

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

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

Monday, December 9, 2013

2:00 P.M.

AGENDA

Note: This is a special meeting of the Governing Board called in accordance with Government Code Section 54956. Other than the listed agenda items, no other business will be conducted by the Governing Board.

1. **CALL TO ORDER, ROLL CALL**
2. **PUBLIC** (In accordance with Government Code Section 54954.3, every notice for a special meeting shall provide an opportunity for members of the public to directly address the legislative body concerning any item that has been described in the notice for the meeting before or during consideration of that item.)
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 October 28, 2013 Regular Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Payment of Claims
4. **RESOLUTION NO. 571 RELATING TO COMMITTEES OF THE BOARD**
Action: Recommend approval by motion and roll call vote of the Board
5. **VERBAL REPORTS FROM BOARD COMMITTEES**
Receive verbal information regarding the following committee meetings:
 - a. Administrative Committee Meeting, November 26, 2013
 - b. Ad Hoc Drought Contingency Planning Committee Meeting, December 3, 2013

6. **GENERAL MANAGERS REPORT**

Receive information from the General Manager on topics pertaining to COMB, including but not limited to, the following:

- USBR Site Inspection
- AVAR Bid Package
- Drought Contingency Planning
- Encroachment

7. **DROUGHT CONTINGENCY PLANNING**

Receive information regarding Drought Contingency Planning including but not limited to the following:

- a. Contingency Planning Project
- b. Lake Level Forecast
- c. DWR Long Term Forecast
- d. Architecture and Engineering Planning Activities
- e. Drought Questions
- f. Cachuma North Portal Hydrotopo
- g. Drought Contingency Plan Budget Information

Action: Recommend approval by motion and vote of the Board

1. Professional Temporary Personnel
2. Drought Contingency Reserve Fund

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. **ENGINEERING - OPERATIONS DIVISION REPORT**

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

- Engineering
- 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]:**
 - a. **CONFERENCE WITH LEGAL COUNSEL: EXISTING LITIGATION**
Government Code Section 54956.9(d) (1): one case
Name of Case: Andrew Brown and Jessica Brown v. Cachuma Operation & Maintenance Board, Santa Barbara Superior Court Case No. 1438821

 - b. **CONFERENCE WITH LEGAL COUNSEL: ANTICIPATED LITIGATION**
Significant exposure to litigation pursuant to Government Code Section 54956.9(d) (2): one case

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**
 - **January 27, 2014 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.

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**MINUTES OF A REGULAR MEETING
of the
CACHUMA OPERATION & MAINTENANCE BOARD
held at
3301 Laurel Canyon Road, Santa Barbara, CA
Monday, October 28, 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 (arrived 2:15 p.m.)	City of Santa Barbara

Others present:

Randall Ward	Tony Trembley
Janet Gingras	Tim Robinson
Matt Naftaly	Tom Fayram
Ruth Snodgrass	Charles Hamilton
Kelley Dyer	Phil Walker
Larry Farwell	Sarah Horwath
Kevin Walsh	

2. Public Comment

Phil Walker commented on California's climate, weather patterns and climatic cycles.

3. Consent Agenda

- a. **Minutes:**
September 23, 2013 Regular Board Meeting
- b. **Investment Funds**
Financial Report
Investment Report
- c. **Payment of Claims**

Director Beebe moved to approve the consent agenda as presented, seconded by Director Orozco, passed 5/0/2, Director Francisco was absent.

4. Verbal Reports from Board Committees

a. Operations Committee Meeting, September 25, 2013

Director Morgan reported that the topics discussed at the Operations Committee meeting included the encroachment permit process and the drought contingency planning.

5. General Managers Report

Randall Ward, General Manager highlighted his report that was included in the board packet. Mr. Ward highlighted the USBR site inspections, the encroachment permit process, the AVAR bid package and the drought contingency planning effort.

6. Contingency Drought Planning

Randall Ward, General Manager included in the board packet a summary of the drought contingency planning efforts undertaken by the County of Santa Barbara, (County) participating Member Units (MU) and COMB staff. Mr. Ward outlined the initial planning tasks and responsibilities for the County, COMB and the Member Units. Immediate planning activities are necessary to prepare for the potential impact of a third year's drought on the water level at Lake Cachuma.

Due to the tasks and responsibilities outlined, the following actions were considered by the Board:

a. Adoption of Santa Barbara County's Pre-Qualified Master Services Agreement Contractor List

Adoption of the County's list would be for the purpose of streamlining the procurement process in the event of an emergency affiliated with the drought. 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. Mr. Ward requested that the Board consider adopting the County approved pre-qualified contractor list.

b. Authorize the General Manager to Encumber, Once Identified, Fiscal Year 2012-13 Unexpended Funds to Budget for Drought Contingency Planning Activities

The Board was requested to consider 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 drought work. Director Beebe requested that it be noted that the unexpended funds would be from the South Coast Agencies only and would not include ID#1.

c. Approve Budget Adjustment to Adopted FY 2013-14 Budget to Utilize Unexpended 2012-13 Funds

In order to accommodate the funds to be carried over from FY 2012-13 the Board was requested to authorize an adjustment to FY 2013-14 Budget and create a drought preparedness line item. Director Beebe referred to item (b) that this adjustment would be for the South Coast Agencies only.

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

The Board was requested to authorize the General Manager to procure a Consultant Project Manager and to execute a Professional Services Contract for the contingency planning oversight and management.

e. Authorize General Manager to enter into Environmental/Legal Professional Services Agreements as necessary in an Aggregate Amount not to exceed \$50,000

The Board was requested to authorize the General Manager to execute Professional Services Agreements for any environmental/legal services required for the contingency planning.

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

The Board was requested to authorize the General Manager to execute contracts as sole source contracts with emergency justification.

Director Francisco moved to approve items (a) thru (f) as presented in the board packet with the changes requested by Director Beebe, seconded by Director Beebe, passed 5/1/1, Director Morgan voted no and Director Beebe abstained.

Phil Walker commented.

President Hanson announced that the Board would take a break at 4:40 p.m.

The Board meeting reconvened at 4:47 p.m.

7. Consider Authorizing the General Manager to Execute a Contract with Peter Lapidus Construction to Pothole the South Coast Conduit at Arroyo Paredon Creek

Randall Ward, General Manager reported that CalTrans intends to replace the Foothill Road Bridge where it crosses Arroyo Paredon Creek, near Carpinteria. 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 for the project design. The SCC needs to be potholed where it crosses Arroyo Paredon Creek to provide the information for the project engineers. 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.

A quote for the project was received from Peter Lapidus Construction for \$10,000. If the site where the potholing will take place needs to be dewatered or if the trenching is more extensive than thought, the additional effort will increase the cost. Staff recommends capping the cost of the project at \$15,000. The outcome of the

potholing and the exact location of the SCC will be incorporated into COMB's records.

Director Francisco moved to authorize the General Manager to execute a contract with Peter Lapidus Construction to pothole the South Coast Conduit where it crosses Arroyo Paredon Creek and Foothill Road, not to exceed \$15,000, seconded by Director Beebe, passed 6/0/1, Director Beebe abstained.

8. Report on Quiota Creek Crossing 1 Fish Passage Improvement Project

Tim Robinson reported that the construction on the project had started October 8, 2013 and the bridge was installed 12 working days later. Currently the backfilling of the arches is under way and by the end of next week the streambed work will be completed. To date the project has run very smoothly and in a timely manner.

9. 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. Mr. Robinson stated that this time of the year there is less maintenance to be done however, some caging maintenance and mulching will continue. The yearly inventory has been started and Mr. Robinson will provide the results in an upcoming board report.

10. Operations Division Report

Randall Ward highlighted the Operations report that was included in the board packet. Staff continues preparations for the air valve replacement project. The Operations staff had cleaned and repainted an open air vent and its welded joints after removing all surface corrosion at the Ortega Control Station. They also cleaned debris from the upstream side of the spillway stilling basin to prevent clogging the entrance. The downstream stilling basin was also cleared of thick vegetation.

11. Fisheries Division Report

Tim Robinson's Fisheries report was included in the board packet. Mr. Robinson reported that the thermographs continue to be downloaded monthly and the results are summarized in the Annual Monitoring Report. The Lake Cachuma water quality measurements continue to be taken once a month through December. The fall snorkel surveys will be conducted at the end of the WR 89-18 water rights release. Staff continues with the outreach program and continues to work on the 2012 Annual Monitoring Report.

12. Monthly Cachuma Project Reports

a. Cachuma Water Reports

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

b. Cachuma Reservoir Current Conditions

The Lake Cachuma Daily Operations report through October 23, 2013 was included in the board packet.

c. Lake Cachuma Quagga Survey

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

13. Directors' Requests for Agenda Items for Next Meeting

There were no requests for agenda items for the 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 11 GRD-00000-00135**

Counsel, Tony Trembley announced that the Board would go into closed session regarding Item #14 of the agenda, significant exposure to litigation.

The Board went into closed session at 4:53 p.m.

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

The Board came out of closed session at 5:20 p.m. There was no action to report out of closed session.

16. Meeting Schedule

- The next regular Board meeting will be held November 18, 2013 at 2:00 p.m.
- The Agendas and Board Packets are available on the COMB website, www.cachuma-board.org

17. COMB Adjournment

There being no further business, the meeting was adjourned at 5:20 p.m.

Respectfully submitted,

Randall Ward, Secretary of the Board

APPROVED:

Lauren Hanson, President of the Board

12/04/2013

Accrual Basis

COMB
Statement of Net Assets
As of October 31, 2013

ASSETS

Current Assets

Checking/Savings

TRUST FUNDS

1210 · WARREN ACT TRUST FUND 115,802.11

1220 · RENEWAL FUND 250,879.63

Total TRUST FUNDS 366,681.74

1050 · GENERAL FUND 405,861.39

1100 · REVOLVING FUND 142,035.86

Total Checking/Savings 914,578.99

Other Current Assets

1010 · PETTY CASH 500.00

1200 · LAIF 3,886.23

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

1990 - Clearing Acct - JE 182.00

Total Other Current Assets 110,321.31

Total Current Assets 1,024,900.30

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 7,605,100.52

12/04/2013

Accrual Basis

COMB
Statement of Net Assets
As of October 31, 2013

LIABILITIES & NET ASSETS

Liabilities

Current Liabilities

Accounts Payable

2200 · ACCOUNTS PAYABLE

42,458.82

Total Accounts Payable

42,458.82

Other Current Liabilities

Payroll-DepPrm Admin

74.62

Payroll-DepPrm FD

4.62

Payroll-DepPrm Ops

55.79

2550 · VACATION/SICK

98,242.62

2561 · BRADBURY DAM SOD ACT

74,323.64

2563 · LAURO DAM SOD ACT

13,216.00

2565 · ACCRUED INTEREST SOD ACT

87,008.00

2590 · DEFERRED REVENUE

366,681.74

Total Other Current Liabilities

639,607.03

Total Current Liabilities

682,065.85

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

7,495,852.92

NET ASSETS

3901 · Retained Net Assets

281,767.71

Net Income

-172,520.11

Total Net Assets

109,247.60

TOTAL LIABILITIES & NET ASSETS

7,605,100.52

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures

Budget vs. Actuals July 2013 - Jun 2014

	Fisheries			Operations			TOTAL		
	Jul - Oct 13	Budget	% of Budget	Jul - Oct 13	Budget	% of Budget	Jul - Oct 13	Budget	% of Budget
Income									
3000 REVENUE									
3001 - O&M Budget (Qtrly Assessments)	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%
3006 - Warren Act	0.00	16,555.00	0.0%	0.00	0.00	0.0%	0.00	16,555.00	0.0%
3007 - Renewal Fund	0.00	242,912.00	0.0%	0.00	0.00	0.0%	0.00	242,912.00	0.0%
3010 - Interest Income	0.00	0.00	0.0%	156.84	156.84	0.0%	156.84	156.84	100.0%
3020 - Misc Income	0.00	0.00	0.0%	618.71	618.71	0.0%	618.71	618.71	100.0%
3026 - Quieta Crk X1-CW Cons Brd	0.00	150,000.00	0.0%	0.00	0.00	0.0%	0.00	150,000.00	0.0%
3027 - Quieta Crk X1-CDFG Grant	0.00	521,141.00	0.0%	0.00	0.00	0.0%	0.00	521,141.00	0.0%
3035 - Cachuma Project Betterment Fund	0.00	90,000.00	0.0%	0.00	0.00	0.0%	0.00	90,000.00	0.0%
Total 3000 REVENUE	265,872.98	2,085,407.00	12.7%	590,306.05	2,358,123.00	25.0%	856,179.03	4,443,530.00	19.3%
Total Income	265,872.98	2,085,407.00	12.7%	590,306.05	2,358,123.00	25.0%	856,179.03	4,443,530.00	19.3%
Gross Profit	265,872.98	2,085,407.00	12.7%	590,306.05	2,358,123.00	25.0%	856,179.03	4,443,530.00	19.3%
Expense									
PAYROLL									
Gross	0.00	0.00	0.0%	-0.02	0.00	0.0%	-0.02	0.00	0.0%
Gross-FD	0.02	0.00	0.0%	0.00	0.00	0.0%	0.02	0.00	100.0%
Total PAYROLL	0.02	0.00	0.0%	-0.02	0.00	0.0%	0.00	0.00	0.0%
3100 - LABOR - OPERATIONS									
3101-E - Engineer	0.00	0.00	0.0%	44,747.02	0.00	0.0%	44,747.02	0.00	100.0%
3101-H - Holiday Leave	0.00	0.00	0.0%	4,665.06	0.00	0.0%	4,665.06	0.00	100.0%
3101-J - Jury Duty	0.00	0.00	0.0%	597.08	0.00	0.0%	597.08	0.00	100.0%
3101-S - Sick Leave	0.00	0.00	0.0%	3,577.46	0.00	0.0%	3,577.46	0.00	100.0%
3101-V - Vacation Leave	0.00	0.00	0.0%	4,848.99	0.00	0.0%	4,848.99	0.00	100.0%
3102 - Meter Reading	0.00	0.00	0.0%	1,182.18	0.00	0.0%	1,182.18	0.00	100.0%
3103 - SCC Ops	0.00	0.00	0.0%	41,845.70	0.00	0.0%	41,845.70	0.00	100.0%
3104 - Veh & Equip Mctc	0.00	0.00	0.0%	664.18	0.00	0.0%	664.18	0.00	100.0%
3105 - SCADA	0.00	0.00	0.0%	4,423.90	0.00	0.0%	4,423.90	0.00	100.0%
3106 - Rodent Bait	0.00	0.00	0.0%	2,206.38	0.00	0.0%	2,206.38	0.00	100.0%
3107 - NORTH PORTAL									
3107-1 - NP INTAKE TOWER									
3107-1a - Maintenance	0.00	0.00	0.0%	2,058.10	0.00	0.0%	2,058.10	0.00	100.0%
3107-1b - Cleaning	0.00	0.00	0.0%	215.50	0.00	0.0%	215.50	0.00	100.0%
3107-1f - Operations	0.00	0.00	0.0%	108.56	0.00	0.0%	108.56	0.00	100.0%
3107-1i - Engineering	0.00	0.00	0.0%	933.39	0.00	0.0%	933.39	0.00	100.0%
3107-1j - Rehabilitation	0.00	0.00	0.0%	1,133.96	0.00	0.0%	1,133.96	0.00	100.0%
Total 3107-1 - NP INTAKE TOWER	0.00	0.00	0.0%	4,449.51	0.00	0.0%	4,449.51	0.00	100.0%
3107-2 - NP CONTROL STATION									
3107-2a - Maintenance	0.00	0.00	0.0%	3,661.26	0.00	0.0%	3,661.26	0.00	100.0%
3107-2f - Operations	0.00	0.00	0.0%	1,127.17	0.00	0.0%	1,127.17	0.00	100.0%
3107-2h - Inspection	0.00	0.00	0.0%	384.33	0.00	0.0%	384.33	0.00	100.0%
3107-2i - Engineering	0.00	0.00	0.0%	804.96	0.00	0.0%	804.96	0.00	100.0%
Total 3107-2 - NP CONTROL STATION	0.00	0.00	0.0%	5,977.72	0.00	0.0%	5,977.72	0.00	100.0%
3107-3 - NP TECOLOTE TUNNEL									
3107-3a - Maintenance	0.00	0.00	0.0%	98.37	0.00	0.0%	98.37	0.00	100.0%
Total 3107-3 - NP TECOLOTE TUNNEL	0.00	0.00	0.0%	98.37	0.00	0.0%	98.37	0.00	100.0%
Total 3107 - NORTH PORTAL	0.00	0.00	0.0%	10,525.60	0.00	0.0%	10,525.60	0.00	100.0%
3108 - GLEN ANNE									
3108-1 - GA SOUTH PORTAL									
3108-1a - Maintenance	0.00	0.00	0.0%	62.46	0.00	0.0%	62.46	0.00	100.0%
3108-1d - Weed Management	0.00	0.00	0.0%	303.84	0.00	0.0%	303.84	0.00	100.0%
3108-1f - Operations	0.00	0.00	0.0%	172.15	0.00	0.0%	172.15	0.00	100.0%
3108-1g - Road	0.00	0.00	0.0%	81.42	0.00	0.0%	81.42	0.00	100.0%
3108-1h - Inspection	0.00	0.00	0.0%	65.58	0.00	0.0%	65.58	0.00	100.0%

Cachuma Operation & Maintenance Board

Statement of Revenues and Expenditures

Budget vs. Actuals July 2013 - Jun 2014

4:09 PM
12/04/13
Accrual Basis

	Fisheries			Operations			TOTAL		
	Jul - Oct 13	Budget	% of Budget	Jul - Oct 13	Budget	% of Budget	Jul - Oct 13	Budget	% of Budget
Total 3108-1 - GA SOUTH PORTAL	0.00			685.45	0.00		685.45	0.00	100.0%
3108-2 - GA RESERVOIR									
3108-2a - Maintenance	0.00			1,209.41	0.00		1,209.41	0.00	100.0%
3108-2b - Weed Management	0.00			664.48	0.00		664.48	0.00	100.0%
3108-2h - Inspection	0.00			146.35	0.00		146.35	0.00	100.0%
Total 3108-2 - GA RESERVOIR	0.00			2,020.24	0.00		2,020.24	0.00	100.0%
3108-3 - GA PUMP STATION									
3108-3d - Weed Management	0.00			101.28	0.00		101.28	0.00	100.0%
Total 3108-3 - GA PUMP STATION	0.00			101.28	0.00		101.28	0.00	100.0%
3108-4 - GA TURNOUT									
3108-4a - Maintenance	0.00			185.76	0.00		185.76	0.00	100.0%
3108-4d - Weed Management	0.00			202.56	0.00		202.56	0.00	100.0%
Total 3108-4 - GA TURNOUT	0.00			388.32	0.00		388.32	0.00	100.0%
Total 3108 - GLEN ANNE	0.00			3,195.29	0.00		3,195.29	0.00	100.0%
3110 - LAURO									
3110-1 - YARD									
3110-1a - Maintenance	0.00			2,133.37	0.00		2,133.37	0.00	100.0%
3110-1b - Cleaning	0.00			3,263.94	0.00		3,263.94	0.00	100.0%
3110-1c - Landscaping	0.00			98.37	0.00		98.37	0.00	100.0%
3110-1h - Inspection	0.00			131.16	0.00		131.16	0.00	100.0%
3110-1j - Rehabilitation	0.00			61.92	0.00		61.92	0.00	100.0%
Total 3110-1 - YARD	0.00			5,688.76	0.00		5,688.76	0.00	100.0%
3110-2 - CONTROL STATION									
3110-2i - Engineering	0.00			92.88	0.00		92.88	0.00	100.0%
Total 3110-2 - CONTROL STATION	0.00			92.88	0.00		92.88	0.00	100.0%
3110-3 - RESERVOIR									
3110-3a - Landscaping	0.00			262.52	0.00		262.52	0.00	100.0%
3110-3h - Inspection	0.00			84.43	0.00		84.43	0.00	100.0%
Total 3110-3 - RESERVOIR	0.00			346.95	0.00		346.95	0.00	100.0%
Total 3110 - LAURO	0.00			6,128.59	0.00		6,128.59	0.00	100.0%
3111 - OFFICE									
3111-2 - IMPLANTS									
3111-2a - Maintenance	0.00			54.28	0.00		54.28	0.00	100.0%
Total 3111-2 - IMPLANTS	0.00			54.28	0.00		54.28	0.00	100.0%
Total 3111 - OFFICE	0.00			54.28	0.00		54.28	0.00	100.0%
3112 - SHEFFIELD									
3112-2 - TUNNEL									
3112-2b - Cleaning	0.00			434.24	0.00		434.24	0.00	100.0%
3112-2h - Inspection	0.00			3,626.99	0.00		3,626.99	0.00	100.0%
Total 3112-2 - TUNNEL	0.00			4,061.23	0.00		4,061.23	0.00	100.0%
Total 3112 - SHEFFIELD	0.00			4,061.23	0.00		4,061.23	0.00	100.0%
3113 - ORTEGA									
3113-1 - CONTROL STATION									
3113-1a - Maintenance	0.00			3,797.26	0.00		3,797.26	0.00	100.0%
3113-1b - Cleaning	0.00			294.22	0.00		294.22	0.00	100.0%
3113-1i - Engineering	0.00			135.70	0.00		135.70	0.00	100.0%
3113-1j - Rehabilitation	0.00			2,059.12	0.00		2,059.12	0.00	100.0%
Total 3113-1 - CONTROL STATION	0.00			6,286.30	0.00		6,286.30	0.00	100.0%

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	Fisheries			Operations			TOTAL		
	Jul - Oct 13	Budget	% of Budget	Jul - Oct 13	Budget	% of Budget	Jul - Oct 13	Budget	% of Budget
3113-2 - RESERVOIR									
3113-2d - Weed Management	0.00	144.24	0.00	144.24	0.00	100.0%	144.24	0.00	100.0%
3113-2f - Operations	0.00	89.62	0.00	89.62	0.00	100.0%	89.62	0.00	100.0%
3113-2h - Inspection	0.00	545.28	0.00	545.28	0.00	100.0%	545.28	0.00	100.0%
Total 3113-2 - RESERVOIR	0.00	779.14	0.00	779.14	0.00	100.0%	779.14	0.00	100.0%
Total 3113 - ORTEGA	0.00	7,065.44	0.00	7,065.44	0.00	100.0%	7,065.44	0.00	100.0%
3114 - BOUNDARY METER									
3114-1 - VAULT									
3114-1a - Maintenance	0.00	65.58	0.00	65.58	0.00	100.0%	65.58	0.00	100.0%
3114-1f - Operations	0.00	356.24	0.00	356.24	0.00	100.0%	356.24	0.00	100.0%
3114-1h - Inspection	0.00	371.52	0.00	371.52	0.00	100.0%	371.52	0.00	100.0%
Total 3114-1 - VAULT	0.00	793.34	0.00	793.34	0.00	100.0%	793.34	0.00	100.0%
Total 3114 - BOUNDARY METER	0.00	793.34	0.00	793.34	0.00	100.0%	793.34	0.00	100.0%
3115 - CARPINTERIA									
3115-1 - CONTROL STATION									
3115-1a - Maintenance	0.00	624.60	0.00	624.60	0.00	100.0%	624.60	0.00	100.0%
Total 3115-1 - CONTROL STATION	0.00	624.60	0.00	624.60	0.00	100.0%	624.60	0.00	100.0%
3115-2 - RESERVOIR									
3115-2a - Maintenance	0.00	2,873.10	0.00	2,873.10	0.00	100.0%	2,873.10	0.00	100.0%
3115-2d - Weed Management	0.00	1,101.04	0.00	1,101.04	0.00	100.0%	1,101.04	0.00	100.0%
3115-2e - Landscaping	0.00	732.78	0.00	732.78	0.00	100.0%	732.78	0.00	100.0%
3115-2h - Inspection	0.00	80.88	0.00	80.88	0.00	100.0%	80.88	0.00	100.0%
Total 3115-2 - RESERVOIR	0.00	4,787.80	0.00	4,787.80	0.00	100.0%	4,787.80	0.00	100.0%
Total 3115 - CARPINTERIA	0.00	5,412.40	0.00	5,412.40	0.00	100.0%	5,412.40	0.00	100.0%
3116 - GOLETA REACH									
3116-1 - STRUCTURES									
3116-1a - Maintenance	0.00	11,513.78	0.00	11,513.78	0.00	100.0%	11,513.78	0.00	100.0%
3116-1h - Inspection	0.00	382.50	0.00	382.50	0.00	100.0%	382.50	0.00	100.0%
3116-1i - Engineering	0.00	92.88	0.00	92.88	0.00	100.0%	92.88	0.00	100.0%
Total 3116-1 - STRUCTURES	0.00	11,989.16	0.00	11,989.16	0.00	100.0%	11,989.16	0.00	100.0%
3116-2 - LATERAL METERS									
3116-2a - Maintenance	0.00	192.32	0.00	192.32	0.00	100.0%	192.32	0.00	100.0%
Total 3116-2 - LATERAL METERS	0.00	192.32	0.00	192.32	0.00	100.0%	192.32	0.00	100.0%
3116-4 - CONDUIT									
3116-4h - Inspection	0.00	613.86	0.00	613.86	0.00	100.0%	613.86	0.00	100.0%
Total 3116-4 - CONDUIT	0.00	613.86	0.00	613.86	0.00	100.0%	613.86	0.00	100.0%
Total 3116 - GOLETA REACH	0.00	12,795.34	0.00	12,795.34	0.00	100.0%	12,795.34	0.00	100.0%
3117 - CARPINTERIA REACH									
3117-1 - STRUCTURES									
3117-1a - Maintenance	0.00	8,446.02	0.00	8,446.02	0.00	100.0%	8,446.02	0.00	100.0%
3117-1h - Inspection	0.00	1,207.59	0.00	1,207.59	0.00	100.0%	1,207.59	0.00	100.0%
3117-1i - Engineering	0.00	5,696.64	0.00	5,696.64	0.00	100.0%	5,696.64	0.00	100.0%
3117-1j - Rehabilitation	0.00	474.00	0.00	474.00	0.00	100.0%	474.00	0.00	100.0%
Total 3117-1 - STRUCTURES	0.00	15,824.25	0.00	15,824.25	0.00	100.0%	15,824.25	0.00	100.0%
3117-4 - CONDUIT									
3117-4h - Inspection	0.00	938.10	0.00	938.10	0.00	100.0%	938.10	0.00	100.0%
Total 3117-4 - CONDUIT	0.00	938.10	0.00	938.10	0.00	100.0%	938.10	0.00	100.0%
Total 3117 - CARPINTERIA REACH	0.00	16,762.35	0.00	16,762.35	0.00	100.0%	16,762.35	0.00	100.0%

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	Fisheries			Operations			TOTAL		
	Jul - Oct 13	Budget	% of Budget	Jul - Oct 13	Budget	% of Budget	Jul - Oct 13	Budget	% of Budget
3150 - Health & Workers Comp	0.00	196,657.00	38.5%	75,629.07	196,657.00	38.5%	75,629.07	196,657.00	38.5%
3155 - PERS	0.00	90,035.00	31.8%	28,670.96	90,035.00	31.8%	28,670.96	90,035.00	31.8%
3160 - Ops Co FICA	0.00	30,828.00	38.1%	11,738.84	30,828.00	38.1%	11,738.84	30,828.00	38.1%
3165 - Ops Co Medicare	0.00	7,209.00	0.0%	2,745.39	7,209.00	0.0%	2,745.39	7,209.00	0.0%
3100 - LABOR - OPERATIONS - Other	0.00	497,218.00	0.0%	0.00	497,218.00	0.0%	0.00	497,218.00	0.0%
Total 3100 - LABOR - OPERATIONS	0.00	821,947.00	35.8%	294,336.07	821,947.00	35.8%	294,336.07	821,947.00	35.8%
3200 VEH & EQUIPMENT	0.00	30,000.00	28.3%	8,496.06	30,000.00	28.3%	8,496.06	30,000.00	28.3%
3201 - Vehicle/Equip Mice	0.00	15,000.00	0.0%	0.00	15,000.00	0.0%	0.00	15,000.00	0.0%
3202 - Fixed Capital	0.00	5,000.00	44.0%	2,200.53	5,000.00	44.0%	2,200.53	5,000.00	44.0%
3203 - Equipment Rental	0.00	5,000.00	13.3%	666.62	5,000.00	13.3%	666.62	5,000.00	13.3%
3204 - Miscellaneous	0.00	55,000.00	20.7%	11,363.21	55,000.00	20.7%	11,363.21	55,000.00	20.7%
Total 3200 VEH & EQUIPMENT	0.00	55,000.00	20.7%	11,363.21	55,000.00	20.7%	11,363.21	55,000.00	20.7%
3300 - CONTRACT LABOR	0.00	20,000.00	24.1%	4,825.00	20,000.00	24.1%	4,825.00	20,000.00	24.1%
3301 - Conduit, Meter, Valve & Misc	0.00	20,000.00	25.8%	5,169.74	20,000.00	25.8%	5,169.74	20,000.00	25.8%
3302 - Buildings & Roads	0.00	10,000.00	0.0%	0.00	10,000.00	0.0%	0.00	10,000.00	0.0%
3303 - Reservoirs	0.00	10,000.00	0.0%	0.00	10,000.00	0.0%	0.00	10,000.00	0.0%
3304 - Engineering, Misc Services	0.00	60,000.00	33.3%	19,994.74	60,000.00	33.3%	19,994.74	60,000.00	33.3%
Total 3300 - CONTRACT LABOR	0.00	60,000.00	33.3%	19,994.74	60,000.00	33.3%	19,994.74	60,000.00	33.3%
3400 - MATERIALS & SUPPLIES	0.00	25,000.00	3.7%	922.42	25,000.00	3.7%	922.42	25,000.00	3.7%
3401 - Conduit, Meter, Valve & Misc	0.00	15,000.00	9.8%	1,465.49	15,000.00	9.8%	1,465.49	15,000.00	9.8%
3402 - Buildings & Roads	0.00	10,000.00	39.4%	3,942.15	10,000.00	39.4%	3,942.15	10,000.00	39.4%
3403 - Reservoirs	0.00	50,000.00	12.7%	6,330.06	50,000.00	12.7%	6,330.06	50,000.00	12.7%
Total 3400 - MATERIALS & SUPPLIES	0.00	50,000.00	12.7%	6,330.06	50,000.00	12.7%	6,330.06	50,000.00	12.7%
3500 - OTHER EXPENSES	0.00	7,000.00	29.9%	2,091.55	7,000.00	29.9%	2,091.55	7,000.00	29.9%
3501 - Utilities	0.00	6,000.00	4.5%	270.57	6,000.00	4.5%	270.57	6,000.00	4.5%
3502 - Uniforms	0.00	18,000.00	33.6%	6,051.42	18,000.00	33.6%	6,051.42	18,000.00	33.6%
3503 - Communications	0.00	4,000.00	11.8%	471.00	4,000.00	11.8%	471.00	4,000.00	11.8%
3504 - USA & Other Services	0.00	8,000.00	56.4%	4,508.60	8,000.00	56.4%	4,508.60	8,000.00	56.4%
3505 - Miscellaneous	0.00	3,000.00	46.9%	1,407.03	3,000.00	46.9%	1,407.03	3,000.00	46.9%
3506 - Training	0.00	46,000.00	32.2%	14,800.17	46,000.00	32.2%	14,800.17	46,000.00	32.2%
Total 3500 - OTHER EXPENSES	0.00	46,000.00	32.2%	14,800.17	46,000.00	32.2%	14,800.17	46,000.00	32.2%
4000 - Reconciliation Discrepancies	0.00	0.00	0.15	0.15	0.00	0.15	0.15	0.00	100.0%
4100 - LABOR - FISHERIES	31,498.60	105,057.00	30.0%	0.00	105,057.00	30.0%	31,498.60	105,057.00	30.0%
4101 - Senior Resource Scientist	32,148.46	94,842.00	33.9%	0.00	94,842.00	33.9%	32,148.46	94,842.00	33.9%
4102 - Project Biologist	26,536.53	76,859.00	34.5%	0.00	76,859.00	34.5%	26,536.53	76,859.00	34.5%
4103 - Biologist	15,136.28	55,000.00	27.5%	0.00	55,000.00	27.5%	15,136.28	55,000.00	27.5%
4104 - Oak Tree Program	217.50	4,754.00	4.6%	0.00	4,754.00	4.6%	217.50	4,754.00	4.6%
4114 - Seasonal Aide - JG	348.00	4,753.00	7.3%	0.00	4,753.00	7.3%	348.00	4,753.00	7.3%
4115 - Seasonal Aide - RK	290.00	4,753.00	6.1%	0.00	4,753.00	6.1%	290.00	4,753.00	6.1%
4116 - Seasonal Aide - DR	174.00	4,753.00	3.7%	0.00	4,753.00	3.7%	174.00	4,753.00	3.7%
4117 - Seasonal Aide - BJ	0.00	4,753.00	0.0%	0.00	4,753.00	0.0%	0.00	4,753.00	0.0%
4118 - Seasonal Aide	0.00	4,753.00	0.0%	0.00	4,753.00	0.0%	0.00	4,753.00	0.0%
4119 - Seasonal Aide	28,621.50	92,102.00	31.1%	0.00	92,102.00	31.1%	28,621.50	92,102.00	31.1%
4150 - FD Health & WC	17,855.90	53,968.00	33.1%	0.00	53,968.00	33.1%	17,855.90	53,968.00	33.1%
4151 - FD PERS	7,196.83	22,337.00	32.2%	0.00	22,337.00	32.2%	7,196.83	22,337.00	32.2%
4152 - FD Co FICA	1,683.58	5,224.00	32.2%	0.00	5,224.00	32.2%	1,683.58	5,224.00	32.2%
4153 - FD Co Medicare	161,709.18	533,909.00	30.3%	0.00	533,909.00	30.3%	161,709.18	533,909.00	30.3%
Total 4100 - LABOR - FISHERIES	2,957.44	13,000.00	22.7%	0.00	13,000.00	22.7%	2,957.44	13,000.00	22.7%
4200 - VEHICLES & EQUIP - FISHERIES	6,739.00	52,300.00	12.9%	0.00	52,300.00	12.9%	6,739.00	52,300.00	12.9%
4270 - Vehicle/Equip Mice	179.70	2,500.00	7.2%	0.00	2,500.00	7.2%	179.70	2,500.00	7.2%
4280 - Fixed Capital	9,876.14	67,800.00	14.6%	0.00	67,800.00	14.6%	9,876.14	67,800.00	14.6%
4290 - Miscellaneous	0.00	3,000.00	0.0%	0.00	3,000.00	0.0%	0.00	3,000.00	0.0%
Total 4200 - VEHICLES & EQUIP - FISHERIES	9,876.14	67,800.00	14.6%	0.00	67,800.00	14.6%	9,876.14	67,800.00	14.6%
4220 - CONTRACT LABOR - FISHERIES	0.00	3,000.00	0.0%	0.00	3,000.00	0.0%	0.00	3,000.00	0.0%
4221 - Meters & Valves									

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	Fisheries			Operations			TOTAL		
	Jul - Oct 13	Budget	% of Budget	Jul - Oct 13	Budget	% of Budget	Jul - Oct 13	Budget	% of Budget
4222 - Fish Projects Maintenance	0.00	13,000.00	0.0%	0.00	13,000.00	0.0%	0.00	13,000.00	0.0%
Total 4220 - CONTRACT LABOR - FISHERIES	0.00	16,000.00	0.0%	0.00	16,000.00	0.0%	0.00	16,000.00	0.0%
4300 - MATERIALS/SUPPLIES - FISHERIES	244.77	15,350.00	1.6%	244.77	15,350.00	1.6%	244.77	15,350.00	1.6%
4300 - Miscellaneous	244.77	15,350.00	1.6%	244.77	15,350.00	1.6%	244.77	15,350.00	1.6%
Total 4300 - MATERIALS/SUPPLIES - FISHE...	244.77	15,350.00	1.6%	244.77	15,350.00	1.6%	244.77	15,350.00	1.6%
4500 - OTHER EXPENSES - FISHERIES	511.99	2,500.00	20.5%	511.99	2,500.00	20.5%	511.99	2,500.00	20.5%
4502 - Uniforms	511.99	2,500.00	20.5%	511.99	2,500.00	20.5%	511.99	2,500.00	20.5%
Total 4500 - OTHER EXPENSES - FISHERIES	511.99	2,500.00	20.5%	511.99	2,500.00	20.5%	511.99	2,500.00	20.5%
4999 - GENERAL & ADMINISTRATIVE	0.00	2,000.00	0.0%	317.58	2,000.00	15.9%	317.58	2,000.00	15.9%
5000 - Director Fees	0.00	11,000.00	0.0%	3,411.20	11,000.00	31.0%	3,411.20	11,000.00	31.0%
5001 - Director Mileage	0.00	13,000.00	0.0%	3,728.78	13,000.00	28.7%	3,728.78	13,000.00	28.7%
5000 - Director Fees - Other	0.00	100,000.00	0.0%	17,258.40	100,000.00	17.3%	17,258.40	100,000.00	17.3%
Total 5000 - Director Fees	0.00	117,000.00	0.0%	1,845.35	117,000.00	1.6%	1,845.35	117,000.00	1.6%
5100 - Legal	0.00	25,000.00	0.0%	0.00	25,000.00	0.0%	0.00	25,000.00	0.0%
5101-1 - Audit	0.00	42,705.00	0.0%	29,371.00	42,705.00	68.8%	29,371.00	42,705.00	68.8%
5150 - Unemployment Tax	0.00	179,241.00	0.0%	44,573.83	179,241.00	25.0%	44,573.83	179,241.00	25.0%
5200 - Liability Insurance	0.00	59,642.00	0.0%	17,920.85	59,642.00	30.0%	17,920.85	59,642.00	30.0%
5201 - Health & Workers Comp	0.00	18,963.00	0.0%	6,564.88	18,963.00	34.6%	6,564.88	18,963.00	34.6%
5250 - PERS	0.00	4,435.00	0.0%	1,535.34	4,435.00	34.6%	1,535.34	4,435.00	34.6%
5260 - Company FICA Admin	0.00	117,000.00	0.0%	26,350.00	117,000.00	22.5%	26,350.00	117,000.00	22.5%
5285 - Company MCARE Admin	0.00	71,770.00	0.0%	24,384.96	71,770.00	34.0%	24,384.96	71,770.00	34.0%
5300 - Manager Salary	0.00	37,447.00	0.0%	13,152.66	37,447.00	35.1%	13,152.66	37,447.00	35.1%
5301 - Administrative Manager	0.00	40,302.00	0.0%	15,104.06	40,302.00	37.5%	15,104.06	40,302.00	37.5%
5304 - Administrative Secretary	0.00	39,338.00	0.0%	13,882.96	39,338.00	35.3%	13,882.96	39,338.00	35.3%
5306 - Administrative Assistant	0.00	9,100.00	0.0%	2,752.37	9,100.00	30.2%	2,752.37	9,100.00	30.2%
5307 - Water Resources Technician	0.00	9,691.00	0.0%	2,586.90	9,691.00	26.7%	2,586.90	9,691.00	26.7%
5310 - Postage/Office Exp	0.00	10,790.00	0.0%	4,182.44	10,790.00	38.8%	4,182.44	10,790.00	38.8%
5311 - Office Equip/Leases	0.00	7,995.00	0.0%	4,137.75	7,995.00	51.8%	4,137.75	7,995.00	51.8%
5312 - Misc Admin Expenses	0.00	9,737.00	0.0%	1,819.97	9,737.00	18.7%	1,819.97	9,737.00	18.7%
5313 - Communications	0.00	6,425.00	0.0%	5,827.25	6,425.00	90.7%	5,827.25	6,425.00	90.7%
5314 - Utilities	0.00	4,000.00	0.0%	0.00	4,000.00	0.0%	0.00	4,000.00	0.0%
5315 - Membership Dues	0.00	16,625.00	0.0%	5,287.31	16,625.00	31.8%	5,287.31	16,625.00	31.8%
5316 - Admin Fixed Assets	0.00	2,000.00	0.0%	83.85	2,000.00	4.2%	83.85	2,000.00	4.2%
5318 - Computer Consultant	0.00	2,000.00	0.0%	586.52	2,000.00	29.3%	586.52	2,000.00	29.3%
5325 - Emp Training/Subscriptions	0.00	1,000.00	0.0%	349.99	1,000.00	35.0%	349.99	1,000.00	35.0%
5330 - Admin Travel/Conferences	0.00	838,906.00	0.0%	243,287.42	838,906.00	29.0%	243,287.42	838,906.00	29.0%
5331 - Public Information	0.00	838,906.00	0.0%	243,287.42	838,906.00	29.0%	243,287.42	838,906.00	29.0%
Total 4999 - GENERAL & ADMINISTRATIVE	0.00	838,906.00	0.0%	243,287.42	838,906.00	29.0%	243,287.42	838,906.00	29.0%
5400 - GENERAL & ADMIN - FISHERIES	14,491.98	44,671.00	32.4%	0.00	44,671.00	0.0%	14,491.98	44,671.00	32.4%
5401 - Health & Workers Comp.	9,649.79	32,115.00	30.0%	0.00	32,115.00	0.0%	9,649.79	32,115.00	30.0%
5402 - CalPERS	3,534.97	10,210.00	34.6%	0.00	10,210.00	0.0%	3,534.97	10,210.00	34.6%
5403 - Company Fica	7,082.20	20,163.00	35.1%	0.00	20,163.00	0.0%	7,082.20	20,163.00	35.1%
5404 - Admin Secretary	14,188.46	69,000.00	22.5%	0.00	69,000.00	0.0%	14,188.46	69,000.00	22.5%
5405 - GMI Salary	826.72	2,389.00	34.6%	0.00	2,389.00	0.0%	826.72	2,389.00	34.6%
5406 - Company MCare	11,282.00	25,000.00	45.1%	0.00	25,000.00	0.0%	11,282.00	25,000.00	45.1%
5407 - Legal - FD	13,130.40	38,646.00	34.0%	0.00	38,646.00	0.0%	13,130.40	38,646.00	34.0%
5408 - Administrative Manager	8,132.95	21,701.00	37.5%	0.00	21,701.00	0.0%	8,132.95	21,701.00	37.5%
5409 - Administrative Assistant	1,362.72	4,900.00	27.8%	0.00	4,900.00	0.0%	1,362.72	4,900.00	27.8%
5410 - Postage / Office Supplies	1,392.88	5,218.00	26.7%	0.00	5,218.00	0.0%	1,392.88	5,218.00	26.7%
5411 - Office Equipment / Leases	1,656.24	5,810.00	28.5%	0.00	5,810.00	0.0%	1,656.24	5,810.00	28.5%
5412 - Misc. Admin Expense	2,404.17	4,305.00	55.8%	0.00	4,305.00	0.0%	2,404.17	4,305.00	55.8%
5413 - Communications	979.98	5,243.00	18.7%	0.00	5,243.00	0.0%	979.98	5,243.00	18.7%
5414 - Utilities	3,137.75	2,900.00	108.2%	0.00	2,900.00	0.0%	3,137.75	2,900.00	108.2%
5415 - Membership Dues	0.00	4,000.00	0.0%	0.00	4,000.00	0.0%	0.00	4,000.00	0.0%
5416 - Admin Fixed Assets	2,846.99	9,000.00	31.6%	0.00	9,000.00	0.0%	2,846.99	9,000.00	31.6%
5418 - Computer Consultant	45.15	2,500.00	1.8%	0.00	2,500.00	0.0%	45.15	2,500.00	1.8%
5425 - Employee Education/Subscription	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

4:09 PM
 12/04/13
 Accrual Basis

	Fisheries			Operations			TOTAL		
	Jul - Oct 13	Budget	% of Budget	Jul - Oct 13	Budget	% of Budget	Jul - Oct 13	Budget	% of Budget
5426 · Director Fees	1,836.80	6,000.00	30.6%	0.00	0.00	0.0%	1,836.80	6,000.00	30.6%
5427 · Director Mileage	171.03	1,000.00	17.1%	0.00	0.00	0.0%	171.03	1,000.00	17.1%
5430 · Travel	449.70	2,500.00	18.0%	0.00	0.00	0.0%	449.70	2,500.00	18.0%
5431 · Public Information	132.10	1,500.00	8.8%	0.00	0.00	0.0%	132.10	1,500.00	8.8%
5441 · Audit	993.65	6,300.00	15.8%	0.00	0.00	0.0%	993.65	6,300.00	15.8%
5443 · Lab & Property Ins	15,815.00	21,595.00	73.2%	0.00	0.00	0.0%	15,815.00	21,595.00	73.2%
5450 · Water Resources Technician	7,475.44	21,182.00	35.3%	0.00	0.00	0.0%	7,475.44	21,182.00	35.3%
Total 5400 - GENERAL & ADMIN - FISHERIES	123,019.07	361,848.00	34.0%	0.00	5,000.00	0.0%	123,019.07	361,848.00	34.0%
5510 · Integrated Reg. Water Mgt Plan	0.00	0.00	0.0%	0.00	5,000.00	0.0%	0.00	5,000.00	0.0%
6000 - SPECIAL PROJECTS	0.00	0.00	0.0%	0.00	5,000.00	0.0%	0.00	5,000.00	0.0%
6082 · SCADA	0.00	0.00	0.0%	5,271.91	30,000.00	17.6%	5,271.91	30,000.00	17.6%
6092 · COMB Office Building	0.00	0.00	0.0%	872.63	20,000.00	4.4%	872.63	20,000.00	4.4%
6092 · SCC Improv Plan & Design	0.00	0.00	0.0%	0.00	25,000.00	0.0%	0.00	25,000.00	0.0%
6092-1 · SCC Improv Plan & Design UF	0.00	0.00	0.0%	0.00	25,000.00	0.0%	0.00	25,000.00	0.0%
6098 · SCC Structure Rehabilitation	0.00	0.00	0.0%	0.00	25,000.00	0.0%	0.00	25,000.00	0.0%
6097 · GIS and Mapping	0.00	0.00	0.0%	6,109.19	111,270.00	0.0%	6,109.19	111,270.00	0.0%
6105 · ROW Management Program	0.00	0.00	0.0%	0.00	10,000.00	0.0%	0.00	10,000.00	0.0%
6107 · North Portal Elevator Rehab	0.00	0.00	0.0%	18,350.00	300,000.00	6.1%	18,350.00	300,000.00	6.1%
6108 · Drought Contingency Planning	0.00	0.00	0.0%	0.00	82,000.00	0.0%	0.00	82,000.00	0.0%
6108-1 · Drought Contingency Planning UF	0.00	0.00	0.0%	0.00	82,000.00	0.0%	0.00	82,000.00	0.0%
Total 6000 - SPECIAL PROJECTS	0.00	481,270.00	6.4%	30,603.73	481,270.00	6.4%	30,603.73	481,270.00	6.4%
6200 - FISHERIES ACTIVITIES	2,243.38	105,000.00	2.1%	0.00	105,000.00	2.1%	2,243.38	105,000.00	2.1%
6201 · FMP Implementation	4,406.43	10,000.00	44.1%	0.00	10,000.00	0.0%	4,406.43	10,000.00	44.1%
6202 · GIS and Mapping	0.00	10,000.00	0.0%	0.00	10,000.00	0.0%	0.00	10,000.00	0.0%
6203 · Grants Technical Support	782.32	10,000.00	7.8%	0.00	10,000.00	0.0%	782.32	10,000.00	7.8%
6204 · SYR Hydrology Technical Support	18,537.50	75,000.00	24.7%	0.00	75,000.00	0.0%	18,537.50	75,000.00	24.7%
6205 · USGS Stream Gauge Program	0.00	5,000.00	0.0%	0.00	5,000.00	0.0%	0.00	5,000.00	0.0%
6206 · Tri County Fish Team Funding	953.04	25,000.00	3.8%	0.00	25,000.00	0.0%	953.04	25,000.00	3.8%
6207 · Oak Tree Restoration Program	0.00	5,000.00	0.0%	0.00	5,000.00	0.0%	0.00	5,000.00	0.0%
6211 · SYR RiverWare Model Use	26,922.67	245,000.00	11.0%	0.00	245,000.00	0.0%	26,922.67	245,000.00	11.0%
Total 6200 - FISHERIES ACTIVITIES	2,243.38	105,000.00	2.1%	0.00	105,000.00	2.1%	2,243.38	105,000.00	2.1%
6300 - HABITAT ENHANCEMENT	0.00	3,000.00	0.0%	0.00	3,000.00	0.0%	0.00	3,000.00	0.0%
6303 · Tributary Projects Support	0.00	70,000.00	0.0%	0.00	70,000.00	0.0%	0.00	70,000.00	0.0%
6304 · Engineering Designs - CC	85,699.77	770,000.00	11.1%	0.00	770,000.00	0.0%	85,699.77	770,000.00	11.1%
6309 · Quiota Creek Crossing #1	85,699.77	843,000.00	10.2%	0.00	843,000.00	0.0%	85,699.77	843,000.00	10.2%
Total 6300 - HABITAT ENHANCEMENT	171,399.54	1,613,000.00	10.6%	0.00	1,613,000.00	10.6%	171,399.54	1,613,000.00	10.6%
Total Expense	407,983.61	2,085,407.00	19.6%	620,715.53	2,358,123.00	26.3%	1,028,699.14	4,443,530.00	23.2%
Net Income	-142,110.63	0.00	100.0%	-30,409.48	0.00	100.0%	-172,520.11	0.00	100.0%

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

www.treasurer.ca.gov/pmia-laif
 November 04, 2013

CACHUMA OPERATION AND MAINTENANCE BOARD

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

PMIA Average Monthly Yields

Tran Type Definitions

October 2013 Statement

Effective Date	Transaction Date	Tran Type	Confirm Number	Authorized Caller	Amount
10/15/2013	10/11/2013	QRD	1412378	SYSTEM	2.51

Account Summary

Total Deposit:	2.51	Beginning Balance:	3,883.72
Total Withdrawal:	0.00	Ending Balance:	3,886.23

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 October, 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
10/1/13 - 10/31/13

Customer Inquiries
800-798-6466

Thank you for banking with us
since 1982

CY30 MZOB 0000 0091725-119217 366227
CACHUMA OPERATION & MAINTENANCE BOARD
MASTER CONTRACT RENEWAL FUND
3301 LAUREL CANYON RD
SANTA BARBARA CA 93105-2017

BUSINESS ESSENTIALS INTEREST CHK SUMMARY

Table with columns for Description, Amount, and Interest. Rows include: Days in statement period: 31, Beginning balance on 10/1, Total Credits (Deposits, Other credits), Total Debits (Other debits), Ending Balance on 10/31, Interest Paid this period, Interest Rates.

C R E D I T S

Deposits

Table with columns: Date, Description, Reference, Amount. Rows: 10/9 OFFICE DEPOSIT, 10/22 OFFICE DEPOSIT, 2 Deposits Total amount.

Other credits and adjustments

Table with columns: Date, Description, Reference, Amount. Row: 10/31 INTEREST PAYMENT.

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 October, 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
10/1/13 - 10/31/13

Customer Inquiries
800-798-6466

Thank you for banking with us
since 1982

CY30MZOB0000 0091726-119218 366227
CACHUMA OPERATION & MAINTENANCE BOARD
CACHUMA PROJECT TRUST FUND
3301 LAUREL CANYON RD
SANTA BARBARA CA 93105-2017

BUSINESS MONEYMARKET ACCOUNT SUMMARY

Days in statement period: 31

Table with columns for balance, credits, debits, and interest. Includes rows for Beginning balance, Total Credits (Deposits, Other credits), Total Debits, and Ending Balance.

CREDITS

Deposits

Table with columns: Date, Description, Reference, Amount. Includes entry for 10/22 OFFICE DEPOSIT.

Other credits and adjustments

Table with columns: Date, Description, Reference, Amount. Includes entry for 10/31 INTEREST PAYMENT.

DAILY LEDGER BALANCE

Table with columns: Date, Ledger Balance, Date, Ledger Balance, Date, Ledger Balance. Shows balances for 10/1-10/21, 10/22-10/30, and 10/31.

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 October, 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 over a horizontal line.

Secretary

10:12 AM
 11/12/13
 Accrual Basis

comb2
Payment of Claims
 As of October 31, 2013

Date	Num	Name	Memo	Amount
1050 - GENERAL FUND				
10/08/2013	22173	COMB-Petty Cash	Replenish Petty Cash	-449.31
10/08/2013	22174	COMB - Revolving Fund	Replenish payroll for final severance payout (DB)	-16,000.00
10/11/2013	22175	Bureau of Reclamation	1st period Entitlement 2014	-751,066.51
10/15/2013	22176	Acorn Landscape Management Co.	Scheduled mtce-Lauro yard	-260.77
10/15/2013	22177	ACWA-Joint Powers Insurance Authority	Workers Comp Program 7/1-9/30/13	-7,495.00
10/15/2013	22178	Alonzo Orozco	Sep mtg fees	-287.97
10/15/2013	22179	Association of Ca Water Agencies/JPIA	11-/12/1/13 coverage	-24,475.28
10/15/2013	22180	AT&T	Sep charges	-412.61
10/15/2013	22181	Cachuma O & M Board-Renewal Fund	Transfer of CVWD/GWD WY 13/14 funds	-114,813.00
10/15/2013	22182	CIO Solutions, LP	Microsoft Ofc 2013 licenses/Maintain IT-Oct	-3,535.68
10/15/2013	22183	City of Santa-Barbara	Trash/Recycle-Sep 2013	-212.95
10/15/2013	22184	Coastal Copy, LP	Copier mtce agmt(s)	-285.32
10/15/2013	22185	County of Santa--Barbara	General garbage	-21.00
10/15/2013	22186	Cox Communications	Oct internet service	-195.00
10/15/2013	22187	Culligan Water	Monthly RO system	-24.95
10/15/2013	22188	Dale Francisco	Sep mtg fees	-398.05
10/15/2013	22189	Dennis E. Beebe	Sep mtg fees	-320.08
10/15/2013	22190	Draganchuk Alarm Systems	Alarm monitoring 10/1-12/31/13	-82.50
10/15/2013	22191	ECHO Communications	Monthly answering service	-62.93
10/15/2013	22192	Federal Express	Mailing	-65.86
10/15/2013	22193	GE Capital	Copier lease agmt(s)	-133.92
10/15/2013	22194	Grainger	Danger sign	-69.60
10/15/2013	22195	Graybar Electric Company, Inc.	Lights for mobile ofc	-164.86
10/15/2013	22196	Harrison Hardware	Oak tree supp/bug spray	-41.16
10/15/2013	22197	Home Depot Credit Services	Ortega floor drain supp/misc	-284.30
10/15/2013	22198	Hydrex Pest Control Co.	Pest control-Lauro yard buildings	-216.00
10/15/2013	22199	Joe Gonzalez Welding	Field inspection of pipeline Sta 513+48	-190.00
10/15/2013	22200	Lauren W. Hanson	Sep mtg fees	-267.31
10/15/2013	22201	MarBorg Industries	Portable toilets/roll off rental	-1,545.37
10/15/2013	22202	Musick, Peeler & Garrett LLP	General Counsel-Aug	-9,059.20
10/15/2013	22203	Paychex, Inc.	9/13, 27 payrolls/taxes/deliveries	-309.40
10/15/2013	22205	PG&E	Tecolote tunnel/NP (Sep inv charges)	-212.75
10/15/2013	22206	Pitney Bowes Global Financial Services	Postage meter lease agmt	-474.35
10/15/2013	22207	Powell Garage	00 Chevy service	-375.02
10/15/2013	22208	Praxair Distribution, Inc	Cylinder rental (acetylene for welder)	-67.43
10/15/2013	22209	Premiere Global Services	Conf calls-Sep	-18.27
10/15/2013	22210	Prudential Overall Supply	Mats/scrapper	-49.74
10/15/2013	22211	Reserve Account	Postage refill	-400.00
10/15/2013	22212	Smarden-Hatcher Co.	Ortega drain project mat/supp	-112.49
10/15/2013	22213	Southern California Edison	Main ofc/outlying stations	-1,978.71
10/15/2013	22214	Spatial Wave	Oct-Dec Field Mapplet Software mtce	-900.00
10/15/2013	22215	Staples Contract and Commercial, Inc.	Office supplies	-429.19
10/15/2013	22216	Staples Credit Plan	External hard drive-for ops dept	-53.99
10/15/2013	22217	Sun Coast Rentals	Scaffolding, rolling tower	-176.00
10/15/2013	22218	Tim Robinson	Reimb-QC Xng 1 fabrication oversight (Shafter, CA)	-178.27
10/15/2013	22219	Underground Service Alert of So. Calif.	59 Ticket charges	-88.50
10/15/2013	22220	Verizon California	Main ofc/outlying stations/SCADA	-928.67
10/15/2013	22221	Verizon Wireless	Cellular/modems/USB's	-355.61
10/15/2013	22222	W. Douglas Morgan	Sep mtg fees	-417.91
10/15/2013	22223	Western Welding	Safety glasses	-24.02
10/15/2013	22224	Wright Express Fleet Services	Fleet fuel	-2,184.18
10/15/2013	22225	County of Santa--Barbara	Mulch-Oak trees	-225.40
10/16/2013	22226	J&C Services	Office cleaning services 9/20,27, 10/4, 11	-600.00
10/16/2013	22227	Peter Lapidus Construction, Inc.	Install rip rap revetment at the North Portal	-10,000.00
10/22/2013	22228	COMB - Revolving Fund	Replenish for 10/25, Nov 8 & 22 payrolls/taxes	-194,535.37
10/22/2013	22229	Kenneth A. Knight, Consulting	Consulting Arborist-QCX1-Sep	-1,250.00

10:12 AM
11/12/13
Accrual Basis

comb2
Payment of Claims
As of October 31, 2013

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
10/23/2013	22230	David Flora	Reimb steel toe boots	-160.18
10/23/2013	22231	GE Capital	Copier lease agmt(s)	-355.32
10/23/2013	22232	Krazan & Associates, Inc.	QCX#1 Bridge construction testing/inspection	-2,011.50
10/24/2013	22233	PG&E	Tecolote tunnel/NP (Oct inv charges)	-208.99
Total 1050 - GENERAL FUND				<u>-1,151,517.75</u>
TOTAL				<u>-1,151,517.75</u>

RESOLUTION NO. 571

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE
CACHUMA OPERATION AND MAINTENANCE BOARD
RELATING TO COMMITTEES OF THE BOARD

RECITALS

WHEREAS, the Cachuma Operation and Maintenance Board (COMB), in carrying out its duties, utilizes Standing and Ad Hoc Committees, and

WHEREAS, the organizational structure of the committees is revisited from time to time by the Board, and

WHEREAS, the Board now sees fit to re-characterize a current Ad Hoc Committee as a Standing Committee and at the same time update the descriptions of its Standing Committees and Ad Hoc Committees and re-affirm the process by which such committees are formed:

NOW, THEREFORE, BE IT RESOLVED:

1. That the Ad Hoc Committee to Review the In-House Oak Tree Restoration Program is now a Standing Committee named the Lake Cachuma Oak Tree Committee.
2. That the following are the current Standing Committees of the Board, with subject area oversight responsibilities as outlined, with membership of each committee composed of two Directors of the Board, with a third Director serving as alternate:

Administrative Committee:

Finance, Budget, Personnel matters, Legal issues, COMB Administrative Policy and related matters.

Operations Committee:

Capital Improvement Projects, Operations Division Environmental Compliance, Operations Division Policy and related matters.

Fisheries Committee:

Habitat Improvement Projects, Fisheries Division Environmental Compliance, Fisheries Division Policy and related matters.

Public Outreach Committee:

Public Relations, Newsletters, Media Relations and related matters.

Lake Cachuma Oak Tree Committee:

Lake Cachuma Oak Tree mitigation efforts: Implementation, Monitoring and Policy.

3. That the Board may create or designate other such Standing Committees from time to time as it sees fit.
4. That the Board President may create or designate Ad Hoc Committees from time to time as he or she sees fit, for a project, issue or other matter of a temporary nature,

such committee to be composed of two Directors of the Board, with or without a designated alternate member.

5. That there is currently one Ad Hoc Committee, the Ad Hoc Committee for Drought Contingency Planning, formed to work with COMB staff and report to the Board in a timely manner on drought planning, response implementation and related expenditure proposals for the current dry weather cycle.

BE IT FURTHER RESOLVED that this resolution shall take effect immediately.

I certify that the foregoing Resolution No. 571 was adopted by a vote of the Board of Directors of COMB on December 9, 2013, as set forth below.

AYES:

NAYES:

ABSENT/ABSTAIN:

APPROVED:

President of the Board

ATTEST:

General Manager/Secretary



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: December 9, 2013

General Manager Report

The weeks following the October 28, Board meeting have been largely devoted to drought contingency planning that will be discussed in detail later in the agenda.

- **USBR Site Inspection:** COMB staff provided the Operations Committee with a briefing on the draft response to the USBRs 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. COMB is waiting on comments from MUs and, per the request of the Board at the October 28, meeting, will again forward draft comments to the MUs for a final review. Once comments are received and incorporated into the response the document will be forwarded to USBR.
- **AVARs Bid Package:** As part of the October 28, General Manager's Report it was indicated the design and engineering was nearly complete on the four AVARs included in the 2013-14 capital construction program. It was further indicated the complexity of the project would require coordination with the impacted MUs, simultaneous construction at all four sites, a shutdown of a portion of the South Coast Conduit and, require dewatering prior to construction and re-watering following completion. Subsequent to the October 28, Board meeting and discussions with the impacted MU, it was determined a modified option existed to comply with the USBR recommendation. This option would not require immediate replacement of the valve that would require a shutdown of the SCC. The option would include raising the air valve above ground, per the specific recommendation of the USBR. This option was deemed preferable because it will not require a shutdown of the SCC during a period of drought.
- **Drought Contingency Planning:** Substantial preliminary work has been conducted to identify issues related to the development of an Emergency Pumping System (EPS). Participating Member Unit Managers attended a meeting on November 20, to discuss preliminary planning and the tasks necessary to enable a September 1, response. The County has been an ongoing participant in preliminary planning and has contracted for a bathymetric survey of Lake Cachuma. The bathymetric survey will provide lake volume data that will more precisely assist our drought contingency planning effort.
- **Encroachment:** I met with the County regarding our mutual interest to ensure both agencies encroachment policy considers the parallel impact to each agencies permit process. The County has developed an overlay of the SCC that will be applied to parcel maps used in their permit process. This computer assisted addition will enable the County to stipulate to a permit applicant the necessity to apply for a COMB encroachment permit.

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read 'Randall M. Ward', is written over the 'Respectfully Submitted,' text.

General Manager

DRAFT

Contingency Planning Project

Background

Lake Cachuma serves as the primary water supply reservoir for the cities of Santa Barbara, Goleta, Montecito and Carpinteria. Lake Cachuma is also the repository of water delivered from the State Water Project. Lake Cachuma water is transported through a 27-mile gravity fed conveyance system designed and constructed by the U.S. Bureau of Reclamation during the mid-1950's that is operated by the Cachuma Operation and Maintenance Board. Conveyance begins through an intake portal located in the lake that feeds the delivery system. The ability of the lake's intake portal to draw water into the conveyance system is directly attributable to lake water elevation. The lake has been subject to 2-years of severe drought causing significant decline to the water level. Various rainfall/inflow scenarios are being evaluated to determine the potential 2014 dates the lake's water level may fall below the intake portal that would render the existing gravity fed system inoperable.

Project Description

As precipitation and lake inflow amounts are unknown for 2013-14, contingency planning is necessary to develop an alternate method of delivering water into the intake portal should the lake water level decline rendering the existing gravity fed system inoperable. Even with lake's water level declining below the intake portal, approximately 50,000 acre feet of water remain in storage. Therefore, a pumping system must be designed and engineered to pump and, potentially initially syphon, water into the intake portal. Similar drought impacts caused the development and operation of a pumping/syphon system necessary due to a lake water level drop during 1990-91. The system must be designed, constructed, operated and maintained on a 24/7 basis to provide a minimum of 45 MGD to the intake portal. For planning purposes, because weather impacting lake inflow during the 2013-14 is unknown, the decision to construct the pumping system will be made during April 2014 and actual system operation will begin during September 2014. This is a high profile lifeline system that must include redundancy for all critical functions.

Phase I

- Define project scope
- Budget Planning
- (CEQA) Begin initial study – Begin November 2013
- Identify necessary permits (NPDES, etc.)
- Retain engineering firm with appropriate expertise to develop performance specifications and assist in RFP for Design, Build Maintain and Operate (DBOM) development and bid evaluation – Begin December 2013
- Submit application to PG&E - December 2013
- Hydrologic information for barge location and dredging - December 2013

Phase II

- Cause development of special studies as dictated by initial study – January 2014
- Determine Emergency Pumping System power requirements, location and redundancy
- Budget planning
- Bid package advertisement
- Evaluate and select DBOM contractor

Phase III

- Evaluation of lake elevation to determine project execution date – April 2014
- Construction
- Budget planning
- Contractor oversight
- Begin operation of Emergency Pumping System – September 2014

Phase IV

- Disassemble and storage of material
- Budget completion
- Evaluation

DRAFT



CALIFORNIA DEPARTMENT OF WATER RESOURCES

NEWS FOR IMMEDIATE RELEASE

November 27, 2013

Contacts:

Jeanine Jones, DWR Interstate Resources Manager – (916) 653-8126

Ted Thomas, DWR Information Officer – (916) 653-9712

DWR Experimental Winter Outlook for Water Year 2014 Sees Mostly Dry Conditions for California

SACRAMENTO – As part of ongoing work to develop seasonal water supply forecasting ability, the Department of Water Resources (DWR) annually convenes researchers to develop an experimental winter outlook forecast, and to review other factors that may assist in improving forecasting skill at lead times ranging from several weeks to a year. The forecast for water year 2014 (October 1 – September 30) is of particular interest since water years 2012 and 2013 were both dry, and 2014 brings the possibility of a third dry year.

The experimental forecast prepared for DWR by Dr. Klaus Wolter of the Cooperative Institute for Research in Environmental Sciences at the University of Colorado makes the following predictions based on statistical models that consider global influences on California climate:

- ▶ Mostly dry conditions for most of California, with dry conditions being especially likely in Southern California.
- ▶ Near-normal to drier than normal for the Colorado River Basin, an important source of water supply for Southern California, although not as dry as in water year 2013.
- ▶ A small chance of a spring shift to El Niño conditions that could bring wetter weather for Southern California late in the season.

A primary source of skill in making seasonal climate outlooks for the Western U.S. is the status and expected behavior of the El Niño-Southern Oscillation (ENSO) cycle. ENSO neutral conditions are now present in the tropical Pacific Ocean, and are expected to persist throughout the winter months. The El Niño and La Niña phases of ENSO provide some guidance as to the potential for dry or wet conditions, particularly in Southern California, but ENSO neutral conditions do not yield a predictive signal. Other considerations such as the status of the Pacific Decadal Oscillation (PDO), the Atlantic Multidecadal Oscillation, or recent Alaskan temperatures can be evaluated through statistical models to make a forecast in the absence of an ENSO-related signal.

“Atmospheric river (AR) storms are a wildcard in this forecast”, according to Wolter. “My forecast last year for dry conditions in water year 2013 seemed destined for failure at first, since California experienced record wet conditions in late November/early December of last year courtesy of AR storms. However, the remainder of the season was record dry, producing an overall result of dry for the water year”.

California’s annual water supply is determined by a relatively small number of storms – only two or three storms or their absence can shift the balance between a wet year and a dry year. On average, about half of California’s statewide precipitation occurs December through February, with three-quarters occurring November through March. Averages can mask great variability within the wet season, however. Water years 2012 and 2013 were both dry, but their precipitation patterns were complete opposites. Water year 2012 began with record dry conditions, setting a record for the latest closing date for the Tioga Pass highway due to the absence of significant snow until January. Water year 2013 began record wet in Northern California, but then turned record dry from January on.

Forecasting swings like these in weather patterns at sub-seasonal timescales is also important for making water management decisions. At DWR's winter outlook workshop, preliminary research discussed by representatives from NASA's Jet Propulsion Laboratory and by the Center for Western Weather and Water Extremes at the Scripps Institution of Oceanography is offering potential opportunities for making forecasts of opportunity. "New work is showing possible relationships between precipitation and phase of the Madden-Julian Oscillation (MJO), and between phase of the MJO and conditions favoring AR storms", said Jeanine Jones of DWR. "DWR plans to collaborate with the research community to see how this information could continue to be developed to improve forecasting at timescales useful for water management".

-30-

The Department of Water Resources operates and maintains the State Water Project, provides dam safety and flood control and inspection services, assists local water districts in water management and water conservation planning, and plans for future statewide water needs.

Drought Contingency Planning

Contract - Architecture and Engineering Planning Activities

Activities necessary to understand existing system capability and prepare "Design, Build Operate and Maintain" (DBOM) bid package

Task 1

Determine possible options to Gate 5 dredging and conveyance
Develop basic performance criteria for Emergency Pumping System (EPS)
Review and determine conveyance options for Gate 4 or Gate 5 water intake.
Formulate general water delivery specifications
Perform as directed, feasibility and economic analysis of EPS/conveyance options
Prepare summary report to COMB

Task 2

Prepare performance specification documents for inclusion in bid package
Draft bid package contract document
Develop contract bidder evaluation criteria

Task 3

Attend contractor mandatory site visit
Assist in the response to contractor questions and requests for information
Assist COMB with contractor selection
Assist COMB with contract negotiation

Task 4

Provide project implementation and operation coordination and oversight

The outlined tasks assume regular and ongoing communication with COMB and potential presentations to the Board. It also assumes multiple site visits and contractor meetings.

Drought Questions

Lake level: The question still remains regarding the level of the dead pool. 12,000 AF is the calculated dead pool level by Stetson. However, the question is: To what level can the lake be pumped without causing sediment to exceed the operability level of treatment plant? Therefore, is it realistic to assume pumping can continue until the lake reaches 12,000 AF? The number that cannot be provided to the Member Units until these questions are answered is: How much water over what period of time can be delivered.

Pumping location: Up to this point we have assumed the prior location of the pumping barge was the optimal location. We have no basis other than the past pumping operation to make that assumption. Given the number of pumps and that their physical size of the pumps may be greater than pumps used in the past, should the barge be the assumed pump foundation is another solution in the offing?

SWP Water: The existing conveyance of SWP water is the lake. What lake level is necessary to support conveyance of SWP water? We have not had the opportunity to speak with CCWA regarding the possibility of creating another method of conveying SWP water and is it possible to create that conveyance in the necessary time frame?

Pumping location, lake level and dead pool: We do not know the optimum pump location. We do not know how far down lake volume can be taken to allow continued conveyance of SWP Water and we do not know, because an obsolete bathymetric survey, the actual volume of the lake. We also do not know the technical precautions available/necessary or the lake level requirement to avoid sediment flowing into the treatment plants from pumping.

Pumps: The 1990-91 pumping system was capable of approximately 18-19 MGD. The MU GMs unanimously support building the pump system to convey 45 MGD to provide optimal capability. There was concern raised during the planning for 1990-91 that pumping from two 20" pipes into the intake portal might cause damage. Because the task before us is to develop a system to convey 45 MGD into the intake tower, what is the risk of damage?

Intake Tower: There is a question regarding potential damage to the intake tower to handle not only a 45 MGD but also the weight of piping to the 4th gate (17' plus incline). Therefore, the operation of the 5th gate may be mandatory. If it is outside of the limit of the intake tower to withstand pumping 45 MGD, then an engineering solution will be necessary to more closely approximate the normal natural flow of the lake into the tower will be necessary. This may require a specially constructed intake for pumped water that would allow for natural gravity flow into the tower or another engineered solution.

Glen Anne Dam: Glen Anne Dam is currently inoperable due to seismic stability. The dam holds 800 plus AF (500 AF w/siltation). The question is: If Glen Anne was operable could it be used to balance the flow, thereby reducing the need to pump 45 MGD (fill the dam at night to meet high daily demand). The next question is: Could Glen Anne be fortified to meet the short term drought response requirement? There is currently approximately 300 AF of water in the dam. The purity of the water and bottom sediment is unknown. It is downstream of a farm operation and is presumed to contain fertilizer residue.

Balanced Flow: Is it possible to reduce the maximum MGD by efficiently utilizing the three existing reservoirs to meet day time demand? This scenario would require pumping at a constant rate during the night to refill the reservoirs thereby reducing the MGD pumping requirement during the day.

Preliminary Budget Information
Drought Contingency Planning 12/9/2013
Pre-April 1, planning costs (in red)

	Cumulative Totals - Pumping & Power				
Pumping	28 days	56 days	84 days	112 days	140 days
One time costs					
1. Mobilization	\$15,120				
2. Installation	\$45,600				
3. Removal	\$7,350				
4. Demobilization	\$9,120				
Rental Cost (per 28-days)					
Pumps and conveyance material	\$170,000	\$340,000	\$510,000	\$680,000	\$850,000
Barge Rental	\$2,900	\$5,800	\$8,700	\$11,600	\$14,500
Operations & Maintenance					
6 personnel @ 5,349 per 24/7	\$32,094	\$64,188	\$96,282	\$128,376	\$160,470
Back-up Generator 1MW	\$8,500	\$17,000	\$25,500	\$34,000	\$42,500
Total, Pumping	\$290,684	\$426,988	\$640,482	\$853,976	\$1,067,470
Electric Power					
PG&E Application Fee	\$5,000				
One time cost (PG&E) * Estimated	\$100,000				
Monthly electrical cost	\$40,000	\$80,000	\$120,000	\$160,000	\$200,000
Totals, Pumping + Power	\$435,684	\$506,988	\$760,482	\$1,013,976	\$1,267,470
Engineering/Related Work					
Engineering/Performance Evaluation	\$180,000				
Siltation Removal Gate 5* Estimate	\$100,000				
Management					
Project Management	\$75,000				
Reserve for Uncertainties	\$72,000				
Environmental/Legal					
Initial Study/Legal Process	\$50,000				
Total First Month	\$912,684				
Totals, Pre-April 1 funding					
2012-13 carry over authorization	-\$82,000				
Total planning costs	\$382,000				
Proposed Expenditure Authorization	\$300,000				

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	December 9, 2013
Submitted by:	Randall Ward

SUBJECT: Addition to COMB salary table a rate for hiring Professional Temporary Personnel

SUMMARY:

In an effort to contain costs for Professional services on engineers or other consultants, it would be beneficial for the General Manager to have the ability to directly hire the services of individuals with extensive experience and expertise in their field. These individuals can offer specific professional services by being placed on a temporary help status within our organization. COMB would employ these individuals on a temporary basis (less than 960 hours per year) which would also eliminate the need to pay benefits affiliated with a regular, full time employee. By hiring these individuals as temporary help, the cost savings as compared to engaging a professional consulting firm could be considerable.

I am requesting the addition of a line item in the salary table which would reflect rates synonymous with hiring a professional staff member. I am proposing a rate of up to \$150/hour with an additional \$25/hour for travel and related expenses. This rate would total up to \$175/hour for hiring professional temporary personnel.

FISCAL IMPACT:

N/A

LEGAL CONCURRENCE:

N/A

ENVIRONMENTAL COMPLIANCE:

N/A

COMMITTEE STATUS:

Recommended concurrence by the Ad Hoc Drought Contingency Committee

RECOMMENDATION:

Approve the addition to the COMB salary table a rate for hiring Professional Temporary Personnel as recommended by the Ad Hoc Drought Contingency Committee

LIST OF EXHIBITS:

N/A

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	December 9, 2013
Submitted by:	Randall Ward

SUBJECT: Drought Contingency Project Funding Options

SUMMARY:

Immediate Funding Needs

In June 2013, the Board adopted the COMB final Operating Budget for fiscal year ending June 2014. The budget, which contained a 13% decrease from the previous fiscal year, was created with careful consideration to contain operating costs while achieving outlined objectives. This budget was purposely developed to contain no discretionary funding.

During the past several years, the discussion regarding the establishment of reserve funds at COMB has been addressed by the Board and the decision to operate without reserve funds had been the accepted practice. The philosophy behind the decision was that if COMB was placed in a position that required additional funding for emergency or project implementation, the Member Units would recognize the reserve requirement set forth in the *Cachuma Project Transfer of Operations agreement*.

Since entering the third year of a drought, contingency planning has become necessary to develop an alternate method of delivering water into the intake structure. In order to prepare financially for this endeavor, I am proposing the creation of a drought contingency reserve fund in the amount of \$300,000 to secure the necessary planning, engineering and design professionals for this project. A special assessment is needed to create the reserve fund. The South Coast Member Units will be asked to provide these funds by accelerating a portion of their regular FY 2013-14 4th Quarter Budget assessment which will become due in January 2014. By April, 2014, we will know if the need for increased funding will become necessary.

The table below represents the South Coast Member Units' required contribution to establish the reserve fund.

<i>Drought Contingency Reserve Fund</i>	SCMU %	\$300,000.00
Goleta Water District	40.42%	\$121,250.98
City of Santa Barbara	35.89%	\$107,670.87
Carpinteria Valley Water District	12.20%	\$36,592.71
Montecito Water District	11.50%	\$34,485.45
	100.00%	\$300,000.00

This reserve fund will finance the near term preparatory stages of this planning effort. The actual implementation of the emergency pumping system will require the support of alternatives to be discussed in under "Long Term Funding" below. All information received from contracted sources will be retained under COMB ownership for possible future drought planning activities.

Long Term Funding Needs

If the drought continues through March 2014, it is probable that the implementation of planned Emergency Pumping System strategies will be necessary. The implementation would likely exceed \$1 million and ongoing costs would accrue for each month of Emergency Pumping System operation (EPS). It is assumed the majority of equipment will be rented or leased. The amount necessary to begin the EPS will remain unknown until a responsive bidder is selected. The longer term amount that may be necessary is contingent on the length of time the drought continues. Staff has consulted with Citigroup, who COMB has conferred with in the past, for preliminary information on long term financing options if they become necessary for this project. The financial breakeven point for short term (5 years or less) versus long term financing is approximately \$3.5MM. Funding in an amount less than the \$3.5MM would make more economical sense to be secured by a short term loan from a banking institution rather than pursuing longer term financing options. I will continue to keep the Ad Hoc Drought Contingency Committee and the Board apprised with additional financing information as it becomes available.

FISCAL IMPACT:

Acceleration of partial 4th Quarter FY 2013-14 Budget assessment in January 2014.

LEGAL CONCURRENCE:

N/A

ENVIRONMENTAL COMPLIANCE:

N/A

COMMITTEE STATUS:

Recommended concurrence by the Ad Hoc Drought Contingency Committee

RECOMMENDATION:

Approve Ad Hoc Drought Contingency Committee recommendation to create a Drought Contingency Reserve Fund in the amount of \$300,000 by advancing payment of a portion of the regular South Coast Member Units 4th Quarter assessment.

LIST OF EXHIBITS:

N/A

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	December 9, 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	12/13/2013
Number of construction work days (WD*) (expected)	45
Elapsed Time (WD)	40
Remaining Time (WDs to complete all work)	5
Time Elapsed to Date (%)	89%

*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, constructing the one rock riffle and 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 on 10/24/13. All stream work was completed on 11/5/13. The arch system has been back filled and the road and embankments rebuilt. Bridge rails will be installed by 12/6/13 with road paving by 12/10/13 and the guard rails should be installed the following day. Re-

vegetation (tree planting and hydro-mulching/seeding) will occur thereafter and the project should be completed by 12/13/13. COMB and County engineers have supervised and approved all phases of the construction. Construction photos (Figures 1-8) are presented below as Exhibits.

Work Projected for Next Month: Demobilization and final site cleanup will be conducted during the middle of December once the County has signed off on the project. Final reporting will then be done by the end of December with final grant reimbursement requests submitted shortly thereafter.

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*:		
ConTech - Invoice 1 (deposit):	\$56,117	
ConTech - Invoice 2 (shipping):	\$23,000	
ConTech - Invoice 3 (final):	\$96,372	
Peter Lapidus Construction - Invoice 1:	\$255,280	
Peter Lapidus Construction - Invoice 2:	\$165,350	
Fugro (Geotech):	\$3,138	
Krazan (material testing) - Invoice 1:	\$2,012	
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:	\$628,552	\$6,744
Balance to Finish, Plus Retention:	\$162,520	
% Spent of Estimated Costs:	79%	
*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: Bridge delivery.



Figure 3: Bridge installation.



Figure 4: Bridge installation.



Figure 5: Bridge installation.

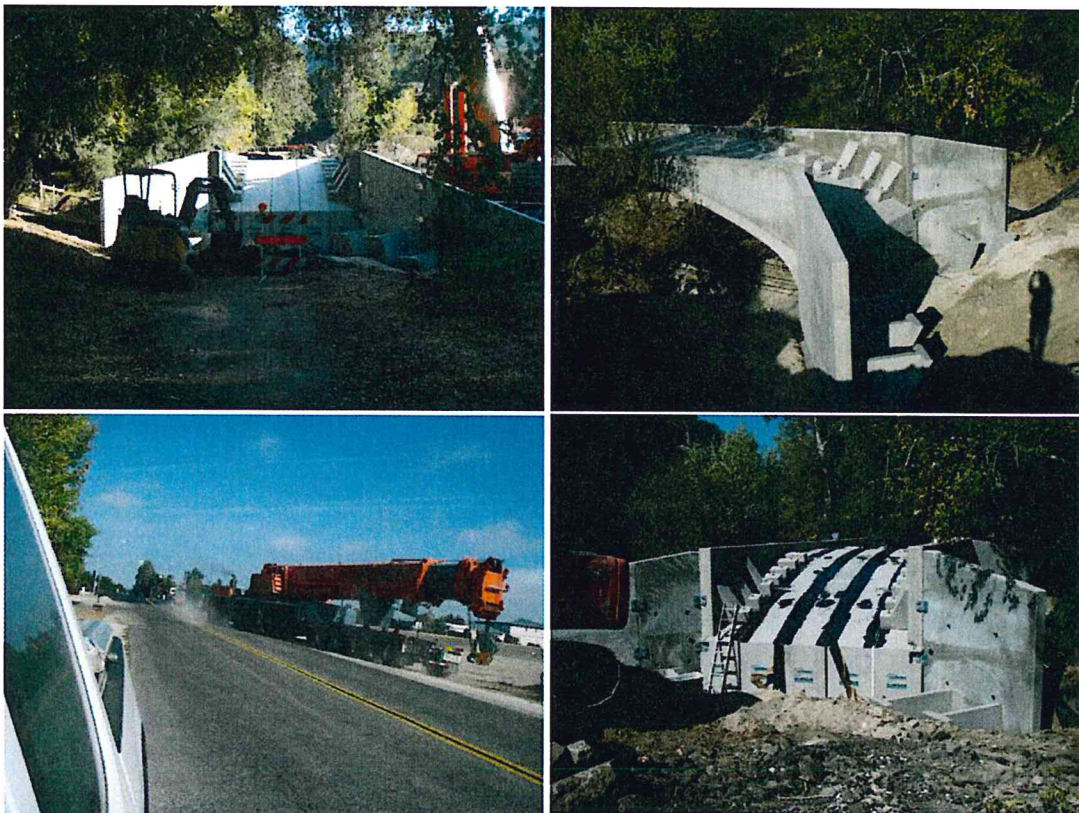


Figure 6: Bridge installed and crane leaving.



Figure 7: Backfilling the arches and soil anchors.



Figure 8: Final streambed alignment and road base installation.

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	December 9, 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. For the month of November, staff focused on the annual fall inventory of all oak trees (Year 1 through Year 6). Once the database is finalized for the year, the Oak Tree Program Committee will receive a status report on the number of alive/dead trees and staff will provide recommendations on where the focus of maintenance activities should be in 2014. Staff also conducted cage maintenance on Year 3 and Year 4 oak trees, as well as mulching Year 1 oak trees at Storke Flat during November.

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	Nov 2013
Year 6 Oaks (2010-2011)	Cage maintenance Irrigated	Irrigated Hand weeded	Cage maintenance Road maintenance	Cage maintenance Mulching	Irrigated	Inventory
Year 5 Oaks (2009-2010)	Irrigated	Irrigated		Cage maintenance Irrigated Mulching	Irrigated Mulching	Inventory
Year 4 Oaks (2008-2009)	Irrigated			Cage maintenance Irrigated* Mulching	Irrigated* Mulching	Inventory Cage maintenance
Year 3 Oaks (2007-2008)	Irrigated			Cage maintenance Irrigated* Mulching	Irrigated* Mulching	Inventory Cage maintenance
Year 2 Oaks (2006-2007)	Irrigated	Irrigated*	Irrigated* Cage maintenance Road maintenance	Cage maintenance Mulching		Inventory
Year 1 Oaks (2005-2006)	Irrigated	Irrigated*	Irrigated* Cage maintenance Road maintenance	Cage maintenance Mulching		Inventory Mulching
*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: December 09, 2013
TO: Board of Directors
FROM: Randall Ward, General Manager
RE: ENGINEERING & OPERATIONS REPORT

Engineering

Air Valve Replacement

COMB performed an Ultrasonic Test (UT) and Radiography Test (RT) on four of the Air Valve structures in the Montecito Reach that are susceptible to rainwater intrusion. These structures include (stations 352+07, 411+41, 442+50, 495+30). The purpose of performing this test is to find out how badly the nozzles are corroded. Based on the test results and USBR comments COMB will determine how to reinforce the nozzles before there is further physical action put on those AVAR structures.



Station 495+30



Station 352+07

Encroachments

The Operations Division is in the process of updating the COMB Encroachment Policy and Procedure. Once approved by the Board, the updated policy will ensure consistent encroachment permit review. The new policy will include a fee schedule consistent with actual cost of COMB's permit review and issuance process. Additionally, COMB staff has cooperatively worked with the County of Santa Barbara to ensure COMB's facilities are considered as part of the County's permitting process. COMB's General Manager has met with the County to discuss this cooperative endeavor. The County will be utilizing a computer assisted overlay of COMB's Easement on parcel maps as pictured below.



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 November was 2603.7 acre-feet for an average daily flow of 86.79 acre-feet. The lake elevation was 706.86 feet at the beginning of the month and 704.39 feet at the end. The storage change decreased 4,264 acre-feet. CCWA 114.6 acre-feet water was wheeled through to Cachuma Project facilities.

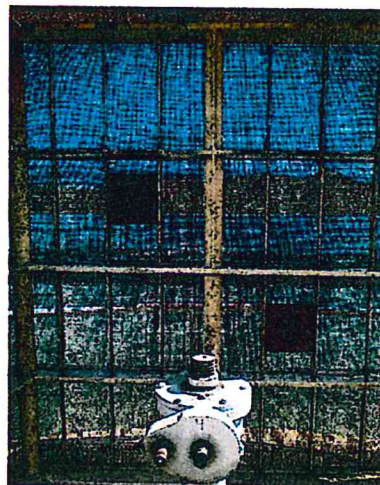
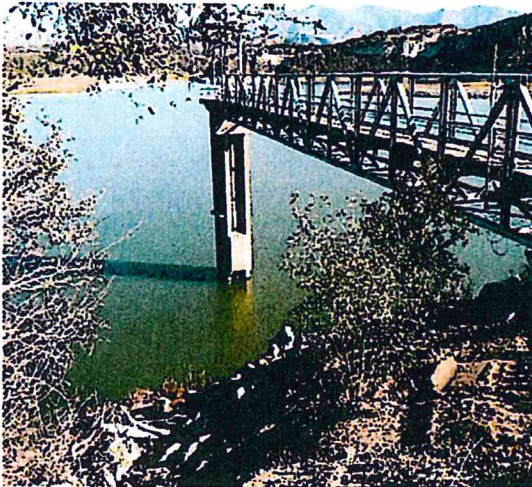
Operation and Maintenance Activities

COMB Staff continues to perform these duties as outlined:

- Weekly Safety Meetings
- Quagga Mussel training
- PAPA (Pesticide application Professional Association) Seminar & Training
- Rodent Bait
- Weed Abatement (All sites)
- Toe Drain and Piezometer reads at Ortega (L23)
- Dam inspection and reports (All Reservoirs)
- Watering Oak trees behind Lauro Reservoir
- Service ground equipment
- Structure maintenance
- USA Dig Alert
- Pesticide report to County of Santa Barbara

COMB Crew performed other activities such as:

- Inspect degenerator box at Carpinteria
- Clean intake tower fish screens. (see below)

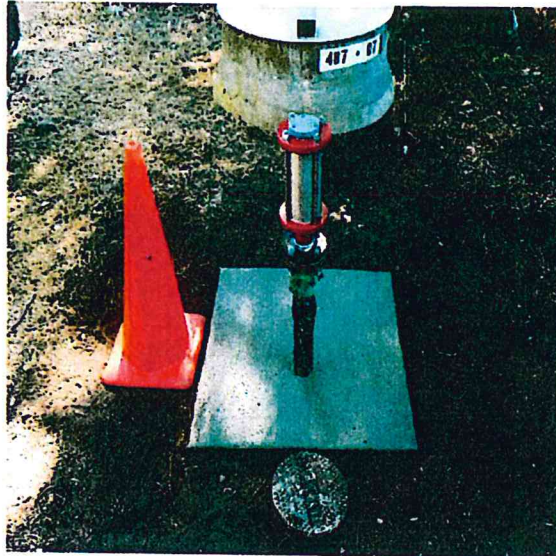


- Performed assessment of Sheffield drain system, due to a clog in the drain system
- Fence repaired at Glen Anne Reservoir Area

- Upgrade Air Valve/Air Release Valve (AVAR) at East Valley Golf Club (see pics below)



(before)



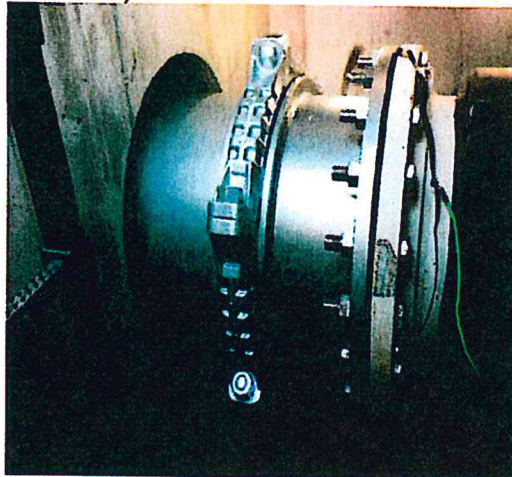
(after)

- Painting pipes at Lauro and Ortega valve pits (see below)

(Inflow meter at Ortega reservoir)



(before)



(after)

- Re-install calibrated boundary meter
- State of California's inspection comments on the North Portal elevator were fixed and COMB obtained a conveyance permit
- Assisted CVWD with a line shut down at Lateral 15 for repair and maintenance

CACHUMA OPERATION AND MAINTENANCE BOARD

BOARD MEMORANDUM

DATE: December 9, 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 fall survey will be conducted in November and early December of this year. The full results will be presented in the Annual Monitoring Report. 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. The project should be completed by the middle of December. 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: The ranch cattle operation has been recently leased to a new company who are willing to work with us on implementing this project. Staff is in final negotiations with the managers of the property to clarify details and implement the project. COMB has received a \$16,703 grant for the project through the Fish America Foundation. The project was approved and the grant accepted by the COMB Board (Resolution 561) on 3/25/13 after review and recommendation for approval by the COMB Board Fisheries Committee. The project was also reviewed by the COMB Board Administrative Committee on 11/26/13. We hope to implement the project by the end of January, 2014.

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 and ended on 12/1/13 at 2:00 PM; 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		8,841	
Total:	8,942	14,118	3,665
* Originally was 9,200 and as of 2008 it is 8,942.			
** Values as of 11/30/13.			
*** 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 two invited talks this past month at the, 1) Annual Meeting of the California Association of Resource Conservation Districts in Napa on 11/14/13 entitled Southern Steelhead within the Santa Ynez River, and 2) Orchard Pre-School in Ventura on 11/22/13 on the State of Southern Steelhead in California.

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.

13-14 ENTITLEMENT

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

(All in rounded Acre Feet)

				MONTH TOTAL			YTD TOTAL
WATER PRODUCTION:							
Cachuma Lake (Tec. Diversion)				3,343			3,343
Tecolote Tunnel Infiltration				113			113
Glen Anne Reservoir				0			0
Cachuma Lake (County Park)				6			6
State Water Diversion Credit				863			863
Bishop Ranch Diversion				0			0
Meter Reads				2,587			2,587
So. Coast Storage gain/(loss)				(16)			(16)
Total Production				3,463			3,463
Total Deliveries				3,435			3,435
Unaccounted-for				28			28
% Unaccounted-for				0.81%			0.81%
WATER USE:							
	GWD	SB CITY	MWD	CVWD	SYRWCD I.D. #1	TOTAL	
M&I	822	1,168	0	129	6	2,125	
Agricultural	315		0	147		462	
TOTAL FOR MONTH	1,137	1,168	0	276	6	2,587	
Same Mo/prev. yr	1,255	991	465	316	4	3,031	
M&I Yr to date	822	1,168	0	129	6	2,125	
Ag. Yr to date	315	0	0	147	0	462	
TOTAL YTD	1,137	1,168	0	276	6	2,587	
USAGE % YTD	11.8%	10.6%	0.2%	9.1%	0.4%	8.7%	
Previous Year/YTD	1,255	991	465	316	4	3,031	
Evaporation	2	23	7	2	4	38	
Evaporation, YTD	2	23	7	2	4	38	
Entitlement	9,322	8,277	2,651	2,813	2,651	25,714	
Carryover	216	2,677	782	179	475	4,329	
Carryover Balances Spilled YTD	0	0	0	0	0	0	
Surplus^^	0	0	0	0	0	0	
State Water Exchange^	119	0	159	53	(331)	0	
Transfers/Adjustment *	0	293	(293)	0	0	0	
Passthrough H2O**	0	0	0	0	0	0	
TOTAL AVAILABLE	9,657	11,247	3,299	3,045	2,795	30,043	
REMAINING BALANCE	8,517	10,056	3,292	2,767	2,785	27,417	

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

State Water Deliveries for October to Lake Cachuma were: MWD 627 AF; CVWD 200 AF

GWD 0 AF (Morehart 0 AF); City of S.B. 0 AF; and LaCumbre 100 AF; (Ratheon 0 AF).

^ Per SWP Exchange Agrmt GWD received 119 AF; MWD received 159 AF;

City of SB received 0 AF; and CVWD received 53 AF from ID#1 in October 2013.

* Transfer per Juncal agreement October 2013

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

Contract Year: 10/1/13 to: 9/30/14

Contract Entity: Goleta Water District
 Last updated by C.O.M.B. 10/31/13

Month	Approved Schedule Current Year		Approved Schedule Previous Year		TOTAL WATER USED			WATER USED CHARGED TO CARRYOVER BALANCES			WATER USED CHARGED TO CURRENT ENTITLEMENT				
	9322	216	216	216	M & I	Agri	Total	Evap	Div	Total	M & I	Agri	Total		
Oct					822	315	1,137	2	214	216	156	60	667	256	923
Nov															
Dec															
Jan															
Feb															
Mar															
Apr															
May															
Jun															
Jul															
Aug															
Sep															
Total	9322	216	216	216	822	315	1,137								

STORAGE WATER M & I 156 Agr -156
 CONVERSIONS CURRENT SCHEDULE M & I 0

Month	SCHEDULES AND REVISIONS		SCHEDULES AND REVISIONS		Total
	M & I	AG	M & I	AG	
Begin Bal	216	216	6,862	2,460	9,322
ID#1 Ex-119			119		119
Oct					0
Nov					0
Dec					0
Jan					0
Feb					0
Mar					0
Apr					0
May					0
Jun					0
Jul					0
Aug					0
Sep					0

Month	REMAINING BALANCES			Total
	M & I	AG	M & I	
Oct	0	0	6314	8518
Nov				
Dec				
Jan				
Feb				
Mar				
Apr				
May				
Jun				
Jul				
Aug				
Sep				
Total	0	0	2204	8518

TOTAL 8,518

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

Contract Year: 10/1/13 to: 9/30/14

Contract Entity: Montecito Water District
 Last updated by C.O.M.B. 10/31/13

Approved Schedule Current Year 2651
 Carryover Previous Year 782

Month	TOTAL WATER USED		WATER USED CHARGED TO CARRYOVER BALANCES				WATER USED CHARGED TO CURRENT ENTITLEMENT	
	M & I	Agri	Evap	Div	Total	M & I	Agri	Total
Oct	0	0	7	0	7	0	0	0
Nov								
Dec								
Jan								
Feb								
Mar								
Apr								
May								
Jun								
Jul								
Aug								
Sep								
Total	0	0	782	0	782	0	0	0

STORAGE WATER M & I 0 Agr 0
 CONVERSIONS CURRENT SCHEDULE M & I 0 Agr 0

Month	SCHEDULE AND REVISIONS		REMAINING BALANCES	
	M & I	Agri	M & I	Agri
Oct	782	470	775	0
Nov				
Dec				
Jan				
Feb				
Mar				
Apr				
May				
Jun				
Jul				
Aug				
Sep				
Total	782	470	775	0

Month	WATER USED CHARGED TO CARRYOVER BALANCES		WATER USED CHARGED TO CURRENT ENTITLEMENT	
	M & I	Agri	M & I	Agri
Oct	0	0	0	0
Nov				
Dec				
Jan				
Feb				
Mar				
Apr				
May				
Jun				
Jul				
Aug				
Sep				
Total	0	0	0	0

TOTAL 3,292

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

Contract Year: 10/1/13 to: 9/30/14

Contract Entity: Santa Ynez River Water Conservation District, ID#1
 Last updated by C.O.M.B. 10/31/13

Approved Schedule
 Current Year 2851
 Carryover Previous Year 475

Month	TOTAL WATER USED		WATER USE CHARGED TO CARRYOVER BALANCES				WATER USE CHARGED TO CURRENT ENTITLEMENT	
	M & I	Agr	Evap	Div	Total	M & I	Agr	Total
Oct	6	0	4	6	11	11	0	0
Nov	0	0						
Dec	0	0						
Jan	0	0						
Feb	0	0						
Mar	0	0						
Apr	0	0						
May	0	0						
Jun	0	0						
Jul	0	0						
Aug	0	0						
Sep	0	0						
Total	6	0						

STORAGE WATER
 M & I 0
 Agr 0

CONVERSIONS
 CURRENT SCHEDULE
 M & I 0
 Agr 0

Month	SCHEDULE AND REVISIONS	
	M & I	Agr
Begin Bal	863	1,788
Ex crwd-53/gwd-119/city-0/mwd-159	(66)	(265)
	16	459
Total	475	475

Month	COUNTY PARKS		REMAINING BALANCES	
	M & I	Agr	M & I	Agr
Oct	6.37	5	796.8	1523.2
Nov				
Dec				
Jan				
Feb				
Mar				
Apr				
May				
Jun				
Jul				
Aug				
Sep				
Total	6.37	5	796.8	1523.2

*NOTE:

TOTAL 2,784

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

Contract Entity: Santa Barbara Co. Water Agency
 Last updated by C.O.M.B. 10/31/13
 Contract Year: 10/1/13 to: 9/30/14

Month	TOTAL WATER USED		WATER USED CHARGED TO CARRYOVER BALANCES			WATER USED CHARGED TO CURRENT ENTITLEMENT		
	Use %	Acre-feet	Evap	Div	Allocation	M & I	Agr	Total
Approved Schedule Current Year	25714	4329						
Carryover Previous Year								
Oct	8.74%	2,125	38	1,566	1,604	1,449	155	1,021
Nov		0						
Dec		0						
Jan		0						
Feb		0						
Mar		0						
Apr		0						
May		0						
Jun		0						
Jul		0						
Aug		0						
Sep		0						
Total		2,125	462	1,566	1,604	1,449	155	1,021

Month	STORAGE WATER		CURRENT SCHEDULE		CONVERSIONS		SCHEDULE AND REVISIONS		
	M & I	Agr	M & I	Agr	M & I	Agr	M & I	Agr	Total
Begin Bal									
Oct	240	-240	0	0	3,014	1,324	19,401	6,313	25,714
Nov					0	0	212	(212)	0
Dec					0	0	0	0	0
Jan					0	0	0	0	0
Feb					0	0	0	0	0
Mar					0	0	0	0	0
Apr					0	0	0	0	0
May					0	0	0	0	0
Jun					0	0	0	0	0
Jul					0	0	0	0	0
Aug					0	0	0	0	0
Sep					0	0	0	0	0
Total	240	-240	0	0	3,014	1,324	19,401	6,313	25,714

Month	COUNTY PARKS A.F. Used		REMAINING BALANCES	
	M & I	Agr	M & I	Agr
Oct	6.37	459	1491	5528
Nov				
Dec				
Jan				
Feb				
Mar				
Apr				
May				
Jun				
Jul				
Aug				
Sep				
Total	6.37	459	1491	5528

TOTAL 27,418

CACHUMA OPERATION AND MAINTENANCE BOARD

WATER STORAGE REPORT

MONTH: **October 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	546.80 Feet
Water in Storage	545.79 Acre Feet

ORTEGA RESERVOIR

Capacity at 460' elevation:	65 Acre Feet
Capacity at outlet at elevation 440':	0 Acre Feet
Stage of Reservoir Elevation	450.30 Feet
Water in Storage	30.30 Acre Feet

CARPINTERIA RESERVOIR

Capacity at 384' elevation:	45 Acre Feet
Capacity at outlet elevation 362':	0 Acre Feet
Stage of Reservoir Elevation	376.30 Feet
Water in Storage	26.37 Acre Feet

TOTAL STORAGE IN RESERVOIRS

Change in Storage	602.46 Acre Feet
	-15.57 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	706.86 Feet
Water in Storage	86,021 AF
Area	1,759
Evaporation	551.7 AF
Inflow	121 AF
Downstream Release WR8918	2701.9 AF
Fish Release (Hilton Creek)	402.0 AF
Outlet	0.0 AF
Spill/Seismic Release	0 AF
State Project Water	927.1 AF
Change in Storage	-5,900 AF
Tecolote Diversion	3,343.2 AF

Rainfall: Month: 0.34 Season: 0.36 Percent of Normal: 40%

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

MONTH	DELVRD TO LAKE	Delvd to Lake	CVWD Stored	Delvd to SC	Transf to MW	Delvd to Lake	MWD Stored	Evap/Spill	Delvd to SC	Delvd S.B. to Lake	Delvd to SC	GWD Stored	Delvd to Lake	Delvd to SC	LCMWC Stored	Evap/Spill	Delvd to Lake	Delvd to SC	RSYS Stored	Delvd to Lake	Delvd to SC	MLC Stored	Delvd to Lake	Delvd to SC	
2012																									
Bal. Frwd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January	20	0	0	0	0	0	0	0	0	0	0	0	20	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	15	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	50	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	25	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	23	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	36	0	0	0	0	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	64	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	34	0	0	0	0	0	0
September	100	0	0	0	0	0	0	0	0	0	0	0	100	0	55	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	-55	0	0	0	0	0	0	0	0	0	0
November	50	0	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	383	0	0	0	0	0	0	0	0	0	0	0	349	0	0	0	0	0	34	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 to Lake	CVWD Stored	Delvd to SC	Transf to MW	Delvd to Lake	MWD Stored	Evap/Spill	Delvd to SC	Delvd S.B. to Lake	Delvd to SC	GWD Stored	Delvd to Lake	Delvd to SC	LCMWC Stored	Evap/Spill	Delvd to Lake	Delvd to SC	RSYS Stored	Delvd to Lake	Delvd to SC	MLC Stored	Delvd to Lake	Delvd to SC	
2013																									
Bal. Frwd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	216	0	0	0	0	0	0	0	136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	217	0	0	0	0	0	0	0	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	641	0	0	0	0	0	0	0	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	922	50	0	0	0	0	0	0	525	0	0	500	0	0	91	0	0	0	0	0	0	0	0	0	0
October	927	200	0	0	0	0	0	0	563	0	0	297	0	0	50	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	81	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2978	250	0	250	0	1426	0	0	1362	0	0	797	505	444	0	424	0	0	0	0	0	0	0	0	0

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

DECEMBER 2013

LAKE CACHUMA DAILY OPERATIONS

RUN DATE: December 4, 2013

DAY	ELEV	STORAGE		COMPUTED* INFLOW AF.	CCWA INFLOW AF.	PRECIP ON RES. SURF. AF.	RELEASE - AF.				EVAP AF.	PRECIP INCH INCHES	
		ACRE-FEET IN LAKE	CHANGE				TUNNEL	HILTON CREEK	OUTLET	SPILLWAY			
	704.39	81,757											
1	704.35	81,689	-68	8.5	1.5	.0	52.5	7.5	9.0	.0	9.0	.096	.00
2	704.30	81,604	-85	-10.1	9.4	.0	66.3	7.5	1.0	.0	9.5	.102	.00
3	704.26	81,536	-68	-4.6	11.0	.0	63.6	7.5	.0	.0	3.3	.035	.00
4	704.21	81,451	-85	-1.1	7.6	.0	71.2	7.5	.0	.0	12.8	.137	.00
TOTAL (AF) (AVG)		81,570	-306	-7.3	29.5	.0	253.6	30.0	10.0	.0	34.6	.370	.00

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.

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

NOVEMBER 2013

LAKE CACHUMA DAILY OPERATIONS

RUN DATE: December 1, 2013

DAY	ELEV	STORAGE		COMPUTED* INFLOW AF.	CCWA INFLOW AF.	PRECIP ON RES. SURF. AF.	RELEASE - AF.				EVAP		PRECIP INCHES	
		ACRE-FEET IN LAKE	CHANGE				TUNNEL	HILTON CREEK	OUTLET	SPILLWAY	AF.	INCH		
	706.86	86,021												
1	706.78	85,881	-140	11.6	4.3	.0	87.5	7.6	45.0	.0	15.8	.150	.00	
2	706.69	85,724	-157	9.4	1.8	.0	100.1	7.6	45.0	.0	15.5	.147	.00	
3	706.59	85,549	-175	-6.6	0.0	.0	100.7	7.9	47.0	.0	12.8	.122	.00	
4	706.50	85,392	-157	4.5	0.0	.0	98.5	7.6	44.0	.0	11.4	.109	.00	
5	706.41	85,234	-158	-5.3	0.0	.0	84.4	7.6	45.0	.0	15.7	.150	.00	
6	706.32	85,077	-157	3.7	0.0	.0	92.4	7.6	45.0	.0	15.7	.150	.00	
7	706.21	84,884	-193	1.8	0.0	.0	118.5	7.6	53.0	.0	15.7	.150	.00	
8	706.10	84,692	-192	16.1	0.0	.0	132.3	7.6	53.0	.0	15.2	.146	.00	
9	705.99	84,500	-192	-11.9	0.0	.0	106.5	7.5	52.0	.0	14.1	.135	.00	
10	705.90	84,345	-155	14.2	0.0	.0	93.0	7.5	53.0	.0	15.7	.151	.00	
11	705.80	84,172	-173	-11.8	0.0	.0	83.0	7.3	59.0	.0	11.9	.115	.00	
12	705.70	84,000	-172	11.9	0.0	.0	104.7	7.4	61.0	.0	10.8	.104	.00	
13	705.60	83,828	-172	0.5	0.0	.0	95.8	7.5	61.0	.0	8.2	.079	.00	
14	705.50	83,656	-172	20.5	0.0	.0	109.6	7.4	60.0	.0	15.5	.150	.00	
15	705.40	83,483	-173	26.4	0.0	.0	120.0	7.4	61.0	.0	11.0	.107	.00	
16	705.30	83,311	-172	-1.9	0.0	.0	91.5	7.5	61.0	.0	10.1	.098	.00	
17	705.19	83,121	-190	-29.7	0.0	.0	86.0	7.5	60.0	.0	6.8	.066	.00	
18	705.12	83,001	-120	26.4	0.0	.0	70.6	7.5	61.0	.0	7.3	.071	.00	
19	705.02	82,828	-173	-9.1	0.0	.0	90.0	7.5	60.0	.0	6.4	.062	.00	
20	704.94	82,692	-136	17.5	0.0	1.4	80.7	7.5	61.0	.0	5.7	.056	.01	
21	704.89	82,607	-85	-14.6	0.0	94.0	89.6	7.4	61.0	.0	6.4	.062	.66	
22	704.82	82,488	-119	24.2	0.0	1.4	89.3	7.5	46.0	.0	1.8	.018	.01	
23	704.75	82,369	-119	1.6	0.0	4.3	66.6	7.5	42.0	.0	8.8	.086	.03	
24	704.68	82,250	-119	-4.3	0.0	.0	59.3	7.5	42.0	.0	5.9	.058	.00	
25	704.63	82,165	-85	-1.5	23.9	.0	48.5	7.6	42.0	.0	9.3	.091	.00	
26	704.57	82,063	-102	-1.8	23.8	.0	62.3	7.5	43.0	.0	11.2	.110	.00	
27	704.52	81,978	-85	36.7	14.9	.0	71.5	7.5	42.0	.0	15.6	.153	.00	
28	704.46	81,876	-102	10.4	15.5	.0	63.2	7.4	42.0	.0	15.3	.150	.00	
29	704.43	81,825	-51	-5.2	15.2	60.8	60.2	7.4	42.0	.0	12.2	.120	.43	
30	704.39	81,757	-68	0.1	15.2	.0	47.4	7.5	24.0	.0	4.4	.043	.00	
TOTAL (AF)			-4,264	133.8	114.6	161.9	2,603.7	225.4	1,513.0	.0	332.2	3.209	1.14	
(AVG)		83,558												

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: **OCTOBER 2013****

CACHUMA LAKE BOAT LAUNCH DATA:

Cachuma Lake Recreation Area Boat Launch Data -- OCTOBER 2013		
Inspection Data		
Total Vessels entering Park	233	
Total Vessels launched	231	
Total Vessels Quarantined	2	1%
Returning with Boat Launch Tag	135	58%
Arriving new: Inspected, washed	47	20%
Kayak/Canoe: Inspected	49	21%
4-stroke engines	51	22%
2-strokes, w/CARB star ratings	75	32%
2-strokes, NO emissions ratings	56	24%

Boat Launch Tags: Cachuma Lake Boat Launch Tags are 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 October 31, 2013.

Quarantine Data		
Total Vessels Quarantined	2	
Quarantined 7 days	0	
Quarantined 14 days	2	

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

Demographic Data		
Quarantined from infected county	2	
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 : 2013.10.18; 1000 – 1400 PDT
 Method: 12 PVC/Cement Sampling Stations; 256 linear feet of line
 Surveyors: Liz Gaspar (Parks Division, CSD), Brandon Johns, Keith Yaeger (Sea Grant).
 Lake Elevation: 708.19 from maximum of 753 feet