

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

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

Monday, October 28, 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 September 23, 2013 Regular Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Payment of Claims
4. **VERBAL REPORTS FROM BOARD COMMITTEES**
Receive verbal information regarding the following committee meetings:
 - a. Operations Committee Meeting, September 25, 2013
5. **GENERAL MANAGERS REPORT**
Receive information from the General Manager on topics pertaining to COMB, including but not limited to, the following:
 - USBR Site Inspection
 - Encroachment Permit Process
 - AVAR Bid Package
 - Drought Contingency Planning

6. CONTINGENCY DROUGHT PLANNING

Action: Recommend approval by motion and vote of the Board

- a. Adoption of Santa Barbara County's Pre-Qualified Master Services Agreement Contractor List
- b. Authorize the General Manager to Encumber, once identified, Fiscal Year 2012-13 Unexpended Funds to Budget for Drought Contingency Planning Activities
- c. Approve Budget Adjustment to Adopted FY 2013-14 Budget to Utilize Unexpended 2012-13 Unexpended Funds
- d. Authorize General Manager to Procure a Consultant Project Manager and Sign a Professional Services Contract for Contingency Planning Oversight and Management in an Amount Not to Exceed \$75,000
- e. Authorize General Manager to Enter into Environmental/Legal Professional Services Agreements as necessary in an Aggregate Amount not to exceed \$50,000
- f. Authorize General Manager to Execute Contracts with Emergency Justification as Sole Source Contracts for Items (d) Consultant Project Manager and (e) Environmental/Legal Professional Services

7. CONSIDER AUTHORIZING THE GENERAL MANAGER TO EXECUTE A CONTRACT WITH PETER LAPIDUS CONSTRUCTION TO POTHOLE THE SOUTH COAST CONDUIT AT ARROYO PAREDON CREEK

Action: Recommend approval by motion and vote of the Board

8. REPORT ON QUIOTA CREEK CROSSING 1 FISH PASSAGE IMPROVEMENT PROJECT

Receive information regarding the Quiota Creek Crossing 1 Project including but not limited to the following:

- Work Performed
- Financial Impact
- Legal Concurrence

9. PROGRESS REPORT ON CACHUMA LAKE OAK TREE PROGRAM

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

- Maintenance and Monitoring

10. OPERATIONS DIVISION REPORT

Receive information regarding Engineering and Operations Division, including but not limited to the following:

- Lake Cachuma Operations
- Operation and Maintenance Activities

11. FISHERIES DIVISION REPORT

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

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

12. MONTHLY CACHUMA PROJECT REPORTS

Receive information regarding the Cachuma Project, including but not limited to the following:

- a. Cachuma Water Reports
- b. Cachuma Reservoir Current Conditions
- c. Lake Cachuma Quagga Survey

13. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR NEXT MEETING

14. [CLOSED SESSION]:

CONFERENCE WITH LEGAL COUNSEL: ANTICIPATED LITIGATION

Significant exposure to litigation pursuant to Government Code Section 54956.9(d) (2): one case

Jessica and Andrew Brown, 1215 Franklin Ranch Road, Goleta

Dispute Re: January 2012 Property Grading/South Coast Conduit/County of Santa Barbara

Emergency Permit 11EMP-00000-00007/Grading Permit 11GRD-00000-00135

15. RECONVENE INTO OPEN SESSION

[Government Code Section 54957.7]

Disclosure of actions taken in closed session, as applicable

{Government Code Section 54957.1}

16. MEETING SCHEDULE

- **November 18, 2013 at 2:00 P.M., COMB Office**
- **Board Packages Available on COMB Website**
www.cachuma-board.org

17. COMB ADJOURNMENT

NOTICE TO PUBLIC

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

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

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

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

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

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

**held at
3301 Laurel Canyon Road, Santa Barbara, CA
Monday, September 23, 2013**

1. Call to Order, Roll Call

The meeting was called to order at 2:00 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:

Randall Ward	Tony Trembley
Janet Gingras	Tim Robinson
Matt Naftaly	William Carter
Ruth Snodgrass	Charles Hamilton
Melinda Burns	Phil Walker

2. Public Comment

Phil Walker commented on various topics.

3. Consent Agenda

- a. **Minutes:**
August 26, 2013 Regular Board Meeting and September 12, 2013 Special Board Meeting
- b. **Investment Funds**
Financial Report
Investment Report
- c. **Payment of Claims**

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

4. Verbal Reports from Board Committees

- a. **Ad Hoc Lake Cachuma Oak Tree Meeting, August 3, 2013**

Director Morgan reported that Item #5 of the agenda reflects the discussion that the committee had at the August 3rd meeting.

5. Consider Establishing the Ad Hoc Lake Cachuma Oak Tree Committee as a Standing Board Committee

The members of the Ad Hoc Lake Cachuma Oak Tree Committee had determined at the August 3, 2013 meeting that the ad hoc committee should be established as a standing Board committee. After discussion the Board decided to consider this option at the next Board meeting pending the establishment of roles and responsibilities for a standing committee. A charter for the committee should be developed so that it does not overlap the duties of any other Board committees.

6. Consider Authorizing the General Manager to Execute Contracts for Engineering Oversight for the Bridge Fabrication and for the Resident Engineer, Quiota Creek Crossing 1 Project

Randal Ward, General Manager reported that engineering oversight is required for the Quiota Creek Crossing 1 Project and also for the onsite construction and offsite fabrication of the prefabricated arch bridge. Since COMB currently does not have a Resident Engineer the services of a certified Civil Engineer with appropriate experience will need to be secured for the duration of the Quiota Creek Crossing 1 Project. Quotes from qualified engineers are being sought and the estimated cost for the two contracts is approximately \$17,000 and \$26,000. Because these are estimates, staff requested that a cumulative amount not to exceed \$50,000 be considered.

Director Morgan moved to authorize the COMB General Manager to execute two separate contracts for a Resident Engineer and engineering oversight for the bridge fabrication in a cumulative amount not to exceed \$50,000, seconded by Director Orozco.

The motion passed with a roll call vote:

Ayes: Orozco, Francisco, Morgan, Hanson

Nays: Beebe

Abstain/Absent: None

7. General Managers Report

Randall Ward, General Manager highlighted his report that was included in the board packet.

8. Progress Report on Cachuma Lake Oak Tree Program

Tim Robinson highlighted the report on the Oak Tree Program that was included in the board packet.

9. Operations Division Report

Randall Ward, General Manager highlighted the erosion control project at the North Portal. The project was conducted with the assistance of a contractor and the active involvement of COMB's operations staff. The full Operations report was included in the board packet.

10. Fisheries Division Report

Tim Robinson's Fisheries report was included in the board packet. Mr. Robinson highlighted the report.

11. Monthly Cachuma Project Reports

a. Cachuma Water Reports

The monthly water reports for August were included in the board packet.

b. Cachuma Reservoir Current Conditions

The Lake Cachuma Daily Operations report through September 18, 2013 was included in the board packet.

c. Lake Cachuma Quagga Survey

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

12. Directors' Requests for Agenda Items for Next Meeting

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

13. Closed Session

There was no closed session.

14. Reconvene into Open Session

There was no closed session.

15. Meeting Schedule

- The next regular Board meeting will be held October 28, 2013 at 2:00 p.m.
- The Agendas and Board Packets are available on the COMB website, www.cachuma-board.org

16. COMB Adjournment

There being no further business, the meeting was adjourned at 3:06 p.m.

Respectfully submitted,

Randall Ward, Secretary of the Board

APPROVED:

Lauren Hanson, President of the Board

Approved _____

Unapproved _____ ✓

10/22/2013

Accrual Basis

COMB
Statement of Net Assets
As of September 30, 2013

ASSETS

Current Assets

Checking/Savings

TRUST FUNDS

1210 · WARREN ACT TRUST FUND 48,584.33

1220 · RENEWAL FUND 10,151.46

Total TRUST FUNDS 58,735.79

1050 · GENERAL FUND 778,036.38

1100 · REVOLVING FUND 72,977.54

Total Checking/Savings 909,749.71

Other Current Assets

1010 · PETTY CASH 500.00

1200 · LAIF 3,883.72

1303 · Bradbury SOD Act Assmnts Rec 74,323.00

1304 · Lauro Dam SOD Assesmnt Rec 13,216.00

1305 · ACCRUED INTEREST RECEIVABLE 2.36

1400 · PREPAID INSURANCE 18,211.72

Total Other Current Assets 110,136.80

Total Current Assets 1,019,886.51

Fixed Assets

1500 · VEHICLES 431,604.76

1505 · OFFICE FURN & EQUIPMENT 398,704.81

1510 · MOBILE OFFICES 97,803.34

1515 · FIELD EQUIPMENT 503,755.12

1525 · PAVING 38,351.00

1550 · ACCUMULATED DEPRECIATION -1,271,343.88

Total Fixed Assets 198,875.15

Other Assets

1910 · LT Bradbury SOD Act Assess Rec 5,412,718.07

1920 · LT Lauro SOD Act Assess Rec 968,607.00

Total Other Assets 6,381,325.07

TOTAL ASSETS 7,600,086.73

10/22/2013

Accrual Basis

COMB
Statement of Net Assets
As of September 30, 2013

LIABILITIES & NET ASSETS

Liabilities

Current Liabilities

Accounts Payable

2200 · ACCOUNTS PAYABLE

792,169.88

Total Accounts Payable

792,169.88

Other Current Liabilities

Payroll-DepPrm Admin

89.24

Payroll-DepPrm FD

4.62

Payroll-DepPrm Ops

58.48

2550 · VACATION/SICK

98,242.62

2560 · CACHUMA ENTITLEMENT

-486,683.10

2561 · BRADBURY DAM SOD ACT

-73,548.01

2563 · LAURO DAM SOD ACT

-15,182.00

2565 · ACCRUED INTEREST SOD ACT

87,008.00

2590 · DEFERRED REVENUE

58,735.79

Total Other Current Liabilities

-331,274.36

Total Current Liabilities

460,895.52

Long Term Liabilities

2602 · LT SOD Act Liability-Bradbury

5,412,718.07

2603 · LT SOD Act Liability - Lauro

968,607.00

2604 · OPEB LT Liability

432,462.00

Total Long Term Liabilities

6,813,787.07

Total Liabilities

7,274,682.59

NET ASSETS

3901 · Retained Net Assets

281,767.71

Net Income

43,636.43

Total Net Assets

325,404.14

TOTAL LIABILITIES & NET ASSETS

7,600,086.73

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures

Budget vs. Actuals July 2013 - Jun 2014

1:19 PM
10/22/13
Accrual Basis

	Fisheries			Operations			TOTAL		
	Jul - Sep 13	Budget	% of Budget	Jul - Sep 13	Budget	% of Budget	Jul - Sep 13	Budget	% of Budget
Income									
3000 REVENUE	265,872.98	1,064,799.00	25.0%	589,530.50	2,358,123.00	25.0%	855,403.48	3,422,922.00	25.0%
3001 - O&M Budget (Clarity Assessments)	0.00	-798,926.02	0.0%	0.00	-1,768,592.50	0.0%	0.00	16,555.00	0.0%
3006 - Warren Act	0.00	-242,912.00	0.0%	0.00	0.00	0.0%	0.00	242,912.00	0.0%
3007 - Renewal Fund	0.00	0.00	0.0%	112.03	0.00	0.0%	112.03	0.00	100.0%
3010 - Interest Income	0.00	0.00	0.0%	618.71	0.00	0.0%	618.71	0.00	100.0%
3020 - Misc Income	0.00	-150,000.00	0.0%	0.00	0.00	0.0%	0.00	150,000.00	0.0%
3026 - Quota Crk X1-CW Cons Bnd	0.00	521,141.00	0.0%	0.00	0.00	0.0%	0.00	521,141.00	0.0%
3027 - Quota Crk X1-CDFG Grant	0.00	-90,000.00	0.0%	0.00	0.00	0.0%	0.00	90,000.00	0.0%
3035 - Cachuma Project Betterment Fund	0.00	-1,819,534.02	0.0%	590,261.24	-1,767,861.76	25.0%	856,134.22	4,443,530.00	19.3%
Total 3000 REVENUE	265,872.98	2,085,407.00	12.7%	590,261.24	2,358,123.00	25.0%	856,134.22	4,443,530.00	19.3%
Total Income	265,872.98	2,085,407.00	12.7%	590,261.24	2,358,123.00	25.0%	856,134.22	4,443,530.00	19.3%
Gross Profit	265,872.98	2,085,407.00	12.7%	590,261.24	2,358,123.00	25.0%	856,134.22	4,443,530.00	19.3%
Expense									
PAYROLL	0.00	-0.02	0.0%	-0.02	0.00	0.0%	-0.02	0.00	100.0%
Gross	0.02	0.00	0.0%	0.00	0.00	0.0%	0.02	0.00	100.0%
Gross-FD	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
Total PAYROLL	0.02	0.00	0.0%	-0.02	0.00	0.0%	0.00	0.00	0.0%
3100 - LABOR - OPERATIONS	0.00	26,959.22	0.0%	26,959.22	0.00	0.0%	26,959.22	0.00	100.0%
3101-E - Engineer	0.00	3,105.36	0.0%	3,105.36	0.00	0.0%	3,105.36	0.00	100.0%
3101-H - Holiday Leave	0.00	597.08	0.0%	597.08	0.00	0.0%	597.08	0.00	100.0%
3101-J - Jury Duty	0.00	2,841.62	0.0%	2,841.62	0.00	0.0%	2,841.62	0.00	100.0%
3101-S - Sick Leave	0.00	4,539.71	0.0%	4,539.71	0.00	0.0%	4,539.71	0.00	100.0%
3101-V - Vacation Leave	0.00	1,026.03	0.0%	1,026.03	0.00	0.0%	1,026.03	0.00	100.0%
3102 - Meter Reading	0.00	30,866.12	0.0%	30,866.12	0.00	0.0%	30,866.12	0.00	100.0%
3103 - SCC Ops	0.00	664.18	0.0%	664.18	0.00	0.0%	664.18	0.00	100.0%
3104 - Veh & Equip Mfnc	0.00	3,100.37	0.0%	3,100.37	0.00	0.0%	3,100.37	0.00	100.0%
3105 - SCADA	0.00	1,552.68	0.0%	1,552.68	0.00	0.0%	1,552.68	0.00	100.0%
3106 - Rodent Bait	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3107 - NORTH PORTAL	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3107-1 - NP INTAKE TOWER	0.00	2,058.10	0.0%	2,058.10	0.00	0.0%	2,058.10	0.00	100.0%
3107-1a - Maintenance	0.00	79.80	0.0%	79.80	0.00	0.0%	79.80	0.00	100.0%
3107-1b - Cleaning	0.00	402.48	0.0%	402.48	0.00	0.0%	402.48	0.00	100.0%
3107-1i - Engineering	0.00	1,133.96	0.0%	1,133.96	0.00	0.0%	1,133.96	0.00	100.0%
3107-1j - Rehabilitation	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
Total 3107-1 - NP INTAKE TOWER	0.00	3,674.34	0.0%	3,674.34	0.00	0.0%	3,674.34	0.00	100.0%
3107-2 - NP CONTROL STATION	0.00	3,579.84	0.0%	3,579.84	0.00	0.0%	3,579.84	0.00	100.0%
3107-2a - Maintenance	0.00	1,127.17	0.0%	1,127.17	0.00	0.0%	1,127.17	0.00	100.0%
3107-2f - Operations	0.00	384.33	0.0%	384.33	0.00	0.0%	384.33	0.00	100.0%
3107-2h - Inspection	0.00	804.96	0.0%	804.96	0.00	0.0%	804.96	0.00	100.0%
3107-2i - Engineering	0.00	5,896.30	0.0%	5,896.30	0.00	0.0%	5,896.30	0.00	100.0%
Total 3107-2 - NP CONTROL STATION	0.00	9,669.01	0.0%	9,669.01	0.00	0.0%	9,669.01	0.00	100.0%
3107-3 - NP TECOLOTE TUNNEL	0.00	98.37	0.0%	98.37	0.00	0.0%	98.37	0.00	100.0%
3107-3a - Maintenance	0.00	98.37	0.0%	98.37	0.00	0.0%	98.37	0.00	100.0%
Total 3107-3 - NP TECOLOTE TUNNEL	0.00	98.37	0.0%	98.37	0.00	0.0%	98.37	0.00	100.0%
Total 3107 - NORTH PORTAL	0.00	9,669.01	0.0%	9,669.01	0.00	0.0%	9,669.01	0.00	100.0%
3108 - GLEN ANNE	0.00	303.84	0.0%	303.84	0.00	0.0%	303.84	0.00	100.0%
3108-1 - GA SOUTH PORTAL	0.00	172.15	0.0%	172.15	0.00	0.0%	172.15	0.00	100.0%
3108-1d - Weed Management	0.00	65.58	0.0%	65.58	0.00	0.0%	65.58	0.00	100.0%
3108-1f - Operations	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3108-1h - Inspection	0.00	541.57	0.0%	541.57	0.00	0.0%	541.57	0.00	100.0%
Total 3108-1 - GA SOUTH PORTAL	0.00	541.57	0.0%	541.57	0.00	0.0%	541.57	0.00	100.0%
Total 3108-2 - GA RESERVOIR	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

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

Budget vs. Actuals July 2013 - Jun 2014

4:19 PM
10/22/13
Accrual Basis

	Fisheries			Operations			TOTAL		
	Jul - Sep 13	Budget	% of Budget	Jul - Sep 13	Budget	% of Budget	Jul - Sep 13	Budget	% of Budget
3108-2d - Weed Management	0.00	664.48	100.0%	185.76	0.00	100.0%	185.76	0.00	100.0%
3108-2h - Inspection	0.00	146.35	100.0%	202.56	0.00	100.0%	202.56	0.00	100.0%
Total 3108-2 - GA RESERVOIR	0.00	810.83	100.0%	388.32	0.00	100.0%	388.32	0.00	100.0%
3108-3 - GA PUMP STATION	0.00	101.28	100.0%	185.76	0.00	100.0%	185.76	0.00	100.0%
3108-3d - Weed Management	0.00	101.28	100.0%	202.56	0.00	100.0%	202.56	0.00	100.0%
Total 3108-3 - GA PUMP STATION	0.00	202.56	100.0%	388.32	0.00	100.0%	388.32	0.00	100.0%
3108-4 - GA TURNOUT	0.00	185.76	100.0%	185.76	0.00	100.0%	185.76	0.00	100.0%
3108-4a - Maintenance	0.00	185.76	100.0%	185.76	0.00	100.0%	185.76	0.00	100.0%
3108-4d - Weed Management	0.00	185.76	100.0%	185.76	0.00	100.0%	185.76	0.00	100.0%
Total 3108-4 - GA TURNOUT	0.00	371.52	100.0%	371.52	0.00	100.0%	371.52	0.00	100.0%
Total 3108 - GLEN ANNE	0.00	1,842.00	100.0%	1,842.00	0.00	100.0%	1,842.00	0.00	100.0%
3110 - LAURO	0.00	1,826.29	100.0%	1,826.29	0.00	100.0%	1,826.29	0.00	100.0%
3110-1 - YARD	0.00	2,736.82	100.0%	2,736.82	0.00	100.0%	2,736.82	0.00	100.0%
3110-1a - Maintenance	0.00	98.37	100.0%	98.37	0.00	100.0%	98.37	0.00	100.0%
3110-1b - Cleaning	0.00	131.16	100.0%	131.16	0.00	100.0%	131.16	0.00	100.0%
3110-1e - Landscaping	0.00	61.92	100.0%	61.92	0.00	100.0%	61.92	0.00	100.0%
3110-1h - Inspection	0.00	4,854.56	100.0%	4,854.56	0.00	100.0%	4,854.56	0.00	100.0%
3110-1j - Rehabilitation	0.00	92.88	100.0%	92.88	0.00	100.0%	92.88	0.00	100.0%
Total 3110-1 - YARD	0.00	92.88	100.0%	92.88	0.00	100.0%	92.88	0.00	100.0%
3110-2 - CONTROL STATION	0.00	262.52	100.0%	262.52	0.00	100.0%	262.52	0.00	100.0%
3110-2i - Engineering	0.00	84.43	100.0%	84.43	0.00	100.0%	84.43	0.00	100.0%
Total 3110-2 - CONTROL STATION	0.00	346.95	100.0%	346.95	0.00	100.0%	346.95	0.00	100.0%
3110-3 - RESERVOIR	0.00	5,294.39	100.0%	5,294.39	0.00	100.0%	5,294.39	0.00	100.0%
3110-3a - Landscaping	0.00	434.24	100.0%	434.24	0.00	100.0%	434.24	0.00	100.0%
3110-3h - Inspection	0.00	3,626.99	100.0%	3,626.99	0.00	100.0%	3,626.99	0.00	100.0%
Total 3110-3 - RESERVOIR	0.00	4,061.23	100.0%	4,061.23	0.00	100.0%	4,061.23	0.00	100.0%
3112 - SHEFFIELD	0.00	4,061.23	100.0%	4,061.23	0.00	100.0%	4,061.23	0.00	100.0%
3112-2 - TUNNEL	0.00	2,678.98	100.0%	2,678.98	0.00	100.0%	2,678.98	0.00	100.0%
3112-2b - Cleaning	0.00	294.22	100.0%	294.22	0.00	100.0%	294.22	0.00	100.0%
3112-2h - Inspection	0.00	2,373.20	100.0%	2,373.20	0.00	100.0%	2,373.20	0.00	100.0%
Total 3112-2 - TUNNEL	0.00	2,678.98	100.0%	2,678.98	0.00	100.0%	2,678.98	0.00	100.0%
3113 - ORTEGA	0.00	144.24	100.0%	144.24	0.00	100.0%	144.24	0.00	100.0%
3113-1 - CONTROL STATION	0.00	89.62	100.0%	89.62	0.00	100.0%	89.62	0.00	100.0%
3113-1a - Maintenance	0.00	452.40	100.0%	452.40	0.00	100.0%	452.40	0.00	100.0%
3113-1b - Cleaning	0.00	686.26	100.0%	686.26	0.00	100.0%	686.26	0.00	100.0%
Total 3113-1 - CONTROL STATION	0.00	3,659.46	100.0%	3,659.46	0.00	100.0%	3,659.46	0.00	100.0%
3113-2 - RESERVOIR	0.00	144.24	100.0%	144.24	0.00	100.0%	144.24	0.00	100.0%
3113-2d - Weed Management	0.00	89.62	100.0%	89.62	0.00	100.0%	89.62	0.00	100.0%
3113-2f - Operations	0.00	452.40	100.0%	452.40	0.00	100.0%	452.40	0.00	100.0%
3113-2h - Inspection	0.00	686.26	100.0%	686.26	0.00	100.0%	686.26	0.00	100.0%
Total 3113-2 - RESERVOIR	0.00	3,659.46	100.0%	3,659.46	0.00	100.0%	3,659.46	0.00	100.0%
3114 - BOUNDARY METER	0.00	65.58	100.0%	65.58	0.00	100.0%	65.58	0.00	100.0%
3114-1 - VAULT	0.00	356.24	100.0%	356.24	0.00	100.0%	356.24	0.00	100.0%
3114-1a - Maintenance	0.00	371.52	100.0%	371.52	0.00	100.0%	371.52	0.00	100.0%
3114-1f - Operations	0.00	65.58	100.0%	65.58	0.00	100.0%	65.58	0.00	100.0%
3114-1h - Inspection	0.00	356.24	100.0%	356.24	0.00	100.0%	356.24	0.00	100.0%
Total 3114 - BOUNDARY METER	0.00	371.52	100.0%	371.52	0.00	100.0%	371.52	0.00	100.0%

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures

Budget vs. Actuals July 2013 - Jun 2014

1:19 PM
10/22/13
Accrual Basis

	Fisheries		Operations		TOTAL	
	Jul - Sep 13	Budget	Jul - Sep 13	Budget	Jul - Sep 13	Budget
Total 3114-1 - VAULT	0.00	0.00	793.34	0.00	793.34	793.34
Total 3114 - BOUNDARY METER	0.00	0.00	793.34	0.00	793.34	793.34
3115 - CARPINTERIA						
3115-1 - CONTROL STATION	0.00	0.00	624.60	0.00	624.60	624.60
3115-1a - Maintenance	0.00	0.00	624.60	0.00	624.60	624.60
Total 3115-1 - CONTROL STATION						
3115-2 - RESERVOIR	0.00	0.00	783.12	0.00	783.12	783.12
3115-2a - Maintenance	0.00	0.00	1,101.04	0.00	1,101.04	1,101.04
3115-2d - Weed Management	0.00	0.00	732.78	0.00	732.78	732.78
3115-2e - Landscaping	0.00	0.00	80.88	0.00	80.88	80.88
3115-2h - Inspection	0.00	0.00	2,697.82	0.00	2,697.82	2,697.82
Total 3115-2 - RESERVOIR	0.00	0.00	3,322.42	0.00	3,322.42	3,322.42
Total 3115 - CARPINTERIA	0.00	0.00	11,513.78	0.00	11,513.78	11,513.78
3116 - GOLETA REACH						
3116-1 - STRUCTURES	0.00	0.00	382.50	0.00	382.50	382.50
3116-1a - Maintenance	0.00	0.00	92.88	0.00	92.88	92.88
3116-1h - Inspection	0.00	0.00	11,989.16	0.00	11,989.16	11,989.16
3116-1i - Engineering	0.00	0.00	192.32	0.00	192.32	192.32
Total 3116-1 - STRUCTURES	0.00	0.00	192.32	0.00	192.32	192.32
3116-2 - LATERAL METERS	0.00	0.00	613.86	0.00	613.86	613.86
3116-2a - Maintenance	0.00	0.00	613.86	0.00	613.86	613.86
Total 3116-2 - LATERAL METERS	0.00	0.00	12,795.34	0.00	12,795.34	12,795.34
3116-4 - CONDUIT	0.00	0.00	6,591.14	0.00	6,591.14	6,591.14
3116-4h - Inspection	0.00	0.00	1,207.59	0.00	1,207.59	1,207.59
Total 3116-4 - CONDUIT	0.00	0.00	2,260.08	0.00	2,260.08	2,260.08
Total 3116 - GOLETA REACH	0.00	0.00	10,532.81	0.00	10,532.81	10,532.81
3117 - CARPINTERIA REACH						
3117-1 - STRUCTURES	0.00	0.00	938.10	0.00	938.10	938.10
3117-1a - Maintenance	0.00	0.00	938.10	0.00	938.10	938.10
3117-1h - Inspection	0.00	0.00	11,470.91	0.00	11,470.91	11,470.91
3117-1i - Engineering	0.00	0.00	62,112.94	0.00	62,112.94	62,112.94
3117-1j - Rehabilitation	0.00	0.00	23,318.84	0.00	23,318.84	23,318.84
Total 3117-1 - STRUCTURES	0.00	0.00	8,675.30	0.00	8,675.30	8,675.30
3117-4 - CONDUIT	0.00	0.00	2,028.92	0.00	2,028.92	2,028.92
3117-4h - Inspection	0.00	0.00	0.00	0.00	0.00	0.00
Total 3117-4 - CONDUIT	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3117 - CARPINTERIA REACH	0.00	0.00	11,470.91	0.00	11,470.91	11,470.91
3150 - Health & Workers Comp	0.00	0.00	196,657.00	0.00	196,657.00	196,657.00
3155 - PERS	0.00	0.00	90,035.00	0.00	90,035.00	90,035.00
3160 - Ops Co FICA	0.00	0.00	30,828.00	0.00	30,828.00	30,828.00
3165 - Ops Co Medicare	0.00	0.00	7,209.92	0.00	7,209.92	7,209.92
3100 - LABOR - OPERATIONS - Other	0.00	0.00	497,218.00	0.00	497,218.00	497,218.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
3200 VEH & EQUIPMENT	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
3201 - Vehicle/Equip Mtce	0.00	0.00	5,869.74	0.00	5,869.74	5,869.74
3202 - Fixed Capital	0.00	0.00	15,000.00	0.00	15,000.00	15,000.00
3203 - Equipment Rental	0.00	0.00	1,926.52	0.00	1,926.52	1,926.52
3204 - Miscellaneous	0.00	0.00	642.60	0.00	642.60	642.60
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47	0.00	224,296.47	224,296.47
Total 3100 - LABOR - OPERATIONS	0.00	0.00	821,947.00	0.00	821,947.00	821,947.00
Total 3100 - LABOR - OPERATIONS	0.00	0.00	224,296.47			

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures

Budget vs. Actuals July 2013 - Jun 2014

	Fisheries			Operations			TOTAL		
	Jul - Sep 13	Budget	% of Budget	Jul - Sep 13	Budget	% of Budget	Jul - Sep 13	Budget	% of Budget
Total 3200 VEH & EQUIPMENT	0.00			8,438.86	55,000.00	15.3%	8,438.86	55,000.00	15.3%
3300 - CONTRACT LABOR	0.00			4,635.00	20,000.00	23.2%	4,635.00	20,000.00	23.2%
3301 - Conduit, Meter, Valve & Misc	0.00			2,200.55	20,000.00	11.0%	2,200.55	20,000.00	11.0%
3302 - Buildings & Roads	0.00			10,000.00	10,000.00	100.0%	10,000.00	10,000.00	100.0%
3303 - Reservoirs	0.00			0.00	10,000.00	0.0%	0.00	10,000.00	0.0%
3304 - Engineering, Misc Services	0.00			16,835.55	60,000.00	28.1%	16,835.55	60,000.00	28.1%
Total 3300 - CONTRACT LABOR	0.00			8,438.86	55,000.00	15.3%	8,438.86	55,000.00	15.3%
3400 - MATERIALS & SUPPLIES	0.00			897.85	25,000.00	3.6%	897.85	25,000.00	3.6%
3401 - Conduit, Meter, Valve & Misc	0.00			1,059.97	15,000.00	7.1%	1,059.97	15,000.00	7.1%
3402 - Buildings & Roads	0.00			3,492.00	10,000.00	34.9%	3,492.00	10,000.00	34.9%
3403 - Reservoirs	0.00			5,449.82	50,000.00	10.9%	5,449.82	50,000.00	10.9%
Total 3400 - MATERIALS & SUPPLIES	0.00			8,438.86	55,000.00	15.3%	8,438.86	55,000.00	15.3%
3500 - OTHER EXPENSES	0.00			1,654.22	7,000.00	23.6%	1,654.22	7,000.00	23.6%
3501 - Utilities	0.00			110.39	6,000.00	1.8%	110.39	6,000.00	1.8%
3502 - Uniforms	0.00			4,448.41	18,000.00	24.7%	4,448.41	18,000.00	24.7%
3503 - Communications	0.00			300.00	4,000.00	7.5%	300.00	4,000.00	7.5%
3504 - USA & Other Services	0.00			3,796.73	8,000.00	47.5%	3,796.73	8,000.00	47.5%
3505 - Miscellaneous	0.00			1,182.35	3,000.00	39.4%	1,182.35	3,000.00	39.4%
3506 - Training	0.00			11,494.10	46,000.00	25.0%	11,494.10	46,000.00	25.0%
Total 3500 - OTHER EXPENSES	0.00			11,494.10	46,000.00	25.0%	11,494.10	46,000.00	25.0%
4100 - LABOR - FISHERIES	24,335.64	105,057.00	23.2%	0.00			24,335.64	105,057.00	23.2%
4101 - Senior Resource Scientist	24,852.46	94,842.00	26.2%	0.00			24,852.46	94,842.00	26.2%
4102 - Project Biologist	20,561.08	76,859.00	26.8%	0.00			20,561.08	76,859.00	26.8%
4103 - Biologist	10,906.74	10,906.74	100.0%	0.00			10,906.74	10,906.74	100.0%
4104 - Oak Tree Program	0.00	13,920.00	0.0%	0.00			0.00	13,920.00	0.0%
4114 - Seasonal Aide - JG	116.00	13,920.00	0.8%	0.00			116.00	13,920.00	0.8%
4115 - Seasonal Aide - RK	290.00	13,920.00	2.1%	0.00			290.00	13,920.00	2.1%
4116 - Seasonal Aide - DR	174.00	13,920.00	1.3%	0.00			174.00	13,920.00	1.3%
4117 - Seasonal Aide - BJ	0.00	13,920.00	0.0%	0.00			0.00	13,920.00	0.0%
4118 - Seasonal Aide	0.00	13,920.00	0.0%	0.00			0.00	13,920.00	0.0%
4119 - Seasonal Aide	23,208.03	92,102.00	25.2%	0.00			23,208.03	92,102.00	25.2%
4150 - FD Health & WC	13,852.66	53,968.00	25.7%	0.00			13,852.66	53,968.00	25.7%
4151 - FD PERS	5,507.31	22,337.00	24.7%	0.00			5,507.31	22,337.00	24.7%
4152 - FD Co FICA	1,288.00	5,224.00	24.7%	0.00			1,288.00	5,224.00	24.7%
4153 - FD Co Medicare	125,091.92	533,909.00	23.4%	0.00			125,091.92	533,909.00	23.4%
Total 4100 - LABOR - FISHERIES	24,335.64	105,057.00	23.2%	0.00			24,335.64	105,057.00	23.2%
4200 - VEHICLES & EQUIP - FISHERIES	2,062.11	13,000.00	15.9%	0.00			2,062.11	13,000.00	15.9%
4270 - Vehicle/Equip Mice	6,739.00	52,300.00	12.9%	0.00			6,739.00	52,300.00	12.9%
4280 - Fixed Capital	143.00	2,500.00	5.7%	0.00			143.00	2,500.00	5.7%
4290 - Miscellaneous	8,944.11	67,800.00	13.2%	0.00			8,944.11	67,800.00	13.2%
Total 4200 - VEHICLES & EQUIP - FISHERIES	2,062.11	13,000.00	15.9%	0.00			2,062.11	13,000.00	15.9%
4220 - CONTRACT LABOR - FISHERIES	0.00	3,000.00	0.0%	0.00			0.00	3,000.00	0.0%
4221 - Meters & Valves	0.00	13,000.00	0.0%	0.00			0.00	13,000.00	0.0%
4222 - Fish Projects Maintenance	0.00	16,000.00	0.0%	0.00			0.00	16,000.00	0.0%
Total 4220 - CONTRACT LABOR - FISHERIES	0.00	3,000.00	0.0%	0.00			0.00	3,000.00	0.0%
4300 - MATERIALS/SUPPLIES - FISHERIES	230.75	15,350.00	1.5%	0.00			230.75	15,350.00	1.5%
4390 - Miscellaneous	230.75	15,350.00	1.5%	0.00			230.75	15,350.00	1.5%
Total 4300 - MATERIALS/SUPPLIES - FISHERIES	230.75	15,350.00	1.5%	0.00			230.75	15,350.00	1.5%
4500 - OTHER EXPENSES - FISHERIES	511.99	2,500.00	20.5%	0.00			511.99	2,500.00	20.5%
4502 - Uniforms	511.99	2,500.00	20.5%	0.00			511.99	2,500.00	20.5%
Total 4500 - OTHER EXPENSES - FISHERIES	511.99	2,500.00	20.5%	0.00			511.99	2,500.00	20.5%
4998 - GENERAL & ADMINISTRATIVE	0.00			0.00			0.00		
5000 - Director Fees	0.00			0.00			0.00		

Cachuma Operation & Maintenance Board Statement of Revenues and Expenditures

Budget vs. Actuals July 2013 - Jun 2014

1:19 PM
10/22/13
Accrual Basis

	Fisheries			Operations			TOTAL		
	Jul - Sep 13	Budget	% of Budget	Jul - Sep 13	Budget	% of Budget	Jul - Sep 13	Budget	% of Budget
5001 - Director Mileage	0.00	2,000.00	14.1%	-1,717.31	2,000.00	14.1%	-1,717.31	2,000.00	14.1%
5000 - Director Fees - Other	0.00	11,000.00	27.2%	-8,004.80	11,000.00	27.2%	-8,004.80	11,000.00	27.2%
Total 5000 - Director Fees	0.00	13,000.00	25.2%	-9,722.11	13,000.00	25.2%	-9,722.11	13,000.00	25.2%
5100 - Legal	0.00	100,000.00	12.5%	-87,499.00	100,000.00	12.5%	-87,499.00	100,000.00	12.5%
5101-1 - Audit	0.00	11,700.00	15.8%	-9,854.65	11,700.00	15.8%	-9,854.65	11,700.00	15.8%
5150 - Unemployment Tax	0.00	25,000.00	0.0%	0.00	25,000.00	0.0%	0.00	25,000.00	0.0%
5200 - Liability Insurance	0.00	42,705.00	68.8%	-13,334.00	42,705.00	68.8%	-13,334.00	42,705.00	68.8%
5201 - Health & Workers Comp	0.00	178,241.00	19.8%	-143,027.82	178,241.00	19.8%	-143,027.82	178,241.00	19.8%
5250 - PERS	0.00	13,500.93	22.6%	-46,141.07	13,500.93	22.6%	-46,141.07	13,500.93	22.6%
5260 - Company FICA Admin	0.00	4,952.85	26.2%	-14,000.15	4,952.85	26.2%	-14,000.15	4,952.85	26.2%
5265 - Company MCARE Admin	0.00	1,160.68	26.2%	-3,274.32	1,160.68	26.2%	-3,274.32	1,160.68	26.2%
5300 - Manager Salary	0.00	17,850.00	15.3%	-99,150.00	17,850.00	15.3%	-99,150.00	17,850.00	15.3%
5301 - Administrative Manager	0.00	17,850.00	27.0%	-19,366.08	17,850.00	27.0%	-19,366.08	17,850.00	27.0%
5304 - Administrative Secretary	0.00	19,366.08	27.3%	-27,242.66	19,366.08	27.3%	-27,242.66	19,366.08	27.3%
5306 - Administrative Assistant	0.00	10,204.34	29.2%	-28,530.10	10,204.34	29.2%	-28,530.10	10,204.34	29.2%
5307 - Water Resources Technician	0.00	11,771.90	27.4%	-10,791.04	11,771.90	27.4%	-10,791.04	11,771.90	27.4%
5310 - Office Equip/Leases	0.00	10,791.04	26.8%	-6,559.69	10,791.04	26.8%	-6,559.69	10,791.04	26.8%
5311 - Office Equip/Leases	0.00	2,440.31	19.8%	-7,775.14	2,440.31	19.8%	-7,775.14	2,440.31	19.8%
5312 - Misc Admin Expenses	0.00	9,100.00	15.1%	-9,163.96	9,100.00	15.1%	-9,163.96	9,100.00	15.1%
5313 - Communications	0.00	3,568.89	44.5%	-4,436.11	3,568.89	44.5%	-4,436.11	3,568.89	44.5%
5314 - Utilities	0.00	1,136.64	11.7%	-8,600.36	1,136.64	11.7%	-8,600.36	1,136.64	11.7%
5315 - Membership Dues	0.00	6,425.00	0.0%	0.00	6,425.00	0.0%	0.00	6,425.00	0.0%
5316 - Admin Fixed Assets	0.00	4,000.00	0.0%	0.00	4,000.00	0.0%	0.00	4,000.00	0.0%
5318 - Computer Consultant	0.00	16,625.00	24.4%	-12,572.52	16,625.00	24.4%	-12,572.52	16,625.00	24.4%
5325 - Emp Training/Subscriptions	0.00	2,000.00	4.2%	-1,916.15	2,000.00	4.2%	-1,916.15	2,000.00	4.2%
5330 - Admin Travel/Conferences	0.00	466.63	24.8%	-1,503.37	466.63	24.8%	-1,503.37	466.63	24.8%
5331 - Public Information	0.00	340.27	34.0%	-659.73	340.27	34.0%	-659.73	340.27	34.0%
Total 4999 - GENERAL & ADMINISTRATIVE	0.00	838,906.00	22.3%	-651,438.79	838,906.00	22.3%	-651,438.79	838,906.00	22.3%
5400 - GENERAL & ADMIN - FISHERIES	11,349.59	44,671.00	25.4%	-33,321.41	44,671.00	25.4%	-33,321.41	44,671.00	25.4%
5401 - Health & Workers Comp.	7,269.83	32,115.00	22.6%	-24,845.17	32,115.00	22.6%	-24,845.17	32,115.00	22.6%
5403 - Company Fica	2,672.33	10,210.00	26.2%	-7,537.67	10,210.00	26.2%	-7,537.67	10,210.00	26.2%
5404 - Admin Secretary	5,494.64	20,163.00	27.3%	-14,668.36	20,163.00	27.3%	-14,668.36	20,163.00	27.3%
5405 - GH Salary	9,611.54	63,000.00	15.3%	-53,388.46	63,000.00	15.3%	-53,388.46	63,000.00	15.3%
5406 - Company MCar	624.98	2,389.00	26.2%	-1,764.02	2,389.00	26.2%	-1,764.02	2,389.00	26.2%
5407 - Legal - FD	8,430.00	25,000.00	33.7%	-16,570.00	25,000.00	33.7%	-16,570.00	25,000.00	33.7%
5408 - Administrative Manager	10,427.92	38,646.00	27.0%	-28,218.08	38,646.00	27.0%	-28,218.08	38,646.00	27.0%
5409 - Administrative Assistant	6,338.71	21,701.00	29.2%	-15,362.29	21,701.00	29.2%	-15,362.29	21,701.00	29.2%
5410 - Postage / Office Supplies	1,215.61	4,900.00	24.8%	-3,684.39	4,900.00	24.8%	-3,684.39	4,900.00	24.8%
5411 - Office Equipment / Leases	1,031.58	5,218.00	19.8%	-4,186.42	5,218.00	19.8%	-4,186.42	5,218.00	19.8%
5412 - Misc. Admin Expenses	1,337.91	5,810.00	23.0%	-4,472.09	5,810.00	23.0%	-4,472.09	5,810.00	23.0%
5413 - Communications	2,018.57	4,305.00	46.9%	-2,286.43	4,305.00	46.9%	-2,286.43	4,305.00	46.9%
5414 - Utilities	612.04	5,243.00	11.7%	-4,630.96	5,243.00	11.7%	-4,630.96	5,243.00	11.7%
5415 - Membership Dues	0.00	2,900.00	0.0%	0.00	2,900.00	0.0%	0.00	2,900.00	0.0%
5416 - Admin Fixed Assets	0.00	4,000.00	0.0%	0.00	4,000.00	0.0%	0.00	4,000.00	0.0%
5418 - Computer Consultant	2,182.08	9,000.00	24.2%	-6,817.92	9,000.00	24.2%	-6,817.92	9,000.00	24.2%
5425 - Employee Education/Subsctiption	45.15	2,500.00	1.8%	-2,454.85	2,500.00	1.8%	-2,454.85	2,500.00	1.8%
5426 - Director Fees	1,612.80	6,000.00	26.9%	-4,387.20	6,000.00	26.9%	-4,387.20	6,000.00	26.9%
5427 - Director Mileage	152.24	1,000.00	15.2%	-847.76	1,000.00	15.2%	-847.76	1,000.00	15.2%
5430 - Travel	255.91	2,500.00	10.2%	-2,244.09	2,500.00	10.2%	-2,244.09	2,500.00	10.2%
5431 - Public Information	126.87	1,500.00	8.5%	-1,373.13	1,500.00	8.5%	-1,373.13	1,500.00	8.5%
5441 - Audit	993.65	6,300.00	15.8%	-5,306.35	6,300.00	15.8%	-5,306.35	6,300.00	15.8%
5443 - Liab & Property Ins	15,815.00	21,595.00	73.2%	-5,780.00	21,595.00	73.2%	-5,780.00	21,595.00	73.2%
5450 - Water Resources Technician	5,810.56	21,182.00	27.4%	-15,371.44	21,182.00	27.4%	-15,371.44	21,182.00	27.4%
Total 5400 - GENERAL & ADMIN - FISHERIES	95,429.51	361,848.00	26.4%	-266,418.49	361,848.00	26.4%	-266,418.49	361,848.00	26.4%
5410 - Integrated Reg. Water Mgt Plan	0.00	5,000.00	0.0%	-5,000.00	5,000.00	0.0%	-5,000.00	5,000.00	0.0%
5000 - SPECIAL PROJECTS	0.00	30,000.00	2.0%	-29,388.64	30,000.00	2.0%	-29,388.64	30,000.00	2.0%
6062 - SCADA	0.00	20,000.00	4.3%	-19,141.39	20,000.00	4.3%	-19,141.39	20,000.00	4.3%
6090 - COMB Office Building	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

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

www.treasurer.ca.gov/pmia-la
October 09, 201

CACHUMA OPERATION AND MAINTENANCE BOARD

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

PMIA Average Monthly Yields

Tran Type Definitions

September 2013 Statement

Account Summary

Total Deposit:	0.00	Beginning Balance:	3,883.72
Total Withdrawal:	0.00	Ending Balance:	3,883.72

MEMO TO: Board of Directors
Cachuma Operation & Maintenance Board

FROM: Randall Ward, Secretary

SUBJECT: COMB INVESTMENT POLICY

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



STATEMENT OF ACCOUNTS

UNION BANK
LOCAL GOVERNMENT CENTRAL COAST 0986
PO BOX 513840
LOS ANGELES CA 90051-3840

Page 1 of 1
CACHUMA OPERATION & MAINTENANC
Statement Number: 0102335072
8/31/13 - 9/30/13

Customer Inquiries
800-798-6466

Thank you for banking with us
since 1982

CY30MZ0B0000 0179555-207448 360365
CACHUMA OPERATION & MAINTENANCE BOARD
MASTER CONTRACT RENEWAL FUND
3301 LAUREL CANYON RD
SANTA BARBARA CA 93105-2017

BUSINESS ESSENTIALS INTEREST CHK SUMMARY

Days in statement period: 31

Table with columns for Beginning balance on 8/31, Total Credits, Total Debits, Ending Balance on 9/30, Interest, and Interest Rates. Values include 10,163.35, 0.43, -12.32, 10,151.46, 0.43, 14.68, 0.05%.

CREDITS

Other credits and adjustments

Table with columns: Date, Description, Reference, Amount. Row: 9/30 INTEREST PAYMENT \$ 0.43

DEBITS

Other debits, fees and adjustments

Table with columns: Date, Description, Reference, Amount. Row: 9/25 ANALYSIS DEFICIT AUG 2 013 90252731 \$ 12.32

DAILY LEDGER BALANCE

Table with columns: Date, Ledger Balance, Date, Ledger Balance, Date, Ledger Balance. Values: 8/31-9/24 \$ 10,163.35, 9/25-9/29 \$ 10,151.03, 9/30 \$ 10,151.46

MEMO TO: Board of Directors
Cachuma Operation & Maintenance Board

FROM: Randall Ward, Secretary

SUBJECT: COMB INVESTMENT POLICY

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

Handwritten signature of Randall Ward
Secretary



STATEMENT OF ACCOUNTS

UNION BANK
LOCAL GOVERNMENT CENTRAL COAST 0986
PO BOX 513840
LOS ANGELES CA 90051-3840

Page 1 of 1
CACHUMA OPERATION & MAINTENANC
Statement Number: 0102335080
8/31/13 - 9/30/13

Customer Inquiries
800-798-6466

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CY30MZ0B0000 0179556-207449 360365
CACHUMA OPERATION & MAINTENANCE BOARD
CACHUMA PROJECT TRUST FUND
3301 LAUREL CANYON RD
SANTA BARBARA CA 93105-2017

BUSINESS MONEYMARKET ACCOUNT SUMMARY

Table with columns for account summary items: Days in statement period, Beginning balance, Total Credits, Total Debits, Ending Balance, Interest, and Interest Rates.

CREDITS

Other credits and adjustments

Table with columns: Date, Description, Reference, Amount. Includes entry for 9/30 INTEREST PAYMENT.

DAILY LEDGER BALANCE

Table with columns: Date, Ledger Balance, Date, Ledger Balance, Date, Ledger Balance. Shows balance changes for 8/31-9/29 and 9/30.

MEMO TO: Board of Directors
Cachuma Operation & Maintenance Board
FROM: Randall Ward, Secretary
SUBJECT: COMB INVESTMENT POLICY

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

Handwritten signature of Randall Ward
Secretary

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10/21/13
Accrual Basis

comb2
Payment of Claims
As of September 30, 2013

Date	Num	Name	Memo	Amount
1050	GENERAL FUND			
09/18/2013	22108	ACWA/Joint Powers Insurance Authority	Auto / General Liability Program Policy 2013-14	-45,186.00
09/18/2013	22109	Alonzo Orozco	Aug mtg fees	-271.98
09/18/2013	22110	AT&T	Aug statement	-399.04
09/18/2013	22111	Big Brand Tire Company	F550 Service	-504.64
09/18/2013	22112	Boone Graphics	Business Cards - RW - SK	-111.66
09/18/2013	22113	Cardno ENTRIX	AMC/CC Participation/tech support-Jul	-1,120.95
09/18/2013	22114	Carpinteria Valley Lumber Company	Concrete mix	-12.92
09/18/2013	22115	Central Coast Salmon Enhancement, Inc.	MOU Identified Support 2012/2013	-5,000.00
09/18/2013	22116	CIO Solutions, LP	SCADA remote engineering	-248.50
09/18/2013	22117	City of Santa-Barbara	Trash/Recycling August 2013	-251.76
09/18/2013	22118	Coastal Copy, LP	Mtce agmts-copiers	-253.08
09/18/2013	22119	Culligan Water	Monthly RO system	-24.95
09/18/2013	22120	Dale Francisco	Aug mtg fees	-398.05
09/18/2013	22121	Dennis E. Beebe	Aug mtg fees	-320.08
09/18/2013	22122	Farwest Corrosion Control Co.	Cathodic Protection System Evaluation	-1,950.00
09/18/2013	22123	Fence Factory	Ballards at NP	-140.62
09/18/2013	22124	Flowers & Associates, Inc.	Technical services-Sheffield Tunnel	-1,000.00
09/18/2013	22125	Harrison Hardware	Wire rope/clamps-misc fisheries supplies	-18.23
09/18/2013	22126	Home Depot Credit Services	Mat's to ship boundary meter/supp for ballards-NP	-137.16
09/18/2013	22127	Hydrex Pest Control Co.	Pest service-Lauro grounds/bldgs	-108.00
09/18/2013	22128	Instrument Control Services	WonderWare upgrade/temp transmitter	-14,770.11
09/18/2013	22129	Lauren W. Hanson	Aug mtg fees	-267.30
09/18/2013	22130	MarBorg Industries	Portable toilets	-328.37
09/18/2013	22131	O'Reilly Automotive, Inc.	Battery for Silverado	-91.40
09/18/2013	22132	Orchard Commercial Services	Paint / Supplies	-71.78
09/18/2013	22133	OS Systems, Inc.	Dry Suit repair	-452.56
09/18/2013	22134	Paychex, Inc.	8/16 - 8/30 payrolls/taxes/deliveries	-309.40
09/18/2013	22135	Praxair Distribution, Inc	Cylinder rental-acetylene for welder	-67.43
09/18/2013	22136	Premiere Global Services	August conf. calls	-11.12
09/18/2013	22137	Prudential Overall Supply	Mats/scrapers for offices	-99.48
09/18/2013	22138	RCB Elevator Consulting, LLC	Elevator Interim Design	-3,850.00
09/18/2013	22139	Southern California Edison	Main ofc/outlying stations	-1,768.03
09/18/2013	22140	Tri-Co Reprographics	Plan copies-Quiota Creek Xng 1	-168.45
09/18/2013	22141	Verizon California	Main ofc/outlying stations	-420.85
09/18/2013	22142	W. Douglas Morgan	Aug mtg fees	-417.91
09/26/2013	22143	ACWA-Joint Powers Insurance Authority	September coverage	-24,475.28
09/26/2013	22144	Bartlett, Pringle & Wolf, LLP	Auditor services	-2,839.00
09/26/2013	22146	Business Card	Web hosting/lunch mtg/Satellite fee/PAPA seminars	-601.66
09/26/2013	22147	Capitol Elevator Company, Inc.	NP Elevator Interim solution	-14,500.00
09/26/2013	22148	CIO Solutions, LP	Monthly contract - September	-1,899.74
09/26/2013	22149	City of Santa Barbara-Central Stores	PPE supp-gloves/dust masks/ear plugs/safety glasses	-179.96
09/26/2013	22150	Cox Communications	Business internet-Sep	-195.00
09/26/2013	22151	Crop Production Services, Inc	Rodent bait	-125.25
09/26/2013	22152	ECHO Communications	Answering service	-62.00
09/26/2013	22153	GE Capital	Lease agmts-copiers	-489.24
09/26/2013	22154	Granite Construction Company	Material for NP revetment work	-3,366.75
09/26/2013	22155	J&C Services	Office cleaning services 8/23, 8/30, 9/6, 9/13	-600.00
09/26/2013	22156	MarVac Electronics	Batteries for PLCs	-202.82
09/26/2013	22157	Nextel Communications	Cellular-Ops field crew/on-call	-586.26
09/26/2013	22158	Powell Garage	2008 Ford Explorer svc	-305.90
09/26/2013	22159	Prudential Overall Supply	Mats/scrapers for offices	-52.06
09/26/2013	22160	Randall Ward	Reimb-cab (airline)/steel toe boots	-279.72
09/26/2013	22161	Santa Barbara News Press	Quiota Crk Xng1 Notice Inviting Bids (2nd round)	-119.68
09/26/2013	22162	Santa Ynez River Water Cons. Dist. ID#1	Stetson-Jul BO/FMP tech supp/SYR Hydrology supp	-1,904.75
09/26/2013	22163	Sherwin Williams Co.	Stetson-Aug BO/FMP tech supp/SYR Hydrology supp	
09/26/2013	22164	Southern California Edison	Misc paint supplies	-321.24
09/26/2013	22165	Spatial Wave	Outlying stations	-80.74
			July - September Field Mapplet Software mtce	-900.00

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10/21/13
Accrual Basis

comb2
Payment of Claims
As of September 30, 2013

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
09/26/2013	22166	Staples Contract and Commercial, Inc.	Office Supplies	-326.93
09/26/2013	22167	Underground Service Alert of So. Calif.	50 Ticket charges	-75.00
09/26/2013	22168	Verizon California	SCADA	-505.17
09/26/2013	22169	Verizon Wireless	Modems-Boundary & Ortega/Cellular-Eng & Fisheries	-357.91
09/26/2013	22170	Wright Express Fleet Services	Fleet fuel	-1,722.17
09/30/2013	22171	Bureau of Reclamation	Lauro Dam SOD Act payment	-32,088.00
09/30/2013	22172	Bureau of Reclamation	Bradbury Dam SOD ACT payment	-164,869.70
Total 1050 · GENERAL FUND				<u>-334,583.74</u>
TOTAL				<u>-334,583.74</u>



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."

DATE: October 28, 2013

General Manager Report

Over the course of the past few weeks I have been given the opportunity to be introduced and speak to three Member Unit (MU) Boards and the City of Santa Barbara Water Commission. Each of the Directors organizations appeared to be informed of COMB issues and was receptive to my brief comments. At my invitation, many members expressed an interest in the opportunity to tour Cachuma Project facilities.

- **USBR Site Inspection:** COMB staff provided the Operations Committee with a briefing on the draft response to the USBR's comprehensive 6-year review of Cachuma Project Facilities. Following that meeting draft comments were forwarded to COMB Directors and MU Managers for review and comment. Once comments are received and incorporated into the response the document will be forwarded to USBR.
- **Encroachment Permit Process:** COMB staff briefed and sought direction from the Operations Committee regarding potential revisions to the encroachment permit process. Staff solicited the Operations Committee's perspective on increasing encroachment permit fees to more accurately reflect processing, oversight cost and protection of the South Coast Conduit. The Committee agreed that MU budgetary support of COMB permit processes should not unnecessarily result in a subsidy to those interests seeking permits. Staff is in the process of developing a formal proposal that will be returned to the Committee for review and recommendation to the Board.
- **AVAR Bid Package:** COMB staff and an independent engineer have nearly completed a bid package for the four AVAR's included in the 2013-14 capital construction program. This project is complex and will require coordinated construction at all four sites, a shutdown of a portion of the South Coast Conduit and, will require dewatering prior to construction and re-watering following completion. The timing of construction will be closely coordinated with the affected MU's.
- **Drought Contingency Planning:** COMB and the County of Santa Barbara sponsored two meetings with Member Units to begin drought contingency planning. The purpose of the meetings was to share past drought related information and discuss necessary advance planning activities in preparation of continuation of the current 2-year drought. The actions recommended by those in attendance have been provided to the Member Units for review and comment. I have additionally requested the opportunity to discuss this important planning effort with each COMB Director. The action item included in the agenda contains additional information on drought planning effort activities.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'Randall M. Ward', written over a light blue horizontal line.

General Manager

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	October 28, 2013
Submitted by:	Randall Ward

SUBJECT: Drought Contingency Planning

County of Santa Barbara Pre-Qualified Master Services Agreement Contractor List
Fiscal Year 2012-13 Unexpended Funds
FY 2013-14 Budget Adjustment
Project Manager Professional Services Contract
Environmental / Legal Services

SUMMARY:

The following information and recommended action items before the Board are presented in conjunction with emergency drought contingency planning efforts undertaken by the County of Santa Barbara (County), participating Member Units (MUs) and COMB staff. Immediate planning activities are necessary to prepare for the potential of a third year's drought impact on the Lake Cachuma water level. Lake Cachuma water storage information reviewed by the County of Santa Barbara and participating Member Unit Managers determined, for planning purposes, a September 1, 2014, implementation of those activities that will be required if the drought continues and the lake level declines to a level that calls for an alternative to gravity water intake through the North Portal. The plan implementation date may change or no longer be required because of rainfall and other factors. However, the plan and incumbent preparation activities must occur now to enable a September 1, 2014, implementation. Planning, by its inherent nature, must maintain flexibility as conditions change. Therefore, proposed initial planning activities are intended to be adaptable to changing conditions. The initial planning activities are proposed to be funded from carry over funds from Fiscal Year 2012-2013 that would otherwise be returned to MUs.

Initial planning tasks and responsibilities are as follows:

County

- Provide results of a North Portal intake tower area survey using state of the art technical equipment. Anticipated to be available within 15-days.
- Cause the production of an updated/bathymetric survey of Lake Cachuma. Anticipated to be available in February 2014.
- Prepare an updated Cachuma Lake capacity forecasting model to enable forecasting under different assumed conditions. Anticipated to be complete during the first half of November 2013.

COMB

- Provide project planning and implementation managerial oversight.
- Prepare a bid package for the engineering, design and construction of the system and equipment necessary to convey water from the lake into the North Portal intake tower.
- Request involvement of counsel regarding contracts and environmental processes.
- Determine power requirements and lead time for PG&E delivery of electrical power necessary for pumping operations.
- Determine the possibility and cost to excavate silt and sand above and around Gate 5 of the North Portal intake tower to allow siphon operations to continue as long as possible.

- Cause the development and review of hydrologic information to minimize sand and silt intrusion caused by siphon or pump operations into the North Portal intake tower. Also to include analysis of amount of excavation required and alternatives for disposition of material.
- Schedule regular meetings with MU GMs and staff to provide current information to MUs.
- Coordinate oversight and involvement of USBR.

Member Units

- Attend MU meetings (GMs and staff as needed) to assist in providing review and guidance of planning activities.
- Provide assistance in the review of proposed engineering solutions and products.

Given the tasks and responsibilities described, the following actions need to be considered by the Board:

The Board is requested to adopt by reference the pre-qualified Master Services Agreement Contractor List approved by the County Board of Supervisors. On a 3-year basis, the Santa Barbara County Public Works Department solicits proposals for Professional Services work under the Public Works' Master Services Agreement Process (MSA). The MSA process was approved by the Board of Supervisors in order to provide a more efficient process for selecting and hiring Professional Services Consultants. Throughout the process, proposals from various professional disciplines are solicited and reviewed. This process ensures that the selection of professional services is based on qualifications and professional competence. The County list has been reviewed by the County Public Works Department and was approved by the Board of Supervisors for a three year period starting October 1, 2013. For the purpose of streamlining the procurement process in the event of emergency activities affiliated with the drought conditions at Cachuma Lake, I suggest the COMB Board adopt by reference the County approved pre-qualified contractor list.

The Board is requested to provide authorization to encumber Fiscal Year 2012-13, unexpended funds to procure consultants for project management, oversight, environmental, legal, design, engineering and construction activities for possible emergency contingency work necessary to prepare for potential drought impact to the water levels at Lake Cachuma. These funds would solely be used for the intended purpose of implementing the necessary elements of an extraction project which could include siphoning and/or pumping water from the lake into the Tecolote Tunnel to satisfy deliveries to the Cachuma Member Units. It is anticipated that the contract for engineering, design and construction would be brought before the Board following a competitive bid solicitation and evaluation.

The Board is requested to authorize an adjustment to the 2013-14, Fiscal Year Budget, and creation of a drought preparedness line item or items, to accommodate the funds to be carried over from FY 2012-2013. These funds will be kept in the LAIF account to ensure proper tracking of all disbursements and related activities.

The Board is requested to grant approval to the General Manager to execute a Professional Services Contract once a resource has been identified and found to meet COMB's requirements. I am in the process of reviewing various firms and individuals to provide management oversight of the drought contingency project.

The Board is requested to grant approval to the General Manager to enter into Professional Services Agreements for legal and/or environmental services which may be necessary to implement this project.

FISCAL IMPACT:

The requested use of unexpended funds from FY 2012-2013 would have no impact on the current budget.

LEGAL CONCURRENCE:

N/A

ENVIRONMENTAL COMPLIANCE:

N/A

COMMITTEE STATUS:

Other than expenditure authorizations approved in this item, the Administrative Committee will review and send to the Board for approval all expenditures in excess of \$10,000.

RECOMMENDATION:

- a) Adopt by reference the Pre-Qualified Master Services Agreement Contractor List approved by the County of Santa Barbara and authorize the General Manager to utilize pre-qualified consultants in various fields of expertise, as selected by the County of Santa Barbara Public Works Department through its most recent Pre-Qualified Consultant Selection Process.
- b) Authorize the General Manager to encumber, once identified, Fiscal Year 2012-13 unexpended funds to budget for drought contingency planning activities.
- c) Approve Budget adjustment to adopted FY 2013-14 Budget to utilize unexpended 2012-13 funds.
- d) Authorize General Manager to procure a Consultant Project Manager and sign a Professional Services Contract for contingency planning oversight and management in an amount not to exceed \$75,000.
- e) Authorize General Manager to enter into Environmental / Legal professional services agreements as necessary in an aggregate amount not to exceed \$50,000.
- f) Authorize General Manager to execute, under emergency justification, sole source contracts for items (d) Consultant Project Manager (\$75,000), (e) Environmental / Legal professional services (\$50,000) and all contractors selected from the Pre-Qualified Master Services Agreement Contractor List in an amount not to exceed \$10,000. The General Manager shall inform the Board of contract agreements pertaining to items (d) and (e) at the Board meeting following the execution of that contract.

LIST OF EXHIBITS:

The following information is provided for review:

- Summary of actions taken in 1990-91 (Attachment 1)
- Current lake level information (Attachment 2)
- Drought SB County Timeline, December 1988 through December 1991-COMB Board (Attachment 3)
- County 2013-16 Request for Qualifications (Attachment 4)
- Master Services Agreement Contractor List (Attachment 5)

CACHUMA PROJECT

SUMMARY OF SPECIAL PROJECTS UNDERTAKEN IN 1990 AND 1991 FOR EMERGENCY DELIVERY OF CACHUMA WATER DURING A TIME OF DROUGHT

I. INTRODUCTION

In January of 1990, Santa Barbara County was suffering through a severe drought. Cachuma Reservoir contained some 60,000 acre feet of water in storage or about 30% of full capacity. The water level in the reservoir was at elevation 684. The bottom of Gate No. 4, the lowest operable gate opening in the intake tower which allows water into the Tecolote Tunnel for delivery to Santa Barbara County South Coast users, was located at elevation 678. It was anticipated that water levels would drop to this elevation in a matter of 3-4 months, resulting in termination of deliveries to the South Coast, although there would still be about 44,000 acre feet of water in the reservoir. There was a lower gate opening (Gate No. 5) in the intake tower, with sill at elevation 660, but it was silted in, its fishscreen was disintegrated and had not been moved since originally installed and the soundness of the gate itself was questionable as it had not been operated for many years.

It was decided by the Cachuma Operation and Maintenance Board (COMB), with concurrence by U.S. Bureau of Reclamation (Reclamation), to construct extraction facilities at the intake tower and in the reservoir to be able to continue water deliveries to the South Coast. These facilities would initially consist of a siphon to draw water up and over the sill of Gate No. 4 and into the intake tower. As the water levels in the reservoir dropped further, the siphon effect would eventually cease, to be replaced by a barge-mounted pumping system with a discharge pipeline extending across the water surface and the dry reservoir bottom to the intake tower.

II. INSTALLATION OF THE SIPHON

In January of 1990, after a competitive bid process, COMB awarded a contract for \$7366.25 to Carpinteria Construction, Inc. of Carpinteria, California, for fabrication of the main components of the siphon:

- o intake section
- o bulkhead spool piece
- o upper discharge section
- o lower discharge section

These components were fabricated from 24-inch O.D. steel pipe and fittings. A 24-inch dia. flap valve and 24-inch dia. foot valve for priming the siphon and a bracing system for securing the siphon in the intake tower were fabricated by COMB staff.

In preparation for siphon installation, COMB staff attempted to position their 5-ton crane truck on the intake tower access bridge, only to discover that the wooden bridge decking and stringers were unsound. Reclamation approved the use of emergency reserve funds in the COMB budget for replacing these items and the transfer of unexpended funds from another project (North Portal jet flow gate valve installation) for use in purchase and installation of the siphon.

Finally, after several months of planning and preparation work, the access bridge had been redecked by Cushman Contracting Corporation of Santa Barbara (with labor and material costs totaling \$15,400.00), the siphon components were completed, and staff and equipment were assembled and ready to install the siphon.

The upper and lower discharge sections were brought to site first during the week of May 7-11, 1990, and lowered to the bottom of the intake tower. This was done in advance so as to minimize interruptions to South Coast water deliveries.

To handle the siphon components, COMB staff used the existing 2-ton capacity intake tower hoist (normally used for raising fishscreens for cleaning) for loads on the outside of the intake tower, a rented air tugger with wire cable rigged through the access manhole, a rented air tugger with wire cable rigged through the access manhole in the intake tower deck for loads inside the tower, and a bosun's chair suspended from the 5-ton crane truck as a manlift. Components being installed inside the tower were lowered from the outside to Gate No. 3, which was above the reservoir water surface level, then transferred to the air tugger hoist through the gateway and down to the floor of the tower.

On May 14, 1990, at 6:00 a.m., staff commenced final siphon installation work at the intake tower. The reservoir water surface was at elevation 678.91, but dropping 0.2 feet per day due to a downstream release being made at Bradbury Dam for Santa Ynez River Water Conservation District. The siphon had to work! Flow was shut off to the South Coast at the North Portal Control Station jet flow gate valve and the bulkhead spool piece was lowered down the outside of the intake tower and installed in Gate No. 4. A pontoon work boat was loaned to COMB by the Santa Barbara County Park Department and was used as a work platform at the base of the tower, some 86 feet below the upper deck. The spool piece was fitted with a blind flange so that flow into the tower could be minimized once the spool piece was in place and ready to receive the discharge section. The spool piece was initially captured in place by clamping it to existing tabs in the gate sill with C-clamps and lowering the slide gate until it engaged a stabbing pipe in spool piece.

A "strongback", a rectangular steel channel frame was then positioned on the inside of the tower at Gate No. 4. The spool piece and strongback were bolted together to hold the spool piece securely in the gateway.

The upper discharge section was then hoisted up from the tower floor and bolted to the spool piece. The flanged connection of these two components included a 24-inch dia. full-face rubber gasket. Connection of the lower discharge section to the upper discharge section was then accomplished using a Dresser coupling. The final work inside the tower included installing jackscrew-type braces from the tower walls and floor to receiving points on the discharge sections and rigging the flap valve at the bottom of the lower discharge section. The flap valve release cable was run up and shackled to an electric hoist secured to the upper deck of the intake tower, and the flap plate on the valve was then drawn up to the closed position.

Work then continued outside the tower. The blind flange was removed from the bulkhead spool piece and the intake section and its attached foot valve were lowered down from the upper deck and bolted to the spool piece, again using a full-face rubber gasket to insure an airtight seal. The intake section was fitted with two valved ports at the top for priming the siphon and bleeding off air. A submersible electric pump was then used to prime the siphon.

At 11:00 p.m. that night work was completed and the siphon was ready for testing. The tower and pressure tunnel were empty of water as the siphon now blocked Gate No. 4 and the North Portal jet flow gate valve had been opened. The electric hoist securing the flap valve release cable was energized to open the flap valve. All present were rewarded for their efforts by the wonderful sound of water rushing into the intake tower - the siphon worked!

The North Portal jet flow gate valve was used to regulate diversions into Tecolote Tunnel in the normal manner during operation of the siphon. If the valve was fully closed, water would back up into the intake tower until equilibrium was reached with the reservoir water surface elevation. The siphon did not lose prime and subsequent reopening of the gate jet flow gate valve would restart the siphon effect. A maximum flow of 45 cfs was achievable with the siphon on May 17, 1990 (reservoir water surface at elevation 678.58). This decreased with reservoir drawdown, so that on June 28, 1990, the day of the Painted Cave Fire in the foothills northwest of the City of Santa Barbara, a maximum flow of 42.5 cfs was available. (Reservoir water surface was at elevation 676.54.) This fortunately turned out to be adequate to handle the additional demand for water for firefighting usage. The siphon continued to operate satisfactorily into September, 1990, when the Emergency Pumping System was ready to go on line.

III. INSTALLATION OF THE EMERGENCY PUMPING SYSTEM

In order to maintain delivery of Cachuma water to South Coast users when reservoir water level fell below the operational range of the siphon, COMB developed plans for an Emergency Pumping System (EPS). Initially it was hoped to locate an existing unit that could be

borrowed from another water purveyor in California, however this did not eventuate despite contacting some 50 agencies across the State. Some spare pump units were available for use, however further investigations revealed that they were powered by electric motors of two different voltages and would not provide the desired operational flexibility. It was then decided to contract for the supply of a complete pumping system tailored to the project requirements. Two contractors were identified who had the equipment and experience to undertake the EPS project. One of the two, Cushman Contracting Corporation (CCC), was located in Santa Barbara and had just completed the access bridge redecking job for COMB at the intake tower in satisfactory and timely fashion as low bidder. COMB accordingly negotiated a contract in June, 1990, with CCC to provide the EPS. Notice to proceed was given on June 6, 1990.

The EPS contract scope of work included the furnishing, installation, operation and maintenance of the system and all appurtenant work. The latter consisted of desiltation and removal of the fishscreen at intake tower Gate No. 5, installation of a modified fishscreen (to be supplied by COMB) and opening of Gate No. 5 to use as the EPS discharge point. In the event that Gate No. 5 was not usable, the work was to include installation of additional pipe and fittings to discharge into Gate No. 4. CCC was given ninety days from the date of the Notice to Proceed in which to mobilize, transport, install and test the EPS and complete the appurtenant work. CCC was then to operate the EPS for nine months on standby or in-service mode depending on site conditions.

The EPS design was conceived by COMB and implemented by CCC and its subcontractors. The system consisted of four (4) rectangular steel barge sections (manufactured by Robishaw Engineering of Texas) linked to form a floating pump platform, with a center well for pump suction headers and space on deck for four (4) centrifugal pumps (each rated at 4500 gpm at 105' TDH) with 125 hp electric motor drivers (leased from PACO Pumps of Oakland, CA) and a steel container for electrical switchgear panels and controls; two (2) discharge headers connected the pumps to two (2) parallel 20-inch dia. SDR 26 polyethylene fusion-welded pipelines (supplied by Kelly Pipe of Bakersfield, CA) running some 3700 feet to the intake tower and connecting to the discharge point there; an on-shore transformer and steel container for PG&E's master meter, main breakers and manual switchgear for standby power; a standby diesel generator capable of providing power for two (2) pump units; and submersible power cables connecting the on-shore electrical container to the barge-mounted container. PG&E installed a temporary electrical service from existing powerlines along Highway 154 down to the dry lake bed adjacent to the barge mooring point.

CCC was able to complete the scope of work within the mobilization period, including successfully desilting around Gate No. 5, removing its original fishscreen (with frame intact but screening completely deteriorated), installing the modified fishscreen, and opening the slide gate. The modified fishscreen was fabricated by

COMB using an original fishscreen from one of the upper gates. The bottom 8' of the fishscreen was sheathed in steel plate to hold back silt, the top 3' was left screened to allow for gravity flow through the top when available, and two 20-inch dia. flanged ports were formed on the upper face of the fishscreen to receive the polyethylene pipelines running from the barge.

The EPS was put into operation on September 14, 1990. Reservoir water surface was at elevation 668.84 with 34,939 acre feet of water in storage. The EPS operated on a continuous basis through February of 1991, when the lowest water surface level was reached at elevation 661.06 with 27,681 acre feet of water in storage (14.5% of full capacity). Rainfall finally commenced then and subsequently runoff from the "March Miracle" rains caused a dramatic increase in reservoir storage and water surface elevation:

March 18	Elevation	663.33	29,683 AF
" 19	"	672.58	38,800 AF
" 23	"	682.71	50,725 AF
" 31	"	693.04	65,034 AF
May 8	"	699.73	75,530 AF (peak for 1991)

CCC had enough advance warning that they were able to prevent any major damage to the EPS due to reservoir inflow, although the polyethylene pipelines, which just submerged when full of water, did collect a lot of debris carried into the reservoir from the upper watershed. The EPS was "mothballed" on standby through to the end of the contract period in June of 1991. The contractor kept the equipment on site thereafter in the event that the coming winter would again be dry and pumping would have to resume. (COMB fortuitously decided to remove the siphon components in November of 1991.) Substantial rainfall commenced on December 28, 1991, when reservoir water surface was at elevation 682.73 (50,750 AF in storage) and continued in the following months. In fact, the reservoir came close to spilling in May of 1992 when a peak elevation of 746.11 for the year was reached (178,839 AF in storage). (The reservoir when full holds 190,409 acre feet with water surface at elevation 750.00.)

The components of the EPS were completely removed by CCC in 1992, with final payment made for completion of demobilization and site cleanup in early 1993. The EPS project was funded by an emergency loan of \$609,000.00 made available by Reclamation and an additional amount of \$160,000.00 from funds authorized to be expended by Reclamation from monies in COMB's Local Agency Investment Fund (LAIF) account, which were deposits of excess revenues over expenditures from COMB budgets from three previous fiscal years.

IV. CONCLUSION

The special projects undertaken by COMB in 1990 and 1991, with the cooperation and support of Reclamation, the Cachuma Project member units and other federal, state and local agencies and local

contractors and utilities, enabled water deliveries to the population of the Santa Barbara County South Coast from Cachuma Reservoir to be maintained without interruption. Although overall delivery quantities were lower than in previous years, conservation measures implemented by the South Coast population enabled the area to use this water resource to survive one of the worst periods of drought in its recorded history.

Prepared by: Robert E. Wignot
General Manager
Cachuma O&M Board

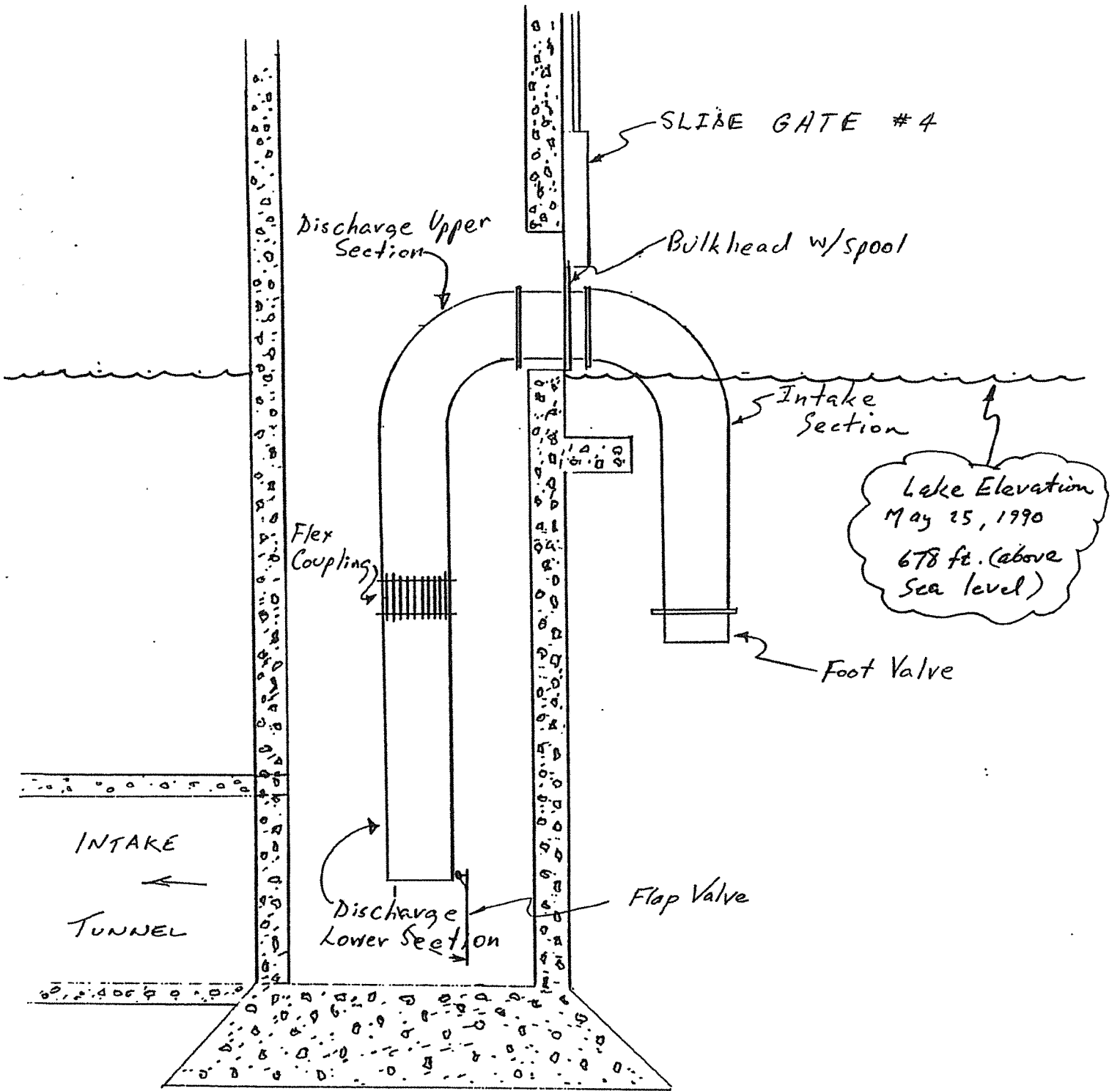
June 15, 1993

emerproj.sum

**CACHUMA PROJECT
LIST OF PHOTOGRAPHS**

1. May 14, 1990 - View of Tecolote Tunnel Intake Tower on the day of installation of the siphon at Gate No. 4. Note COMB crane truck on access bridge and work boat (loaned from County Park Department) anchored in front of Gate No. 4.
2. May 14, 1990 - View inside intake tower looking down on 24-inch dia. siphon in Gate No. 4.
3. October 1990 - View from Emergency Pumping System 20-inch dia. polyethylene pipelines looking towards connection point with modified fishscreen in front of Gate No. 5. Note siphon intake section on left side of tower at Gate No. 4 is now above water surface. Weeds cover foot valve at bottom portion of siphon.
4. November 1990 - View at intake tower end of Tecolote Tunnel, 7 ft. dia. pressure tunnel section. Note small crustacean on wall at right side of picture.
5. February 12, 1991 - View from shore looking west. In foreground is intake tower, with siphon tube just visible at bottom of tower at Gate No. 4. Two 20-inch dia. polyethylene pipelines run from intake tower across the dry reservoir bottom and the remaining water surface to the EPS barge. Note buoy line on north side of pipelines to keep boaters away from the project area.
6. Same as 5. above, but shot from a slightly different angle so that more of the dry reservoir bottom is visible. Desilted area around Gate No. 5 also is more apparent.
7. February 12, 1991 - View of EPS taken with telephoto lens from 3700 feet away on the intake tower. Note temporary PG&E power lines running down to onshore electrical equipment. Submersible cables carry power to the barge. When reservoir is full, water surface is some 90 ft. higher, above all areas in picture, up to high water mark on hills in the distance.
8. February 12, 1991 - View of the EPS barge. Two tall spud posts on either side of the barge go down into the reservoir bottom and allow the barge to move vertically downwards with reservoir drawdown. Polyethylene pipes connect to discharge headers on right side of the barge; due to their density, pipes float just below water surface when full of water. Container houses electrical switchgear and controls.

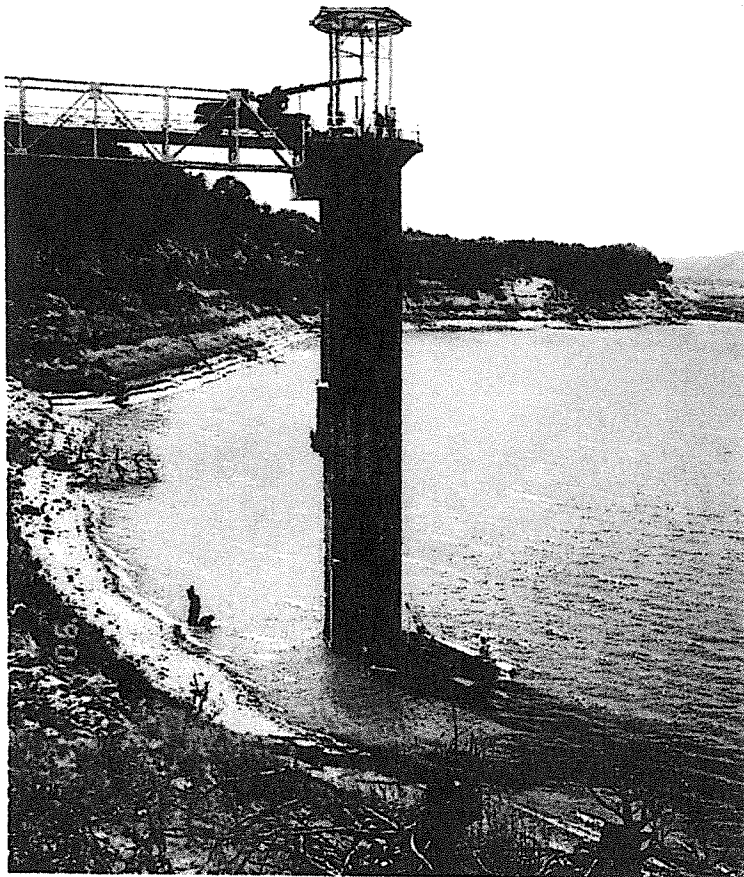
Photo Credits: 1 - Robert Wignot, COMB;
 2 through 8 - Dan Antonini, COMB



1/4 scale
 1" = 4'

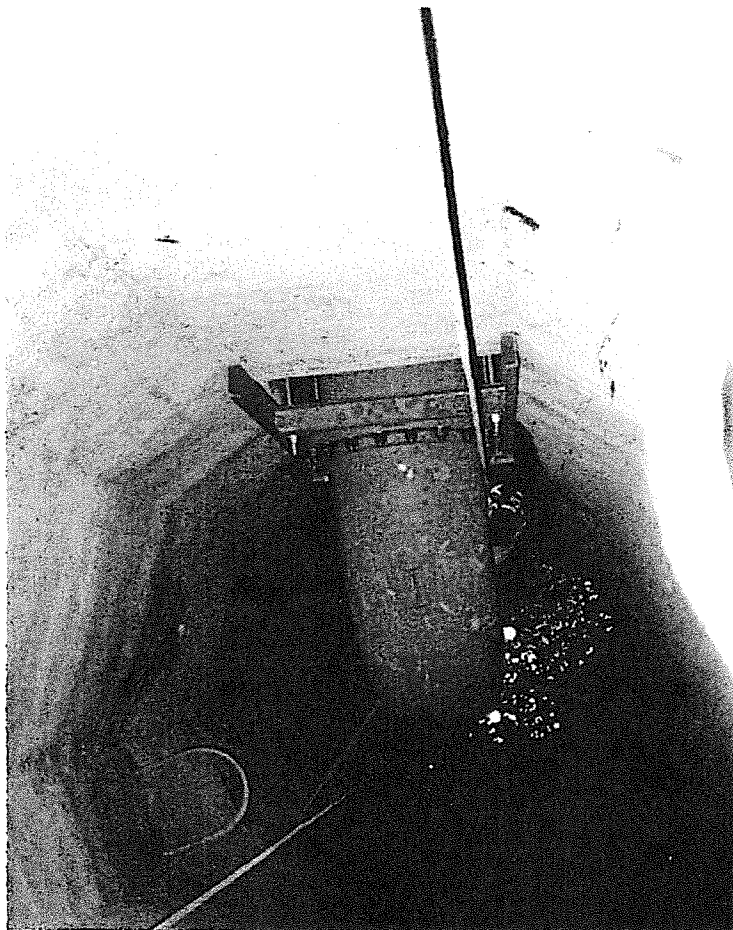
CACHUMA OPERATION &
 MAINTENANCE BOARD
 3301 LAUREL CANYON RD.
 SANTA BARBARA, CALIF.
 93105

TECOLTE TOWER
 SECTION WITH SIPHON
 (24 inch dia.)
 Attachment 1
 Page 8



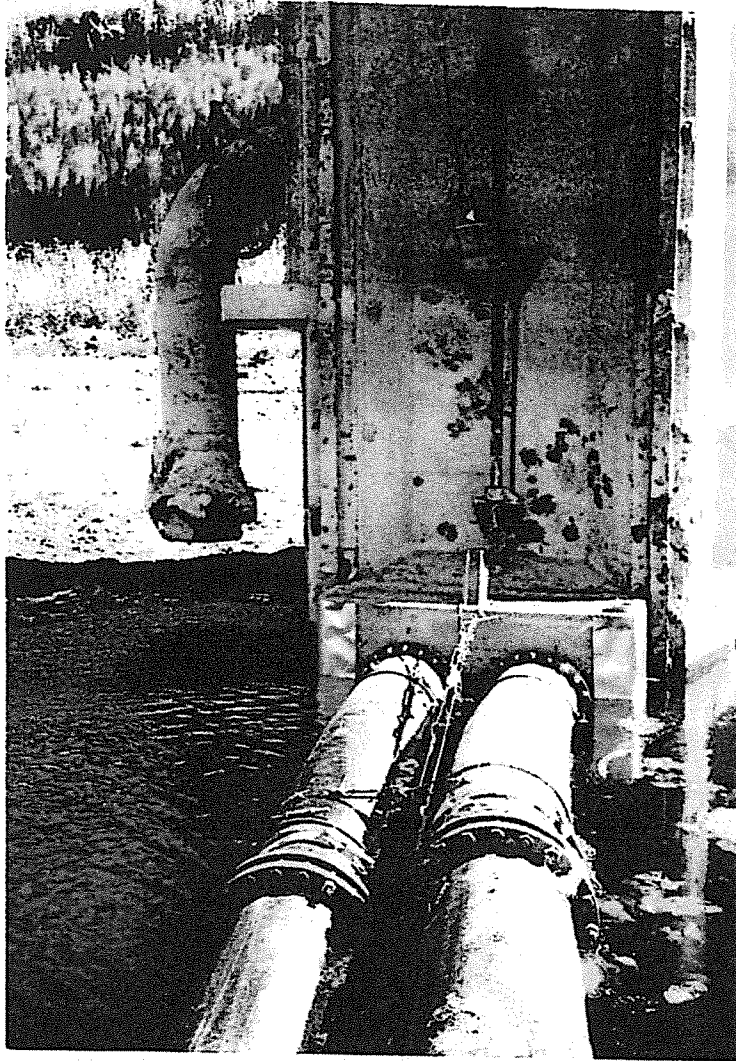
**Tecolote Tunnel
intake tower on
day of installa-
tion of siphon at
gate No. 4.**

5/14/90



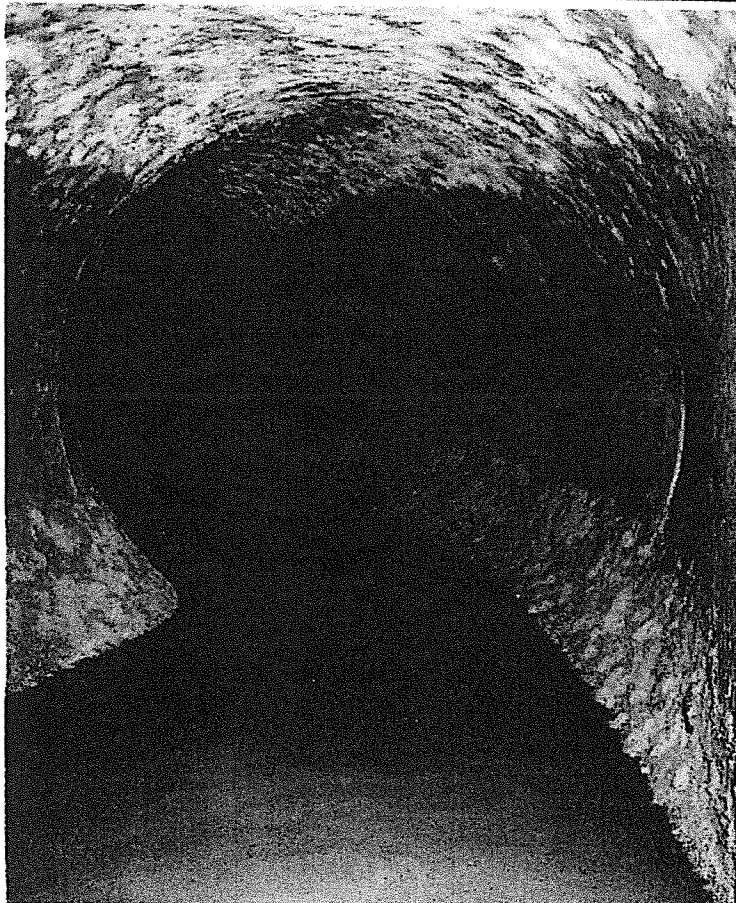
**Interior of intake
tower looking down
on 34-inch-
diameter siphon in
gate No. 4.**

5/14/90



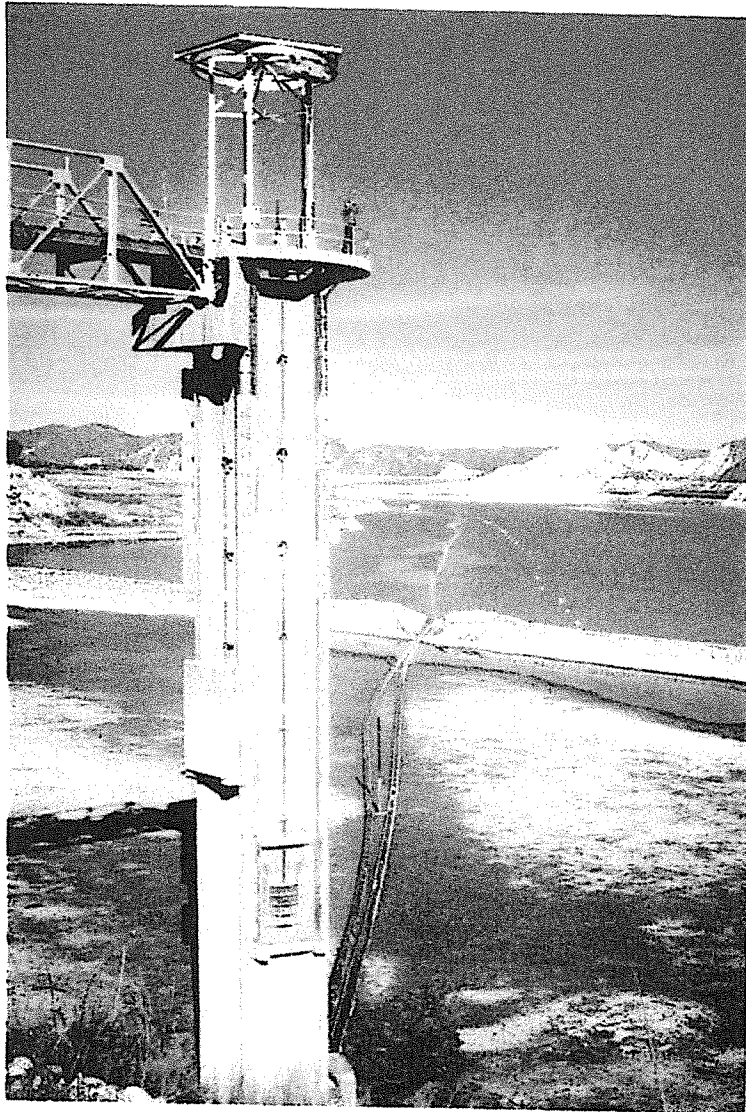
20-inch-diameter
polyethylene
emergency pumping
system pipelines
looking toward
connection point
with modified
fishscreen in
front of gate
No. 5.

10/90

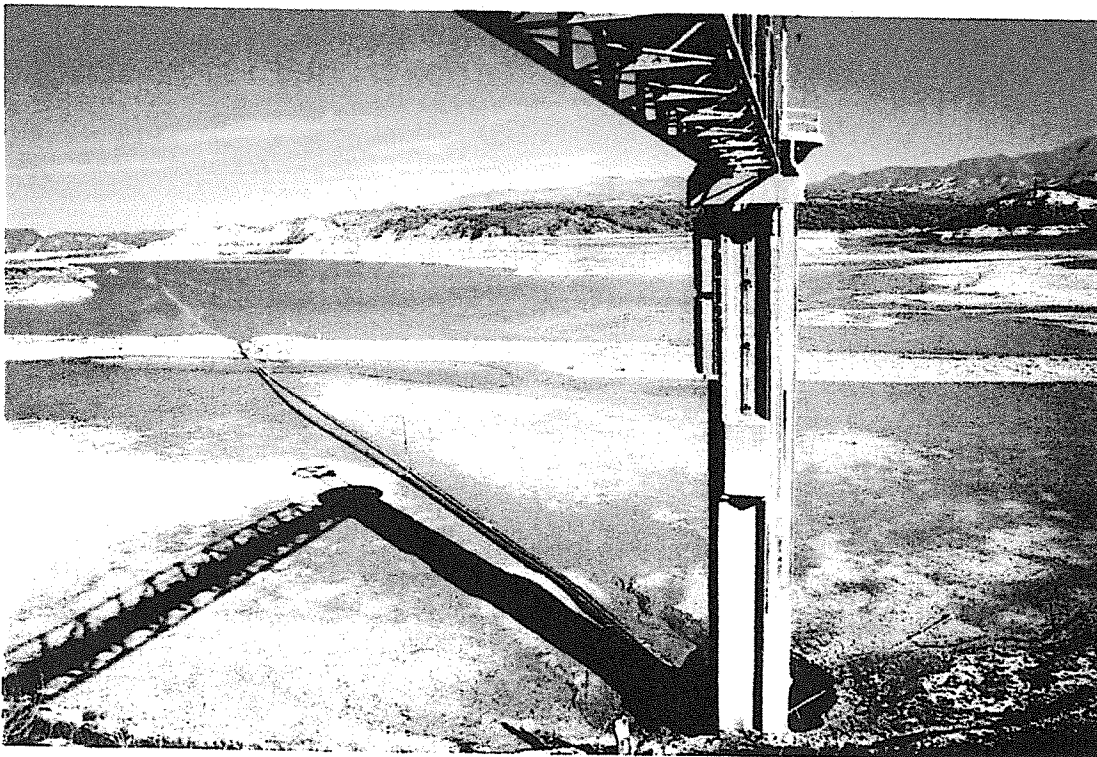


7-foot-diameter
pressure tunnel
section at intake
tower of Tecolote
Tunnel.

11/90

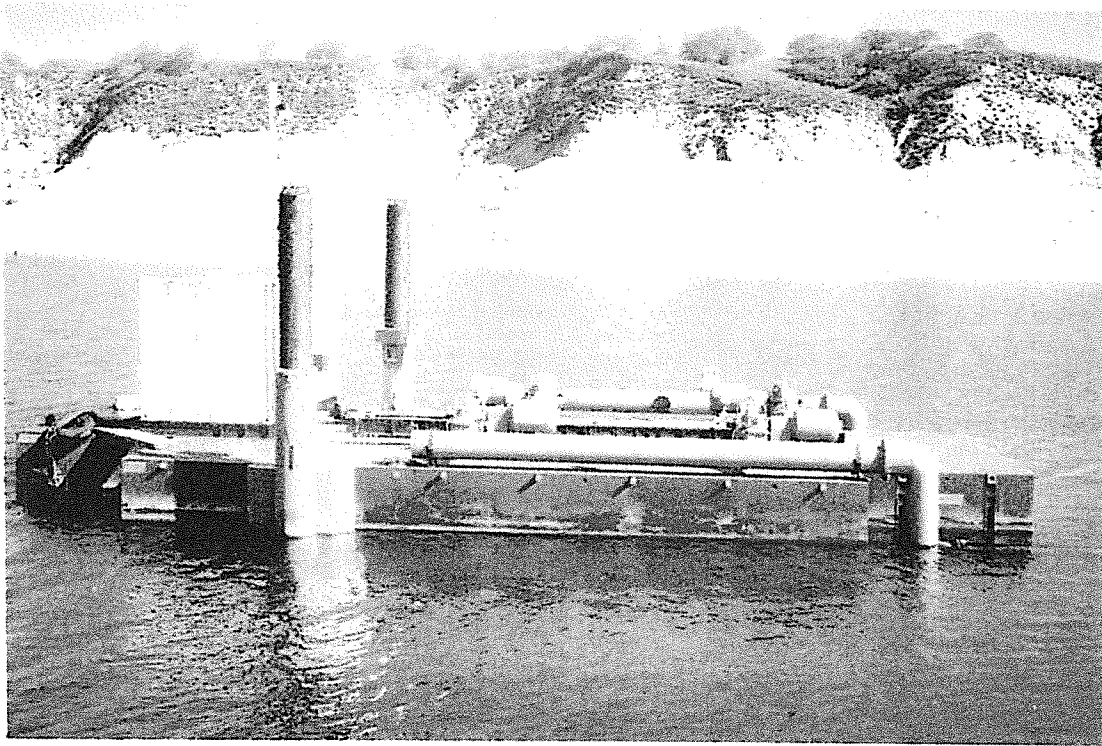


Looking west from shore to EPS barge with siphon tube just visible at bottom of intake tower at gate No. 4.



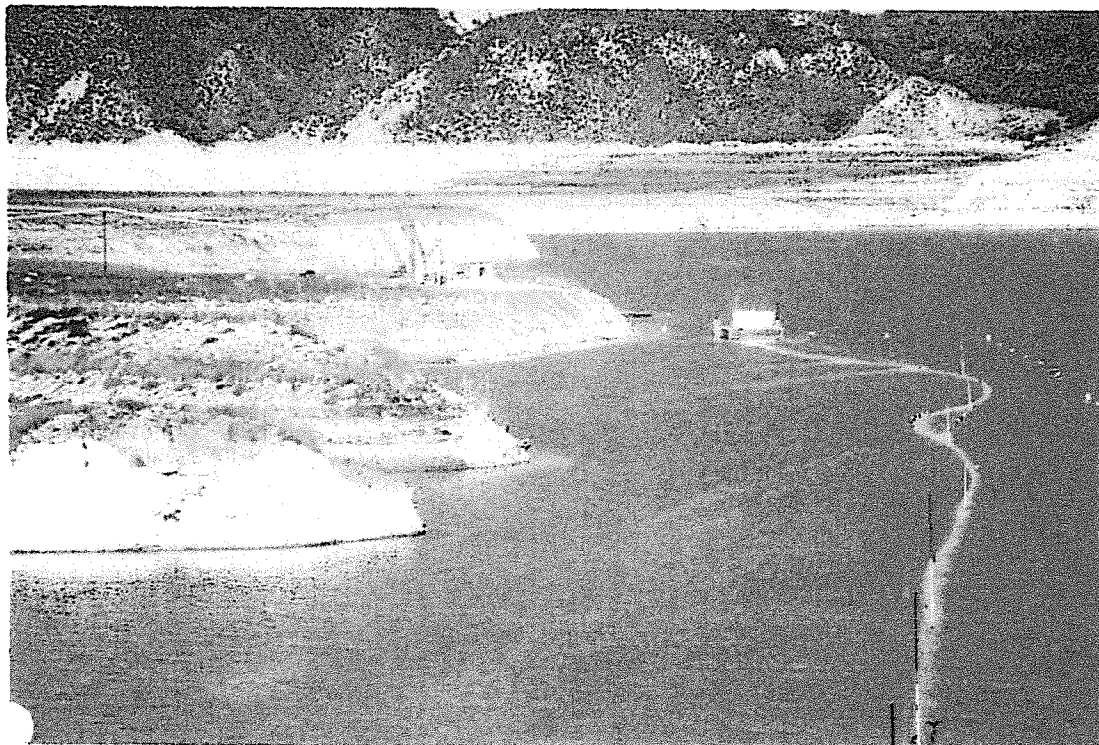
Looking west from shore. Note more of dry reservoir bottom is visible.

2/12/91



EPS barge.

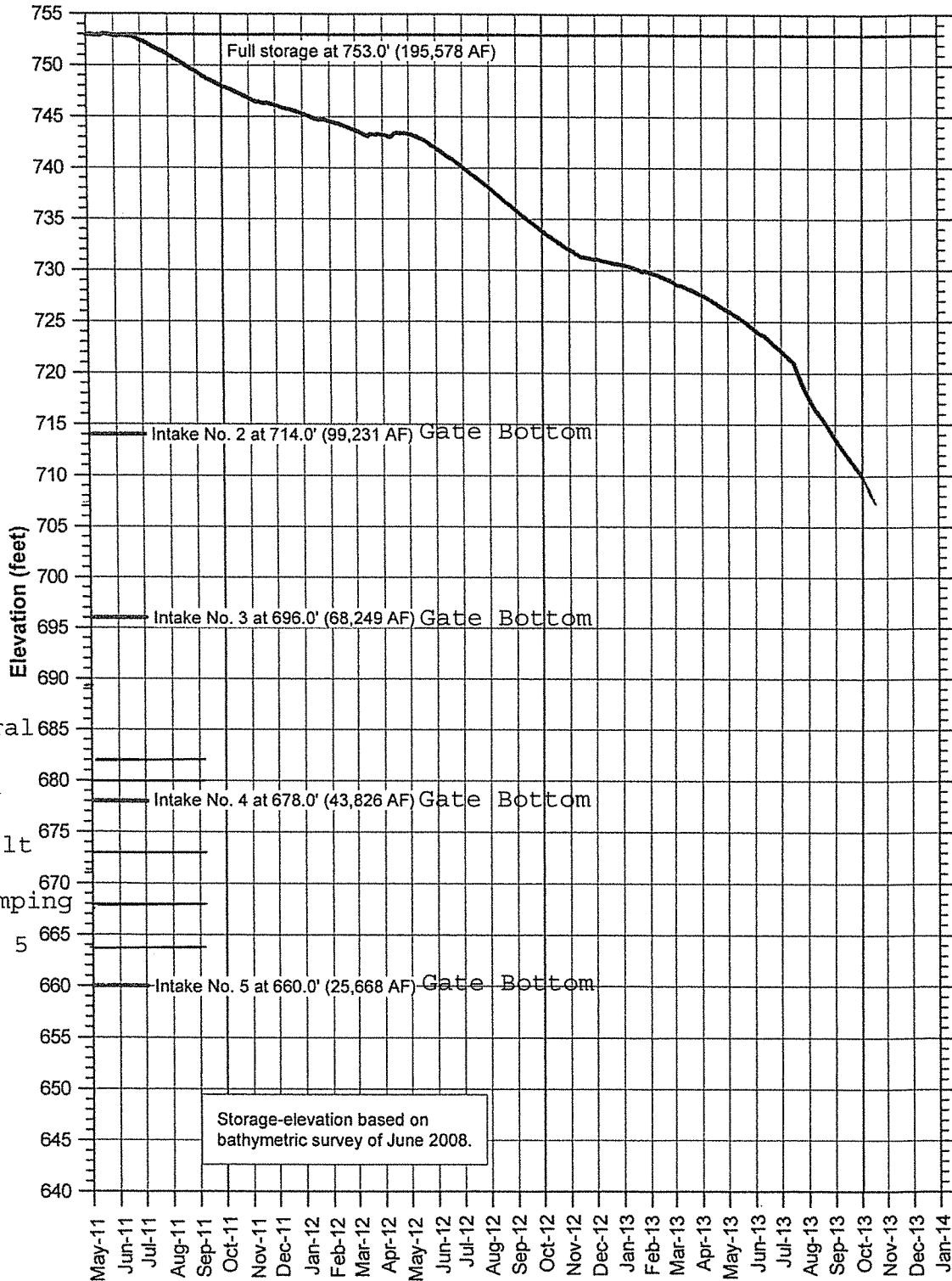
2/12/91



**EPS barge taken
with telephoto
lens from 3,700
feet away on
intake tower.**

2/12/91

Cachuma Reservoir Elevation Hydrograph 2011-2013



Drought in Santa Barbara County
Timeline (COMB Board)

December 1988 – Lake Elevation was 703.43 feet, water in storage 91,687 AF at the end of the month.

January 1989 – Lake Elevation was 702.94 feet, water in storage 90,791 AF at the end of the month.

February 1989 – At the COMB Board meeting 2/20/1989, the COMB Manager stated that it is intended that there will be a 20% reduction in deliveries from full contractual entitlements for the water year 1989-90. Lake Elevation was 703.11 feet, water in storage 91,101 AF at the end of the month.

March 1989 – Lake Elevation was 702.87 feet, water in storage 90,665 AF at the end of the month.

April 1989 – At the 4/17/1989 Board meeting, the Manager referred to a letter COMB sent to the Member Units stating that there would be a 20% reduction of entitlement deliveries from the project for the 1989-90 water year. The Manager explained that if the deliveries from the project were reduced to 80% of entitlement amounts for 1989-90 in the event that the winter of 1989-90 did not provide inflow to Lake Cachuma there would be adequate water in storage to provide 80% delivered again for the 1990-91 water year. The Board voted to ratify the plan to reduce deliveries from the Cachuma Project to 80% entitlement amounts during the 1989-90 water year. Lake elevation was 701.23 feet, water in storage 87,712 AF at the end of the month.

May 1989 – Lake Elevation was 698.75 feet, water in storage 83,352 AF at the end of the month

June 1989 – At the 6/19/1989 Board meeting the manager stated that the No. 4 outlet gate on the Tecolote Tower, the second from the bottom of the tower, was put into service during the month. This is the first time in over 30 years the outlet had been used. The lowest gate was covered with sediment. Lake elevation was 695.96 feet, water in storage 78,623 AF at the end of the month.

July 1989 – Lake Elevation was 693.66 feet, water in storage 74,869 AF at the end of the month.

August 1989 – At the 8/21/1989 the Board discussed options to insure the continued deliveries if the water level would fall below the lowest inlet. Options were dredging, flexible inlet attached to lowest gate as an interim solution and the possible use of a floating pumping plant. See Item 6 of the COMB Board minutes 8/21/1989 for details. Lake elevation was 691.56 feet, water in storage 71,542 AF at the end of the month.

September 1989 – The options from the August Board meeting were discussed with some cost estimates available. The Board approved to authorize the Manager to spend up to \$12,000 for the fabrication and installation of a siphon. See Item 5 of the COMB

Board minutes 9/18/1989 for details. Lake elevation was 687.99 feet, water in storage 66,098 AF at the end of the month.

October 1989 – Lake Elevation was 686.58 feet, water in storage 64,023 AF at the end of the month.

November 1989 – The design of a 24 inch diameter siphon had been completed and bid documents were being prepared. The Manager stated that plans for pumping at the lake needed to be developed by the end of February 1990. The Board directed the Manager to plan, secure, and install pumping equipment for the continued delivery of Cachuma water. See item 5 of the COMB Board minutes 11/20/1989. Lake Elevation was 685.11 feet, water in storage 61,896 AF at the end of the month.

December 1989 – Lake Elevation was 683.91 feet, water in storage 60,194 AF at the end of the month. Because the water quality at Cachuma Lake was declining the fish screen on Tecolote Tower was being cleaned once a week. The normal schedule was for the cleaning to take place once a month. The once a week cleaning was started so that the flow into the tower did not become choked off by the dirty screen.

January 1990 – See “Environmental Review of a Proposed Project to Construct Facilities to Extract Water From Cachuma Reservoir to Serve Southern Santa Barbara County and Notice of Exemption”. The Board discussed the need to install the siphon and it appeared that the pumping system would need to be in service by July or August. The Board approved the project. The Board approved the Notice of Exemption (NOE) from CEQA and directed the Manager to file the NOE. Water supply allotments were discussed and it was decided that COMB should make a recommendation to the MU's that a 45% reduction in the contract amount for 1990/91 would probably be required. See Items 7, 8, 9, 10, and 11 of the 1/15/1990 Board meeting minutes for details. Lake Elevation was 683.37 feet, water in storage 59,441 AF at the end of the month.

February 1990 – The Board approved to send a letter to the MU's regarding the 45% reduction of water allocations. The Board approved sending a letter to the County Board of Supervisors requesting the declaration of a drought emergency. A report on the siphon project was heard, a discussion on the pumping project and PG&E was in the process of evaluating what would have to be done to get power to the large, 350 horsepower motors. See items 5, 6, 7, and 8 of the 2/19/1990 Board minutes for details. Lake Elevation was 682.92 feet, water in storage 58,814 AF at the end of the month.

March 1990 – USBR gave written authorization for the intake siphon fabrication and installation to be funded from money remaining in the budget for the North Portal tube valve replacement project, and for the intake tower access bridge decking replacement to be paid for from the Emergency Reserve Fund. COMB staff continued to work on the siphon tube and specifications for the barge-mounted pumping system were being developed. See Item 11 of the 3/19/1990 Board minutes for details. COMB staff tested the fit of one section of the intake siphon to tower gate #2. Lake Elevation was 682.01 feet, water in storage 57,566 AF at the end of the month.

April 1990 – COMB Board agreed to a 45% reduction in allocations for water year 1990/91. Fabrication of the siphon tube was completed and preparations for installation were being made. COMB applied to PG&E for temporary electric service from their existing power lines. Discussions with 2 contractors were taking place for providing and

operating the emergency pumping system. See Items 5 and 6 of the 4/16/1990 Board minutes for details. Lake Elevation was 680.7 feet, water in storage 55,804 AF at the end of the month.

May 1990 – The funding for the project was discussed and who was to pay for the EPS. The installation of the siphon was installed on May 14, 1990. Contract agreement for the Emergency Pumping system (EPS) had been drafted, Cushman Contracting should have the Notice To Proceed in 2 weeks and the EPS should be operational in 90 days. See Item 6 of the 5/21/1990 Board minutes for details. Lake Elevation was 677.9 feet, water in storage 52,149 AF at the end of the month. (New Tables stated 44,146 AF)

June 1990 – A contract was executed on June 6, 1990 between COMB and Cushman for the supply, installation, operation and maintenance of the EPS. A contract was also signed on June 11, 1990 with PG&E for supply of a temporary electric service. See item 6 of the 6/18/1990 Board minutes for details. On the night of June 27, 1990 GWD requested COMB staff to increase the intake flow rate from 47.6 to 84.2 acre-feet per day. The higher flow rate enabled GWD to maintain adequate pressure in their water distribution system for fighting the Painted Cave Fire. Also, firefighting helicopters made numerous trips from Lauro Reservoir to the fire zone to drop water on hot spots from Thursday June 28, 1990 onwards until the fire was brought under control July 3, 1990. It was estimated that additional water used during the firefighting period was 41 AF. Lake Elevation was 676.38 feet, water in storage 43,050 AF at the end of the month.

July 1990 – PG&E had installed new poles and power lines from HWY 154 to the dry reservoir bottom adjacent to the proposed barge pumping site. Cushman had mobilized equipment and manpower at the job site. Cushman's schedule calls for having the EPS ready for operation on 9/6/1990. See Items 8 of the 7/16/1990 Board minutes for details. Item 9 is a review of water use and impact to facilities as a result of the Painted Cave Fire. Lake Elevation was 674.27 feet, water in storage 40,654 AF at the end of the month.

August 1990 – At the August 6, 1990 Special Board meeting, the Directors were requested by Western Canada Water in a letter to the Board dated July 16, 1990 to indicate a willingness to cooperate in the delivery of tankered water from Canada to various Santa Barbara County water purveyors via the SCC. No action was taken by the Board. Meetings were held during the month with Cushman and BEC their electrical subcontractor to review progress on the EPS project. Work continued on schedule through the month. The major task completed was connection and mooring in place of two parallel 20 inch diameter polyethylene pipes from the pumping barge site to the intake tower.

See items 5 and 7 of the 8/20/1990 Board minutes and the August Operations Report. Lake Elevation was 670.78 feet, water in storage 36,885 AF at the end of the month.

September 1990 – Cushman connected the two 20-inch Polyethylene pipe lines from the pumping barge into the modified fish screen at gate No. 5 on 9/14/1990. PG&E had to make some modifications due to the under voltage and subsequent motor overheating. Cushman was responsible on a 24/7 basis for responding to alarm conditions. See item 6 of the 9/17/1990 Board minutes and the August Operations Report for details. Lake Elevation was 668.13 feet, water in storage 34,188 AF at the end of the month.

October 1990 – The EPS operated satisfactorily during the entire month except for some minor electrical problems. See item 5 of the 10/15/1990 Board minutes and the October Operations Report for details. Lake Elevation was 666.5 feet, water in storage 32,606 AF at the end of the month.

November 1990 – An update on the projects was presented to the Board. See item 5 of the 11/19/1990 Board minutes for details. Lake Elevation was 664.85 feet, water in storage 31,062 AF at the end of the month.

December 1990 – The EPS was updated; Cushman sent divers underwater and found the suction strainers fouled with vegetation. When the obstruction was cleared flow rates returned to normal. Discussion was held on the schedule for moving the location of the EPS pumping barge to deeper water due to the lack of rain. See Item 5 of the 12/17/1990 Board minutes for details. Lake Elevation was at 663.12 feet, water in storage 29,494 AF at the end of the month.

January 1991 – The Manager reported that the EPS had operated satisfactorily to date in January. The estimated cost for EPS installation and operation in 90/91 water year was \$1.249 M. Phase II EPS was discussed. See Item 5 of the 1/21/1991 Board minutes for details. Lake Elevation was 662.11 feet, water in storage 28,598 AF at the end of the month.

February 1991 – Phase II extension EPS was discussed. See item 5a of the 2/18/1991 Board minutes for details. Lake Elevation was 661.31 feet, water in storage 27,899 AF at the end of the month.

March 1991 – Rainfall had begun in February and continued in March, 13.92 inches for the season as of March 18, 1991. The reservoir storage increased by over 2000 AF, 15.6% of full capacity. The EPS had not been required to operate in the month of March. The EPS could continue to operate in the present location through September 1991. As a precaution the EPS contractor has been requested to proceed with Phase II extension electrical design work.

The Operations Report for the month of March reported 18.6 inches of rain for the month and 24.28 inches for the season, which is 144 percent of normal. Lake Elevation was 693.04 feet, water in storage 65,034 AF at the end of the month.

April 1991 – The EPS was on standby status. Operation would continue in this mode up to June 2, 1991 the end of the original EPS contract with Cushman.

At a Special Board meeting, April 29, 1991 the Board approved the complete demobilization of the EPS. Lake Elevation was 699.56 feet, water in storage 75,252 AF at the end of the month.



**FY 2013-2016
Request
For
Qualifications**

Three-Year Professional Services

For

County of Santa Barbara
Public Works Department

Table of Contents

EXECUTIVE SUMMARY	2
OVERVIEW	2
PUBLIC WORKS DEPARTMENT	3
SUMMARY OF THREE-YEAR SERVICES PROGRAM	4
SUBMITTAL REVIEW PHASES	6
QUALIFICATIONS PROCESS	7
OVERVIEW	7
REQUIREMENTS	8
PLEASE COMPLETE AND SUBMIT THE FOLLOWING:	8
DISQUALIFICATION	10
SUBMITTAL FORMAT REQUIREMENTS	11
MASTER SERVICES AGREEMENT	12
AGREEMENT STRUCTURE	12
SERVICE GROUP CATEGORIES (SGC)	13
OVERVIEW	13
THREE-YEAR SERVICE PROGRAM CATEGORIES	14
SGC.1: ROADWAY & STRUCTURES ENGINEERING	14
SGC.2: TRANSPORTATION PLANNING & TRAFFIC ENGINEERING	16
SGC.3: WATER RESOURCES ENGINEERING	17
SGC.4: FLOOD CONTROL ENGINEERING	18
SGC.5: WATER QUALITY PLANNING AND ENGINEERING	18
SGC.6: RESOURCE RECOVERY AND WASTE MANAGEMENT ENGINEERING	19
SGC.7: CONSTRUCTION SERVICES	21
SGC.8: HAZARDOUS WASTES ASSESSMENT	24
SGC.9: ENVIRONMENTAL SERVICES	25
SGC.10: SURVEYING AND REAL PROPERTY	28
SGC.11: GEOTECHNICAL ENGINEERING	30

Executive Summary

Overview

The County of Santa Barbara Public Works Department asks for Request for Qualifications. You will find (11) eleven major areas of services in which we may require your company's expertise. Public Works encourages companies with "business centers" that align with our service categories to apply for those categories.

Public Works does NOT ENCOURAGE teaming of prime consultants with sub-consultants. However, if a sub-consultant is proposed, you as the prime consultant will have to obtain pre-approval from the point of contact (POC) from that Service Group Category.

By submitting your Statement of Qualifications your company agrees not to solicit Public Works employees as potential employees. Doing so will be grounds for automatic rejection of your Statement of Qualifications. If the Department discovers your company violated this provision after the selection process has been completed and your company was awarded an agreement, that agreement could be terminated.

The Public Works Department has scheduled conference meetings to give companies that are planning to submit a Statement of Qualifications the opportunity to ask questions regarding this process. These meetings have been scheduled for:

South County – APRIL 23, 2013 FROM 1:00PM TO 3:00PM
Planning Commission Hearing Room – 123 E. Anapamu Street – 1st Floor
Santa Barbara, California

North County – APRIL 23, 2013 FROM 9:30AM TO 11:00AM
Public Work Service Center, 620 W. Foster Road
Santa Maria, California

SUBMISSION DEADLINE: MAY 31, 2013 – by 5:00PM

Statement of Qualifications packets are to be submitted to:

County of Santa Barbara
Public Works Department
123 East Anapamu Street
Santa Barbara CA 93101
Attn: Public Works Contract Coordinator

Label Envelope: "Three-year Professional Services, Statement of Qualifications"

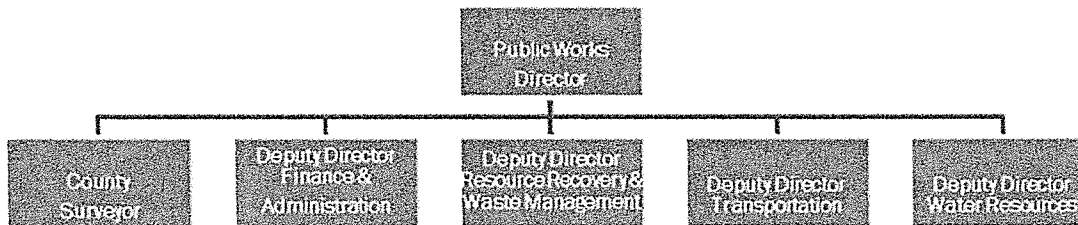
Public Works Department

Management

Along with the Public Works Director, five (5) executives manage the Public Works Department. This team is responsible for managing a \$140 million dollar annual budget, funded by several sources: property taxes, state sales taxes, gasoline taxes, benefit assessment fees, solid waste tipping fees, and development fees.

There are five (5) divisions with approximately 300 employees within the Public Works Department. The five (5) divisions are organized as shown below.

Public Works Organizational Chart



Contractor Coordination

All questions or inquiries regarding this document or the selection process are to be directed to:

Ms. Lynn Hogan, Team/Project Leader (805) 568-3128
Santa Barbara County Public Works Department
123 East Anapamu Street
Santa Barbara California 93101
Fax: (805) 568-3019
E-mail: shogan@cosbpw.net

Throughout this document Ms. Hogan will be referred as the Contract Coordinator.

Summary of Three-Year Services Program

Procurement of Consultant Services

Federal, State, and Local laws and regulations require that the Public Works Department contract via an open, publicly advertised, and fair process. This policy is intended to streamline the process, while assuring a fair, competitive contracting environment. Public Works will solicit once every three years to all interested companies desiring to work with the Department in order to reduce the cost and staff time for both the company and Public Works.

Disadvantaged Business Enterprise Program (DBE)

The County of Santa Barbara is a recipient of federal financial assistance from the U.S. Department of Transportation (DOT) and as such must comply with all elements of Title 49; Part 26 of the CFR entitled "Participation by Disadvantaged Business Enterprises in Department of Transportation Financial Assistance Programs." It is the policy of the County of Santa Barbara to ensure that DBE's as defined in Part 26, have an equal opportunity to receive and participate in DOT assisted contracts.

The Transportation Engineering Section Manager has been designated as the DBE Liaison Officer. In that capacity, the Engineering Section Manager is responsible for implementing all aspects of the Caltrans DBE Program and to comply with all the prescribed responsibilities detailed in the plan.

The Caltrans Local Assistance Procedure Manual (LAPM) Exhibits 10-I, 10-J, are required to be included in this RFQ, while Exhibit 10-O1 will need to be filled out and submitted with the Statement of Qualifications (either with a Zero or 100-percent filled in to the DBE Goal based on the consultant's DBE status). Exhibit 10-O2 submittal will be required at time of each proposal. Each of these Exhibits are attached to this document.

For additional assistance on the DBE, please contact Gena Valentine-Felix, Public Works - Transportation Departmental Assistant at (805) 568-3064.

Three Year Consultants (estimated aggregate agreements of less than \$100,000)

Maximum aggregate total of \$500,000 per vendor

The Department publishes a Master Request for Qualifications (MRFQ) for professional services. Every three years the MRFQ package is available to all existing consultants within the Public Works database and to any consultant who requests the MRFQ package. Only those meeting the minimum qualifications will be on the pre-qualified list.

Specialized Services

At times project requirements will dictate the need for a highly specialized service, or group of services which are not currently or usually available within Public Works or the Master Service Agreement (MSA) consultant list. In these cases, a focused RFQ would be drafted with the special requirements and issued to companies (in and outside of Santa Barbara County) for which specialized services are needed.

Sole Source Consulting

With exclusive licensing arrangements, patented products, State or Federal prerogatives, one consultant may provide the kind of expertise required for the project. Proposals can be obtained directly from these types of consultants with proper backup materials to support such a request. Such requests should have attached a summary review of existing resources stating that no such expertise is available within existing Departmental resources, or the pre-qualifying list.

Construction Support Services

This Policy covers construction support services, such as construction inspection, construction management, construction estimating, and similar services. It is important to keep in mind that this does not apply to the procurement of construction services as it relates to actual construction, since those services are covered within the California Public Contracts Code.

Emergency Consulting

The procedures for emergency consulting are the same as for routine consulting contracts, with the exception that no notice need be given. The Department can authorize work to begin absent a written contract and protracted negotiations; as long as a general price is agreed upon before the work begins. Written documents would follow.

Enrollment Period

This enrollment period covers October 2013 to September 2016. The next open enrollment will begin in April 2016. Companies sending a Letter of Interest before the open enrollment period will be entered into the database and will automatically receive the next Request for Qualifications.

Submittal Review Phases

General: All Statement of Qualifications (SOQ) received by the deadline will be reviewed in the following manner. Please make sure you call the Contract Coordinator if you have any questions regarding these phases.

First Phase

This phase will consist of checking for compliance with our format. If you have submitted a SOQ that does not match the required format, it will not be reviewed. The following items will be checked:

1. Proof of Liability Insurance. If a contract is awarded the company will be required to provide General Liability Insurance with an Endorsement naming the County of Santa Barbara Public Works Department as Additionally Insured, Workers Compensation Insurance, Automobile Liability Insurance, and Professional Liability Insurance if appropriate.
2. Insurance Limits and Ratings Meet Specifications
3. Valid Professional Licenses
4. Exhibit 10-01: Local Agency Consultant DBE Commitment

Second Phase

All submittals that comply with the required format will be placed into Service Groups based on the consultant's identification of which Service Groups they are applying. Each review group will consist of Public Works employees with expertise in the Service Groups identified within this MRFQ. Only the top six (6) companies from each Service Group Category will be selected, if selection is for a sub-category only three (3) companies will be selected.

Third Phase

The third phase will be to execute a purchasing contract with the selected companies.

Qualifications Process

Overview

Introduction: In January of 1990, the California Legislature passed Government Code Sections 4526-4529, the mini-Brooks Act. The mini-Brooks Act mandates the selection of professional service based on qualifications and professional competence.

Qualification Based Selection (QBS) is a very flexible method of selecting professional services for Public Works projects. It provides a means for Public Works to tailor its project requirements with your qualifications, giving Public Works the ability to ensure that the public receives the best available professional for the project while saving taxpayer's money through a fair and equitable selection process.

By submitting a Statement of Qualifications, your company agrees to the review process outlined herein and the decisions resulting from this review process. Making a submission in no way ensures your company will work on Public Works projects. All documents made part of your submission will become the property of Santa Barbara County and may be posted on the Public Works Department's website, unless you deem otherwise. All decisions of the review committees are final.

Basic Scope of Work: The services anticipated in this MRFQ are general in nature and not project specific. With the operational diversity of Public Works, there are many different regulations and requirements to fulfill. Each company is expected to fully understand and implement the various requirements of each discipline with minimal assistance from Public Works. The request for project proposals will be specific in nature and ongoing during the three-year period after this qualification process.

Similar Project Types: The selected company must have demonstrated the ability to provide quality professional services on-time and within project budgets, with minimal supervision. Duties would be those consistent with the project types conceived within the Service Categories. Those tasks might encompass any combination of the following: project planning, cost control, project scheduling, administration, processing projects through all required reviews, obtaining required approvals and permits, all phases of design, preparation of plans, specifications and estimates, coordination with other agencies County or otherwise, construction contract award, management, inspection, and the coordination of sub consultants.

Employment of County Staff: When your firm is invited to execute a MSA, you will be prohibited from making an offer of employment to any person who was involved in the selection process. If an offer is made to those currently on staff with Public Works, outside the selection committee, you must first obtain written approval from the Director of Public Works. Failure to obtain such written approval, prior to executing the employment agreement, may cause your MSA to be terminated.

Previous County Employees: If you are a previous County employee you must have been separated from County employment for at least one-year prior to applying for a MSA.

Pre-Qualifications

General: The purpose of pre-qualifying service providers is that it saves time and money; to help in this effort, the County has adopted a Three-Year Professional Services Policy. In order for the County to determine if your company qualifies, you must complete and return your Statement of Qualifications in the format and timeframe desired. If you have any questions, please call the Contract Coordinator.

Requirements

Please complete and submit the following:

Check if completed Requirement

1. Provide 1 hard copy and 1 digital PDF file of your Statement of Qualifications to the Contract Coordinator.
2. Identify which Service Group Categories your company will be seeking to apply for. You may apply to as many categories as desired. Your company **MUST** be the prime consultant in each of the categories.
3. Identify your travel time from your offices to both of the Public Works two locations:

1) 123 East Anapamu Street, Santa Barbara, CA. and
2) 620 West Foster Road, Santa Maria, CA.

0-2 Hours, 2-4 Hours, 4-6 Hours, 6 Hours plus.
4. List of current and past projects similar to those anticipated by this Request for Qualifications. Your client list must include: project name, owner(s), name and telephone number, your primary contact person, contract amount and whether the contract was completed on-time and within budget. Indicate on this list, those projects for which your firm held the main contract.
5. Identify your Program Manager (prime contact) and other key staff. Include your "internet" or "e-mail" address if applicable. Identify key staff your company plans to use in each service group category. Your key staff could be the same for each service group, as long as they hold valid qualifications in those disciplines. Identify where Manager (prime contact) and key staff offices are located and the response time to reach our offices from their primary office. Refer above to requirement 3 when determining response

time to/from Public Works two locations.

6. Provide a copy of your QA/QC plan with examples of how it works and past performance.
7. Complete a Statement of Insurance Coverage certifying that the required insurance coverage will be obtained by your company and that this coverage is required prior to signing the Master Service Agreement (MSA). If you fail to provide this statement, you will not make it past the first round.
8. Indicate that you understand the quality expectation of Public Works. Indicate any cost saving strategies that have worked for you and other public agency clients that could work for Public Works.

Proposals for Individual Projects: The requirements for Proposal Submission will vary depending on the Service Group Category. The individual project Request for Proposals will provide for clearer guidelines on this issue. These focused RFP's will be issued at project time.

Disqualification

General: It is not the goal of the Public Works Department to disqualify any company. However, in order to manage this program, we need to set minimum requirements, and it is in successful completion of those requirements that your company becomes "pre-qualified".

In the event that your company is disqualified at any stage of this process, you will receive a detailed review of why your Statement of Qualifications was rejected. We do this in an effort to help you in future submittals and would appreciate your feedback as well.

If your submittal was rejected, this will not prohibit you from resubmitting at the next open enrollment. Your company will automatically receive notice of the next open enrollment period. Feel free to contact the Contract Coordinator if you have any questions or need assistance.

Submittal Review Report: If for some reason your Statement of Qualifications is returned to you, we will provide a Submittal Review Report, which will help you understand why your submittal was returned.

This is an important step in helping each of us better serve our clients. In addition, we would like to know your thoughts on the Three-Year Professional Services Selection Program and where we might improve our service.

Any comments are welcome, and may be sent to Anna Brown, Administration Office Professional (805-568-3000) at the same address your Statement of Qualifications was mailed to.

Submittal Format Requirements

General: Your SOQ is required to follow the format described herein or it will be rejected. Any document that does not comply with the format will not be reviewed. The Contract Coordinator will review the general section while the technical evaluator's review Service Group Category Submittals.

Required Format:

- I. Executive Summary
 - A. Company's history

- II. Executive & Project Management
 - A. Executive Management
 - B. Project Management
 - C. Accounting
 - D. Experience with other agencies
 - E. Insurance certificates or statement of certifying you will provide proper coverage at the time the contract is awarded if your company is selected.
 - F. Conflicts of Interests, if any, with other clients or County staff.
 - G. Company QA/QC plan

- III. Key Staff
 - A. Organizational chart showing the executive that your team will be accountable, what work they will perform, and a summary of each person with their qualifications and the primary office that they will work out of.

- IV. Similar Projects
 - A. Size, Scope, and Contacts

- V. Service Groups
 - A. Indicate the service group(s) in tabbed sections.
 - B. Indicate any special knowledge or requirements the service group may ask for.
 - C. Summary of each person with qualifications, if different from general key staff.
 - D. Organization chart showing how your team will work and what executive they are accountable to.

- VI. General Technical Approach to Projects
 - A. Be general at this stage, but convey enough information so we can feel confident that you understand the area of service and what it requires.
- VII. Quality Control Plan
 - Include a discussion of your process for ensuring the quality of the product delivered to the County.

Master Services Agreement

Overview

The Master Services Agreement (MSA) will allow for individual project Addendum. The top ranked and qualifying companies will be invited to execute an MSA with a maximum dollar cap of \$100,000 per project. As projects come on-line, and require use of external resources, a three-year consultant will be selected and requested to submit a focused project proposal. At this point the project specific Addendum can be written and executed and the project is underway: saving time and money for both the County and private sector consultant.

If a project comes up that is over the \$100,000 max cap, all firms who submitted RFP's will be pre-qualified for Board Contracts.

Agreement Structure

General: The form of the Master Service Agreement echoes many service contracts. The basic provisions cover who is responsible for the various work products, compensation arrangement for authorizing extra work not included in original scope, terms of the agreement, conflicts of interest, ownership of data, record keeping and audits, insurance, etc., are all included within the MSA.

Unique Provisions: We have built-in several provisions in response to our internal review, public review and comments on our practices by others, which you will be required to agree with in order to qualify. They are as follows:

Key Staff Changes: You are required to provide us who will be your representative during the term of the agreement and is vested with the ability to make changes in the agreement and assist the Contract Coordinator as needed.

Professional Liability Insurance: The County of Santa Barbara, Department of General Services-Risk Management has an existing policy regarding professional liability insurance coverage. The following chart has been approved by the Santa Barbara County Board of Supervisors and General Services-Risk Management and should be used to determine coverage for both your company and any subcontractors you use.

Work that does not lead directly to construction may be exempted on a case-by-case basis.

Minimum Coverage	Project Limits (construction value)
\$250,000	\$0 to \$500,000
\$500,000	\$500,000 to \$1,000,000
\$1,000,000	\$1,000,000 and up

Companies that are selected under the MSA will be required to submit their Professional Liability Insurance three weeks after receiving their notification letter or your company will forfeit their contract under the MSA.

Service Group Categories (SGC)

Overview

The Public Works Department through its operating divisions, produces a wide variety of work, manages a wide variety of programs, projects, and planning efforts. Work requests are derived from many sources: the public, other divisions, other county departments and non-county agencies. Some projects are generated out of a maintenance need while others are new improvements.

The following Service Group Categories (SGC) should serve as a general guide. Reply to as many SGC's as your company can qualify to provide. Each service group category has a point of contact that you may contact for any questions on the service group you are planning to submit your RFQ to. The point of contact (POC) staff name and phone have been listed.

SGC.1: Roadway & Structures Engineering
 Subcategory 1.1: Hydraulics
 Subcategory 1.2: Pavement
 Subcategory 1.3: Quality Control/Quality Assurance
 POC: Ron Bensel – 568-3311

SGC.2: Transportation Planning & Traffic Engineering
 POC: Gary Smart -805-568-3308

SGC.3: Water Resources Engineering
 POC: Matt Naftaly – 805-568-3442

SGC.4: Flood Control Engineering
 POC: Jon Frye – 805-568-3444

SGC.5: Water Quality Planning and Engineering

POC: Joy Hufschmid – 805-568-3373

SGC.6: Resource Recovery and Waste Management Engineering
Subcategory 6.1 - Solid Waste Facilities Design and Permitting Support
Subcategory 6.2 - Landfill Gas System Design and Management
Subcategory 6.3 - Small Project Engineering Support
POC: Imelda Cragin – 805-882-3613

SGC.7: Construction Services
Subcategory 7.1 – Materials & Lab Testing
POC: Bill Tracy – 805-681-5694

SGC.8: Hazardous Material Assessment
POC: Mark Zuber – 805-882-3619

SGC.9: Environmental Services-Biological Field Surveys
Subcategory 9.1 - Environmental Document Preparation
Subcategory 9.2 - Biological Services
POC: Charles Elbert – 805-568-3123

SGC.10: Surveying and Real Property Services
Subcategory 10.1 – Aerial Surveying
Subcategory 10.2 – Real Property Services
POC: Aleksandar Jevremovic - 805-568-3020

SGC.11: Geotechnical Engineering
POC: Bill Tracy – 805-681-5694

Three-Year Service Program Categories

SGC.1: Roadway & Structures Engineering

General

1. Project Coordination, your company will assist Public Works as required to fulfill requirements set forth by appropriate authorities and funding agencies having an interest in the project.
2. Your company shall abide by all applicable guidelines regarding funding (i.e., auditing requirements and payroll affidavits).
3. Generate meeting minutes, schedules, and budgets with updates as required throughout the project.

Typical Tasks

Road Engineering: Typical road engineering tasks encompass a wide range of activities and multiple specialties. Road Engineering could be any combination of the following:

roadway design, structures design, drainage systems design, utility identification and relocation, independent checks of roadway design and quantities, project budgeting, and finally project scheduling. Your company's technical and administrative approach should be consistent with appropriate County, State, and Federal standards.

Structures Engineering: Your Company may be involved in the development of projects with various types of structures including but not limited to bridges, drainage features, and earth retaining structures. Your company must be familiar and demonstrate experience in current County, State, and Federal standards and guidelines and when to apply each. Your company may also be asked to perform an independent check of structure plans developed by Santa Barbara County staff. An independent design check must consist of at least complete calculations with computer analysis to assure proposed layout, details, structure capacity, and constructability all conform to current County, State and Federal design standards as well as recommendations in foundation reports, project reports, environmental documents, and other relevant design standards.

Subcategory 1.1 - Hydraulics

Your company is required to have knowledge and skill in performing hydraulic, hydrologic, or sediment transport analyses and modeling for the design and maintenance of bridges, culverts, and roadways. Work might involve preparation of the following documents or reports in accordance with the Caltrans Local Assistance Procedures Manual: Bridge Design Hydraulic Study, Bridge Location Hydraulic Study, Floodplain Evaluation Report Summary, Location Hydraulic Study Form, Preliminary Hydrologic/Hydraulic Review Summary, and related studies. Typical references for this work would include FHWA Hydraulic Engineering Circular 18, Circular 20, Circular 23, and California Bank and Shore Protection Rock Slope Protection Design.

Subcategory 1.2 - Pavement

Your company must have the knowledge and experience to perform roadway asphalt pavement structural section evaluation, and provide design recommendations for proper application of surface treatment and for surface rehabilitation methods. These methods may include fog seal, microsurfacing, scrub seal, or asphalt concrete overlay and material testing. Consultant is to submit written reports and recommendations to Public Works staff.

Subcategory 1.3 – Quality Control/Quality Assurance

Your company must have knowledge and experience performing quality control/quality assurance reviews that conform to the Caltrans ready to list guide procedures. This process may include plan, specification, and estimate (PS&E) comparisons to ensure the PS&E package is biddable and buildable. Consultant is to submit written reports documenting comments and responses to comments. Further coordination may be required on a project by project basis; emphasis will be placed on the current Caltrans standard plans and specifications.

SGC.2: Transportation Planning & Traffic Engineering

General

Your company should indicate that you hold the experience required to provide services in this area, that your company understands County, State, and Federal requirements in traffic modeling. Indicate your company's experience in transportation planning using the Caltrans and County design manuals, as well as other related references.

We anticipate our project load to vary with degree and intensity. These projects could be a result of a proposed development project under permit review by the County of Santa Barbara, Planning and Development Department. In many cases, our project load is generated through Public Works projects requiring traffic-engineering services. In these cases, we have staff available to handle the work, but there are times where our internal resources peak and staff is not available requiring the services of your company. When external services are required to meet project specific deadlines, you will receive a focused project RFP. The focus project RFP will outline all the requirements of the project.

You will be required to coordinate your work with other agencies. Please indicate in your Statement of Qualifications your experience with examples of that experience. Such other agencies could be, Santa Barbara County Associations of Governments (SBCAG), Planning & Development, State, and local governments in the following areas:

Transportation Planning:

Your Company will assist the Public Works-Transportation Division in the following areas:

Community Traffic Models: Recommend an appropriate transportation simulation model to produce ten to twenty year forecast reflective of specific land use designations and their effect on the existing and proposed transportation system of the focus project planning area. Be responsible for coordinating with SBCAG to identify external trip making characteristics, including external-external trips, external-internal trips and internal-external trips relevant to the planning area under study.

Develop a Traffic Analysis Zone system that effectively simulates traffic loading from various land uses onto the network in the planning area under study. You will be responsible to meet with SBCAG early in the process to insure compliance with their requirements.

Prepare an appropriate roadway network for the planning area under study as outlined in the focus project RFP. The network should be appropriately classified and the same classification scheme should be used for all study areas within the county. Upon successful data assembly, develop trip generation rates by trip type. The model should then be calibrated within reasonable parameters. The results and documentation of the model calibration shall be presented to the Public Works-Transportation Division for approval.

Model Application: The model will be used to determine the effectiveness of the study area's transportation system. The model will be used to generate or update the planning area's Transportation Improvement Plan.

Evaluate various roadway configurations in the study area to determine which would be the most effective in terms of accommodating large-scale development (either residential or commercial). The evaluation should include conclusions and recommendations.

Conduct detailed analysis of future roadway extensions; determine the regional effect of at-grade intersections, a full access diamond interchange and other traffic handling solutions. This analysis should include recommendations and conclusions.

Traffic Engineering

Traffic Control Design: Your Company will need to demonstrate qualifications in any of the following areas:

- Traffic Signal Planning and Design
- Bike Lane Planning and Design
- Intersection/Interchange Planning, Signal & Pavement Marking
- Pedestrian Movement Planning
- Traffic Movement/Volume Planning, Analysis and Recommendations
- Traffic Control Planning and Design
- Roadway Alignment Analysis, Planning and Design
- Peer Review of Traffic Studies and Designs

Signage & Pavement Delineation Plans: Demonstrate how your company understands the Caltrans Traffic and Highway Capacity Manuals, as they relate to the signage and delineation of the roadway.

SGC.3: Water Resources Engineering

Your company may be requested to provide a variety of Water Resource Services including but not limited to:

1. Preparation of hydrologic reports/investigations and identify issues.
2. Recommendation of water supply options
3. Will be required to interpret and summarize, and/or study hydrologic and hydro-geologic data
4. Provide technical support as directed by the Department
5. Technical, field, and professional support on issues pertaining to water quality and water conservation

SGC.4 Flood Control Engineering

The selected consultant(s) may be requested to provide a variety of Water Resources Engineering Services including but not limited to any engineering services related to drainage and flood control, and as directed by the Department.

Watershed Studies: General watershed studies including various hydrologic and hydraulic computations using generally accepted engineering methods (including HEC-HMC, HEC-RAS, SBUH, and other Flood Control District Programs) to determine the predicted flow, capacity of existing and proposed hydraulic structures and watercourses, evaluate improvements as directed (Master Drainage Plans), and determine deficiencies of a system given the capacity desired by the Department.

FEMA-Level Studies: As necessary to accompany the Flood Control District's capital improvement projects.

Flood Control and Drainage Engineering: General engineering for flood control and drainage work including preparation of construction drawings in AUTOCAD[®]™ (or a Flood Control District approved alternative) and specifications for various drainage and flood control improvements (including storm drains, channels, basins, etc.), construction contract specifications, fish passage studies, cost estimates for various project alternatives, evaluation of various alternatives for flood control maintenance activities, cost-benefit analysis for various flood control capital Improvements or maintenance activities, and review of development plans for adequacy and conformance with Flood Control Standards.

Design and Construction Inspection: Engineering design and construction inspection of capital improvement projects and emergency projects resulting from a flood, fire, or other disaster requiring timely response to safeguard the public.

SGC.5: Water Quality Planning and Engineering

The selected consultant(s) may be required to provide a variety of water quality planning and engineering services as directed by the Department. Selected firms need to demonstrate an understanding of water quality regulations pertinent to Santa Barbara County, in particular the Clean Water Act and National Pollutant Discharge Elimination System (NPDES) Municipal General Permit for storm water discharges. Typical tasks associated with this category include:

- Engineering studies and modeling related to hydromodification and post construction regulations.
- Preparation of regulatory-required documents, such as Total Maximum Daily Load (TMDL) implementation plans.
- Technical review and comment on proposed water quality regulations.
- Planning/development review assistance to ensure NPDES permit compliance.

- Review and comment on stormwater submittals for land development projects.
- Best Management Practice design and implementation.
- Watershed planning.
- Water quality monitoring planning and implementation.
- Technical assistance as required on issues pertaining to water quality and storm water management.

SGC.6: Resource Recovery and Waste Management Engineering

General: Your Company will be required to be knowledgeable in all areas of engineering associated with Resource Recovery and Waste Management facilities which includes active and closed landfills, transfer stations, recycling facilities and waste water treatment plants.

In addition, your company should be able to provide assistance with the environmental review of Resource Recovery and Waste Management projects. Engineering projects could include, and are not limited to any or the following:

- Civil Engineering
- Geotechnical Engineering;
- Structural Engineering;
- Drainage;
- Construction Services;
- Hydrogeology;
- Environmental, and
- The design of Resource Recovery and Waste Management facilities.

Resource Recovery and Waste Management Engineering Subcategories

Interested companies should specifically state your qualifications and expertise for any or all of the three Subcategories listed as follows:

Subcategory 6.1 - Solid Waste Facilities Design and Permitting Support

Typical tasks associated with landfills, transfer stations, and recycling facilities projects may include any of the following:

1. Preparation of regulatory-required documents, such as Joint Technical Documents, Report of Site Information, preliminary or final closure and post closure maintenance plans.
2. Preparation of engineering drawings for landfill expansions, landfill closures,

transfer stations and for recycling facilities.

3. Coordination with regulatory agencies (e.g. RWQCB, CIWMB, LEA, APCD).
4. Review and comment on correspondence received from RWQCB, CIWMB, LEA & APCD.
5. Review and comment on landfill, transfer station and recycling facility projects prepared by Public Works Department Staff.
6. Provide independent review and comment on projects prepared for the Public Works Department by Consulting Companies.
7. Provide hydro-geological services for the location, design and construction of groundwater monitoring, production, injection and/or dewatering wells.
8. Provide Engineering support for the sighting of new solid waste facilities (e.g. landfill, transfer station, recycling facility, etc.).

Subcategory 6.2 - Landfill Gas System Design and Management

Typical tasks associated with Landfill Gas Design and Management projects may include any of the following:

1. Development of landfill gas system design concepts for active, new and/or closed landfills.
2. Preparation of engineering drawings for landfill gas collection systems, landfill gas cogeneration equipment and/or landfill gas destruction equipment.
3. Assist with troubleshooting landfill gas collection, cogeneration and destruction device issues that may develop.
4. Provide guidance on landfill gas sampling, landfill gas migration and landfill gas system maintenance.
5. Coordination with Regulatory Agencies regarding landfill gas permitting issues (e.g. APCD, LEA, CIWMB, RWQCB)
6. Review and comment on correspondence received from Regulatory Agencies such as the APCD, LEA, CIWMB, RWQCB on landfill gas issues.
7. Review and comment on landfill gas projects prepared by Public Works Department staff.
8. Provide independent review and comment on projects prepared for the Public Works Department by consulting companies with landfill gas expertise.

Subcategory 6.3 - Small Project Engineering Support

Typical tasks associated with Small Project Engineering Support may include any of the following:

1. Provide engineering design and plans for various maintenance and repair projects (e.g. roadway improvements, landfill winter road, drainage improvements).
2. Provide contract administration for various maintenance and repair projects.

3. Prepare engineering deliverables such as grading plans, structural evaluation, and hydraulic calculations.
4. Provide engineering computer drafting assistance (e.g. AutoCAD).
5. Coordinate with Regulatory Agencies for approval of plans, submission of calculations and compliance with regulatory requirements.
6. Prepare plans and specifications for construction bid packages.
7. Provide contract inspection for various maintenance and repair projects.
8. Review and comment on maintenance and repair projects prepared by Public Works Department staff.

Geotechnical Engineering: Typical tasks associated with geotechnical engineering are found within SGC.11: Geotechnical Engineering.

Environmental Services: Tasks associated with environmental services are found within SGC.9: Environmental Services.

Construction Services: Typical tasks associated with construction services are found within SGC.7: Construction Services.

SGC.7: Construction Services

General: The effort of construction will require the orchestrated movement of many people. Design engineering, construction plans and specifications, and well planned construction sequence are needed during the construction phase.

It is important to continue the flow of work in an organized thorough fashion. Public Works projects require the processing of many paper trails; contracts, payment invoices, reports, meeting minutes, change orders, etc.

The following areas of administrative support for construction activities, indicates the types of service that are needed within Public Works. Please provide your company's qualifications as it relates to the following.

Construction Management: Construction management varies depending upon project scope and schedule. The function of construction manager entails the accurate management of activities on the project site at any given time. The project Construction Manager (CM) works closely with Public Works to insure the project is executed as planned.

The Records that are kept by the CM become part of the permanent record of Public Works. If the project is a large one or the funding source requires it, the CM will be full time on the project site. In other cases, a portion of time will be spent on-site, with

typical tasks as follows:

1. Manage & monitor work progress and schedule.
2. Manage & monitor record and report contract compliance.
3. Manage & monitor record and report daily activities, such as equipment used, personnel on site, work being done, weather conditions, etc.
4. Manage & monitor record and report construction related safety issues and violations.
5. Manage & monitor record and report construction delays, their cause and remedies.
6. Coordinate efforts with Contract Administration.

Construction Administration: Construction Administration is a complex set of tasks requiring a high level of skill and attention by your company. Because most projects move very quickly once under construction; your company must not only observe progress in the field but also be responsive to the continuing flow of inquiries, submittals, and request for changes and payments that characterize daily construction activity.

Our projects, of any size or complexity can involve a great deal of paperwork, many meetings, and frequent travel to the project site. In some cases this travel may also include trips to places where construction products are being processed, stored, fabricated or manufactured for the project.

Your company will be responsible to manage any of the following tasks:

1. Assist in the Bid & Award Phase to insure continuity during construction.
2. Arrange pre-construction meetings.
3. Coordination of contractors.
4. Insure compliance with applicable laws.
5. Receive, review, route and manage contractor submittals.
6. Review, understand and implement Agency Policy affecting the project.
7. Provide construction field observation and materials testing and certification.
8. Assist with project mobilization efforts as needed.
9. Review, comment and process payment requests.
6. Other assignments as required by specific project requirements.
7. Prepare and issue project Change Orders.
8. Analyze, process and resolve Contract Claims.
9. Review Plans and specifications for constructability

Construction Estimating: Project cost estimating is a key task in the overall project delivery process. Accurate, timely and detailed cost estimates help provide needed funding information to those who decide whether a project is initiated or not. Your company needs to demonstrate to Public Works that you hold the needed skills to

provide estimating services. Many of our projects are funded from State or Federal sources. Indicate that your company has worked with these types of funding sources and provide examples where possible.

Construction Inspection: The Construction Inspector will be required to be a registered Civil Engineer in the State of California. Your company must demonstrate experience with Caltrans, County, California State Department of Fish & Game and other related inspection procedures and guidelines. Projects requiring inspection during construction would consist of any of the following:

1. Technical inspection of roadway construction.
2. Technical inspection of creek maintenance activities.
3. Geotechnical sampling and reporting.
4. Materials testing, sampling, reporting and certification.

Subcategory SGC.7.1: Materials & Lab Testing

Provide Materials and Lab testing in support of construction of Public Works projects.

The following is a list of desired pre-requisites for a Materials and Lab Testing firm:

1. A Caltrans Certified Lab is preferred, with Caltrans Certified lab technicians per the County of Santa Barbara Quality Control Plan (QAP) approved by Caltrans (available on request).
2. Copies of certifications of the Lab and all Certifications of the Lab Technicians should be submitted with the MSA Proposal.
3. Calibration of Equipment is required per the Quality Assurance Program (available on request). Provide Calibration certificates with your MSA proposal on all equipment.
4. Firms staffed with a combination of civil engineers and geologists that provide a wide array of technical knowledge and experience on Public Works type projects.
5. Ability to perform welding inspection. The Department occasionally utilizes ICC Certified welders to connect metal parts. Successful firms should have access to certified welding inspectors with experience on Public Works type projects.

Labs are qualified based on several factors, including:

- 1) Caltrans Certification for materials testing by examination of both personnel and equipment occurs annually. The firm's equipment is checked in their lab by Caltrans certified personnel and their lab technicians are given samples to analyze. The results of the testing are compared to a known standard.
- 2) Firms that reside within the County may be given priority to minimize travel time.
- 3) The firms are staffed by a mixture of civil engineers and geologists that provide a wide array of technical knowledge and experience in public works projects.

SGC.8: Hazardous Wastes Assessment

General: The timely, accurate and effective identification of materials known to be of a hazardous nature is important to ascertain during the beginning stages of any project. Professional services to provide this kind of expertise are needed by the county

Your company will need to demonstrate qualifications in the area of assessment, planning and design as it relates to the identification and removal of hazardous wastes. Upon completion of a specific assessment document, makes it possible for Public Works to issue a Request for Proposals focused on its remediation.

It is important for your company to demonstrate your understanding of all relevant laws, codes, guidelines and requirements of governing agencies having jurisdiction over the hazardous wastes. Other agencies within the County of Santa Barbara have jurisdiction over the activities related to removal of hazardous wastes.

It will be the responsibility of your company to find, obtain, understand and implement the requirements of these agencies.

Environmental Site Assessment: As part of any engineering improvement project, hazardous wastes may be encountered. It is impossible at this point to determine the complexity, degree of involvement, type of work or effort required to effectively plan for the remediation of these wastes.

The scope and nature of this type of work will be defined at the time projects are assigned, with sufficient detail for your company to adequately respond.

Types of assessment/planning efforts could involve any of the following tasks:

1. Above Ground Investigations.
2. Subsurface Investigations.
3. Site Assessment Plans.
4. Site Remediation and Subsequent Reporting.
5. Feasibility Study Reports/Technical work plans
6. Remediation Action Plans.
7. Agency Review Processing, Permitting And Notifications.
8. Meeting Attendance, Meeting Reports.
9. Project Estimating, Budgeting, Contract Administration.
10. Project Scheduling.
11. Site Specific Health and Safety Plans.

Typical event encounters would be underground tanks, ACM's, spills in the road right-of-way, discovery due to excavations, and similar situations.

Environmental Remediation: At times our projects require environmental remediation prior to when an improvement project starts. Your companies will need to demonstrate expertise in the following areas:

1. Groundwater investigations soil gas investigation and modeling.
2. RCRA Facility Investigations.
3. Risk Assessment.
4. Remedial Design, Feasibility Studies & Technology Screening.
5. Containment Design.
6. Field QA/QC.
7. CERCLA RI/FS/RD
8. Waste Minimization.
9. Permit Application Processing.
10. Compliance Audits.
11. Similar tasks not defined here.
12. Apply for and receiving site closer, no further action letters (NFA).

SGC.9: Environmental Services

General: A qualitative description of tasks included in the scope of work for environmental review and technical support services for the Public Works Department is provided below. It would be impossible at this juncture to accurately estimate the level of environmental and technical support services anticipated over the proposed term of this request. For this reason, your Statement of Qualifications should indicate in a general nature your company's qualifications to provide such services.

This Request for Qualifications, solicits consultants with expertise in two environmental subcategories. Interested companies should identify your qualifications and expertise for either or both the categories.

Subcategory SGC.9.1: Environmental Document Preparation and Permitting

Typical tasks for their subcategory would include preparation of environmental documents, preparation of technical studies for environmental issue areas, and preparation of application packages to other regulatory and permitting agencies as discussed below.

1. CEQA Expertise

Describe your company's experience with specific applications of CEQA. Indicate documents your company has prepared for similar projects within Santa Barbara County. This summary should include the following: 1) a brief description of the projects, 2) type of CEQA document prepared.

4. NEPA Expertise

Describe your company's experience with specific applications of NEPA. Indicate documents your company has prepared for similar projects within Santa Barbara County. This summary should include the following: 1) a brief description of the projects, 2) type of NEPA document prepared.

The types of CEQA and NEPA documents you may be asked to prepare include:

Initial Study/Environmental Assessments: Unless a project is determined to be exempt for CEQA/NEPA review, we will prepare an initial study at the time of project launch as required by County, state and Federal guidelines.

The initial Study will identify potentially significant, adverse impacts of a proposed project. Discuss ways to mitigate the significant impacts identified, identify applicable County policies and determine the type of subsequent environmental review required, whether that be an Environmental Impact Report (EIR) or Negative Declaration. The Department will determine whether County staff or an MSA consultant will prepare the initial study.

Negative Declarations/FONSI: If the project requires a Negative Declaration /FONSI, and it is determined that an MSA consultant will do the work, a focused Request for Proposals will be issued. This focused proposal, will detail the scope of work, including costs and time estimates. The Initial Study will be the one document the consultant is to use to provide a responsive proposal

Environmental Impact Reports/Statements: If the project requires an Environmental Impact Report (EIR), and it is determined that an MSA consultant will do the work, a focused Request for Proposals will be issued. This focused proposal, will detail the scope of work, including costs and time estimates. The Initial study will be one document the consultant is to use to provide a responsive proposal.

5. Issue Area Analysis

If we determine that the environmental document is to be prepared with County staff, we will determine if your company could help with technical support in issue area analysis. Issue area expertise to be provided by you, under an MSA could include, but not be limited to the following:

1. Geology
2. Hydrology
3. Biology
4. Historical/Cultural Resources
5. Air Quality
6. Traffic Agriculture/Land Use
7. Aesthetics
8. Noise
9. Systems Safety/Risk Assessment.

If your company holds other areas of expertise, please indicate those as well. If we do the work without staff as indicted above, and we need your company's expertise on issue analysis, we will send you a focused RFP, with our Initial Study for your review in preparation on your proposal. If selected, you will prepare technical issue area analysis as identified in the focused proposal and Notice to Proceed. You will further be required to prepare this analysis to satisfy the requirements of county Thresholds Guidelines and CEQA, including any legislative changes. It will be your responsibility to obtain, maintain and otherwise make yourself aware of the CEQA changes and requirements. We will not be held responsible for your failure to do so.

6. Permitting

If the project requires permits from other agencies you may be asked to assist in the preparation of application packages and acquisition of permits from the agencies listed below. Please describe you experience working with these agencies.

State Fish & Wildlife Expertise: Describe your company's experience acquiring streambed alteration agreements from the State of California Department of Fish & Wildlife. Provide examples of your coordination in the form of permit applications, letters or related documents that give us an idea of your qualifications to acquire permits in this area.

Regional Water Quality Control Board Expertise: Describe your company's experience helping agencies comply with state storm water pollution regulations and acquiring 401 Water Quality Certifications. Provide examples of your coordination in the form of permit applications, letters or related documents that give us an idea of your qualifications to acquire permits in this area.

U.S. Fish and Wildlife Service Expertise: Describe your company's experience with the U.S. Fish and Wildlife Service. Provide examples of your coordination in the form of biological assessments, Habitat conservation plans, letters or related documents that give us an idea of your qualifications to acquire permits in this area

U.S. Army Corps of Engineers: Describe your company's experience obtaining Army Corps nationwide, regional, and/or individual permits. Provide examples of your coordination in the form of permit applications, letters or related documents that give us an idea of your qualifications in this area.

Other Regulatory Agencies: Please describe your company's experience working with and obtaining permits from the California Coastal Commission, Santa Barbara County Planning and Development, Santa Barbara Air Pollution Control District, and NOAA Fisheries.

5. Sub Consultants

If you plan to use sub consultants(s) provide the required information and indicate what section(s) of the work they will perform and how the county insurance requirements will be handled.

6. Resource Recovery and Waste Management Facilities

The County operates Tajiguas landfill, several transfer stations, a wastewater treatment plant and maintains several closed landfills. The county may require assistance with the preparation of environmental documents for these types of facilities. Companies wishing to be eligible to prepare documents for these types of facilities must submit a sample Environmental Impact Report (EIR) for a landfill-permitting project (only submit one copy).

Subcategory 9.2: Biological Services

Typical tasks associated with this subcategory include:

1. Field surveys for biological resources (flora and fauna);
2. Biological assessments;
3. Mitigation plan development and implementation;
4. Mitigation monitoring;
5. Wetlands delineations using Army Corps of Engineers and USFWS methodologies;
6. Endangered and threatened species surveys, mitigation plan development and monitoring, and Section 7 and 10 consultations.

Please describe your company's experiences undertaking these biological tasks and specifically identify staff qualified to complete tasks 5 and 6.

SGC.10: Surveying and Real Property

Surveying is the science of determining the dimensions and shape (or three-dimensional characteristics) of the earth's surface by means of measuring lines and angles, and applying the principles of mathematics. Field surveying locates, establishes, or retraces property lines, performs geodetic or cadastral surveying and determines information shown on any map or document prepared in connection with the above activities. Field surveying can involve staking out the lines and grades needed for construction of improvements for Public Works or other County Departments. Office surveying activities include review of subdivision maps, records of surveys, corner records and certificates of compliance for compliance with state law and local ordinances.

Public Works has a complete Survey Division. When project delivery requirements exceed the Surveyor Division's ability to respond, your company will be asked to help. The work requested could involve any of the following tasks:

Land Surveying: Land surveys or *boundary surveys* are the function of locating the property boundaries or right of way of project sites. In addition to on-site fieldwork, historical research may be required to establish ownership, title and easement restrictions as well as other constraints placed on the real property. This type of work may also be referred to as *property surveys*, *boundary surveys*, or *cadastral surveys*.

Topographical Surveying: This type of surveying entails locating objects and measuring the relief, three-dimensional variations of the earth's surface and/or other topographical features. Detailed information is obtained pertaining to the elevations as well as to the

locations of man-made features or improvements and natural features. Topographical maps are prepared to document the survey. This type survey is also referred to as a *preliminary survey*.

Route Surveying: Route surveying involves the determination of the relief and locations of natural and artificial objects along a proposed route for an improvement. Additionally, this may include the staking of the proposed improvements including clearing, rough grade, and finish grade stakes (See construction staking below).

Control Surveying: Control surveys, are those made to establish the horizontal and vertical positions of various points. The points are selected so that they form a net over the project site under consideration so as to provide a convenient method to tie planned improvement placement to these points. Methods used will involve the use of GPS, CORS sites, and differing datum's (NAD27, NAD83, NGVD29, or NAVD88).

Construction Surveying: Construction surveying provides the basis for proper placement of improvements. This type of surveying is needed at all stages of the construction process in an effort to insure that the final product meets all the design requirements for placement, elevation and alignment. Hydrographic Surveying pertains to bodies of water, streams, and/or marshes. Shorelines are charted, shapes of area beneath the water's surface are determined and other related information needed relative to navigation, flood control, and water resource management is obtained.

Subdivision Map Checking: Primarily centered on office activities, this area includes subdivision map review, review of lot line adjustments or voluntary mergers, and review of certificates of compliance for compliance with State Law and local ordinances.

Subcategory 10.1: Aerial Surveying

Aerial Surveying: Aerial surveying is used in conjunction with limited land surveying efforts. Products that may be required include digital Roth-photography, compilation of contours or physical features, digital terrain models, and various photographic products (Oblique's, etc.). This area also includes newer technologies such as the use of airborne GPS, LIDAR, and reflective or absorption technology (radar, infrared, etc.). Firms selected from this group will be specialized in that their primary business must be to provide aerial surveying services and products.

Subcategory 10.2: Real Property Services

Real Property Services: The County Surveyor's Office provides real property services to each of the three operational Divisions within Public Works. These services include negotiating all aspects of acquiring and disposing of County property interests. Interests could include easements, fee property, temporary entry permits, licenses or leases.

Real Property Appraisal: This section includes any functions performed by a licensed appraiser including condemnation proceedings (MAI certification or appropriate experience is required for higher level activities). The selected firms must be able to complete appraisals in accordance with the procedures and criteria contained in the Uniform Appraisal Standards for Federal Land Acquisitions.

SGC.11: Geotechnical Engineering

General: Design of civil engineering projects often requires evaluation of subsurface conditions, investigation of possible geologic hazards, and development of recommendations for foundation designs, material requirements, and material qualities.

The evaluation of geotechnical properties typically involve the review of existing information, field exploration, recommendations for laboratory analytical testing of materials, geologic and geotechnical evaluation, geotechnical recommendation and preparation of geotechnical reports. These items will be utilized for the design and construction of roadways, foundations and other structures

Companies selected to take part in the MSA program must be ready to provide any of the following services or complete tasks as requested by the Project Engineer. This list is not intended to be exhaustive, but rather should be a guide to the tasks that would typically be asked of a consultant selected under this group subcategory for Geotechnical Engineering.

Subsurface Exploration and Investigation

1. Reconnaissance Investigations
2. Soil Borings and Sampling
3. Geophysical Explorations
4. Groundwater Investigations
5. Rock Coring and Classification
6. Core Penetration
7. Records and Document Review
8. Materials Testing

Soil Classification and Laboratory Testing

1. Classifications of soil and rock by the Unified Soil Classification System
2. Evaluation of Soil Properties, including Shear Strength, Angle of Internal Friction, Expansion Potential, Compressibility, and Corrosion Potential

The Department of Public Works is involved in the design and construction of a multitude of structures necessitating foundation design and geotechnical engineering including roads, bridges, retaining structures, drainage facilities, and other infrastructure items. As such, we will be seeking a collection of consultants that will be able to supply experience in a wide assortment of design applications. The following list of tasks should be considered a general guide to the experience we will be looking for collectively

from the consultants selected. Highlighting the areas that you have the greatest experience and knowledge about as a company and with current staff will be helpful in evaluating for this MSA selection process.

Typical Tasks:

1. Project Planning
2. Geologic Mapping
3. Geotechnical and Geophysical Exploration
4. Classification and Description of Physical Properties of Materials
5. Rock Mechanics
6. Foundation Type Selection
7. Settlement Estimation
8. Embedment Length and size of Foundation Elements
9. Lateral Load Capacity
10. Earthwork Requirements
11. Slope Stability Analysis
12. Design Criteria for Static and Dynamic Loading
13. Seismic Design and Earthquake Analysis
14. Geologic Hazard Evaluation
15. Soil Improvement
16. Groundwater Control
17. Surface Water and Drainage Control
18. Preparation of Material Reports, per Caltrans California Test 130
19. Preparation of Foundation Reports prepared per County, State and Federal guidelines and requirements and stamped & signed by a Geotechnical Engineer licensed in the State of California.

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	October 28, 2013
Submitted by:	Operations Division
Approved by:	Randall Ward

SUBJECT: Arroyo Paredon Creek and Foothill Road (Hwy 192) – Potholing Project to Locate the South Coast Conduit

SUMMARY:

CalTrans intends to replace the Foothill Road (Hwy 192) Bridge where it crosses Arroyo Paredon Creek, near Carpinteria. Under the current bridge is a concrete apron that protects the bridge foundations that serves as a nick point in the stream aggrading sediments upstream. The old bridge and concrete apron will all be removed and replaced with a new bridge that will completely span the bank-full-width of the creek. The National Marine Fisheries Service (NMFS) requires that the CalTrans mitigate the current fish passage impediment by lowering the upstream stream elevation to allow juvenile and adult steelhead passage. The South Coast Conduit (SCC) crosses the creek approximately 20 yards upstream of the bridge. The exact horizontal and vertical location of the SCC is needed by CalTrans engineers to be able to further the project designs. COMB knows the approximate horizontal (within 20 feet where it crosses the creek) and vertical (within 15 feet of the surface) location of the pipe. The SCC needs to be potholed where it crosses Arroyo Paredon Creek north of Foothill Road (Hwy 192).

Due to administrative and contractual difficulties, CalTrans has solicited COMB's collaboration to conduct the required potholing effort. CalTrans will fully reimburse COMB for the project as well as indemnify COMB for the project. CalTrans owns an easement in fee from Foothill Road north to beyond the SCC where it crosses the creek. A letter of concurrence from Natasha Lohmus, CDFW Streambed Alteration Permit Coordinator, has been obtained. The streambed is dry and the project needs to be completed as soon as possible before the rainy season and live stream condition.

Project Description: An excavator will be walked into the creek from the northwest side of Foothill Road and Arroyo Paredon Creek utilizing the CalTrans easement. A trench will be dug in the middle of the stream until the SCC is located. The potholing effort is expected to take one to two days depending on the extent of the project. Once the SCC is located, it will be surveyed to record its exact location. Then the pipe will be covered with a minimum of two feet of sand and the trench backfilled with native streambed material. The streambed and banks will be restored to pre-project elevations and configuration.

Contractor: Peter Lapidus Construction (PLC). See Exhibit 1 – Non-Competitively Bid Contract Justification.

CalTrans Oversight: Robert Davis, Chuck Cesena, and Amy Donatello.

FINANCIAL IMPACT:

A quote for the project was received from PLC for \$10,000 (See Exhibit 2). If the site where the potholing will take place needs to be dewatered or if the trenching is more extensive than thought, the effort will

cost more. COMB staff recommends capping the cost of the project at \$15,000. CalTrans has agreed to fully reimburse COMB for the project and has encumbered the funds. The administrative process to obtain reimbursement will begin prior to construction to expedite the process.

LEGAL CONCURRENCE:

COMB legal counsel has reviewed and approved the project provided CalTrans indemnifies COMB for the project.

ENVIRONMENTAL COMPLIANCE:

All permits have been obtained and are being followed.

COMMITTEE STATUS:

N/A

RECOMMENDATION:

Action Item 7: Authorizing the General Manager to execute a contract with PLC to pothole the SCC where it crosses Arroyo. The contract should not exceed \$15,000.

LIST OF EXHIBITS:

1. Non-Competitively Bid Contract Justification for PLC.
2. PLC quote for the project.

**Arroyo Paredon Creek and Foothill Road (Hwy 192)
Potholing Project to Locate the south Coast Conduit**

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

To: Cachuma Operation and Maintenance Board

From: COMB Operations Division

Contract: Pothole the South Coast Conduit (SCC) where it crosses Arroyo Paredon Creek near the City of Carpinteria; a collaborative effort with CalTrans.

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

A. Factors of Consideration

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

The project needs to be done quickly by a contractor that is recognized by California Department of Fish and Wildlife (CDFW) for their expertise in streambed work in a creek that has potential for having endangered species.

Factors determining that conclusion are as follows:

- Arroyo Paredon Creek is dry at the moment but winter rains are approaching and the potholing process needs to happen as soon as possible to not delay CalTrans' design effort for their bridge replacement project.
- CDFW has requested using a contractor that has expertise in stream restoration. They have suggested using Peter Lapidus Construction (PLC).
- PLC knows the location and landowner that will facilitate the project.
- Given the short duration of the project, CDFW suggested contractor, and contractor availability, PLC has been selected for the job.

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

- COMB would have to go out for competitive bid which requires a comprehensive Bid Packet, posting of the project, and 3-4 weeks to receive bids, make a selection and award a contract. This timetable would prohibit completing the project and obtaining the needed data prior to arrival of the wet season, and would greatly delay CalTrans' design process.

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

- COMB will work on getting this project done earlier in the dry season to allow for adequate time to competitively bid the project.

B. Price Analysis

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

- COMB's experience with this type of work, the expertise required, and the equipment needed suggest the price point on this project is acceptable.

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

- PLC's business location is within a mile of the project which reduces mobilization costs.
- Given PLC's expertise, less oversight will be needed although COMB and CalTrans staff will be on site throughout the project.

Peter Lapidus Construction, Inc.
Lic. #773908
1975 Cravens Lane
Carpinteria, CA 93013
Phone/Fax (805) 745-1447/(805) 745-5957
Cellular (805) 280-2186
Peter@lapidusconstruction.com

Proposal

For: COMB

Date: 10-21-13

Location: Arroyo Paredon Creek & Highway 192

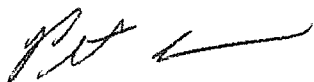
Description:

Provide personnel & equipment to locate water main in creek channel.

Conditions:

- COMB to provide location of pipe per Dig Alert call in by PLC.
- Pipe not to be deeper than 10' below present grade.
- Rock clause, If during excavation large boulders not removable with ordinary equipment are encountered requiring any type of breaking equipment or specialized equipment for removal the cost associated with this work including standby of all equipment & labor will be charged as extra work.
- In the event dewatering is required this will be extra work.
- If survey is required beyond PLC shooting the grade of the pipe in relation to a provided bench mark this is not included.
- No erosion control or revegetation is included.
- It is understood that due to the fact that COMB does not have a firm location of the pipe or it's condition that there is the possibility the pipe could be damaged during this work. Any work to repair the pipe due to damage caused during potholing though unlikely will be extra work.

Cost \$10,000



CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	October 28, 2013
Submitted by:	Tim Robinson
Approved by:	Randall Ward

SUBJECT: Quiota Creek Crossing 1 Fish Passage Improvement Project, Update

SUMMARY:

Project Description: A 60-foot prefabricated bottomless arched culvert with four wing walls and one rock riffle for grade-control are planned to replace the current concrete low flow crossing at Quiota Creek Crossing 1. The project will remove a fish passage barrier and open up unimpeded juvenile and adult fish passage for the endangered southern steelhead to NMFS designated critical habitat upstream. The project will also improve road safety and accessibility for the landowners and the public along Refugio road.

Project Location: The nearest town is Santa Ynez. Quiota Creek Crossing 1 is located off of Hwy 246 via Refugio Road 4 miles south of Hwy 246. The road is closed at the project site.

Contractor: Peter Lapidus Construction (PLC).

Design Engineer: Michael Garelo, HDR Fisheries Design Center.

Resident Engineer: Tom Evans, Goleta Water District in collaboration with COMB.

County Engineers: Dave Luis, Eric Pearson, Bert Johnson, and Jemmi Irabon.

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

Status	Time
Notice to Proceed	9/27/2013
Construction start	10/8/2013
Refugio Road closure	10/8/2013
Contract Time (approximate to complete all work)	2 months
Completion Date	12/1/2013
Number of construction work days (WD*) (expected)	38
Elapsed Time (WD)	15
Remaining Time (WDs to complete all work)	23
Time Elapsed to Date (%)	39%

*Working days as of the COMB Board meeting.

Work Performed to Date: PLC completed all clearing and grubbing, bridge foundation excavation, forming and pouring the bridge foundation, installed the arch-bridge system, construction the one rock

rifle and half of the rock slope protection. ConTech fabricated the arch-bridge system at Bethlehem Construction in Shafter CA, delivered the bridge on-time and facilitated the installation. COMB and County engineers have supervised and approved all phases of the construction. Construction photos (Figures 1-6) are presented below as Exhibits; bridge installation will be in the November Board packet.

Work Projected for Next Month: Complete all streambed construction and get out of the stream as soon as possible. Back fill the arch-bridge and wingwalls, install the road base and road shoulders, install the guardrails and bridge-rails, pave and strip the road, and install all reflectors. Re-vegetate the site which includes hydro-mulching/seeding and planting all mitigated trees (approximately 20).

FINANCIAL IMPACT:

A summary of the revenues, estimated costs and expenses to date are as follows:

	Amount	
Revenues:		
CDFW grant	\$521,141	
WCB grant	\$150,000	
COMB construction match	\$50,000	
COMB operations match	\$48,859	
Total:	\$770,000	
Estimated Costs:		
COMB operations match	\$32,631	
Engineering oversight - Resident Engineer, estimated	\$16,228	
Engineering oversight - bridge fabrication, estimated	\$25,000	
Construction Contractor amount	\$537,235	
Contech prefabricated arch-bridge system	\$179,978	
Total:	\$791,072	
Construction:		
Construction Contract (PLC) + Match (COMB):	\$611,094	
ConTech Contract Amount:	\$179,978	
Approved Change Orders:	\$0	
Adjusted Construction Contract Amount:	\$791,072	
Total Expenditures to Date*:		
	FY14	FY13
ConTech - initial bridge deposit:	\$56,117	
Prober Land Surveying:	\$1,904	
Ken Knight - arborist services:	\$1,250	
County Encroachment Permit initial fee:	\$19,445	\$5,800
RWQCB 401 Permit:	\$203	\$944
CDFW 1600 Permit:	\$4,483	
Total Paid:	\$83,401	\$6,744
Balance to Finish, Plus Retention:	\$707,671	
% Spent of Estimated Costs:	11%	
*As on COMB Board meeting.		

LEGAL CONCURRENCE:

COMB legal counsel has reviewed and approved the project.

ENVIRONMENTAL COMPLIANCE:

All permits have been obtained and are being followed.

COMMITTEE STATUS:

N/A

RECOMMENDATION:

N/A

LIST OF EXHIBITS:

Construction photos:

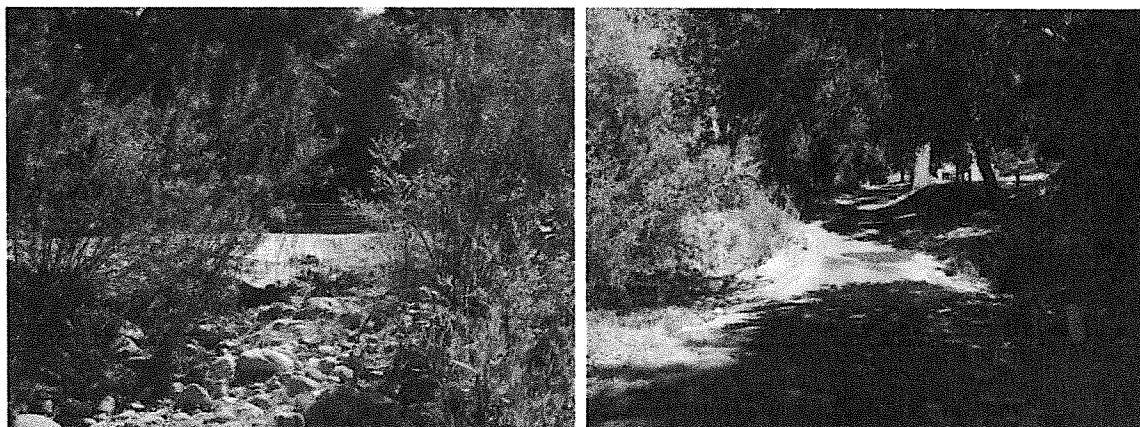


Figure 1: Pre-project condition.

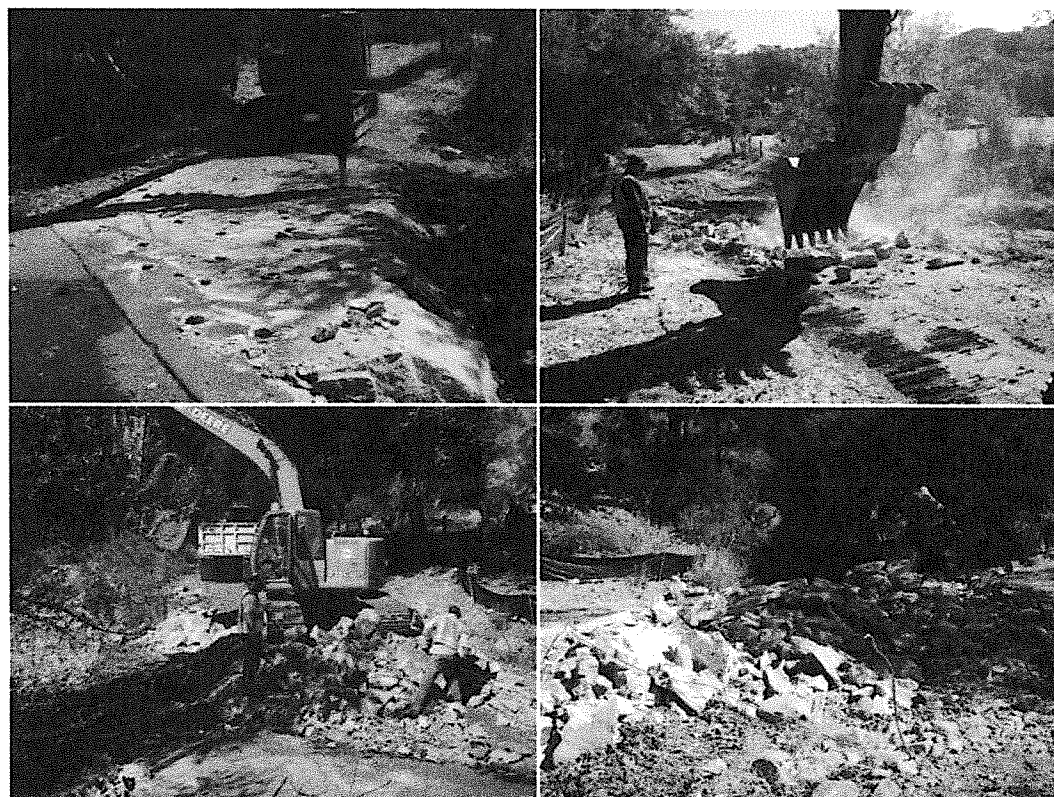


Figure 2: Demolition and removal of the low flow crossing.

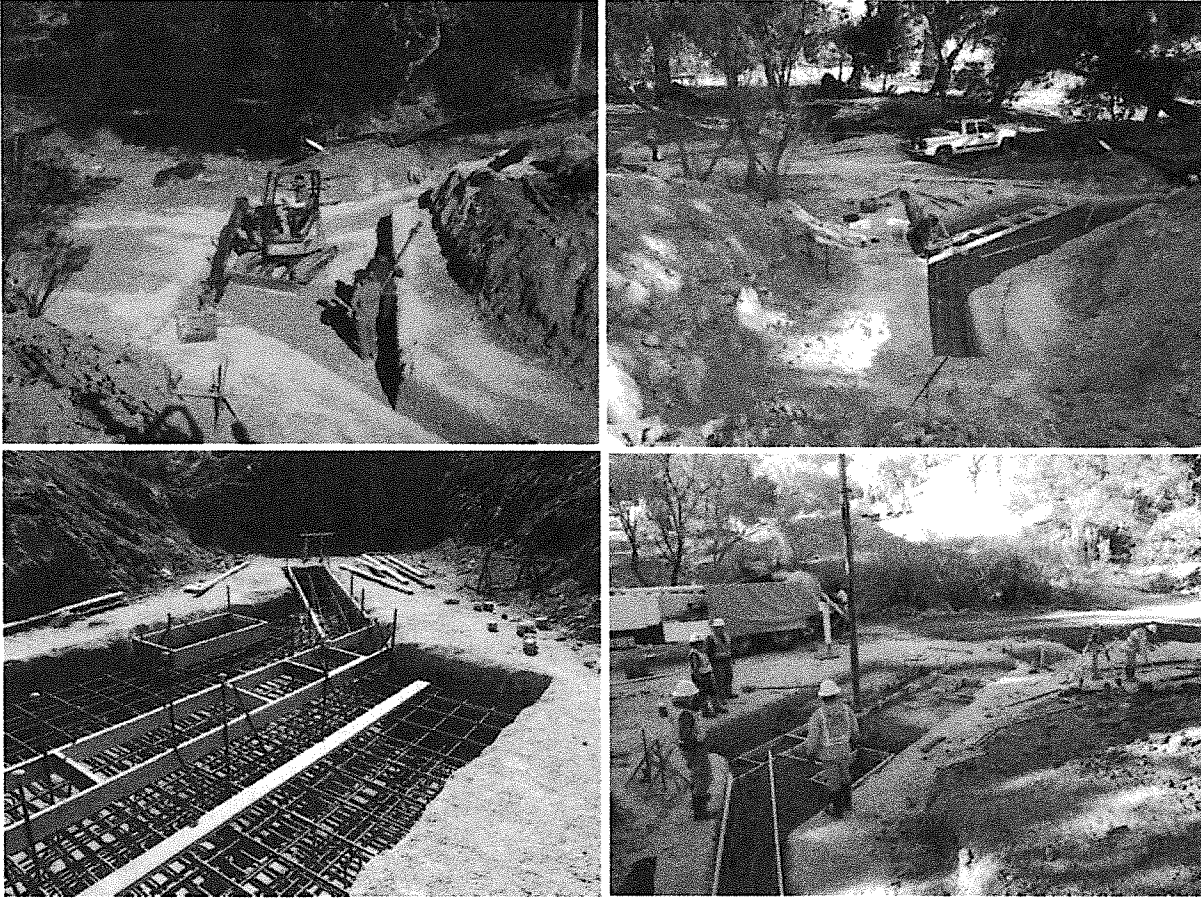


Figure 3: Bridge footing/foundation preparation, rebar placement and pouring.

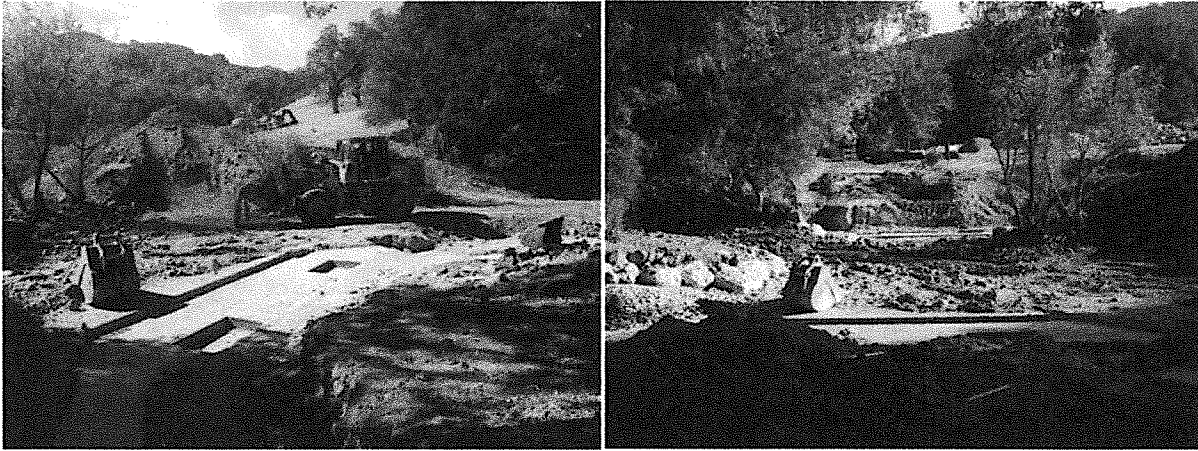


Figure 4: Footing/foundations ready for bridge installation.

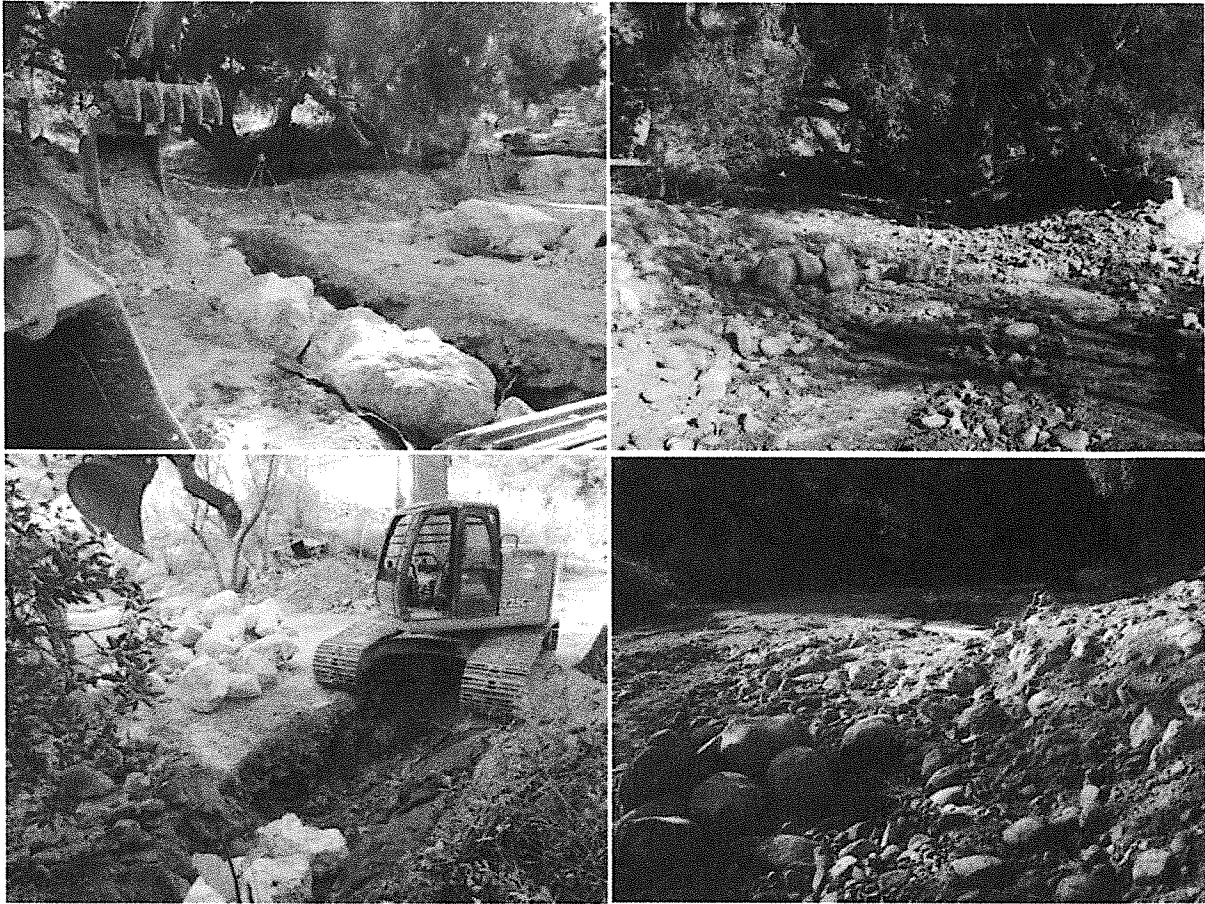


Figure 5: Instream rock riffle and rock slope protection installation.

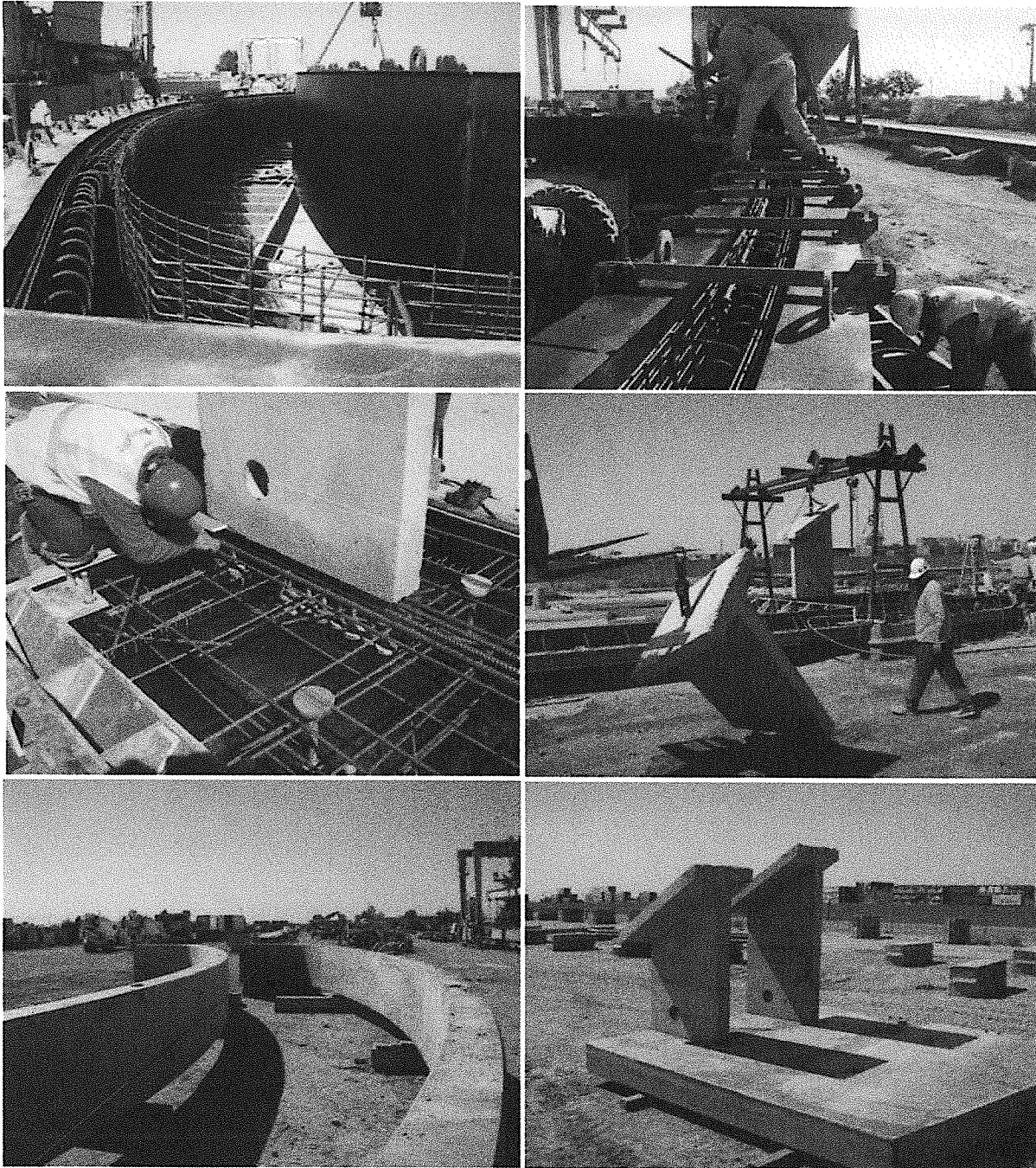


Figure 6: Arch-bridge system prefabrication at Bethlehem Construction in Shafter, CA.

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	October 28, 2013
Submitted by:	Tim Robinson and Scott Volan
Approved by:	Randy Ward

SUBJECT: Lake Cachuma Oak Tree Restoration Program

SUMMARY:

This oak tree memorandum reflects maintenance completed since the beginning of this Fiscal Year (7/1/13); tasks completed in June (2013) were included for reference (Table 1). Labor and expenses for the entire fiscal year (July 2013 - June 2014) as well as water usage will be tracked separately but not reported as recommended by the COMB Board ad hoc Oak Tree Program Committee. COMB staff continues to rely on the Fisheries Division seasonal employees to conduct the majority of oak tree work in the field. Recent activity towards the end of September and into October has included irrigation of Year 3 through Year 6 oak trees, as well as mulching all year classes of oaks depending on site specific needs. Mulch delivered in September will continue to be spread out on trees over the course of the next few months.

Table 1: Cachuma Oak Tree Program completed tasks since 7/1/13; June tasks were included for reference.

Oak Year Class	Completed Tasks				
	Jun 2013	Jul 2013	Aug 2013	Sep 2013	Oct 2013
Year 6 Oaks (2010-2011)	Cage maintenance	Irrigated	Cage maintenance	Cage maintenance	Irrigated
	Irrigated	Hand weeded	Road maintenance	Mulching	
Year 5 Oaks (2009-2010)	Irrigated	Irrigated		Cage maintenance	Irrigated
				Irrigated	Mulching
				Mulching	
Year 4 Oaks (2008-2009)	Irrigated			Cage maintenance	Irrigated*
				Irrigated*	Mulching
				Mulching	
Year 3 Oaks (2007-2008)	Irrigated			Cage maintenance	Irrigated*
				Irrigated*	Mulching
				Mulching	
Year 2 Oaks (2006-2007)	Irrigated	Irrigated*	Irrigated*	Cage maintenance	
			Cage maintenance	Mulching	
			Road maintenance		
Year 1 Oaks (2005-2006)	Irrigated	Irrigated*	Irrigated*	Cage maintenance	
			Cage maintenance	Mulching	
			Road maintenance		

*Valley oaks and trees under 4' in height

FINANCIAL IMPACT:

Tracked but not included.

LEGAL CONCURRENCE:

N/A

ENVIRONMENTAL COMPLIANCE:

N/A

COMMITTEE STATUS:

N/A

RECOMMENDATION:

For Board information only.

LIST OF EXHIBITS:

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: October 28, 2013
TO: Board of Directors
FROM: Randall Ward, General Manager
RE: OPERATIONS REPORT

Engineering

Air Valve Replacement

Some of the air valves structures in the Montecito Reach that are susceptible to rainwater intrusion are being rehabilitated and relocated above ground to comply with Title 22, California Code of Regulations, §64776. The project consists of: design & drawings, AVAR and blow-off Implementation plan, bid documents, and required permits (USBR and National Pollution Discharge Elimination System-NPDES). The replacement of these valves, a Category 1 USBR Recommendation, is included in the 2013-14 capital improvement plan. COMB retained an engineer to assist in engineering design and bid package development.

Four air valves, and five blow-offs in the Montecito Reach have been designed and drawings are ready to submit to the USBR for their approval. Bid documents will be ready this month. COMB staff has been working on AVAR/blow-off implementation plans including: pre-shutdown, dewatering the SCC, de-chlorination, removal and replacement of AVAR/ blow-off valves and refilling the SCC. COMB staff is working on documents in order to get an NPDES permit this month. This project will require a coordinated effort involving the impacted Member Units. Karl Meier of Montecito Water District has been assisting in design review.

Operations

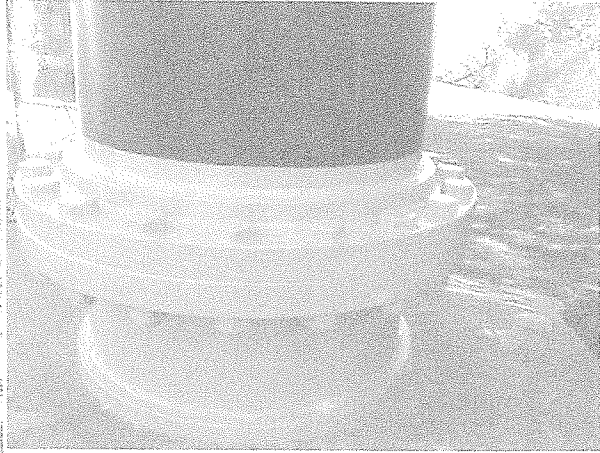
To ensure reliability, the Operation and Maintenance staff performs routine maintenance on COMB's Distribution and Storage System. Staff continually works to improve the system as well as making sure any deficiencies are addressed.

Lake Cachuma Operations

The total flow from Lake Cachuma into the Tecolote Tunnel for August was 3,461.4 acre-feet for an average daily flow of 115.38 acre-feet. The lake elevation was 713.73 feet at the beginning of the month and 710.13 feet at the end. The storage change decreased 6,789 acre-feet. CCWA 922.1 acre-feet water was wheeled through to Cachuma Project facilities.

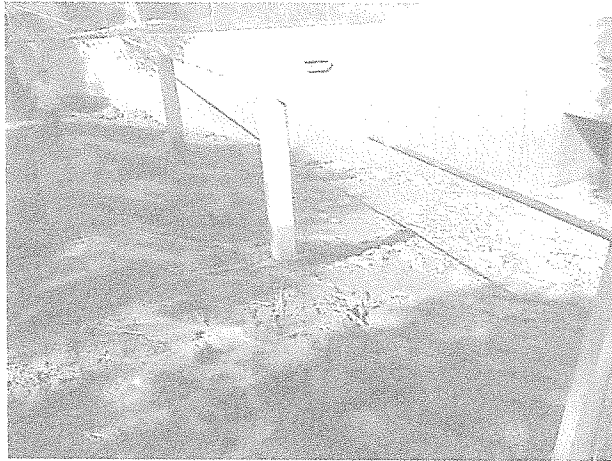
Operation and Maintenance Activities

Operations staff cleaned and repainted an open air vent and its welded joints after removing all surface corrosion at the Ortega Control Station. A certified welder inspected the weld and confirmed that there were no deep cracks or corrosion found on the welded joints (USBR recommendation No. 2013-2-P).



Ortega valve pits cleaned and repainted





Operations staff cleaned out tumbleweeds and other debris from the upstream side of the spillway stilling basin to prevent clogging of the entrance (USBR Recommendation No. 2013-3-E). Staff cleared and cleaned the thick vegetation downstream of the spillway stilling basin (USBR Recommendation No. 2013-3-C).



COMB Staff continues to perform these duties as outlined:

- Weekly Safety Meeting
- Rodent Bait
- Weed Abatements (All sites)
- Toe Drain and Piezometer reads at Ortega (L23)
- Dam inspection and reports (All Reservoirs)
- Cachuma Lake water sampling quarterly
- Watering Oak trees behind Lauro Reservoir.
- Servicing ground equipment
- Structure maintenance
- Pesticide reporting to County of Santa Barbara

COMB Crew performed other activities such as:

- Ball valve semi-annual exercise at Glen Anne Dam
- Removal and upgrade of the under drain system at Ortega Control Station.
- Repaired Drain way at Carpentaria Reservoir.
- Lubricated the Jet flow valve at the North Portal.

CACHUMA OPERATION AND MAINTENANCE BOARD
BOARD MEMORANDUM

DATE: October 28, 2013
TO: Randy Ward, 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. All thermographs have been deployed in the LSYR mainstem and its tributaries for the dry season. Thermographs are downloaded monthly and the results are summarized in the Annual Monitoring Report.

Lake Profiles:

Lake Cachuma water quality measurements (temperature, dissolved oxygen concentration and total dissolved solids) at one meter intervals from the surface to the bottom of the lake (Lake Profile) are taken once a month from April through December at the Hilton Creek Watering System (HCWS) intake barge. This is considered to be at or near the deepest point in the lake and allows for monitoring of lake stratification, water quality conditions at the intake level for the HCWS and lake-turnoff.

Snorkel Surveys:

Snorkel surveys are conducted at the end of the spring, summer and fall each year. The spring survey was completed in June 2013 and the summer survey was completed in September 2013. The full results will be presented in the Annual Monitoring Report. The fall survey will be conducted in October and November of this year. Snorkel surveys are being conducted in association with the required monitoring for WR 89-18 releases.

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.

Tributary Project Updates

Quiota Creek Crossing 1: Project construction began on 10/8/13. The contractor completed the foundations for the bridge on schedule and the prefabricated ConTech bridge system was installed on 10/24/13. See the specific Board memo for details.

Quiota Creek Crossing 0: No further progress has been made.

Quiota Creek Crossing 8: No further progress has been made.

Rancho Salsipuedes Cattle Exclusionary Fencing and Off-Channel Watering: No further progress has been made.

Salsipuedes Creek – Jalama Road Fish Ladder: No further progress has been made.

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. A WR 89-18 release began on 7/15/13 at 8:15 AM; during these releases, no Fish Rearing releases are debited as WR 89-18 releases exceed required target flows. 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 (AMC). A second AMA release was called for by the AMC and began in June of 2013 that ran until the beginning of the WR 89-18 releases; the release amounts will be reflected in next month's Fisheries Report once Reclamation determines the amount of AMA water used.

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		8,121	
Total:	8,942	13,398	3,665
* Originally was 9,200 and as of 2008 it is 8,942.			
** Values as of 9/30/13.			
*** 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: The 2011 Annual Monitoring Report (AMR) has been submitted to Reclamation. Staff continues to work on the 2012 Annual Monitoring Report that will be sent to the Science Review Team upon receiving comments from Reclamation on the 2011 AMR.

Outreach and Training: Staff continues to work with Quiota Creek watershed landowners, interested parties within the Santa Ynez Valley and the County on a variety of fisheries related issues. Staff gave a lecture on 10/9/13 at California State University Channel Island on Land Use Planning and Fisheries Management.

Consultant Activity Summary:

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

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

CardnoENTRIX (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 SEPTEMBER 2013 AND THE WATER YEAR TO DATE

(All in rounded Acre Feet)

	MONTH					YTD
	TOTAL					TOTAL
WATER PRODUCTION:						
Cachuma Lake (Tec. Diversion)				3,461		31,039
Tecolote Tunnel Infiltration				227		1,762
Glen Anne Reservoir				0		0
Cachuma Lake (County Park)				9		76
State Water Diversion Credit				922		1,972
Bishop Ranch Diversion				0		100
Meter Reads				2,753		29,666
So. Coast Storage gain/(loss)				(3)		10
Total Production				3,697		32,876
Total Deliveries				3,673		31,747
Unaccounted-for				24		1,129
% Unaccounted-for				0.66%		3.43%
	GWD	SB CITY	MWD	CVWD	SYRWCD	TOTAL
					I.D. #1	
WATER USE:						
M&I	600	1,353	62	218	9	2,241
Agricultural	293		8	210		511
TOTAL FOR MONTH	892	1,353	70	428	9	2,752
Same Mo/prev. yr	1,193	1,297	461	355	13	3,319
M&I Yr to date	8,033	11,232	3,410	1,976	75	24,725
Ag. Yr to date	2,705	0	495	1,912	0	5,112
TOTAL YTD	10,737	11,232	3,905	3,888	75	29,837
USAGE % YTD	98.0%	80.9%	83.3%	95.6%	13.6%	87.4%
Previous Year/YTD	11,991	9,541	3,610	3,447	80	28,669
Evaporation	0	0	0	0	0	0
Evaporation, YTD	6	123	12	12	0	153
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^	759	41	969	335	(2,104)	0
Transfers/Adjustment #	0	0	(18)	0	0	(18)
Passthrough H2O**	0	0	0	0	0	0
TOTAL AVAILABLE	10,960	14,033	4,701	4,079	550	34,323
REMAINING BALANCE	216	2,678	784	179	475	4,333

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

State Water Deliveries for September to Lake Cachuma were: MWD 525 AF; CVWD 50 AF

GWD 297 AF (Morehart 0 AF); City of S.B. 0 AF; and LaCumbre 50 AF; (Ratheon 0 AF).

^ Per SWP Exchange Agrmt GWD received 169 AF; MWD received 225 AF;

City of SB received 0 AF; and CVWD received 75 AF from ID#1 in September 2013.

Adj to meter reads - MWD Valley Club - WY2013

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. 9/30/13

Month	Approved Schedule Current Year		Carryover Previous Year	TOTAL WATER USED				WATER USED CHARGED TO CARRYOVER BALANCES				WATER USED CHARGED TO CURRENT ENTITLEMENT					
	Current Year	Schedule		M & I	Acre-feet Agr	Total	Evap	Div	Acre-feet	Total	M & I	Allocation	Agr	Total	M & I	Acre-feet Agr	Total
Oct	2813	931	144	172	316	7	316	323	147	176	0	0	0	0	0	0	0
Nov			116	115	231	2	231	233	117	116	0	0	0	0	0	0	0
Dec			29	13	42	1	42	43	29	13	0	0	0	0	0	0	0
Jan			75	54	129	1	129	130	75	54	0	0	0	0	0	0	0
Feb			125	87	212	1	202	203	119	83	0	0	0	0	6	4	10
Mar			125	125	250	0	0	0	0	0	0	0	0	0	125	125	250
Apr			210	240	450	0	0	0	0	0	0	0	0	0	210	240	450
May			238	248	486	0	0	0	0	0	0	0	0	0	238	248	486
Jun			160	158	318	0	0	0	0	0	0	0	0	0	160	158	319
Jul			275	277	552	0	0	0	0	0	0	0	0	0	275	277	552
Aug			261	213	474	0	0	0	0	0	0	0	0	0	261	213	474
Sep			218	210	428	0	0	0	0	0	0	0	0	0	218	210	428
Total	2813	931	1,976	1,912	3,888	11	920	931	487	442	1,493	1,475	2,959				

Month	STORAGE WATER		CONVERSIONS		CURRENT SCHEDULE		WATER USED CHARGED TO CARRYOVER BALANCES		WATER USED CHARGED TO CURRENT ENTITLEMENT	
	M & I	Agr	M & I	Agr	M & I	Agr	M & I	Agr	M & I	Agr
Oct	147	-147	0	0	0	0	147	176	0	0
Nov	117	-117	0	0	0	0	117	116	0	0
Dec	29	-29	0	0	0	0	29	13	0	0
Jan	75	-75	0	0	0	0	75	54	0	0
Feb	119	-119	0	0	0	0	119	83	0	0
Mar	0	0	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0	0	0
Aug	0	0	127.81	(128)	0	0	0	0	0	0
Sep	0	0	177	(177)	0	0	0	0	0	0
Total	1,976	1,912	3,888	3,888	11	920	931	442	1,493	1,475

Month	SCHEDULE AND REVISIONS		SCHEDULE AND REVISIONS		SCHEDULE AND REVISIONS	
	Total	M&I	Total	M&I	Total	M&I
Begin Bal	931	931	931	931	931	931
ID#1 Ex+27					15	15
ID#1 Ex+14					7	7
ID#1 Ex+23					11	11
ID#1 Ex+22					11	11
ID#1 Ex+34					17	17
ID#1 Ex+65					32	32
ID#1 Ex+75					41	41
ID#1 Ex+75					41	41
Total	931	931	931	931	1,900	1,900

Month	REMAINING BALANCES		REMAINING BALANCES		REMAINING BALANCES	
	Total	M&I	Total	M&I	Total	M&I
Oct	608	0	608	0	1028	1812
Nov	375	0	375	0	1028	1812
Dec	332	0	333	0	1028	1812
Jan	203	0	204	0	1028	1812
Feb	0	0	0	0	1022	1808
Mar	0	0	0	0	904	1690
Apr	0	0	0	0	705	1450
May	0	0	0	0	478	1213
Jun	0	0	0	0	335	1072
Jul	0	0	0	0	92	828
Aug	0	0	0	0	0	521
Sep	0	0	0	0	0	168
Total	179	0	179	0	179	179

SUMMARY OF WATER USED
CACHUMA 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. 9/30/13

Month	Approved Schedule		Evap	WATER USED CHARGED TO CARRYOVER BALANCES		WATER USED CHARGED TO CURRENT ENTITLEMENT				
	Current Year	Previous Year		Acre-feet	Allocation		M & I	Agr		
					M & I	Agr				
Oct	9322	879	6	873	879	632	247	275	107	382
Nov			0	0	0	0	0	715	256	971
Dec			0	0	0	0	0	503	55	558
Jan			0	0	0	0	0	621	35	656
Feb			0	0	0	0	0	576	64	640
Mar			0	0	0	0	0	622	152	774
Apr			0	0	0	0	0	724	197	921
May			0	0	0	0	0	735	364	1,099
Jun			0	0	0	0	0	814	260	1,074
Jul			0	0	0	0	0	843	472	1,315
Aug			0	0	0	0	0	378	204	582
Sep			0	0	0	0	0	600	293	893
Total	9322	879	6	873	879	632	247	7,406	2,459	9,865

Month	STORAGE WATER		CONVERSIONS		CURRENT SCHEDULE		SCHEDULES AND REVISIONS	
	M & I	Agr	M & I	Agr	M & I	Agr	M & I	Agr
Oct	4	-4	0	0	628	251	6,862	2,460
Nov	0	0	0	0			44	18
Dec	0	0	0	0				
Jan	0	0	0	0				
Feb	0	0	0	0				
Mar	0	0	0	0			26	6
Apr	0	0	0	0			42	11
May	0	0	0	0			32	16
Jun	0	0	0	0			60	18
Jul	0	0	0	0			95	53
Aug	0	0	0	0			110	59
Sep	0	0	0	0			110	59
Total	4	-4	0	0	628	251	6,862	2,460

Month	REMAINING BALANCES		SCHEDULES AND REVISIONS	
	M & I	Agr	M & I	Agr
Oct	0	0	6631	2371
Nov	0	0	5916	2115
Dec	0	0	5413	2060
Jan	0	0	4792	2025
Feb	0	0	4216	1961
Mar	0	0	3620	1815
Apr	0	0	2937	1630
May	0	0	2234	1282
Jun	0	0	1480	1040
Jul	0	0	732	621
Aug	0	0	484	476
Sep	0	0	0	216
Total	0	0	6631	2371

TOTAL 216

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

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

Contract Entity: Montecito Water District
 Last updated by C.O.M.B. 9/30/13

Approved Schedule Current Year: 2651
 Carryover Previous Year: 1099

Month	TOTAL WATER USED		WATER USED CHARGED TO CARRYOVER BALANCES				WATER USED CHARGED TO CURRENT ENTITLEMENT		
	M & I	Agr	Evap	Div	Total	M & I	Agr	M & I	Agr
Oct	394	72	8	465	473	400	73	0	0
Nov	251	37	2	288	291	253	37	0	0
Dec	77	7	1	84	85	78	7	0	0
Jan	160	13	1	173	173	160	13	0	0
Feb	234	20	0	77	78	71	6	163	14
Mar	316	32	0	0	0	0	0	316	32
Apr	418	47	0	0	0	0	0	418	47
May	335	58	0	0	0	0	0	335	58
Jun	335	63	0	0	0	0	0	335	63
Jul	469	70	0	0	0	0	0	469	70
Aug	359	72	0	0	0	0	0	359	72
Sep	62	8	0	0	0	0	0	62	8
Total	3,410	498	12	1,087	1,099	962	136	2,457	364

CONVERSIONS

STORAGE WATER	MONTH	CONVERSIONS
M & I	Month	M & I
-73	Oct	0
-37	Nov	0
-7	Dec	0
-13	Jan	0
-6	Feb	0
0	Mar	0
0	Apr	0
0	May	0
0	Jun	0
0	Jul	0
0	Aug	0
0	Sep	0

SCHEDULE AND REVISIONS

ID#	SCHEDULE AND REVISIONS		Total
	M & I	Agr	
Begin Bal	0	0	0
ID#1 Ex+41	1,099	0	1,099
ID#1 Ex+43	0	41	41
ID#1 Ex+70 / -17.16 Valley Club meter read adj	0	0	0
ID#1 Ex+64	0	39	39
ID#1 Ex+103	0	62	62
ID#1 Ex+197	0	55	55
ID#1 Ex+226	0	88	88
ID#1 Ex+225	0	26	26
	0	41	41
	0	171	171
	0	185	185
	0	41	41
	0	184	184
Total	1,099	2,386	2,651

REMAINING BALANCES

Month	REMAINING BALANCES		Total
	M & I	Agr	
Oct	626	0	626
Nov	335	0	335
Dec	251	0	251
Jan	78	0	78
Feb	0	0	0
Mar	0	0	0
Apr	0	0	0
May	0	0	0
Jun	0	0	0
Jul	0	0	0
Aug	0	0	0
Sep	0	0	0
Total	626	0	626

TOTAL 782

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

Contract Entity: Santa Ynez River Water Conservation District, ID#1
 Last updated by C.O.M.B. 9/30/13

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

Month	Approved Schedule	Current Year	Previous Year	TOTAL WATER USED			WATER USE CHARGED TO CARRYOVER BALANCES			WATER USE CHARGED TO CURRENT ENTITLEMENT				
				M & I	Agr	Total	Evap	Div	Total	M & I	Agr	Total		
Oct	2551	3		4	0	4	0	3	3	0	3	1	0	1
Nov				4	0	4	0	0	0	0	0	4	0	4
Dec				6	0	6	0	0	0	0	0	6	0	6
Jan				3	0	3	0	0	0	0	0	3	0	3
Feb				3	0	3	0	0	0	0	0	3	0	3
Mar				3	0	3	0	0	0	0	0	3	0	3
Apr				4	0	4	0	0	0	0	0	4	0	4
May				9	0	9	0	0	0	0	0	9	0	9
Jun				10	0	10	0	0	0	0	0	10	0	10
Jul				10	0	10	0	0	0	0	0	10	0	10
Aug				10	0	10	0	0	0	0	0	10	0	10
Sep				9	0	9	0	0	0	0	0	9	0	9
Total		2551	3	76	0	76	0	3	3	0	3	72	0	72

Month	STORAGE WATER		CONVERSIONS		CURRENT SCHEDULE		SCHEDULE AND REVISIONS	
	M & I	Agr	M & I	Agr	M & I	Agr	M & I	Agr
Oct	3	-3	0	0	0	0	0	0
Nov	0	0	0	0	0	0	0	0
Dec	0	0	0	0	0	0	0	0
Jan	0	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0
Total	3	-3	0	0	3	0	3	0

Month	COUNTY PARKS		REMAINING BALANCES	
	A.F. Used	Total	M & I	Agr
Oct	4.37	0	0	0
Nov	3.90	0	0	0
Dec	5.63	0	0	0
Jan	2.98	0	0	0
Feb	2.75	0	0	0
Mar	2.88	0	0	0
Apr	4.43	0	0	0
May	9.16	0	0	0
Jun	10.3	0	0	0
Jul	10.25	0	0	0
Aug	10.39	0	0	0
Sep	8.64	0	0	0
Total			722	1757

Month	STORAGE WATER		CONVERSIONS		CURRENT SCHEDULE		SCHEDULE AND REVISIONS	
	M & I	Agr	M & I	Agr	M & I	Agr	M & I	Agr
Oct	3	-3	0	0	0	0	0	0
Nov	0	0	0	0	0	0	0	0
Dec	0	0	0	0	0	0	0	0
Jan	0	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0
Total	3	-3	0	0	3	0	3	0

*NOTE: COUNTY PARKS A.F. Used

SUMMARY OF WATER USED

CACHUMA PROJECT - CONTRACT #175R-1802

Contract Entity:

Santa Barbara Co. Water Agency
Last updated by C.O.M.B. 9/30/13

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

Month	Approved Schedule Current Year	Carryover Previous Year	TOTAL WATER USED			WATER USED CHARGED TO CARRYOVER BALANCES			WATER USED CHARGED TO CURRENT ENTITLEMENT					
			Use %	Acre-feet		Evap	Acre-feet		M & I	Acre-feet				
				M & I	Agri		Total	Div		Total	M & I	Agri	Total	
Oct	25714	8627	9.01%	2,436	586	3,032	63	2,648	2,711	2,215	496	276	107	383
Nov			5.81%	1,565	408	1,973	22	998	1,020	866	153	719	256	975
Dec			3.18%	1,007	75	1,082	9	518	527	507	20	509	55	564
Jan			4.94%	1,584	102	1,686	10	1,027	1,037	969	67	624	35	659
Feb			5.82%	1,814	171	1,985	13	1,155	1,168	1,078	89	748	82	830
Mar			6.24%	1,819	309	2,128	14	753	767	767	0	1,066	309	1,375
Apr			7.67%	2,133	484	2,617	14	777	791	791	0	1,356	484	1,840
May			8.45%	2,222	670	2,892	8	598	606	606	0	1,624	670	2,294
Jun			8.84%	2,555	481	3,036	0	0	0	0	0	2,555	481	3,037
Jul			11.20%	3,029	819	3,848	0	0	0	0	0	3,029	819	3,848
Aug			8.18%	2,321	489	2,810	0	0	0	0	0	2,321	489	2,810
Sep			8.01%	2,241	511	2,752	0	0	0	0	0	2,242	511	2,753
Total	25714	8627	87.95%	24,727	5,114	29,841	153	8,474	8,627	7,799	825	17,059	4,298	21,358

CONVERSIONS

Month	STORAGE WATER		CURRENT SCHEDULE		SCHEDULE AND REVISIONS	
	M & I	Agri	M & I	Agri	M & I	Agri
Oct	81	-81	0	0	19,401	6,313
Nov	80	-80	0	0	1	(1)
Dec	22	-22	0	0	0	0
Jan	62	-62	0	0	0	0
Feb	113	-113	0	0	0	0
Mar	0	0	0	0	0	0
Apr	0	0	0	0	30	(30)
May	0	0	0	0	21	(38)
Jun	0	0	0	0	33	(33)
Jul	0	0	0	0	101	(101)
Aug	0	0	127.81	-127.81	45	(45)
Sep	0	0	202.89	-202.89	79	(79)
Total	0	0	0	0	43	(43)

COUNTY PARKS

Month	A.F. Used		REMAINING BALANCES	
	Total	M & I	Total	M & I
Oct	4.37	5916	5308	19126
Nov	3.90	4896	4522	18407
Dec	5.93	4369	4037	17898
Jan	2.98	3332	3130	17274
Feb	2.75	2165	2165	16526
Mar	2.88	1398	1398	15490
Apr	4.43	606	607	14154
May	9.16	0	1	12563
Jun	10.30	0	1	10109
Jul	10.25	0	1	7125
Aug	10.39	0	1	5010
Sep	8.64	0	1	3014
Total				4,329

CACHUMA OPERATION AND MAINTENANCE BOARD
WATER STORAGE REPORT

MONTH: September 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	347.00 Feet
Water in Storage	87.85 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	547.80 Feet
Water in Storage	566.18 Acre Feet

ORTEGA RESERVOIR

Capacity at 460' elevation:	65 Acre Feet
Capacity at outlet at elevation 440':	0 Acre Feet
Stage of Reservoir Elevation	448.30 Feet
Water in Storage	23.68 Acre Feet

CARPINTERIA RESERVOIR

Capacity at 384' elevation:	45 Acre Feet
Capacity at outlet elevation 362':	0 Acre Feet
Stage of Reservoir Elevation	377.10 Feet
Water in Storage	28.18 Acre Feet

TOTAL STORAGE IN RESERVOIRS

Change in Storage	618.03 Acre Feet
	-2.60 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	710.13 Feet
Water in Storage	91,922 AF
Area	1,840
Evaporation	854.8 AF
Inflow	199 AF
Downstream Release WR8918	3149.4 AF
Fish Release	444.9 AF
Outlet	0.0 AF
Spill/Seismic Release	0 AF
State Project Water	922.1 AF
Change in Storage	-6,790 AF
Tecolote Diversion	3,461.4 AF

Rainfall: Month: 0.00 Season: 0.02 Percent of Normal: 9%

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

MONTH	DELVRD TO LAKE	Delvd CVWD		Transf to MW	Delvd MWD		Evap/Spill	Delvd S.B.		Delvd GWD		Delvd LCMWC		Delvd RSYS		Delvd MLC		
		to Lake	Stored		to Lake	Stored		to Lake	Stored	to Lake	Stored	to Lake	Stored	to Lake	Stored	to Lake	Stored	to Lake
2012																		
Bal. Fwrd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	383	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

MONTH	DELVRD TO LAKE	Delvd CVWD		Transf to MW	Delvd MWD		Evap/Spill	Delvd S.B.		Delvd GWD		Delvd LCMWC		Delvd RSYS		Delvd MLC		
		to Lake	Stored		to Lake	Stored		to Lake	Stored	to Lake	Stored	to Lake	Stored	to Lake	Stored	to Lake	Stored	
2013																		
Bal. Fwrd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	216	0	0	0	136	0	0	0	0	0	0	0	0	0	0	0	0	0
June	217	0	0	0	57	0	0	0	0	0	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	641	0	0	0	81	0	0	0	0	0	0	0	0	0	0	0	0	0
September	922	0	0	0	525	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2051	50	0	50	799	0	0	799	0	0	0	0	0	0	0	0	0	0

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

OCTOBER 2013

LAKE CACHUMA DAILY OPERATIONS

RUN DATE: October 23, 2013

DAY	ELEV	STORAGE		COMPUTED* INFLOW AF.	CCWA INFLOW AF.	PRECIP ON RES. SURF. AF.	RELEASE - AF.				EVAP AF.	PRECIP INCH INCHES	
		IN LAKE	CHANGE				TUNNEL	HILTON CREEK	OUTLET	SPILLWAY			
	710.13	91,922											
1	710.00	91,681	-241	-7.1	29.9	.0	114.5	14.5	108.9	.0	25.9	.226	.00
2	709.88	91,462	-219	27.1	29.8	.0	125.3	14.4	113.8	.0	22.4	.195	.00
3	709.75	91,224	-238	0.8	29.8	.0	120.7	14.4	114.8	.0	18.7	.163	.00
4	709.63	91,005	-219	17.5	29.8	.0	118.9	14.5	105.8	.0	27.1	.237	.00
5	709.50	90,768	-237	5.5	29.8	.0	128.3	14.4	103.8	.0	25.8	.226	.00
6	709.37	90,530	-238	6.5	29.8	.0	129.6	14.3	103.8	.0	26.6	.233	.00
7	709.24	90,292	-238	-5.5	29.6	.0	116.2	14.3	103.6	.0	28.0	.246	.00
8	709.12	90,073	-219	-5.6	29.7	.0	105.3	14.2	102.8	.0	20.8	.183	.00
9	709.01	89,872	-201	18.9	29.8	.0	115.1	14.2	103.8	.0	16.6	.146	.00
10	708.92	89,709	-163	1.7	29.5	7.6	83.8	14.2	93.5	.0	10.3	.091	.05
11	708.81	89,511	-198	-9.0	36.7	.0	104.9	14.1	89.7	.0	17.0	.150	.00
12	708.70	89,312	-199	1.3	40.1	.0	122.2	14.2	89.1	.0	14.9	.132	.00
13	708.59	89,113	-199	-7.6	40.2	.0	117.9	14.1	83.2	.0	16.4	.145	.00
14	708.50	88,951	-162	24.2	32.0	.0	105.3	14.1	82.0	.0	16.8	.149	.00
15	708.40	88,770	-181	18.3	29.7	.0	114.6	14.0	82.6	.0	17.8	.158	.00
16	708.29	88,571	-199	-13.4	29.6	.0	105.6	14.1	71.7	.0	23.8	.211	.00
17	708.19	88,390	-181	21.0	29.6	.0	121.0	14.0	71.6	.0	25.0	.222	.00
18	708.07	88,173	-217	-20.0	29.5	.0	119.1	14.0	71.5	.0	21.9	.195	.00
19	707.97	87,994	-179	26.3	29.7	.0	121.3	14.0	76.7	.0	23.0	.205	.00
20	707.85	87,780	-214	-24.1	29.7	.0	100.1	14.0	83.6	.0	21.9	.195	.00
21	707.76	87,620	-160	5.2	29.6	.0	84.3	14.0	81.6	.0	14.9	.133	.00
22	707.65	87,424	-196	19.5	29.6	.0	123.4	14.0	93.6	.0	14.1	.126	.00
23	707.54	87,228	-196	5.0	29.7	.0	112.7	14.0	91.6	.0	12.4	.111	.00
TOTAL (AF)			-4,694	106.5	713.2	7.6	2,610.1	326.0	2,123.1	.0	462.1	4.078	.05
(AVG)		89,368											

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
Parks Division, Cachuma Lake Recreation Area**

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

CACHUMA LAKE BOAT LAUNCH DATA:

Cachuma Lake Recreation Area Boat Launch Data -- September 2013		
Inspection Data		
Total Vessels entering Park	269	
Total Vessels launched	268	
Total Vessels Quarantined	1	0%
Returning with Boat Launch Tag	155	58%
Arriving new: Inspected, washed	58	22%
Kayak/Canoe: Inspected	55	21%
4-stroke engines	66	25%
2-strokes, w/CARB star ratings	78	29%
2-strokes, NO emissions ratings	69	26%

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 September 30, 2013.

Quarantine Data		
Total Vessels Quarantined	1	
Quarantined 7 days	0	
Quarantined 14 days	1	

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

Demographic Data		
Quarantined from infected county	0	
Quarantined from SB County	0	

CACHUMA LAKE QUAGGA SURVEY:

Summary: No Dreissenid mussels were detected
 Inspection site: Cachuma Lake Marina, Santa Barbara County, California
 Inspection Date and Time : 2013.09.24; 1200– 1600 PDT
 Method: 13 PVC/Cement Sampling Stations; 265 linear feet of line
 Surveyors: Liz Gaspar (Parks Division, CSD), Natalie Ninh, Kellin Fitzpatrick, Keith Yaeger (Sea Grant).
 Lake Elevation: 710.98 from maximum of 753 feet