented to the Member Unit General Managers for review and comment during the next few weeks. After consideration and input by the General Managers, the Draft Budget will be presented to the Administrative Committee for their review before coming to the Board for approval.

Unexpended Assessments FYE 2012

In the process of finalizing the reconciliation of unexpended assessments from fiscal year ending 2012, credit memos, if applicable, will be issued to the Member Units adjusting the current fourth quarter budget assessments. Since the MURRP project crossed two fiscal years and was crafted with such an unusual approach to funding, it is imperative that the reconciliation is accurately calculated in order to prevent a shortfall of assessments during this fiscal year.

Operations Division Work Plan – 4th Quarter 2013

Attached for your information is the Draft Operations Division Work Plan developed for the purpose of providing a framework of required activities to be performed by the Operations Field Crew during the 4th Quarter of FY 2013. This document provides information on the description of work, constraints associated and resources required to perform the work, along with scheduled manpower and cost details. A quarterly summary of costs necessary to perform the work is also included in the plan. My objective was to provide the Board with a written document (mini version of annual work plan) describing the work activities that will take place during this time period (April - June 2013).

*City of Santa Barbara • Goleta Water District • Montecito Water District
Carpinteria Valley Water District • Santa Ynez River Water Conservation District, Improvement District #1
Interim General Manager, Janet L. Gingras, M.B.A.*

Interim General Manager Report
March 25, 2013
Page 2

This exercise in creating the 4th Quarter Work Plan also provides the foundation for the draft Annual Work Plan (Plan) currently being developed which will include the Fisheries Division. Once compiled, this will be presented to the Member Unit General Managers for review and comment. The Plan will then be considered by the Operations and Fisheries Division Committees prior to Board presentation.

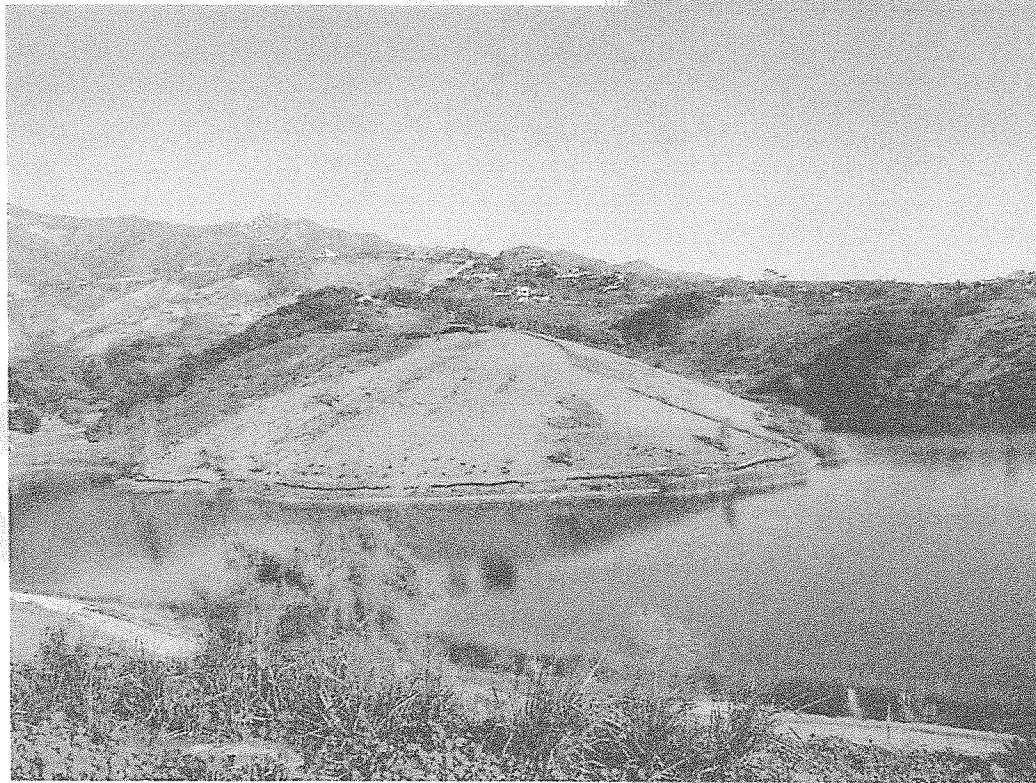
Respectfully Submitted,

A handwritten signature in cursive script, appearing to read "Janet Gingras".

Janet Gingras
Interim General Manager

2013

4th Quarter Work Plan



Operations Division



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Cachuma Operation & Maintenance Board

Work Plan

4th Quarter 2013

Operations Division

Purpose

The purpose of this work plan is to provide a framework for implementation of the U. S. Bureau of Reclamations' (Reclamation) Standing Operating Procedures (SOP) and serve as a guide for carrying out the activities of the Cachuma Operation & Maintenance Board operations field crew for the final quarter of fiscal year 2013. The commitment to follow this written plan will be measured by the extent to which the work is completed and will assist in evaluating the methods employed and resources utilized to perform the work. This plan contains a description of work to be performed, constraints defined and resources utilized, a schedule of personnel hours required, materials and products used as well as the affiliated budget totals. This plan was developed and outlined according to geographical area locations of the Cachuma Project conveyance system commencing with the upper reach extending through the lower reach of the system.

Background

The U.S. Bureau of Reclamation constructed the Cachuma Project for diversion, storage, carriage, and distribution of waters of the Santa Ynez River and its tributaries for irrigation, municipal, industrial, domestic, and other beneficial uses. On February 26, 1956, Reclamation and the Cachuma Operation and Maintenance Board (COMB) first entered into Contract No. 14-06-200-5222 (O & M Contract) which provides for the transfer of operation and maintenance of the Transferred Project Works to the Member Units. The Transferred Project Works shall mean those facilities, appurtenances, and property consisting of the Tecolote Tunnel and the South Coast Conduit System; related in-line control facilities, turnouts, and measuring devices; equalizing reservoirs (Glen Anne, Lauro, Ortega, and Carpinteria), associated water level control devices, and water level recording instruments and appurtenant structures. COMB, without expense to the United States, is obligated to care for, operate, and maintain such Transferred Project Works in full compliance with the terms of the contract and in such a manner that the Transferred Project Works remain in good and efficient condition. Reclamation performs Comprehensive (CFR) and Periodic Facility Reviews (PFR) to establish recommendations for correcting reported deficiencies in the Cachuma Project facilities. Some of the recommendations included in this plan have been carried over from previous inspections performed by Reclamation. Reclamation classifies recommendations into three categories; Category 1, Category 2 and Category 3. Category 1 involves immediate and responsive action; Category 2 indicates attention needed to prevent further facility damage or operational failure; and Category 3 is suggested to improve or enhance facilities.

Note: Labor costs include wages and benefits

Daily Operations

1. SCC operation flow changes, report measurements to Reclamation , address USA Dig Alerts, document duties completed

Description- Monitor SCC flows during and after hours with SCADA, make flow changes, call Reclamation with daily usage by 8am, address after hours issues, monitor and respond to USA Dig Alerts for any construction near the SCC, respond to conflicts, and talk with contractor at project sites. COMB on-call operator is available 24 hours a day, seven days a week, to evaluate and respond to any unusual circumstance that may occur.

Constraints - Site visits required by USA Dig Alerts might limit scheduled maintenance items

Resources - Field Mapplet, marking chalk, measuring tape, COMB record Drawings

Schedule - 1 Water Service Worker (WSW) - 1 hour average - plus one hour overtime for on-call duties

<u>Budget</u>	Labor	\$118.63
	Resources	N/A
	Mileage	N/A
	Daily Total	\$118.63

NORTH PORTAL

Monthly

1. Lake Cachuma water samples

Description - The water quality report is distributed to the Member Unit water districts regarding the quality of water drawn from various elevations at Lake Cachuma. The report also indicates the water quality and Lake elevation for determining which gate will be used to draw water at the intake tower. COMB staff takes water samples at various levels including the Lake surface, Gate two, Gate three, and Gate four. These sample record temperature, dissolved oxygen, and Ph levels.

Constraints - Water samples taken at Lake Cachuma are immediately dropped off at the El Estero Wastewater Treatment Plant. Due to El Estero's water quality testing machine restrictions, COMB must deliver the samples before 12 PM on the day of sampling.

Resources - Sample Bottles are delivered from the lab, water sampler, hoisting cable, DO/Ph meter is borrowed from the lab, truck

Schedule – 1 WSW - 3 hours total

<u>Budget</u>	Labor	\$142.33
	Resources	\$45.00
	Mileage- 42.5 mi	\$24.01
	Monthly Total	\$211.34

2. Republic Elevator, Inc. inspection of North Portal elevator

Description - Republic Elevator performs a monthly inspection on the North Portal elevator which includes the general mechanics of the unit.

Constraints - Republic Elevator schedules a monthly service.

Resources - N/A

Schedule - N/A

<u>Budget</u>	Contract Labor	\$278.12
	Monthly Total	\$278.12

3. Operate generator at North Portal

Description - COMB staff operates the generator and checks the fuel level to ensure reliability of the generator. For efficiency, the generator at the North Portal is operated at the same time as the fish screen cleaning process is taking place.

Constraints - N/A

Resources – 1 WSW, diesel fuel - .5 gallon

Schedule - Completed during the fish screen cleaning process

<u>Budget</u>	Labor	N/A
	Resources	Negligible
	Mileage	N/A
	Monthly Total	N/A

4. Intake Tower slide gates exercised, fish screen cleaning, Quagga mussel inspection

Description - Four fish screens are used to prevent fish and moss from entering the intake tower of the Tecolote Tunnel. The screens are normally in place over the tower openings with the exception of when they are being cleaned. The screens must be lowered and raised only when the slide gates are closed. Screen five is silted in and COMB is unable to raise this screen. Screen one has been removed for repairs. The screens are lowered and raised by using a 2-ton trolley hoist. All grates covering the screen slots must be kept in place except during periods when the screens are being raised or lowered. Screens two, three, and four are raised individually then inspected and cleaned. Once a screen is raised onto the

deck, staff conducts a visual and tactile search for Zebra and Quagga Mussels by gently running their fingers over the smooth surfaces checking for gritty feeling or small seed-like objects. Staff documents a written record of the inspection each month. After the inspection, a pump is utilized to furnish 100 psi of pressure to a tap located on the intake tower deck. The screens are washed by passing the high pressure water through the inside of the screens.

Constraints - The Lifting Bridle that is attached to the hoist which is used to lift the fish screens for cleaning does not lift the screens high enough to move the screens onto the deck.

Resources - Hoist on deck, bridle, electric drill for opening and closing the gates, water pump, fire hose, truck

Schedule - 2 WSW's - 4 hours each = 8 hours total

Budget

Labor	\$379.60
Resources	\$149.33
Mileage- 35.3 mi.	\$19.94
Monthly Total	\$548.87

5. North Portal - lubricate gate chamber exhaust fan and motor at Tecolote Tunnel and 30 inch jet flow valve

Description - COMB lubricates the jet flow valve with food grade grease. There are six injection points on the gate slot of the 30" jet flow valve. The exhaust fan uses SAE 30 oil and each reservoir on the blowers is refilled with oil. This ensures the reliability and lubrication of the motor bearings.

Constraints - N/A

Resources - Minimal amount of oil and food grade grease

Schedule – Occurs at the same time as fish screen cleaning process

Budget

Labor	N/A
Resources	N/A
Mileage	N/A
Monthly Total	N/A

Quarterly

6. North Portal weed abatement (spraying, mowing), property/right of way landscaping

Description - COMB is required by Reclamation to control all vegetation within the Cachuma Project facilities and right-of-way access points. This includes dam faces, the perimeter of the reservoirs, and a fire safety perimeter around structures. The objective of weed abatement within COMB managed facilities is to control weed growth, reduce seed sources that may spread, decrease habitat and food for rodents, and increase COMB's ability to observe rodent activity and other damage that may occur. Vegetation is removed manually with mowers and weed removal equipment. All refueling of gas powered equipment follow established best management practices. Once all the vegetation is below six inches, it is then sprayed with Glyphosate (Roundup) except for dam faces where weeds are hand pulled and no herbicides are used. COMB's operation staff is trained and certified by the Pesticide Applicators Professional Association and permitted by the Santa Barbara County Agricultural Commissioner's Office to use Glyphosate. Monthly and annual pesticide usage reports are submitted by COMB to the County Agricultural Commissioner.

Constraints - N/A

Resources - 2 weed wackers, 1 DR Mower, 2 quarts mix fuel, 1 gallon gasoline, Glyphosate, trailer, sprayer, truck

Schedule - 2 WSW's - 10 hours each = 20 hours total

Completed seasonally during early spring and mid-summer

Budget

Labor	\$949.00
Resources	\$850.00
Mileage-35.3 mi.	\$39.88
Quarterly Total	\$1,838.88

7. Exercise 30 inch gate valve and the 30 inch jet flow valve at the North Portal of Tecolote Tunnel

Description - Exercising the valve by Reclamation standards to the fully open position, fully shut, and back to normal operating position. This exercise ensures reliability of the valves. All bronze surfaces are inspected for scaling, remove and lubricate sliding surface of leaf gate Enpro 30" Jet flow gate valve at the Tecolote Tunnel.

Constraints - This requires a minimum of a one and a half hour shutdown, coordination must occur with Goleta Water District. This exercise directly affects the feed to Corona Del Mar Water Treatment Plant.

Resources - Electric valve operator, truck

Schedule - 2 WSW's - 2.5 hours each = 5 hours total

Budget

Labor	\$237.25
Resources	\$37.50
Mileage-35.3 mi.	\$19.94
Quarterly Total	\$294.69

Semi Annual

- Lubricate hoist bearings, and gears with good grade pressure grease, stem threads lubricated with high pressure grease at the Intake Tower

Description - Hoist motor above the intake tower to lubricate and ensure reliability.

Constraints – N/A

Resources - 28 foot ladder, safety harness, and grease

Schedule - 2 WSW's - 2 hours each

Budget

Labor	\$189.80
Resources	\$35.00
Mileage- 35.3 mi.	\$19.94
Semi Annual Total	\$244.74

Annually

- Service stand-by generator at the North Portal

Description - Servicing the standby generator is routine maintenance in order to ensure reliability.

Constraints - COMB staff must schedule around Quinn Service schedule

Resources - COMB meets the mechanic at the North Portal to allow access for servicing, truck

Schedule - 1 WSW - 3 hours

Budget

Labor	\$142.35
Resources	\$45.00
Contract	\$550.00
Mileage-35.3 mi.	\$19.94
Annual Total	\$757.29

10. Load test stand-by generator at North Portal

Description - Load testing the generator assures reliability of the power output.

Constraints - COMB staff must schedule around Quinn Service schedule

Resources - COMB meets the electrician at the North Portal to allow access for servicing, truck

Schedule - 1 WSW - 3.5 hours

Budget

Labor	\$166.08
Resources	\$52.50
Contract	\$550.00
Mileage-35.3 mi.	\$19.94
Annual Total	\$788.52

11. Guides for gate lifting stems cleaned and lubricated with dry graphite compound

Description - Using a Boatswain chair attached to the screen hoist, staff is lowered through the deck to the guide locations where they clean each guide and spray with graphite to ensure reliability when lifting the fish screens.

Constraints - Weather must be calm to perform work

Resources - Graphite spray, wire brush, boatswain chair, life jacket, two trucks

Schedule - 3 WSWs - 8 hours each = 24 hours total

Budget

Labor	\$1,138.80
Resources	\$335.00
Mileage-35.3 mi.	\$19.94
Annual Total	\$1,493.74

12. Annual Intake Tower hoist inspection

Description - All Cal, a mechanical contractor, is hired to perform an inspection and certify that the hoist is in proper working condition.

Constraints - COMB staff must work around All Cal's schedule

Resources - Truck

Schedule - 1 WSW - 2.5 hours - staff must drive to North Portal to allow access and monitor inspection

Budget

Labor	\$118.63
Resources	\$37.50
Contract	\$250.00
Mileage- 35.3 mi.	\$19.94
Annual Total	\$426.07

13. Tecolote Tunnel limitorque type SMC-00 through SMC-2 main gear case and zerk fittings are inspected and lubricated

Description - Lubricate as needed/inspection semi-annual.

Constraints – N/A

Resources - Gear oil

Schedule - 2 WSWs - 1.5 hour each = 3 hours total

Budget

Labor	\$142.35
Resources	N/A
Mileage	N/A
Annual Total	\$142.35

Reclamation Recommendations

14. Install bollards on the parking lot side of the generator set at the North Portal

Description - Install two minimum 6" diameter by 48" tall schedule 40 steel pipe bollards, painted bright yellow, with reflective tape around the top 4 to 6 inches at each corner.

Constraints - N/A

Resources - Bollards, paint, red reflective tape, 60 lb. sack of concrete, cold patch, shovels, digging bar, saw cut, truck

Schedule - 2 WSWs - 4 hours each = 8 hours total

Budget

Labor	\$379.60
Resources	\$560.00
Mileage-35.3 mi.	\$19.94
Total	\$959.54

GLEN ANNE DAM

Weekly

1. Visit Glen Anne Dam site, fill rodent bait stations, complete data pesticide report

Description - The objective for treatment of rodents is to eliminate ground squirrel and gopher activity on dam faces and embankments in reservoir areas, along drainage ditches, and around structures in order to decrease the presence of burrows that could cause erosion and weaken the structural integrity of the dams and embankments. COMB's operation staff is trained and certified by the Pesticide Applicators Professional Association and permitted by the Santa Barbara County Agricultural Commissioner's Office to use rodent bait. Monthly and annual pesticide usage reports are submitted by COMB to the County Agricultural Commissioner for all pesticides used. Toxic Bait P.C.Q. 24 (c) (Indandione) is used in the traps. The bait must be eaten by the predator on five or more successive days with no periods longer than 48 hours between feedings for the bait to be effective. The rodent bait traps are T-shaped and made out of 3-inch diameter PVC pipe which are capped in order to keep rainwater out. Each rodent bait trap is filled with 8 oz. of bait and replaced when levels drop below eight ounces or when the product gets wet. Any bait removed from the trap is disposed of at the hazardous waste site, located on the University of California, Santa Barbara (UCSB) campus.

Constraints - Staff must walk the entire dam face which is steep and labor intensive

Resources - P.C.Q., maintenance of PVC traps, truck

Schedule - 1 WSW - 1.5 hour

Budget

Labor	\$71.18
Resources	\$46.65
Mileage-24.4 mi.	\$13.79
Weekly Total	\$131.62

Monthly

2. Glen Anne Dam inspection and toe drain readings

Description - COMB is required to inspect dam abutments, embankments, and visible portions of the foundation for evidence of seepage, subsidence, springs, and impairment of slope protection. During the inspection they are to prevent erosion of downstream face when necessary by filling gullies with stones. Toe drains were constructed to provide a means for monitoring seepage within the dam. Piezometers are observation wells installed in order to monitor the height of groundwater table within the dam, these wells are monitored monthly by lowering a probe which signals when it has reached groundwater. The distance the probe was lowered is then measured to determine the depth of the groundwater table. There are three piezometers at Glen Anne Dam. Toe drain seepage and piezometer data are recorded on Monthly dam Inspection Report along with the pesticide usage report; data is transmitted to the

Reclamation office by the 10th of each month.

Constraints - Staff must walk the entire dam face which is steep and labor intensive

Resources - Piezometer probe, measuring cup, watch, truck

Schedule - 1 WSW - 2 hours

Budget

Labor	\$94.90
Resources	\$30.00
Mileage-24.4 mi.	\$13.79
Monthly Total	\$138.69

Quarterly

3. Glen Anne weed abatement (spraying, mowing), property/right of way landscaping

Description - COMB is required by Reclamation to control all vegetation within the Cachuma Project Facilities. The objective of weed abatement within the COMB managed facilities is to control weed growth, reduce seed sources that may spread, decrease habitat and food for rodents, and increase COMB's ability to observe rodent activity and other damage that may occur. Vegetation is removed manually with mowers and weed removal equipment. All refueling of gas powered equipment follow established best management practices.

Constraints - Staff must walk the entire dam face which is steep and labor intensive

Resources - Pozi-track mower, DR Mower, two weed wackers, glyphosate, garland, gasoline, diesel, sprayer, two trailers, two trucks

Schedule - 4 WSWs - 40 hours each = 160 hours total

Budget

Labor	\$7,592.00
Resources	\$2,880.00
Mileage- 24.4	\$68.95
Quarterly Total	\$10,540.95

Annually

4. Inspect and remove rocks from stilling basin, chute, and intake structure to spillways at Glen Anne Reservoir

Description - Medium and large rocks do not wash out of the stilling basins, even during large discharges. Instead, they are picked up by the swirling water and pounded against the concrete walls and floor of the stilling basin causing much damage. It is important to see that as few rocks as possible

are in the stilling basins during discharge periods.

Constraints - N/A

Resources - Shovels, truck

Schedule - 2 WSWs - 5 hours each = 10 hours total

Budget

Labor	\$474.50
Resources	\$75.00
Mileage- 22.4 mi.	\$13.79
Annual Total	\$563.29

Reclamation Recommendations

1. Clean and recoat the exterior surface and install new wire mesh screens on the open air vent structure at station 78+00

Description - Remove lid and top section and replace.

Constraints - Structure 78+00 is 30 feet above ground and will require a crane to replace the top of the structure

Resources - Crane, new structure lid/contractor for crane, truck

Schedule - 2 WSWs - 8 hours each = 16 hours total

Budget

Labor	\$759.20
Resources	\$2,120.00
Mileage-24.4 mi.	\$13.79
Total	\$2,892.99

LAURO YARD

Weekly

1. Safety meeting

Description - The purpose of the weekly safety meetings is to continue education of staff on safe practices in the field and on-site. In these safety meetings staff is urged to ask questions about the topic being discussed and share some incidences related to the topic. Discussion includes how the incident could have been prevented. Regular safety meetings help staff to constantly have safety on their mind.

Constraints - N/A

Resources - AWWA book for safety meetings, videos, and webinars

Schedule - 6 WSWs - .5 hour each = 3 hours total

Budget

Labor	\$166.07
Resources	\$25.00
Mileage	N/A
Weekly Total	\$191.07

2. Building maintenance, clean-up shop and trucks

Description - Sweep floors, pick up trash, organize inventory.

Constraints - N/A

Resources - Broom

Schedule - 2 WSWs - 2 hours = 4 hours total

Budget

Labor	\$189.80
Resources	N/A
Mileage	N/A
Weekly Total	\$189.80

3. Weekly reports

Description – Documentation of scheduled and completed work.

Constraints - N/A

Resources - Computer

Schedule - 5 WSWs - .5 hour = 2.5 hours total

Budget

Labor	\$118.63
Resources	N/A
Mileage	N/A
Weekly Total	\$118.63

4. Rodent bait stations - record pesticide data

Description - An electronic form is completed and submitted to the County of Santa Barbara Agricultural Commissioner per COMB's pesticide applicator permit. The county requires a monthly usage report of glysohane, indandione, and garland.

Constraints - N/A

Resources - Monthly data completed

Schedule - 1 WSW - 1 hour

Budget

Labor	\$47.45
Resources	N/A
Mileage	N/A
Weekly Total	\$47.45

Monthly

5. Inspect all fire extinguishers and log inspection

Description - All fire extinguishers are inspected each month to ensure proper operation. COMB owns thirty-five fire extinguishers which are located within COMB offices, outlying facilities and COMB vehicles. This task is completed in conjunction with meter day when staff travels to all facilities to read meters.

Constraints - N/A

Resources - N/A

Schedule - 2 WSWs - 1 hour = 2 hours total

Budget

Labor	\$94.90
Resources	N/A
Mileage	N/A
Monthly Total	\$94.90

6. Operate generator at Lauro Yard

Description - The generator at Lauro Yard is operated under load for eight hours each month to ensure reliability.

Constraints - N/A

Resources - 1 gallon Diesel fuel

Schedule - 1 WSW - .5 hour

Budget

Labor	\$23.73
Resources	N/A
Mileage	N/A
Monthly Total	\$23.73

7. Lauro Yard - Read anodes and record rectifier data

Description - There are two separate anode reading locations for the steel pipe located in Lauro Yard. Staff reads the resistance between the anodes to ground which determines whether the anodes are preventing corrosion. On a quarterly basis, staff transmits the Lauro anode reads to the cathodic protection contractor.

Constraints - N/A

Resources - Anode cable, multi meter, 1-3 gallons of water, and testing wand

Schedule - 1 WSW - 45 minutes

Budget

Labor	\$46.70
Resources	N/A
Mileage	N/A
Monthly Total	\$46.70

Semi-Annual

8. Equipment servicing

Description - All gas powered equipment is serviced to ensure reliability.

Constraints - N/A

Resources - Oil disposal, oil, filters, and spark plugs

Schedule - 1 WSW - 8 hours

Budget

Labor	\$379.60
Resources	\$300.00
Mileage	N/A
Semi-Annual Total	\$679.60

Annually

9. Load test generator at Lauro Yard

Description - Assure the reliability of the power output from the generator.

Constraints - COMB staff must schedule around Quinn Service schedule

Resources - Electrician is shown the location of the generator at Lauro Yard

Schedule - 1 WSW - .5 hour

Budget

Labor	\$23.73
Contract	\$550.00
Mileage	N/A
Annual Total	\$573.73

10. Service generator at Lauro Yard

Description - Servicing the standby generator is routine maintenance to ensure reliability.

Constraints - COMB staff must schedule around Quinn Service schedule

Resources - Mechanic is shown location of generator at Lauro Yard

Schedule - 1 WSW - .5 hour

Budget

Labor	\$23.73
Contract	\$550.00
Mileage	N/A
Annual Total	\$573.73

LAURO DAM

Weekly

5. Visit Lauro Dam site and fill rodent bait stations; record data on pesticide report

Description - The objective for treatment of rodents is to eliminate ground squirrel and gopher activity on dam faces and embankments in reservoir areas, along drainage ditches, and around structures. This activity is performed in order to decrease the presence of burrows that could cause erosion and weaken the structural integrity of the dams and embankments. COMB's operation staff is trained and certified by the Pesticide Applicators Professional Association and permitted by the Santa Barbara County Agricultural Commissioner's Office to apply rodent bait. Monthly and annual pesticide usage reports are submitted by COMB to the County Agricultural Commissioner for all pesticides used. Toxic Bait Indandione (P.C.Q. 24 (c)) is used in the traps. The bait must be eaten by the predator on five or more successive days with no periods longer than 48 hours between feedings for the bait to be effective. The Rodent Bait traps are T-shaped and made out of 3-inch diameter PVC pipe which are capped in order to keep rainwater out. Each Rodent Bait trap is filled with 8 oz. of bait and replaced when levels drop below eight ounces or when the product gets wet. Any bait removed from the trap is disposed of at the hazardous waste site, located on the University of California, Santa Barbara (UCSB) campus.

Constraints - N/A

Resources - P.C.Q. 24 (c), maintenance of PVC traps, truck

Schedule - 1 WSW - 1 hour

Budget

Labor	\$47.45
Resources	\$63.30
Mileage	N/A
Weekly Total	\$110.75

Monthly

1. Lauro Dam - Inspect dam abutments, embankments, flow measures, toe drain seepage, and piezometer data. Submit monthly seepage data and dam inspection data to Reclamation; report pesticide usage.

Description - COMB is required to inspect dam abutments, embankments, and visible portion of the foundation for evidence of seepage, subsidence, springs, and impairment of slope protection. During the inspection, any apparent gullies are filled with stones to prevent erosion of the downstream face. Toe drains were constructed to provide a means for monitoring seepage within the dam. Piezometers are observation wells installed in order to monitor the height of the groundwater table within the dam. These wells are monitored monthly by lowering a probe which signals when it has reached groundwater. The distance the probe is lowered is then measured to determine the depth of the groundwater table. There are three piezometers at Lauro Dam. Toe drain seepage and piezometer data are recorded on the Monthly Dam Inspection Report along with the pesticide usage report; data is transmitted to the Reclamation office by the 10th of each month.

Constraints - N/A

Resources - Piezometer probe, measuring cup, watch, truck

Schedule - 1 WSW - 1 hour

<u>Budget</u>	Labor	\$47.45
	Resources	\$15.00
	Mileage	N/A
	Monthly Total	\$62.45

Quarterly

2. Lauro Dam and yard weed abatement (spraying, mowing), property/right of way landscaping

Description - COMB is responsible for controlling all vegetation within the Cachuma Project Facilities. The objective of weed abatement within the COMB managed areas is to control weed growth, reduce seed sources that may spread, decrease habitat and food for rodents, and increase COMB's ability to observe rodent activity and other damage that may occur. Vegetation is removed manually with mowers and weed removal equipment. All refueling of gas powered equipment follow established best management practices.

Constraints - When water demand is high and the intake waterfall is delivering above 17 MGD of water it is too dangerous to do weed abatement in that area

Resources - Pozi-track mower, DR Mower, two weed wackers, glyphosate, garland, gasoline, diesel, sprayer, trailer, truck

Schedule - 2 WSWs - 80 hours each = 160 hours total

Budget

Labor	\$7,592.00
Resources	\$5,520.00
Mileage	N/A
Quarterly Total	\$13,112.00

3. Exercise and test emergency shut-off valve at Lauro Dam

Description - Actuating equipment is needed to operate hydraulic ball valve to ensure full operation in case of an emergency.

Constraints - Needs to be coordinated with Cater Water Treatment Plant. Testing will cut off flow to Cater for .5 hour

Resources - Gas monitor

Schedule - 2 WSWs - 1 hour = 2 hours total

Budget

Labor	\$94.90
Resources	N/A
Mileage	N/A
Quarterly Total	\$94.90

ORTEGA DAM

Weekly

6. Visit Ortega Dam site and fill rodent bait stations; record data on pesticide report

Description - The objective for treatment of rodents is to eliminate ground squirrel and gopher activity on dam faces and embankments in reservoir areas, along drainage ditches, and around structures in order to decrease the presence of burrows that could cause erosion and weaken the structural integrity of the dams and embankments. COMB's operation staff is trained and certified by the Pesticide Applicators Professional Association and permitted by the Santa Barbara County Agricultural Commissioner's Office to use rodent bait. Monthly and annual pesticide usage reports are submitted by COMB to the County Agricultural Commissioner for all pesticides used. Toxic Bait Indandione (P.C.Q. 24 (c)) is used in the traps. The bait must be eaten by the predator on five or more successive days with no periods longer than 48 hours between feedings for the bait to be effective. The Rodent Bait traps are T-shaped and made out of 3-inch diameter PVC pipe which are capped in order to keep rainwater out. Each Rodent Bait trap is filled with 8 oz. of bait and replaced when levels drop below eight ounces or

when the product gets wet. Any bait removed from the trap is disposed of at the hazardous waste site, located on the University of California, Santa Barbara (UCSB) campus.

Constraints - Staff must walk the entire dam face which is steep and labor intensive

Resources - P.C.Q. 24 (c), maintenance of PVC traps, truck

Schedule - 1 WSW - 1 hour

<u>Budget</u>	Labor	\$47.45
	Resources	\$39.15
	Mileage-22.4 mi.	\$12.66
	Weekly Total	\$99.26

Monthly

7. Ortega Dam - Inspect dam abutments, embankments, flow measures, toe drain seepage, and piezometer data. Submit monthly seepage data and dam inspection data to Reclamation; report pesticide usage.

Description - COMB is required to inspect dam abutments, embankments, and visible portions of the foundation for evidence of seepage, subsidence, springs, and impairment of slope protection. During the inspection they are to prevent erosion of downstream face when necessary by filling gullies with stones. Toe drains have been constructed to provide a means for monitoring seepage within the dam. Piezometers are observation wells installed in order to monitor the height of groundwater table within the dam. These wells are monitored monthly by lowering a probe which signals when it has reached groundwater. The distance the probe is lowered is then measured to determine the depth of the groundwater table. There are two piezometers at Ortega Dam. Toe drain seepage and piezometer data are recorded on Monthly Dam Inspection Report along with the pesticide usage report; data is transmitted to Reclamation office by the 10th of each month.

Constraints - Staff must walk the entire dam face which is steep and labor intensive

Resources - Piezometer probe, measuring cup, watch, truck

Schedule - 1 WSW - 1 hour

<u>Budget</u>	Labor	\$47.45
	Resources	\$15.00
	Mileage-22.4 mi.	\$12.66
	Monthly Total	\$75.11

Quarterly

8. Ortega Dam weed abatement (spraying, mowing), property/right of way landscaping

Description - COMB is required to control all vegetation within the Cachuma Project Facilities. The objective of weed abatement within COMB managed facilities is to control weed growth , reduce seed sources that may spread, decrease habitat and food for rodents, and increase COMB’s ability to observe rodent activity and other damage that may occur. Vegetation is removed manually with mowers and weed removal equipment. All refueling of gas powered equipment follow established best management practices.

Constraints - N/A

Resources - Posi-track mower, DR Mower, two weed wackers, glyphosate, garland, gasoline, diesel, sprayer, trailer, truck

Schedule - 2 WSWs - 50 hours each = 100 hours total

<u>Budget</u>	Labor	\$4,745.00
	Resources	\$2,450.00
	Mileage-22.4 mi.	\$75.96
	Quarterly Total	\$7,270.96

Annually

9. Ortega Reservoir Control Station valves exercised; valve pits cleaned

Description - In order to ensure reliability of the valves, fully operate fully open, fully closed, and back to operating position thirteen butterfly and gate valves in the main pit, two butterflies outside the main reservoir, three gate valves inside the reservoir (drain valves), and five butterfly inside the reservoir. The valve pit is cleaned with hoses and brooms to ensure valve pit drains do not get clogged.

Constraints - Weather

Resources - Electric operators, mechanical operators, brooms, shop vac, plastic bags, hoses, two trucks

Schedule - 3 WSWs - 8 hours each = 24 hours total

<u>Budget</u>	Labor	\$1,138.80
	Resources	\$240.00
	Mileage- 22.4 mi.	\$12.66
	Annual Total	\$1,391.46

CARPINTERIA DAM

Weekly

1. Visit Carpinteria Dam site and fill rodent bait stations; record data on pesticide report

Description - The objective for treatment of rodents is to eliminate ground squirrel and gopher activity on dam faces and embankments in reservoir areas, along drainage ditches, and around structures in order to decrease the presence of burrows that could cause erosion and weaken of the structural integrity of the dams and embankments. COMB’s operation staff is trained and certified by the Pesticide Applicators Professional Association and permitted by the Santa Barbara County Agricultural Commissioner’s Office to use rodent bait. Monthly and annual pesticide usage reports are submitted by COMB to the County Agricultural Commissioner for all pesticides used. Toxic Bait Indandione (P.C.Q. 24 (c)) is used in the traps. The bait must be eaten by the predator on five or more successive days with no periods longer than 48 hours between feedings for the bait to be effective. The Rodent Bait traps are T-shaped and made out of 3-inch diameter PVC pipe which are capped in order to keep rainwater out. Each Rodent Bait trap is filled with 8 oz. of bait and replaced when levels drop below eight ounces or when the product gets wet. Any bait removed from the trap is disposed of at the hazardous waste site, located on the University of California, Santa Barbara (UCSB) campus.

Constraints - N/A

Resources - P.C.Q., 24 (c), maintenance of PVC traps, truck

Schedule - 1 WSW - 1 hour

<u>Budget</u>	Labor	\$47.45
	Resources	\$39.15
	Mileage-22.4	\$12.66
	Weekly Total	\$99.26

Monthly

2. Carpinteria Dam - inspect abutments, embankments, reservoir lining and visible portions of foundation, toe drain seepage, data recorded on dam inspection report. Submit monthly seepage data and dam inspection data to Reclamation. Report pesticide usage report; dam inspections report

Description - COMB is required to inspect dam abutments, embankments, and visible portions of the foundation for evidence of seepage, subsidence, springs, and impairment of slope protection. During the inspection they are to prevent erosion of downstream face when necessary by filling gullies with stones. Toe drains have been constructed to provide a means for monitoring seepage within the dam. Piezometers are observation wells installed in order to monitor the height of groundwater table within the dam. These wells are monitored monthly by lowering a probe which signals when it has reached

groundwater. The distance the probe is lowered is then measured to determine the depth of the groundwater table. There are four piezometers at Carpinteria Dam. Toe drain seepage and piezometer data are recorded on Monthly Dam Inspection Report along with the pesticide usage report; data is transmitted to Reclamation office by the 10th of each month.

Constraints - N/A

Resources - Piezometer probe, measuring cup, watch, truck

Schedule - 1 WSW - 1 hour

Budget

Labor	\$47.45
Resources	\$15.00
Mileage-22.4 mi.	\$12.66
Monthly Total	\$75.11

Quarterly

3. Carpinteria Dam weed abatement (spraying, mowing), property/right of way landscaping

Description - COMB is required by Reclamation to control all vegetation within the Cachuma Project Facilities. The objective of weed abatement within COMB managed facilities is to control weed growth, reduce seed sources that may spread, decrease habitat and food for rodents, and increase COMB's ability to observe rodent activity and other damage that may occur. Vegetation is removed manually with mowers and weed removal equipment. All refueling of gas powered equipment follow established best management practices.

Constraints - N/A

Resources - DR Mower, two weed wackers, glyphosate, garland, gasoline, diesel, truck, sprayer, trailer

Schedule - 2 WSWs - 50 hours each = 100 hours total

Budget

Labor	\$4,745.00
Resources	\$1,700.00
Mileage- 22.4 mi.	\$88.62
Quarterly Total	\$6,533.62

Annually

4. Carpinteria Reservoir Control Station valves exercised; pits cleaned

Description - Seven gate valves and one butterfly valve are in the pit along with one mag meter, two butterfly valves are outside the reservoir, two gate drain valves, four butterfly valves are inside the reservoir. The pit is cleaned with hoses and brooms to ensure valve pit drains do not get clogged.

Constraints - Dry weather

Resources - Valve operator, brooms, truck, and hoses

Schedule - 2 WSWs - 8 hours each = 16 hours total

Budget

Labor	\$759.20
Resources	\$120.00
Mileage-22.4 mi.	\$12.66
Annual Total	\$891.86

SHEFFIELD CONTROL STATION

Annually

1. Sheffield Control Station - Gate valves exercised annually; valve pit cleaned

Description - Valves are exercised annually to ensure reliability of the system. Sheffield Control Station has ten gate valves. The pit is cleaned with hoses and brooms to ensure valve pit drains do not get clogged.

Constraints - N/A

Resources - Electrical operator, extension cord, brooms, two trucks, and hoses

Schedule -2 WSWs - 6 hours each = 12 hours total

Budget

Labor	\$569.40
Resources	\$150.00
Mileage-3.3 mi.	\$1.86
Annual Total	\$721.26

METERS

Monthly

1. Read meters, flush venturi meters

Description - Disconnect the Venturi meter piping and flush it out with water and flush the venturi rings through flushing ports while at the site, meter readings are recorded before flushing where applicable.

Constraints - N/A

Resources - 2 wrenches, 1 bucket, coordination with respective water districts and COMB on-call operator, and SCADA operator, meter books, two trucks

Schedule - 2 WSWs - 4 hours each = 8 hours total

<u>Budget</u>	Labor	\$379.60
	Resources	\$120.00
	Mileage- 96.7 mi.	\$54.64
	Monthly Total	\$554.24

2. Reservoir storage recorded on water storage report, all meter data books submitted

Description - Glen Anne is not hooked up to SCADA sensors, requiring staff to go on site and measure the reservoir elevation during meter reads.

Constraints - Glen Anne not being on SCADA

Resources - SCADA

Schedule - During dam inspection

<u>Budget</u>	Labor	N/A
	Resources	N/A
	Mileage	N/A
	Monthly Total	N/A

Quarterly

1. Meter transmitter calibration

North Portal, Glen Anne, Corona Del Mar, Lauro, Sheffield, Boundary Meter, Ortega, Carpinteria

Description - Flow meters are calibrated quarterly.

Constraints - N/A

Resources - Outside contractor, truck

Schedule - 1 WSW - 8 hours

<u>Budget</u>	Labor	\$379.60
	Resources	\$120.00
	Contract Labor	\$863.10
	Mileage- 96.7 mi.	\$54.64
	Quarterly Total	\$1,417.34

SOUTH COAST CONDUIT

Annually

1. Inspection and maintenance of all structures and appurtenances associated with the South Coast Conduit

Description - There are 250 structures that are maintained annually on the South Coast Conduit. Maintenance consists of exercising the valves, air vents, blow-offs, gate valves, butterfly valves, as well as cleaning the structures and exposing the blow-off discharge piping. Twenty-nine (29) structures are to be completed during the fourth quarter.

Constraints - Encroachment access issues, weather

Resources - Tools, gas monitors, blowers, paint, landscape removal equipment, sump pumps, portable generators, shop vac, two trucks, chain saw, weed wacker, generator, and Field Mapplet

Schedule - 2 WSWs - 4.5 hours = 9 hours per structure total (261 hours)

<u>Budget</u>	Labor	\$12,384.45
	Resources	\$12,388.80
	Mileage	\$237.30
	Annual Total	\$25,010.55

Reclamation Recommendations

2. Install appropriate confined space warning signs at all entrances to confined spaces

Description - Confined space signage has been installed on most vaults in the Goleta Reach of the SCC. Many vaults in the Carpinteria Reach of the SCC are not displaying confined space warning signs. Confined space signs are needed at stations 18+62, 74+02, 99+22, 378+48, 499+65, 594+65, 611+75, 661+70, 627+75, 661+70, 803+45, 804+24, 850+50, 902+95 and 902+96. This will be completed as part of structure maintenance and completed as each vault is maintained. This has been recognized as a Category 2 recommendation by Reclamation.

Constraints - N/A

Resources - Paint

Schedule - Part of structure maintenance

Budget - Part of structure maintenance

Labor	N/A
Resources	N/A
Mileage	N/A
Total	N/A

3. Install a flap valve on the end of blowoff discharge pipe outlet at station 74+02 on the east margin of Mission Creek

Description - The blow-off valve at this location is located on the east margin of Mission Creek. The blow-off valve is located within a concrete vault (manhole), and the metal discharge pipe extends westward from the vault and outfalls on the left bank of Mission Creek. The vault itself is in good condition, but the metal pipe outlet has no screening to prevent the migration of animals into the pipe and subsequently into the vault itself. This recommendation requires installing a screen over the Blow-off Valve Discharge Pipe Outlet at station 74+02 in order to prevent the infiltration of animals into the discharge pipe.

Constraints - N/A

Resources - Flap Valve, shovel, dig bar, cut pipe, chop saw, bolt kit, flange, truck, chop saw

Schedule - 2 WSW's - 5 hours = 10 hours total

Budget

Labor	\$474.50
Resources	\$332.00
Mileage-3.3mi.	\$1.86
Total	\$808.36

4. Remove the corrosion on the pipe, valve and handle of the blow-off valve located at station 223+40 and repaint the structure adjacent to Stanwood Drive

Description - Removing corrosion with a wire brush is a Category 2 recommendation. The blow-off valve at station 223+40 is located adjacent to Stanwood Drive. The blow-off valve handle and stem, and the blow-off pipe itself, exhibit signs of corrosion. If left uncorrected, this could result in deterioration of the metal and failure of the structure. The recommendation was suggested to remove the corrosion on the pipe, valve and handle, and repaint the structures.

Constraints - N/A

Resources - Wire brush, blower, gas monitor, paint, Cal-Trans permit, road work signage, truck

Schedule - 2 WSWs - 2 hours each = 4 hours total

<u>Budget</u>	Labor	\$189.80
	Resources	\$150.00
	Mileage 6.8 mi.	\$6.24
	Total	\$346.04

5. Remove the corrosion on the pipe, valve and handle of the blow-off valve located at station 245+70 east of Montecito Circle and repaint the structure

Description - Remove corrosion with wire brush a Category 2 recommendation. The blow-off valve at station 245+70 is located inside a concrete vault, east of Montecito Circle. The blow-off valve handle and stem, and the blow-off pipe itself, exhibit signs of corrosion. If left uncorrected, this could result in deterioration of the metal and failure of the structure. The recommendation was suggested to remove the corrosion on the pipe, valve and handle, and repaint the structures.

Constraints - N/A

Resources - Wire brush, blower, gas monitor, paint, truck

Schedule - 2 WSWs - 2 hours each = 4 hours total

<u>Budget</u>	Labor	\$189.80
	Resources	\$40.00
	Mileage- 9.2 mi.	\$5.20
	Total	\$235.00

6. Locate the outfall of the blow-off pipe at station 318+50, near Parra Grande Road and extend the pipe so it will not be buried below grade; install a flap valve over the end of the blow-off pipe in order to prevent the entry of animals into the pipe.

Description - The blow-off valve at station 318+50 is located in the rear yard of a residential property on Parra Grande Road. The blow-off valve and vault are in good condition, but the outlet of the blow-off pipe could not be located, and is assumed to be buried in the embankment of the adjacent stream. This recommendation is to locate the outfall of the blow-off pipe, extend the pipe length so it will not be buried below grade, and install a screen over the pipe outlet in order to prevent the infiltration of animals into the Pipe. This is a Reclamation Category 2 recommendation.

Constraints - N/A

Resources - Truck, chop saw

Schedule - 2 WSWs - 5 hours each = 10 hours total

<u>Budget</u>	Labor	\$237.25
	Resources	\$190.00
	Mileage- 13.1 mi	\$7.40
	Total	\$434.65

7. Remove the corrosion from the CVWD valve assembly in the MWD/CVWD Boundary Meter vault at station 610+ 32, and repaint the structure.

Description - The concrete vault at station 610+32 is located at the boundary of the Carpentaria Valley Water District (CVWD) and the Montecito Water District (MWD). The vault contains two meters and regulates flow from the MWD to CVWD. Corrosion exists on the CVWD valve assembly. The recommendation is to remove the corrosion from the structure and repaint the structure.

Constraints - N/A

Resources - Wire brush, respirators, shop vac, paint, truck

Schedule - 2 WSWs - 8 hours each = 16 hours total

<u>Budget</u>	Labor	\$759.20
	Resources	\$410.00
	Mileage- 25.9 mi.	\$14.63
	Total	\$1,183.83

Operation Division Costs - 4th Quarter 2013

4th Quarter Work	Labor	Resource	Contract	Mileage	Total
Daily Operations	\$7,592.32	\$0.00	\$0.00	\$0.00	\$7,592.32
North Portal					
Water Samples	\$427.05	\$135.00	\$0.00	\$72.03	\$634.08
Republic Elevator Inspection	\$0.00	\$0.00	\$834.36	\$0.00	\$834.36
Run Generator at North Portal	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Intake Tower Exercise Cleaning and Inspection	\$1,138.80	\$448.00	\$0.00	\$59.82	\$1,646.62
Lubrication in Gate Chamber	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Weed Abatement	\$949.00	\$850.00	\$0.00	\$39.88	\$1,838.88
Exercise Valves	\$237.25	\$37.50	\$0.00	\$19.94	\$294.69
Lubricate Intake Tower	\$189.80	\$35.00	\$0.00	\$19.94	\$244.74
Service Stand-by Generator	\$142.35	\$45.00	\$550.00	\$19.94	\$757.29
Load Test Stand-by Generator	\$166.08	\$52.50	\$550.00	\$19.94	\$788.52
Clean and Lubricate Intake Tower Guides	\$1,138.80	\$335.00	\$0.00	\$19.94	\$1,493.74
Annual Intake Tower Hoist Inspection	\$118.63	\$37.50	\$250.00	\$19.94	\$426.07
Inspect and Lubricated Gear Case and Fittings	\$142.35	\$0.00	\$0.00	\$0.00	\$142.35
Install Bollards	\$379.60	\$560.00	\$0.00	\$19.94	\$959.54
North Portal Total Cost	\$5,029.71	\$2,535.50	\$2,184.36	\$311.31	\$10,060.88
Glen Anne Dam					
Visit Dam Sites and Rodent Bait	\$925.34	\$606.45	\$0.00	\$179.27	\$1,711.06
Dam Inspection and Toe Drain Readings	\$284.70	\$90.00	\$0.00	\$41.37	\$416.07
Weed Abatement	\$7,592.00	\$2,880.00	\$0.00	\$68.95	\$10,540.95
Inspect and Remove Rocks from Stilling Basin	\$474.50	\$75.00	\$0.00	\$13.79	\$563.29
Glen Anne Dam Total Cost	\$9,276.54	\$3,651.45	\$0.00	\$303.38	\$13,231.37
Glen Anne Turnout					
Rehab 78+00	\$759.20	\$2,120.00	\$0.00	\$13.79	\$2,892.99
Glen Anne Turnout Total Cost	\$759.20	\$2,120.00	\$0.00	\$13.79	\$2,892.99
Lauro Yard					
Safety Meeting	\$2,158.91	\$25.00	\$0.00	\$0.00	\$2,183.91
Building Maintenance and Clean-up	\$2,467.40	\$0.00	\$0.00	\$0.00	\$2,467.40
Weekly Reports	\$1,542.19	\$0.00	\$0.00	\$0.00	\$1,542.19
Rodent Bait Station Reporting	\$616.85	\$0.00	\$0.00	\$0.00	\$616.85
Sign Fire Extinguishers	\$284.70	\$0.00	\$0.00	\$0.00	\$284.70
Run Generator	\$71.19	\$0.00	\$0.00	\$0.00	\$71.19
Read Anodes and Rectifier Record Data	\$140.10	\$0.00	\$0.00	\$0.00	\$140.10
Equipment Servicing	\$379.60	\$300.00	\$0.00	\$0.00	\$679.60
Load Test Generator	\$23.73	\$0.00	\$550.00	\$0.00	\$573.73
Service Generator	\$23.73	\$0.00	\$550.00	\$0.00	\$573.73
Lauro Yard Total Cost	\$7,708.40	\$325.00	\$1,100.00	\$0.00	\$9,133.40
Lauro Dam					
Rodent Bait Dam and Yard	\$616.85	\$822.90	\$0.00	\$0.00	\$1,439.75
Dam Inspection	\$142.35	\$45.00	\$0.00	\$0.00	\$187.35
Weed Abatement	\$7,592.00	\$5,520.00	\$0.00	\$0.00	\$13,112.00
Exercise Emergency Shut-off Valve	\$94.90	\$0.00	\$0.00	\$0.00	\$94.90
Lauro Dam Total Cost	\$8,446.10	\$6,387.90	\$0.00	\$0.00	\$14,834.00

Operation Division Costs - 4th Quarter 2013

Ortega Dam

Visit Dam Site and Rodent Bait	\$616.85	\$508.95	\$0.00	\$164.58	\$1,290.38
Dam Inspections	\$142.35	\$45.00	\$0.00	\$37.98	\$225.33
Weed Abatement	\$4,745.00	\$2,450.00	\$0.00	\$75.96	\$7,270.96
Control Station Cleaning and Valve Exercise	\$1,138.80	\$240.00	\$0.00	\$12.66	\$1,391.46
Ortega Dam Total Cost	\$6,643.00	\$3,243.95	\$0.00	\$291.18	\$10,178.13

Carpinteria Dam

Visit Dam Site and Rodent Bait	\$616.85	\$508.95	\$0.00	\$164.58	\$1,290.38
Carpinteria Dam Inspection	\$142.35	\$45.00	\$0.00	\$37.98	\$225.33
Weed Abatement	\$4,745.00	\$1,700.00	\$0.00	\$88.62	\$6,533.62
Control Station Cleaning and Valve Exercise	\$759.20	\$120.00	\$0.00	\$12.66	\$891.86
Carpinteria Dam Total Cost	\$6,263.40	\$2,373.95	\$0.00	\$303.84	\$8,941.19

Sheffield Control Station

Control Station Cleaning and Valve Exercise	\$569.40	\$150.00	\$0.00	\$1.86	\$721.26
Sheffield Control Station Total Cost	\$569.40	\$150.00	\$0.00	\$1.86	\$721.26

Meters

Read Meters Flush Venturi Meters	\$1,138.80	\$360.00	\$0.00	\$163.92	\$1,662.72
Reservoir Storage Recorded	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SCADA Transmitter Calibration	\$379.60	\$120.00	\$863.10	\$54.64	\$1,417.34
Meters Total Cost	\$1,518.40	\$480.00	\$863.10	\$218.56	\$3,080.06

South Coast Conduit

Maintenance Management	\$12,384.45	\$12,388.80	\$0.00	\$237.30	\$25,010.55
Install Confined Space Warning Signs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Install a Flap Valve at Station 74+02	\$474.50	\$332.00	\$0.00	\$1.86	\$808.36
Remove the Corrosion at Station 223+40	\$189.80	\$150.00	\$0.00	\$6.24	\$346.04
Remove the Corrosion at Station 245+70	\$189.80	\$40.00	\$0.00	\$5.20	\$235.00
Rehab Blow-off Pipe at Station 318+50,	\$237.25	\$190.00	\$0.00	\$7.40	\$434.65
Remove the Corrosion at Station 610+ 32	\$759.20	\$410.00	\$0.00	\$14.63	\$1,183.83
South Coast Conduit Total Cost	\$14,235.00	\$13,510.80	\$0.00	\$272.63	\$28,018.43

Totals	\$68,041.47	\$34,778.55	\$4,147.46	\$1,716.55	\$108,684.03
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Cachuma Operation & Maintenance Board
 Operations Division Equipment Costs
 2013

ITEM	SIZE	HP	RATE / HR
Air compressor		to 10	\$10.00
Air compressor		to 30	\$15.00
Air compressor		to 90	\$25.00
Chain saw, bar length	16"		\$15.00
Chain saw, bar length	25"		\$20.00
Chain saw, pole bar	18"		\$25.00
Compactor		to 10	\$20.00
Crane		to 80	\$35.00
Crane, truck mounted	3000 lbs		\$25.00
Crane, truck mounted	5000 lbs		\$25.00
Posi-trak	6000 lbs		\$35.00
Generator	5.5 kW		\$15.00
Hose, discharge	3" dia		\$5.00
Hose, suction	3" dia		\$5.00
Jack hammer	25-45 lbs		\$10.00
Backhoe, loader w/bucket	1.5 cy	85	\$50.00
Pump		to 4	\$10.00
Saw, concrete	14" dia		\$15.00
Sprayer, chemical	5 cy	to 4	\$10.00
Trailer	3 ton		\$15.00
Water w/trailer	800 gal		\$20.00
Truck, dump	8 cy	to 220	\$35.00
Truck, flatbed	15000 lbs	to 200	\$30.00
Truck, pickup			\$10.00
Truck, pickup	1/2 ton		\$15.00
Truck, pickup	1 ton		\$20.00
Welder, portable		to 16	\$15.00
Weed wacker			\$10.00
Mower			\$10.00

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	March 25, 2013
Submitted by:	Tim Robinson and Scott Volan
Approved by:	Janet Gingras

SUBJECT: Lake Cachuma Oak Tree Restoration Program

SUMMARY:

COMB staff has now transitioned from an intense oak tree maintenance schedule in the summer and fall to a lighter maintenance and monitoring schedule in the winter and spring. Cage maintenance, weeding, and mulching were recently conducted for the Year 3 and Year 4 oak trees located at the Bradbury Dam site. Cage maintenance also continued for the Year 5 oak trees at the Bradbury Dam site. A complete list of maintenance tasks since July of 2012 is provided in Table 1. The total amount of water used from Lake Cachuma to water oak trees since July is provided in Table 2, which has remained unchanged since the last watering event in October of 2012. Table 3 shows the number of staff hours and personnel cost to date, and Table 4 shows material, supplies, and fuel expenses to date. The bottom of Table 4 reflects the total expenses (labor, material, and supplies) of the Lake Cachuma Oak Tree Restoration Program incurred to date.

Table 1: Cachuma Oak Tree Program completed tasks since 7/1/12.

Oak Year Class	Completed Tasks								
	July 2012	August 2012	September 2012	October 2012	November 2012	December 2012	January 2013	February 2013	March 2013
Year 6 Oaks (2010-2011)	Site inspection	Mulched	Irrigated	Irrigated			Cage maintenance		
	Irrigated	Irrigated		Tag replacement			Pruning		
	Weed whacked	Cage maintenance							
Year 5 Oaks (2009-2010)		Hand weeded							
		Inventoried							
	Site inspection	Mulched	Irrigated	Irrigated					Cage maintenance
Year 4 Oaks (2008-2009)	Irrigated	Irrigated	Inventoried						
	Weed whacked	Hand weeded							
	Site inspection	Mulch delivered	Irrigated	Inventoried				Cage maintenance	Cage maintenance
Year 3 Oaks (2007-2008)	Irrigated*	Irrigated*	Inventoried	Mulched				Pruning	Hand weeded
	Weed whacked								Mulched
	Site inspection	Mulch delivered	Irrigated	Inventoried				Cage maintenance	Cage maintenance
Year 2 Oaks (2006-2007)	Irrigated*	Irrigated*	Inventoried	Mulched				Pruning	Hand weeded
	Weed whacked								Mulched
	Site inspection	Cage maintenance	Cage maintenance	Inventoried	Inventoried	Cage maintenance	Cage maintenance		
Year 1 Oaks (2005-2006)	Weed whacked	Irrigated*		Cage maintenance	Cage maintenance	Pruning	Pruning		
*Valley Oaks watered									

Water Use:

Table 2: Cachuma Oak Tree Program number of tank fill-ups/day during oak tree watering.

	7/13	7/16	7/17	7/30	7/31	8/1	8/2	8/3	8/28	8/29	8/30	10/2	10/3	10/10	10/11
(900 gallon tank)	2	2	2.75	3	4	3.25	4	2.25	3	2.5	4	2.5	2.5	4	3
(300 gallon tank)	3	3.5	4												
Gallons/day	2,700	2,850	3,675	2,700	3,600	2,925	3,600	2,025	2,700	2,250	3,600	2,250	2,250	3,600	2,700
Acre-feet/day	0.008	0.009	0.011	0.008	0.011	0.009	0.011	0.006	0.008	0.007	0.011	0.007	0.007	0.011	0.008
			Gallons	Acre-feet				1 acre-foot = 325,851 gallons							
July Total =	15,525		0.048												
August Total =	17,100		0.052												
October Total =	10,800		0.033												
Total Water Used to Date =	43,425		0.13												

FINANCIAL IMPACT:

Table 3: Cachuma Oak Tree Program staff hours and personnel cost each month to date.

	July	August	September	October	November	December	January	February	March (through 3/15)	Total
COMB Staff (hours):										
Seasonal Biologist Aide A		177.75	96.5	73.75	64.25	78	64	32	32	618.25
Seasonal Biologist Aide B	33.5	170.5	88.5			8	8			308.5
Seasonal Biologist Aide C				14	63	81.5	48	80	35.5	322
Seasonal Biologist Aide D					66.5	95	84	114.5	63	423
Administrative Secretary				12						12
Water Service Worker I		8		8						16
Water Service Worker II	31	48		32						111
Water Service Worker III		16		7						23
Engineer Technician I				18						18
Project Biologist A	17	17		16		9		1		60
Project Biologist B	25.25	60	0.5	23	11	9		1	4	133.75
Senior Resource Scientist	18	52.5	12	19	20	14	8	19	8	170.5
Total Staff Hours:	124.75	549.75	197.5	222.75	224.75	294.5	212	247.5	142.5	2216
Cost - Labor plus burden	\$5,549.22	\$16,504.02	\$3,676.53	\$8,306.31	\$5,036.00	\$6,179.97	\$3,887.56	\$5,161.57	\$2,928.96	\$57,230.13
Consultant Service Hours (Ken Knight):	12	28.5	12	53.5	40.5	72.5	32.5	\$14.00	n/a*	265.5
Consultant Cost	\$720.00	\$1,710.00	\$720.00	\$3,210.00	\$2,430.00	\$4,350.00	\$1,950.00	\$840.00		\$15,930.00
Total Personnel /Consultant Cost	\$6,269.22	\$18,214.02	\$4,396.53	\$11,516.31	\$7,466.00	\$10,529.97	\$5,837.56	\$6,001.57	\$2,928.96	\$73,160.13

n/a *, = March hours not billed yet.

Table 4: Cachuma Oak Tree Program expenses to date with total expenses (labor, materials, and supplies).

	July	August	September	October	November	December	January	February	March*	Total
Materials and Supplies:										
Tree stakes		\$759.16		\$322.15	\$964.54	\$1,142.59	\$219.61	\$103.68		\$3,511.73
Hand tools		\$176.23			\$129.29	\$209.78				\$515.30
Protective deer netting		\$458.08			\$74.32	\$93.69	\$303.14	\$25.91		\$955.14
Tree tags		\$32.12	\$25.18	\$50.36						\$107.66
Mulch			\$383.10							\$383.10
Rebar		\$51.66								\$51.66
Hoses		\$210.77		\$7.85						\$218.62
Cable ties				\$41.99	\$46.30	\$71.08	\$46.30	\$30.22		\$235.89
PPE		\$70.75								\$70.75
Vehicle Fuel Cost	\$222.00	\$555.00	\$88.80	\$399.60	\$88.80	\$244.20	\$266.40	\$244.20		\$2,109.00
Equipment Fuel Cost	\$58.35	\$70.02		\$46.68						\$175.05
Total Materials and Supplies	\$280.35	\$2,383.79	\$497.08	\$868.63	\$1,303.25	\$1,761.34	\$835.45	\$404.01		\$8,333.90
TOTAL EXPENSES (labor, materials + supplies)	\$6,549.57	\$20,597.81	\$4,893.61	\$12,384.94	\$8,769.25	\$12,291.31	\$6,673.01	\$6,405.58		\$81,494.03

*March expenses not billed yet.

LEGAL CONCURRENCE:

N/A

ENVIRONMENTAL COMPLIANCE:

N/A

COMMITTEE STATUS:

N/A

RECOMMENDATION:

For Board information only.

LIST OF EXHIBITS:

CACHUMA OPERATION AND MAINTENANCE BOARD

BOARD MEMORANDUM

DATE: March 25, 2013
TO: Janet Gingras, Interim General Manager
FROM: David Baum, Engineering/Operations Division Manager
RE: **ENGINEERING & OPERATIONS DIVISION REPORT**

Engineering Division

COMB is responsible for maintaining the South Coast Conduit, reservoirs and related facilities. Although most of the facilities are in good shape, the Cachuma Project is 58 years old, and many of the structures, valves, air valves and blow-offs need to be rehabilitated, upgraded or replaced. Most of the structures in the Upper Reach have been rehabilitated.

Cachuma Project Rehabilitation

Most of the Air Valves, Gate Valves and Blow-Offs on the Upper Reach have been rehabilitated. Most of these structures on the Lower Reach have not. Work on the Lower Reach, especially the Carpinteria Reach, is much more difficult because of the number of people affected by shutting down and draining the SCC. COMB will be discussing options for scheduling and performing this work with the City of Santa Barbara, Montecito Water District and Carpinteria Valley Water District.

Air Valve Replacement:

There are twenty-six air valves in the Lower Reach that need to be replaced and relocated above ground. COMB anticipates replacing nine air valves next winter (five in Santa Barbara and four in Montecito) during two shutdowns. Work will be coordinated with the City of Santa Barbara and Montecito Water District. COMB is drafting plans and specifications and, after Board's approval, will be ready to solicit bids by October 2013. This project will be fully presented to the General Managers and the Operations Committee for their review and comments. Funds for this work will be identified in the FY 2013-14 Proposed Operating Budget.

Blow-Off Rehabilitation:

There are twenty-five blow-offs in the Lower Reach. While performing routine maintenance, most of these blow-offs were identified as needing rehabilitation. COMB is planning to rehabilitate eleven of these structures at the same time the air valves above are being replaced. This work can be done during the same two shutdowns necessary for the air valve replacement.

Montecito Reach In-Line Valve:

COMB is having discussions with MWD about the possibility of constructing an in-line valve in the Montecito Reach in the upper yard behind MWD's offices. Work could be performed during the shutdown for the above mentioned air valve replacement. Three in-line valves have been installed in the Carpinteria Reach and several more have been previously proposed. This project is only in the discussion phase and the Member Unit General Managers will be kept apprised of developments.

North Portal Elevator:

The North Portal Elevator is fifty-eight years old and in poor condition and in COMB's opinion should be fully rehabilitated or replaced. COMB is in the process of soliciting proposals for evaluation, plans and specifications.

Operations Division

To ensure reliability, the Operation and Maintenance staff performs routine maintenance on COMB's Distribution and Storage System. Staff continually works to improve the system as well as making sure any deficiencies are addressed.

Lake Cachuma Operations

The average flow from Lake Cachuma into the Tecolote Tunnel for February was 71.2 acre-feet per day. The lake elevation was 729.8 at the beginning of the month and 728.8 at the end. The storage change was -2342 acre-feet. No CCWA water was wheeled through to Cachuma Project facilities.

U.S. Bureau of Reclamation (USBR)

Functional Emergency Exercise:

The USBR will be performing a functional emergency exercise with respect to the Cachuma Project in May of this year. Functional exercises are required every six years on USBR dams. USBR will impact multiple facilities related to the Cachuma Project in the exercise by creating a scenario within the Tecolote Tunnel.

Comprehensive Facility Review of Dams:

The USBR Comprehensive Facility Review (CFR) of Dams took place February 19–21, 2013. Cachuma Project CFRs are performed every six years by USBR representatives from Fresno, Sacramento and Denver. Glen Anne, Lauro, Ortega and Carpinteria Dams were inspected. The CFR examined the Civil and Mechanical aspects of each dam facility. USBR told us all the dams are in very good condition. USBR will provide evaluations, analyses and recommendations, based on a review and assessment of the available records and data and the observations made. COMB expects to receive a copy of this CFR within two months.

Cachuma Project 2012 Special Inspection Report:

On December 18-19, 2012, the USBR inspected the North Portal, Glen Anne Turnout, Corona Del Mar Turnout/Weir and South Coast Conduit. A report summarizing observations, deficiencies and operational concerns was issued.

Operation and Maintenance Activities

- ✓ *Revised South Reach blow-off discharge piping*
- ✓ *Drafting construction drawings for air valve replacement and blow-off rehabilitation*
- ✓ *Continued annual valve exercise*
- ✓ *Continued maintenance management in the South Reach*
- ✓ *Met with County fire to go over procedure for helicopters utilizing reservoirs during fire to prevent Quagga mussel contamination*
- ✓ *Performed preventative maintenance on North Portal Flow Control Valve*
- ✓ *Flush all Venturi Meters*
- ✓ *Take water samples at the North Portal Intake Tower*
- ✓ *Clean fish screens and perform Quagga mussel inspection at the North Portal Intake Tower*
- ✓ *Read Anodes and record data*
- ✓ *Monitor conduit right-of-way and respond to Dig Alert Notices*

- ✓ *Perform monthly dam inspections, and send report to USBR*
- ✓ *Read Piezometer and underdrains at Glen Anne, Lauro, Ortega, and Carpinteria Dams*
- ✓ *Place rodent bait in all traps at all facilities*
- ✓ *Weed abatement at all facilities*
- ✓ *Read all meters and report quantities to accounting*

Weekly Safety Meetings:

The purpose of the weekly safety meetings is to continue education of Staff on safe practices in the field and on-site. In these safety meetings Staff is urged to ask questions about the topic being discussed and share some incidences related to the topic. Discussion includes how the incident could have been prevented. Regular safety meetings help Staff to constantly have safety on their mind. The following topics were reviewed this past month.

- ✓ Welding Hazards
- ✓ Construction Site Safety
- ✓ Gasoline
- ✓ CPR refresher course

CACHUMA OPERATION AND MAINTENANCE BOARD

BOARD MEMORANDUM

DATE: March 25, 2013
TO: Janet Gingras, Interim General Manager
FROM: Tim Robinson, Fisheries Division Manager
RE: **MONTHLY FISHERIES DIVISION REPORT**

In compliance with the 2000 Cachuma Project Biological Opinion (BO) and as described in the 2004 Lower Santa Ynez River Fish Management Plan (FMP) and the Monitoring Program in the 2000 Revised Biological Assessment (BA), the Cachuma Project Biology Staff (CPBS) conducts routine monitoring of steelhead/rainbow trout and their habitat on the Lower Santa Ynez River (LSYR) below Bradbury Dam. The following is a list of activities carried out by CPBS since the last COMB Board meeting that has been broken out by categories.

LSYR Steelhead Monitoring Elements

Thermograph Network:

The thermograph network is deployed at the beginning of April and picked up at the end of December to record water temperatures at all designated locations within the LSYR mainstem and several tributaries. Most thermographs are removed from the river and stream during the wet season although some units are kept in the water year round to allow for wet season monitoring at selected locations, particularly during dry years such as the current year. Thermographs are downloaded monthly and the results are summarized in the Annual Monitoring Report.

Migrant Trapping:

This program will start after a decent stormflow event due to limitations in the number of juvenile and adult take described in the BO and an excessively dry year. To date, the trapping program has not been initiated.

Redd Surveys:

Redd surveys are conducted every two weeks from February through May. Surveys were initiated in February within the LSYR mainstem in the Highway 154, Refugio, and Alisal reaches where access was permitted, and certain sections of Hilton, Quiota, and Salsipuedes/El Jaro creeks. The number of redds is reported in the Annual Monitoring Plan.

Cachuma Lake Oak Tree Restoration Program:

COMB staff, with guidance from the hired professional arborist, continues to implement the Program and have successfully conducted all management actions as required. An update of the project is provided in a separate Board memo. A Board ad hoc Oak Creek Committee meeting was held on 3/20/13 that will be summarized by Committee chairman during the 3/25/13 Board Meeting.

Tributary Project Updates

Quiota Creek Crossing 1: Two grants have now been submitted for the construction cost of this project: the Restoration Program at California Department of Fish and Wildlife (CDFW) for \$521,141 and California Wildlife Conservation Board for \$150,000. COMB has committed to a \$50,000 construction match for this effort. We were awarded the CDFW grant for the full requested amount and we anticipate the grant contract to arrive any day at which point it will be brought to the COMB Board for approval. The WCB grant will be on the consent agenda for their May Board meeting. If successful with the pending WCB grants and approval by the COMB Board, this project would be constructed in the fall of 2013. Staff and our design engineer are working on permits and design approvals and all landowners have been informed about the pending project.

Quiota Creek Crossing 0: Staff submitted a CDFW Restoration (FRGP) Grant on 3/14/13 for the construction of this project. Landowners have committed to a \$50,000 construction match. The project entails removing two low flow concrete creek crossings in close proximity and replacing them with railroad car bridges. 75% level designs were completed and submitted with the grant. The engineer's estimate for the project is \$608,000. The grant award notification will be received in the winter of 2014 with possible construction in the fall of that year.

Salsipuedes Creek – Jalama Road Fish Ladder: COMB staff has reviewed the HDR draft drawings for this project to modify the fish ladder. We are expecting their revisions shortly at which point they will be submitted to CDFW/NMFS for their review and suggestion on how to fund and permit the project.

Surcharge Water Accounting

The following table summarizes the amount of Surcharge water used to date from each of the three accounts at the end of last month (Table 1). All numbers come from 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. As of May 2012, all of the Fish Rearing account waters have been used and we are now using Project Yield to meet BO target flows. The amount of water used during February was 325.6 acre-feet. Subtracted from the Project Yield total was the Adaptive Management Account (AMA) release of 35 acre-feet in October 2012 that was called for by the Adaptive Management Committee.

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

Accounts*	Allocation	Amount Used**	Amount Remaining
Units:	(acre-feet)	(acre-feet)	(acre-feet)
Fish Passage	3,200	0	3,200
Adaptive Management	500	35	465
Fish Rearing***	5,242	5,242	0
Project Yield		6,749	
Total:	8,942	12,026	3,665
* Originally was 9,200 and as of 2008 it is 8,942.			
** Values as of 2/28/13.			
*** This water is for meeting required target flows. This is not an official account and is what remains after subtracting the other two accounts.			

Reporting / Outreach / Training

Reporting: Staff is now finalizing the draft WY2011 Annual Monitoring Report and expects to have it to the Science Review Team by the second week of April.

Outreach and Training: Staff has been working with Quiota Creek watershed landowners in developing the grant application for the Quiota Creek Crossing 0 project and the construction designs for the Quiota Creek Crossing 1 project. A Lower Santa Ynez River Fisheries tour was given to Lauren Hanson (COMB Board President) and Cathy Murillo (Santa Barbara City Council member) on 2/14/13. The Fisheries Division Manager attended the annual Salmonid Restoration Federation Conference in Fortuna from 3/14-16/13 and he did not give a presentation.

Consultant Activity Summary (February):

Kenneth A. Knight Consulting (Ken Knight) – Cachuma Lake Oak Tree Restoration Program: monthly field maintenance, monitoring and Plan development.

HDR Fisheries Design Center (Mike Garelo) – Design work for Quiota Creek Crossings 0 and 1.

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

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

12-13 ENTITLEMENT

CACHUMA OPERATION AND MAINTENANCE BOARD
 WATER PRODUCTION AND WATER USE REPORT
 FOR THE MONTH OF FEBRUARY 2013 AND THE WATER YEAR TO DATE

(All in rounded Acre Feet)

			MONTH TOTAL			YTD TOTAL
WATER PRODUCTION:						
Cachuma Lake (Tec. Diversion)			1,994			9,693
Tecolote Tunnel Infiltration			69			532
Glen Anne Reservoir			0			0
Cachuma Lake (County Park)			3			20
State Water Diversion Credit			0			55
Gibraltar Diversion Credit			0			0
Bishop Ranch Diversion			100			100
Meter Reads			1,984			9,709
So. Coast Storage gain/(loss)			(21)			(41)
Total Production			2,065			10,245
Total Deliveries			2,063			9,823
Unaccounted-for			2			422
% Unaccounted-for			0.09%			4.11%
	GWD	SB CITY	MWD	CVWD	SYRWCD I.D. #1	TOTAL
WATER USE:						
M&I	576	876	234	125	3	1,813
Agricultural	64		20	87		171
TOTAL FOR MONTH	640	876	254	211	3	1,984
Same Mo/prev. yr	736	845	256	186	2	2,025
M&I Yr to date	3,317	3,463	1,116	489	20	8,404
Ag. Yr to date	763	0	145	441	0	1,349
TOTAL YTD	4,080	3,463	1,261	929	20	9,753
USAGE % YTD	39.8%	25.3%	33.6%	25.0%	0.8%	28.7%
Previous Year/YTD	4,107	3,969	1,044	1,157	20	10,297
Evaporation	0	12	0	1	0	13
Evaporation, YTD	6	87	12	12	0	117
Entitlement	9,322	8,277	2,651	2,813	2,651	25,714
Carryover	879	5,715	1,099	931	3	8,627
Carryover Balances Spilled YTD	0	0	0	0	0	0
Surplus^^	0	0	0	0	0	0
State Water Exchange^	62	41	41	27	(171)	0
Transfers/Adjustment	0	0	0	0	0	0
Passthrough H2O**	0	0	0	0	0	0
TOTAL AVAILABLE	10,263	14,033	3,791	3,771	2,483	34,341
REMAINING BALANCE	6,177	10,483	2,518	2,830	2,463	24,471

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

State Water Deliveries for February to Lake Cachuma were: MWD 0 AF; CVWD 0 AF

GWD 0 AF (Morehart 0 AF); City of S.B. 0 AF; and LaCumbre 0 AF; (Ratheon 0 AF).

^ Per SWP Exchange Agrmt GWD received 0 AF; MWD received 0;

City of SB received 0 AF; and CVWD received 0 AF from ID#1 in February 2013.

CACHUMA OPERATION AND MAINTENANCE BOARD
WATER STORAGE REPORT

MONTH: February 2013

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	348.00 Feet
Water in Storage	94.74 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	545.40 Feet
Water in Storage	517.74 Acre Feet

ORTEGA RESERVOIR

Capacity at 460' elevation:	65 Acre Feet
Capacity at outlet at elevation 440':	0 Acre Feet
Stage of Reservoir Elevation	446.80 Feet
Water in Storage	18.90 Acre Feet

CARPINTERIA RESERVOIR

Capacity at 384' elevation:	45 Acre Feet
Capacity at outlet elevation 362':	0 Acre Feet
Stage of Reservoir Elevation	378.30 Feet
Water in Storage	30.95 Acre Feet

TOTAL STORAGE IN RESERVOIRS

Change in Storage	567.58 Acre Feet
	-20.82 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	728.82 Feet
Water in Storage	130,759 AF
Area	2,327
Evaporation	401.0 AF
Inflow	301 AF
Downstream Release WR8918	0 AF
Fish Release	325.6 AF
Outlet	0.0 AF
Spill/Seismic Release	0 AF
State Project Water	0 AF
Change in Storage	-2,341 AF
Tecolote Diversion	1,993.7 AF

Rainfall: Month: 0.40 Season: 6.74 Percent of Normal: 46%

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

Contract Year: 10/1/12 to: 9/30/13

Contract Entity: Carpinteria Valley Water District
 Last updated by C.O.M.B. 2/28/13

Month	Approved Schedule Current Year	Carryover Previous Year
Total	2813	931

Month	TOTAL WATER USED		WATER USED CHARGED TO CARRYOVER BALANCES				WATER USED CHARGED TO CURRENT ENTITLEMENT	
	M&I	Agr	Evap	Div	Acre-feet	Total	M & I	Agr
Oct	144	172	7	316	323	147	176	0
Nov	116	115	2	231	233	117	116	0
Dec	29	13	1	42	43	29	13	0
Jan	75	54	1	129	130	75	54	0
Feb	125	87	1	202	203	119	83	4
Mar								
Apr								
May								
Jun								
Jul								
Aug								
Sep								
Total	469	441		930				

Month	STORAGE WATER	CONVERSIONS
Oct	147	-147
Nov	117	-117
Dec	29	-29
Jan	75	-75
Feb	119	-119
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Total	2813	931

Month	STORAGE WATER		CONVERSIONS		CURRENT SCHEDULE	
	M & I	Agr	M & I	Agr	M & I	Agr
Oct	147	0	0	0	0	0
Nov	117	0	0	0	0	0
Dec	29	0	0	0	0	0
Jan	75	0	0	0	0	0
Feb	119	0	0	0	0	0
Mar						
Apr						
May						
Jun						
Jul						
Aug						
Sep						
Total	469	441	930	931	931	931

Month	SCHEDULE AND REVISIONS		SCHEDULE AND REVISIONS		REMAINING BALANCES	
	M&I	AG	M&I	AG	M&I	AG
Oct	1,013	15	1,800	12	1028	1812
Nov					1028	1812
Dec					1028	1812
Jan					1028	1812
Feb					1028	1812
Mar					1022	1808
Apr					2	
May						
Jun						
Jul						
Aug						
Sep						
Total	1,013	15	1,800	12	1028	1812

TOTAL 2,830

SUMMARY OF WATER USED
CACHUMIA PROJECT - CONTRACT #175R-1802

Contract Year: 10/1/12 to: 9/30/13

Contract Entity: Goleta Water District
 Last updated by C.O.M.B. 2/28/13

Approved Schedule Current Year: 9322
 Carryover Previous Year: 879

Month	TOTAL WATER USED		WATER USED CHARGED TO CARRYOVER BALANCES				WATER USED CHARGED TO CURRENT ENTITLEMENT		
	M & I	Agri	Evap	Div	Total	M & I	Agri	M & I	Agri
Oct	903	353	6	873	879	632	247	275	107
Nov	715	256	0	0	971	0	0	715	256
Dec	503	55	0	0	558	0	0	503	55
Jan	621	35	0	0	656	0	0	621	35
Feb	576	64	0	0	640	0	0	576	64
Mar									
Apr									
May									
Jun									
Jul									
Aug									
Sep									
Total	3,318	763			4,080				

Month	STORAGE WATER		CONVERSIONS		CURRENT SCHEDULE	
	M & I	Agri	M & I	Agri	M & I	Agri
Oct	4	0	0	0	0	0
Nov	0	0	0	0	0	0
Dec	0	0	0	0	0	0
Jan	0	0	0	0	0	0
Feb	0	0	0	0	0	0
Mar	0	0	0	0	0	0
Apr	0	0	0	0	0	0
May	0	0	0	0	0	0
Jun	0	0	0	0	0	0
Jul	0	0	0	0	0	0
Aug	0	0	0	0	0	0
Sep	0	0	0	0	0	0
Total	4	0	0	0	0	0

Month	SCHEDULES AND REVISIONS		REMAINING BALANCES	
	M & I	AG	M & I	AG
Begin Bal	879	251	0	0
ID#1 Ex-62	628	44	0	0
Total	6,862	44	6,631	2371
			5916	2115
			5413	2060
			4792	2025
			4216	1961
Total	9,322	62	9,002	8,031

Month	STORAGE WATER		CONVERSIONS		CURRENT SCHEDULE	
	M & I	Agri	M & I	Agri	M & I	Agri
Oct	4	0	0	0	0	0
Nov	0	0	0	0	0	0
Dec	0	0	0	0	0	0
Jan	0	0	0	0	0	0
Feb	0	0	0	0	0	0
Mar	0	0	0	0	0	0
Apr	0	0	0	0	0	0
May	0	0	0	0	0	0
Jun	0	0	0	0	0	0
Jul	0	0	0	0	0	0
Aug	0	0	0	0	0	0
Sep	0	0	0	0	0	0
Total	4	0	0	0	0	0

TOTAL 6,177

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

Contract Year: 10/1/12 to: 9/30/13

Contract Entity: City of Santa Barbara
 Last updated by C.O.M.B. 2/28/13

Approved Schedule Current Year: 8277
 Carryover Previous Year: 5715

Month	TOTAL WATER USED		WATER USE CHARGED TO CARRYOVER BALANCES				WATER USE CHARGED TO CURRENT ENTITLEMENT	
	M&I	Agri	Evap	Div	Total	M&I	Agri	Total
Oct	991	0	41	991	1,033	0	0	0
Nov	479	0	17	479	496	0	0	0
Dec	392	0	8	392	400	0	0	0
Jan	725	0	9	725	734	0	0	0
Feb	876	0	12	876	888	0	0	0
Mar								
Apr								
May								
Jun								
Jul								
Aug								
Sep								
Total	3,463	0			3,463			

Total 8277 5715

Month	STORAGE WATER		CONVERSIONS	
	M&I	Agri	M&I	Agri
Oct	0	0	0	0
Nov	0	0	0	0
Dec	0	0	0	0
Jan	0	0	0	0
Feb	0	0	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	0	0	0	0
Total	0	0	0	0

Month	SCHEDULE AND REVISIONS	
	M&I	Agri
Begin Bal	5,715	0
ID#1 Ex+41	41	0
Total	5,715	0
Total	8,277	0

Month	REMAINING BALANCES	
	M&I	Agri
Oct	4682	0
Nov	4186	0
Dec	3786	0
Jan	3052	0
Feb	2164	0
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Total	4682	0

TOTAL 10,483

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

MARCH 2013

LAKE CACHUMA DAILY OPERATIONS

RUN DATE: March 20, 2013

DAY	ELEV	STORAGE		COMPUTED* INFLOW AF.	CCWA INFLOW AF.	PRECIP ON RES. SURF. AF.	RELEASE - AF.				EVAP		PRECIP INCHES
		ACRE-FEET IN LAKE	CHANGE				TUNNEL	HILTON CREEK	OUTLET	SPILLWAY	AF.	INCH	
	728.82	130,759											
1	728.78	130,666	-93	58.4	0.0	.0	120.7	8.8	.0	.0	21.9	.149	.00
2	728.71	130,504	-162	-6.1	0.0	.0	115.4	12.3	.0	.0	28.2	.192	.00
3	728.65	130,365	-139	3.6	0.0	.0	107.1	14.9	.0	.0	20.6	.140	.00
4	728.61	130,273	-92	39.1	0.0	.0	95.5	14.9	.0	.0	20.7	.141	.00
5	728.59	130,226	-47	43.1	22.5	.0	76.4	14.9	.0	.0	21.3	.145	.00
6	728.56	130,157	-69	16.7	2.5	3.9	63.9	15.0	.0	.0	13.2	.090	.02
7	728.52	130,064	-93	-33.0	0.0	11.6	55.9	15.0	.0	.0	.7	.005	.06
8	728.55	130,134	+70	22.8	0.0	127.5	56.5	15.0	.0	.0	8.8	.060	.66
9	728.51	130,041	-93	-7.9	0.0	.0	52.5	15.0	.0	.0	17.6	.120	.00
10	728.48	129,972	-69	26.6	0.0	.0	60.5	14.4	.0	.0	20.7	.141	.00
11	728.45	129,902	-70	37.2	0.0	.0	73.9	15.0	.0	.0	18.3	.125	.00
12	728.40	129,786	-116	2.1	0.0	.0	82.0	15.0	.0	.0	21.1	.144	.00
13	728.37	129,717	-69	31.9	0.0	.0	63.9	15.0	.0	.0	22.0	.150	.00
14	728.34	129,647	-70	34.6	0.0	.0	59.9	15.0	.0	.0	29.7	.203	.00
15	728.30	129,555	-92	8.8	0.0	.0	59.3	15.0	.0	.0	26.5	.181	.00
16	728.26	129,462	-93	15.3	0.0	1.9	71.8	15.0	.0	.0	23.4	.160	.01
17	728.23	129,393	-69	46.6	0.0	.0	76.1	15.0	.0	.0	24.5	.168	.00
18	728.20	129,323	-70	21.5	0.0	.0	47.2	15.1	.0	.0	29.2	.200	.00
19	728.16	129,231	-92	8.6	0.0	.0	58.6	15.0	.0	.0	27.0	.185	.00
20	728.13	129,161	-70	18.7	0.0	.0	61.7	15.0	.0	.0	12.0	.082	.00
TOTAL (AF)			-1,598	388.6	25.0	144.9	1,458.8	290.3	.0	.0	407.4	2.781	.75
(AVG)		129,879											

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.



**Santa Barbara County Community Services Department
Cachuma Lake Recreation Area**

**Summary of Aquatic Invasive Species Vessel Inspection Program
and Early Detection Monitoring Program: FEBRUARY 2013**

CACHUMA LAKE BOAT LAUNCH DATA:

Cachuma Lake Recreation Area Boat Launch Data -- FEBRUARY 2013		
Inspection Data		
Total Vessels entering Park	493	
Total Vessels launched	490	
Total Vessels Quarantined	3	1%
Returning with Boat Launch Tag	339	69%
Arriving new: Inspected, washed	115	23%
Kayak/Canoe: Inspected	36	7%
4-stroke engines	139	28%
2-strokes, w/CARB star ratings	157	32%
2-strokes, NO emissions ratings	158	32%

Boat Launch Tags: Boats with Cachuma Lake Boat Launch Tags attached to boat and trailer. These boats have not been removed from trailer since last visit to lake and are not subject to inspection or decontamination.

No mussel species have been located on any vessel entering Cachuma Lake as of FEBRUARY 21, 2013.

Quarantine Data		
Total Vessels Quarantined	3	
Quarantined 7 days	1	
Quarantined 14 days	2	

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

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

CACHUMA LAKE QUAGGA SURVEY:

Summary: No Dreissenid mussels were detected
 Inspection site: Cachuma Lake Marina, Santa Barbara County, California
 Inspection Date and Time : 2013.xx.xx; 12:30 – 15:30 PDT
 Method: 13 PVC/Cement/Plastic Mesh Sampling Stations; 384 linear feet of line
 Surveyors: Liz Gaspar (CSD), Carrie Culver, Keith Yaeger (Sea Grant).
 Lake Elevation: 728.76 from maximum of 753 feet