

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

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

Monday, May 23, 2011

2:00 p.m.

AGENDA

- 1. COMB CALL TO ORDER, ROLL CALL** (COMB Board of Directors.)
- 2. PUBLIC COMMENT** (Public may address the Board on any subject matter not on the agenda and within the Board's jurisdiction. See "Notice to the Public" below.)
- 3. CONSENT AGENDA** (For Board action by vote on one motion unless member requests separate consideration.)
 - a. Minutes
 - April 25, 2011 Regular Board Meeting and May 16, 2011 Special Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Payment of Claims
- 4. REPORTS FROM BOARD COMMITTEES**
 - a. **Verbal:** Administration Committee
 - b. **Verbal:** Reorganization Committee
- 5. SANTA YNEZ RIVER RIVERWARE MODEL PEER REVIEW**
- 6. FISHERIES DIVISION ACTIVITIES**
 - a. Clarification Regarding NMFS Letter for Biological Opinion Coverage for Quiota Creek Projects
 - b. Fisheries Program Report
 - c. **Verbal:** Quiota Creek Projects Update
 - d. **Verbal:** Report on California Society for Ecological Restoration Conference, San Diego, May 10-12, 2011
 - e. **Verbal:** Presentation at Anacapa School, May 2, 2011
- 7. PROPOSED PRELIMINARY FY 2011-2012 COMB BUDGET**
- 8. OPERATIONS DIVISION ACTIVITIES**
 - a. Operations Report

9. **REPORTS FROM THE MANAGER**

- a. **Verbal:** Update on Modified Upper Reach Reliability Project and Status of ID No. 1 Indemnification Agreement
- b. Cachuma Water Reports
- c. Cachuma Reservoir Current Conditions
- d. Lake Cachuma 2011 Spill Accounting
- e. Operating Committee Draft Minutes, May 4, 2011
- f. Quagga Mussel Reports, March & April 2011

10. **DIRECTORS' REQUEST FOR AGENDA ITEMS FOR NEXT MEETING**

11. **MEETING SCHEDULE**

- Trust Fund/Renewal Fund Committee and Cachuma Betterment Fund Meeting, May 25, 2011 2:00 P.M., COMB Office
- Reorganization Ad Hoc Committee Meeting, June 6, 2011, 1:00 p.m. at the Water Resources Conference Room
- COMB Board Meeting, June 27, 2011 2:00 P.M., COMB Office
- Board Packages Available on COMB Website
www.cachuma-board.org

12. **[CLOSED SESSION]**

- a. **Public Employee Appointment [Government. Code Section 54957]
Title: New General Manager**
- b. **Public Employment [Government Code Section 54957]
Title: New General Manager**
- c. **Conference With Labor Negotiators [Government Code Sec. 54957.6]
Agency Designated Representative: Board President
Unrepresented Employee: New General Manager**

13. **COMB ADJOURNMENT**

NOTICE TO PUBLIC

Public Comment: Any member of the public may address the Board on any subject within the jurisdiction of the Board that is not scheduled for a public hearing before the Board. The total time for this item will be limited by the President of the Board. If you wish to address the Board under this item, please complete and deliver to the Secretary of the Board before the meeting is convened, a "Request to Speak" forms including a description of the subject you wish to address.

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

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

MINUTES OF A REGULAR MEETING
Of the
CACHUMA OPERATION & MAINTENANCE BOARD
Held at the
Cachuma Operation & Maintenance Board Office
3301 Laurel Canyon Road, Santa Barbara, CA
Monday, April 25, 2011

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

Others present:

Kate Rees	Tony Trembley
Jim Colton	Adelle Capponi
John McInnes	Charles Hamilton
Sonja Fernandez	John McInnes
Ruth Snodgrass	Janet Gingras
Phil Walker	Harlan Burchardi
Tim Robinson	Sarah Horwath
Chris Dahlstrom	

2. Public Comment

Phil Walker made comments regarding weed abatement, oil seepage and seismic activity and also the Gibraltar watershed and reservoir capacity.

3. [Closed Session] Conference with Board Regarding General Manager's Retirement Matters, Pursuant to Government Code Section 54957

President Hanson announced that it was not necessary to have closed session regarding the General Manager's retirement matters.

Ms. Rees reported that she had a question with regard to sick leave payout at retirement. COMB's policy is 100% payout of unused sick leave after more than 20 years of service or 50% payout after six years, but less than 20 years of service. The question was whether her 20 years of CalPERS service credit would apply to COMB's 100% payout for unused sick leave. Mr. Trembley, General Counsel responded that the CalPERS service credits did not apply to the policy of COMB.

4. Consent Agenda

a. **Minutes:**

March 28, 2011 Regular Board Meeting

Ms. Rees reported that at the March meeting as stated in the minutes, the Directors had requested clarification of the intent of the NMFS letter, Item 9-i. She reported that she has been trying to set up a conference call with NMFS and Reclamation but to date she has been unable to do so. She will report back to the Board at a later date to follow up with their request.

b. **Investment Funds**

Financial Reports
Investment Report

c. **Payment of Claims**

Director Morgan requested the Summers Engineering invoice be pulled from the payment of claims in order for staff to look into a possible error.

Director Beebe moved to approve the consent agenda pulling the Summers Engineering invoice from the payment of claims, seconded by Director Francisco, passed 7/0/0.

5. Reports From Board Committees

a. **General Manager Search and Transition Ad Hoc Committee**

President Hanson reported that the Ad Hoc Committee had interviewed 9 candidates for COMB's General Manager on April 15th. The Ad Hoc Committee has selected 3 strong applicants for a full Board interview, possibly May 16, 2011.

6. Reorganization Issues

a. **Report on Reorganization Ad Hoc Committee Meeting April 15, 2011**

- **Status of Draft Amendment to COMB JPA**
- **Status of Draft Agreement Between ID1, CCRB and COMB for Implementation of Certain Sections of the 2001 Fisheries MOU**

Ms. Rees highlighted the Reorganization meeting that was held April 15. The purpose of the meeting was to go over the Draft Amendment to the COMB JPA and the Draft Agreement between ID #1, CCRB and COMB for implementation of certain sections of the 2001 Fisheries MOU. Revised agreements will be prepared and distributed. Another Reorganization meeting has been scheduled May 20th to review these agreements.

b. **Revised Timeline to Complete Reorganization**

Ms. Rees included in the board packet a timeline to complete reorganization. Once the agreements are completed the COMB JPA needs to be approved by the Member Unit agencies and the revised Fisheries MOU implementation would be approved by the Boards of ID #1, CCRB and COMB.

7. Santa Ynez River RiverWare Model Peer Review

Ms. Rees recommended that COMB be used as the funding agency for all five Member Units for the peer review of the RiverWare Model. Up to now the development of the model has been funded through CCRB and ID #1 on behalf of the Member Units. Due to the reorganization of CCRB and COMB, all activities except the State Board water rights hearing and the Biological Opinion reconsultation activities were moved into COMB. COMB will be using the model for river flow modeling associated with the ongoing SYR Fisheries Program.

The ID #1 Board stated objection to the transfer of the RiverWare model and the associated review and funding of the activities to COMB and feels the funding should remain with CCRB. The stated that the hydrology model is directly related to historic and current water rights decisions, activities and actions and COMB is not an engaged agency in those matters. A letter from ID #1 Board President Dennis Beebe expressing their objection was circulated.

Director Morgan moved that the SYR RiverWare peer review should be carried out and funded through COMB, seconded by Director Lieberknecht, passed 6/1/0
Director Beebe voted no.

The SYR Hydrology Committee decided that a local peer review was needed to evaluate how well the model accurately represents the actual physical parameters, inputs, and flows in the SYR system. The SYRWCD will contract for the downstream local peer reviewer. The goal is to have one report produced by the two reviewers and recommendations that they agree on. Two consultants are interested in providing a proposal for the south coast peer review. A draft RFP has been written and circulated for comments. Ms. Rees would like to send the RFP to the consultants as soon as possible and is recommending that the Board authorize the General Manager to enter into a contract with the selected local south coast consultant to carry out the review of the RiverWare Model.

Director Francisco moved to authorize the General Manager to enter into a contract with the selected local south coast consultant to carry out a local peer review of the SYR RiverWare Model, seconded by Director Hanson, passed 6/0/1, Director Beebe abstained.

The money to pay for the peer review will be included in the FY 2011-12 COMB Budget.

8. Fisheries Division Activities

a. Staff Presentation: Fish Scale Analysis

The staff presentation was made by Tim Robinson and Sarah Horwath. They highlighted their ongoing project of fish scale analysis collected during the trapping season.

b. Quiota Creek Tributary Projects Updates

Tim Robinson updated the Board on the Quiota Creek Tributary Projects.

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c. Quiota Creek Projects Meeting with County Public Works Director, April 11, 2011

Ms. Rees reported on the meeting she, Tim Robinson and Tom Mosby had with the County Public Works Director. The purpose of the meeting was to discuss cooperation between COMB and the County with regard to design review, encroachment permit requirements, and overall assistance by the County to complete these required Biological Opinion projects. Ms. Rees felt it was a good meeting and the County was clear in their desire to cooperate on the Quiota Creek projects. It was acknowledged that once the County signs off on the encroachment permits, it would assume 100% liability for the bridges and the roadway. They do need to be sure that certain standards are met in the design and construction.

d. Preliminary FY 2011-12 Cachuma Betterment Fund Meeting with County, April 11, 2011

Ms. Rees met with Tom Fayram and Matt Naftaly from the County Water Agency to discuss how to distribute the \$100,000 Cachuma Betterment Fund for FY 11-12. After discussion the recommended use of the Cachuma Betterment Fund was:

\$ 75,000 Fish USGS Stream Gauge Program in the Santa Ynez River
\$ 10,000 Water Agency Stream Gauge Program in the Santa Ynez River
\$ 15,000 Fisheries Monitoring Program

Director Beebe moved that the Board authorize Ms. Rees to concur with the County Water Agency on the distribution of the County's Cachuma Betterment Fund of \$100,000 for FY 11-12, seconded by Director Francisco, passed 6/1/0. Director Morgan voted no.

e. Fisheries Program Report

The monthly Fisheries Report was included in the board packet.

9. Modified Upper Reach Reliability Project

a. State Water Board's Informal Acceptance of Modified Upper Reach Reliability Project to Replace the SCC 2nd Pipeline Project for Use of Prop 50 Grant and Staff Schedule

Ms. Rees reported that the Water Board Prop 50 Project Managers have agreed to allow COMB to replace the 2nd Pipeline Project with the Modified Upper Reach Reliability Project and still receive the full \$3.2 million in Prop 50 grant funds.

b. Revised Modified Upper Reach Reliability Project ("Plan B")

Included in the board packet was a list of all the Modified Project components and a project schedule that shows the timing of the various components that will be carried out over the next two fiscal years, as well as some preliminary design work before June 30th of this fiscal year. Staff requests approval of the Modified Upper Reach Reliability Projects and schedule as presented.

After discussion, the Board determined that the COMB Board would consider approval of the Modified Upper Reach Reliability Project after ID#1 and

COMB have approved an Indemnification Agreement. The project approval should be ready for COMB Board approval at the May meeting.

c. AECOM's Proposed Scope of Work

Staff has worked with AECOM on a more comprehensive Scope of Work for the project. Jim Colton reviewed the components of the task order for the Board. Staff requests approval of AECOM's Task Order No. 37, and authorization to proceed with preliminary designs.

Director Francisco moved to approve the expenditures outlined in AECOM's Task Order No. 37 for the current Fiscal Year, seconded by Director Lieberknecht, passed 6/0/1, Director Beebe abstained.

d. Project Schedule

A project schedule was included in the board packet for information.

e. Potential Bid Options for Modified Upper Reach Reliability Project

The Board requested that Ms. Rees discuss the bid options with the managers at the next Operating Committee meeting.

10. Operations Division Activities

a. Lauro Detention Basin Enlargement – 2010 Annual Monitoring Report

The annual report was included in the board packet for information.

b. Operations Report

The Operations Report for the month of March was included in the board packet.

Director Morgan reported on water that had been flowing into Ortega Reservoir. Mr. Colton reported that the water had been chlorinated so it did come out of the SCC, they checked the valves, looked for cracks and fittings. His findings were inclusive as to the cause of the flow. Director Morgan requested that COMB contact their insurance carrier for coverage.

11. Reports From the Manager

a. Cachuma Water Reports

The monthly water reports were included in the board packet.

b. Cachuma Reservoir Current Conditions

The daily operations report for Lake Cachuma through April 20, 2011 was included in the board packet.

c. Lake Cachuma 2011 Spill

Ms. Rees reported that she had spoken with Ed Salazar, Reclamation and he had indicated that the spill would probably end about May 10, 2011.

d. Association of Water Agencies of Ventura County – The 19th Annual Water Symposium, April 21, 2011

Ms. Rees attended this symposium and had included the program outline in the board packet.

12. Directors' Request for Agenda Items for Next Meeting

President Hanson requested a RiverWare workshop in the near future.

13. Meeting Schedule

- The next regular Board meeting will be held May 23, 2011 at 2:00 P.M.

The Agendas and Board Packets are available on the COMB website, www.cachuma-board.org

14. COMB Adjournment

There being no further business, the meeting was adjourned at 5:29 p.m.

Respectfully submitted,

Kate Rees, Secretary of the Board

APPROVED:

Lauren Hanson, President of the Board

MINUTES OF A SPECIAL MEETING
of the
CACHUMA OPERATION & MAINTENANCE BOARD
held at
The Upham Hotel
Santa Barbara, CA
Monday, May 16, 2011

1. Call to Order, Roll Call

The meeting was called to order at 10:00 a.m. by President Lauren Hanson, who chaired the meeting. Those in attendance were:

Directors Present:

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

Others present

Charles Hamilton
John McInnes

2. Public Comment

There were no comments from the public.

3. [Closed Session] Conference With Legal Counsel Regarding Anticipated Litigation, Pursuant to Government Code Section 54956.9© (one case)

The Board went into closed session at 10:05 a.m. and came out of closed session at 2:20 p.m.

The report out of closed session was the Board gave direction to the Board President.

4. COMB Adjournment

There being no further business, the meeting was adjourned at 2:22 p.m.

Respectfully submitted,

Kate Rees, Secretary of the Board

APPROVED:

Lauren Hanson, President of the Board

sec.comb/boardminutes/05.16.2011COMB Minutes.doc

Approved _____

Unapproved _____ ✓

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COMB
Statement of Net Assets
As of April 30, 2011

April 30, 2011

		<u>April 30, 2011</u>
ASSETS		
Current Assets		
Checking/Savings		
TRUST FUNDS		
1210 · WARREN ACT TRUST FUND		114,049.57
1220 · RENEWAL FUND		15,050.85
Total TRUST FUNDS		<u>129,100.42</u>
1050 · GENERAL FUND		577,212.67
1100 · REVOLVING FUND		8,069.91
Total Checking/Savings		<u>714,383.00</u>
Other Current Assets		
1010 · PETTY CASH		400.00
1200 · LAIF		54,785.70
1300 · DUE FROM CCRB		18,943.62
1303 · Bradbury SOD Act Assmnts Rec		62,658.00
1304 · Lauro Dam SOD Assesmnt Rec		18,797.00
1400 · PREPAID INSURANCE		15,421.72
1401 · W/C INSURANCE DEPOSIT		6,529.00
Total Other Current Assets		<u>177,535.04</u>
Total Current Assets		891,918.04
Fixed Assets		
1500 · VEHICLES		416,014.47
1505 · OFFICE FURN & EQUIPMENT		306,632.69
1510 · MOBILE OFFICES		97,803.34
1515 · FIELD EQUIPMENT		427,197.49
1525 · PAVING		22,350.00
1550 · ACCUMULATED DEPRECIATION		-995,186.18
Total Fixed Assets		<u>274,811.81</u>
Other Assets		
1910 · LT Bradbury SOD Act Assess Rec		5,623,581.07
1920 · LT Lauro SOD Act Assess Rec		965,337.00
Total Other Assets		<u>6,588,918.07</u>
TOTAL ASSETS		<u><u>7,755,647.92</u></u>

LIABILITIES & Net Assets

Liabilities

Current Liabilities

Accounts Payable

2200 · ACCOUNTS PAYABLE

82,818.77

Total Accounts Payable

82,818.77

Other Current Liabilities

Payroll-CCRB DepPrm

4.62

Payroll-DepPrm Admin

5.00

COMB
Statement of Net Assets
As of April 30, 2011

	<u>April 30, 2011</u>
Payroll-DepPrm FD	4.62
Payroll-DepPrm Ops	23.48
2550 · VACATION/SICK	104,583.27
2561 · BRADBURY DAM SOD ACT	62,658.61
2562 · SWRCB-WATER RIGHTS FEE	0.75
2563 · LAURO DAM SOD ACT	18,797.00
2565 · ACCRUED INTEREST SOD ACT	87,008.00
2590 · DEFERRED REVENUE	119,069.45
Total Other Current Liabilities	<u>392,154.80</u>
 Total Current Liabilities	 474,973.57
 Long Term Liabilities	
2602 · LT SOD Act Liability-Bradbury	5,623,581.07
2603 · LT SOD Act Liability - Lauro	965,337.00
2604 · OPEB LT Liability	96,113.00
Total Long Term Liabilities	<u>6,685,031.07</u>
 Total Liabilities	 7,160,004.64
 Net Assets	
Invested in Capital Assets - net of related debt	274,811.81
Restricted Net Assets	129,100.42
Unrestricted Net Assets	191,730.10
Total Net Assets	<u>595,643.28</u>
 TOTAL LIABILITIES & NET ASSETS	 <u>7,755,647.92</u>

These draft statements represent the resulting disposition of net assets & liabilities as if the legal documents for the re-organization of CCRB and COMB were in effect as of January 1, 2011.

COMB
Statement of Revenues and Expenditures
Budget vs. Actual
July 2010 through April 2011
TOTAL

	Jul '10 - Apr 11	Budget	\$ Over Budget	% of Budget
Income				
3000 REVENUE				
3001 · O&M Budget (Qtrly Assessments)	2,090,073.48			
3004 · WIP Revenue	171,220.00			
3006 · Warren Act Trust Fund	12,249.19			
3007 · Renewal Fund	5,011.65			
3010 · Interest Income	1,550.26			
3020 · Misc Income	573.58			
3035 · Cachuma Project Betterment Fund	73,000.00			
Total 3000 REVENUE	2,353,678.16			
Total Income	2,353,678.16			
4999 · GENERAL & ADMINISTRATIVE				
5000 · Director Fees	796.98			
5001 · Director Mileage	9,088.00	12,000.00	-2,912.00	75.73%
5000 · Director Fees - Other	9,884.98	12,000.00	-2,115.02	82.38%
Total 5000 · Director Fees				
5100 · Legal	63,314.68	82,500.00	-19,185.32	76.75%
5101-1 · Audit	12,500.00	12,500.00	0.00	100.0%
5150 · Unemployment Tax	3,320.00			
5200 · Liability Insurance	41,009.00	38,000.00	3,009.00	107.92%
5201 · Health & Workers Comp	64,058.92	73,647.00	-9,588.08	86.98%
5250 · PERS	34,098.55	41,362.00	-7,263.45	82.44%
5260 · Company FICA Admin	11,949.84	16,152.00	-4,202.16	73.98%
5265 · Company MCARE Admin	3,120.55	3,675.00	-554.45	84.91%
5300 · Manager Salary	62,615.48	74,000.00	-11,384.52	84.62%
5301 · Administrative Manager	81,398.24	96,200.00	-14,801.76	84.61%
5306 · Administrative Assistant	50,333.25	59,436.00	-9,102.75	84.69%
5310 · Postage/Office Exp	6,114.25	7,000.00	-885.75	87.35%
5311 · Office Equip/Leases	5,489.85	6,200.00	-710.15	88.55%
5312 · Misc Admin Expenses	9,579.46	10,000.00	-420.54	95.8%
5313 · Communications	3,386.39	6,000.00	-2,613.61	56.44%
5314 · Utilities	6,239.70	7,000.00	-760.30	89.14%
5315 · Membership Dues	5,889.50	6,050.00	-160.50	97.35%
5316 · Admin Fixed Assets	0.00	5,000.00	-5,000.00	0.0%
5318 · Computer Consultant	15,056.53	15,000.00	56.53	100.38%
5325 · Emp Training/Subscriptions	2,758.81	3,000.00	-241.19	91.96%

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COMB
Statement of Revenues and Expenditures
Budget vs. Actual
July 2010 through April 2011

	Jul '10 - Apr 11	Budget	\$ Over Budget	% of Budget
5330 · Admin Travel/Conferences	4,251.94	3,000.00	1,251.94	141.73%
5331 · Public Information	736.80	1,000.00	-263.20	73.68%
5332 · Transportation	702.42	1,000.00	-297.58	70.24%
Total 4999 · GENERAL & ADMINISTRATIVE	497,809.14	579,722.00	-81,912.86	85.87%
5510 · Integrated Reg. Water Mgt Plan	0.00	25,000.00	-25,000.00	0.0%
Operations Division				
3100 · LABOR - OPERATIONS				
3101-A · Ops Supervisor	89,130.68			
3101-E · Engineer	74,764.58			
3101-H · Holiday Leave	9,688.05			
3101-S · Sick Leave	44,055.35			
3101-V · Vacation Leave	24,806.14			
3102 · Meter Reading	2,740.13			
3103 · SCC Ops	104,077.39			
3104 · Veh & Equip Mitce	6,158.19			
3105 · SCADA	929.71			
3106 · Rodent Bait	2,531.87			
Total 3107 · NORTH PORTAL	8,101.00			
Total 3108 · GLEN ANNE	19,123.67			
Total 3110 · LAURO	38,700.95			
Total 3111 · OFFICE	642.08			
Total 3112 · SHEFFIELD	4,407.32			
Total 3113 · ORTEGA	10,803.22			
Total 3114 · BOUNDARY METER	61.58			
Total 3115 · CARPINTERIA	4,397.99			
Total 3116 · GOLETA REACH	4,766.16			
Total 3117 · CARPINTERIA REACH	10,090.50			
3150 · Health & Workers Comp	149,227.02			
3155 · PERS	66,178.98			
3160 · Ops Co FICA	30,781.25			
3165 · Ops Co Medicare	7,300.56			
Total 3100 · LABOR - OPERATIONS	713,464.37	821,762.00	-108,297.63	86.82%
3200 VEH & EQUIPMENT				
3201 · Vehicle/Equip Mitce	26,526.50	25,000.00	1,526.50	106.11%

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COMB
Statement of Revenues and Expenditures
Budget vs. Actual
July 2010 through April 2011

	Jul '10 - Apr 11	Budget	\$ Over Budget	% of Budget
3202 · Fixed Capital	10,497.76	10,000.00	497.76	104.98%
3203 · Equipment Rental	1,497.23	5,000.00	-3,502.77	29.95%
3204 · Miscellaneous	1,849.28	5,000.00	-3,150.72	36.99%
Total 3200 VEH & EQUIPMENT	40,370.77	45,000.00	-4,629.23	89.71%
3300 · CONTRACT LABOR				
3301 · Conduit, Meter, Valve & Misc	6,898.14	12,000.00	-5,101.86	57.49%
3302 · Buildings & Roads	15,634.92	10,000.00	5,634.92	156.35%
3303 · Reservoirs	4,845.04	25,000.00	-20,154.96	19.38%
3304 · Engineering, Misc Services	19,169.26	30,000.00	-10,830.74	63.9%
Total 3300 · CONTRACT LABOR	46,547.36	77,000.00	-30,452.64	60.45%
3400 · MATERIALS & SUPPLIES				
3401 · Conduit, Meter, Valve & Misc	19,245.92	25,000.00	-5,754.08	76.98%
3402 · Buildings & Roads	5,074.31	12,000.00	-6,925.69	42.29%
3403 · Reservoirs	4,748.02	10,000.00	-5,251.98	47.48%
Total 3400 · MATERIALS & SUPPLIES	29,068.25	47,000.00	-17,931.75	61.85%
3500 · OTHER EXPENSES				
3501 · Utilities	4,880.84	6,500.00	-1,619.16	75.09%
3502 · Uniforms	1,735.61	2,500.00	-764.39	69.42%
3503 · Communications	15,129.20	20,000.00	-4,870.80	75.65%
3504 · USA & Other Services	1,167.16	4,000.00	-2,832.84	29.18%
3505 · Miscellaneous	9,359.66	8,000.00	1,359.66	117.0%
3506 · Training	3,646.89	4,000.00	-353.11	91.17%
Total 3500 · OTHER EXPENSES	35,919.36	45,000.00	-9,080.64	79.82%
6000 · SPECIAL PROJECTS				
6062 · SCADA	10,398.11	26,500.00	-16,101.89	39.24%
6090-1 · COMB Bldg/Grounds Repair	24,776.18	50,000.00	-25,223.82	49.55%
6092-1 · SCC Improv Plan & Design - UF	0.00	-116,220.00	116,220.00	0.0%
6092 · SCC Improv Plan & Design	152,949.59	246,220.00	-93,270.41	62.12%
6095 · SCC Valve & Cntrl Sta Rehab	0.00	35,000.00	-35,000.00	0.0%
6096 · SCC Structure Rehabilitation	20,980.80	60,000.00	-39,019.20	34.97%
6097 · GIS and Mapping	12,376.99	41,000.00	-28,623.01	30.19%
6100 · Sanitary Survey	49,752.34	51,260.00	-1,507.66	97.06%
6103 · SCCMURR	217.59	66,911.00	-66,693.41	0.3%
Total 6000 · SPECIAL PROJECTS	271,451.60	393,760.00	-122,308.40	68.94%

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COMB
Statement of Revenues and Expenditures
Budget vs. Actual
July 2010 through April 2011
TOTAL

	Jul '10 - Apr 11	Budget	\$ Over Budget	% of Budget
6400 · STORM DAMAGE				
6403 · Jesusita Fire Damage	37,648.00	55,000.00	-17,352.00	68.45%
Total Operations Expense	1,174,469.71	1,484,522.00	-310,052.29	79.11%
Fisheries Division				
4100 · LABOR - FISHERIES				
4101 · Senior Resource Scientist	20,594.07	30,000.00	-9,405.93	68.65%
4102 · Project Biologist	30,526.80	44,000.00	-13,473.20	69.38%
4103 · Biologist	23,858.56	34,000.00	-10,141.44	70.17%
4110 · Seasonal Aide - BL	3,564.00	5,362.50	-1,798.50	66.46%
4111 · Seasonal Aide - AB	7,906.26	7,600.00	306.26	104.03%
4112 · Seasonal Aide - SH	8,120.27	7,700.00	420.27	105.46%
4113 · Seasonal Aide - KL	5,892.75	5,779.50	113.25	101.96%
4150 · FD Health & WC	27,968.14	29,522.00	-1,553.86	94.74%
4151 · FD PERS	12,970.89	16,974.00	-4,003.11	76.42%
4152 · FD Co FICA	6,671.82	7,500.00	-828.18	88.96%
4153 · FD Co Medicare	1,560.34	1,800.00	-239.66	86.69%
Total 4100 · LABOR - FISHERIES	149,633.90	174,838.00	-25,204.10	85.58%
4200 · VEHICLES & EQUIP - FISHERIES				
4270 · Vehicle/Equip Mtce	10,239.80	9,500.00	739.80	107.79%
4290 · Miscellaneous	556.43	1,500.00	-943.57	37.1%
Total 4200 · VEHICLES & EQUIP - FISHERIES	10,796.23	11,000.00	-203.77	98.15%
4220 · CONTRACT LABOR - FISHERIES				
4222 · Fish Projects Maintenance	1,520.50	4,760.00	-3,239.50	31.94%
Total 4220 · CONTRACT LABOR - FISHERIES	1,520.50	4,760.00	-3,239.50	31.94%
4300 · MATERIALS/SUPPLIES - FISHERIES				
4390 · Miscellaneous	352.75	3,600.00	-3,247.25	9.8%
Total 4300 · MATERIALS/SUPPLIES - FISHERIES	302.76	3,600.00	-3,297.24	8.41%
4500 · OTHER EXPENSES - FISHERIES				
4502 · Uniforms	944.33	1,650.00	-705.67	57.23%

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COMB
Statement of Revenues and Expenditures

Budget vs. Actual

July 2010 through April 2011

	Jul '10 - Apr 11	Budget	\$ Over Budget	% of Budget
Total 4500 · OTHER EXPENSES - FISHERIES	944.33	1,650.00	-705.67	57.23%
5400 · GENERAL & ADMIN - FISHERIES				
5401 · Health & Workers Comp.	6,508.51	7,757.00	-1,248.49	83.91%
5402 · CalPERS	3,225.24	4,744.00	-1,518.76	67.99%
5403 · Company Fica	1,367.81	1,804.00	-436.19	75.82%
5404 · Admin Secretary	14,565.19	23,000.00	-8,434.81	63.33%
5405 · GM Salary	4,098.42	6,155.00	-2,056.58	66.59%
5406 · Company MCAre	319.82	422.00	-102.18	75.79%
5407 · Legal - FD	0.00	8,421.00	-8,421.00	0.0%
5410 · Postage / Office Supplies	2,584.16	3,710.00	-1,125.84	69.65%
5411 · Office Equipment / Leases	2,337.34	3,250.00	-912.66	71.92%
5412 · Misc. Admin Expense	1,566.00	919.00	647.00	170.4%
5414 · Utilities	3,152.48	3,500.00	-347.52	90.07%
5415 · Membership Dues	90.00	2,000.00	-1,910.00	4.5%
5416 · Admin Fixed Assets	1,080.24	3,500.00	-2,419.76	30.86%
5418 · Computer Consultant	8,426.78	5,000.00	3,426.78	168.54%
5430 · Travel	2,139.49	3,000.00	-860.51	71.32%
Total 5400 · GENERAL & ADMIN - FISHERIES	51,461.48	77,182.00	-25,720.52	66.68%
5511 · IRWMP - FISHERIES				
5511 · IRWMP - FISHERIES - Other	0.00	5,000.00	-5,000.00	0.0%
Total 5511 · IRWMP - FISHERIES	0.00	2,500.00	-2,500.00	0.0%
6200 · FISHERIES ACTIVITIES				
6201 · FMP Implementation	24,610.99	88,031.00	-63,420.01	27.96%
6202 · GIS and Mapping	0.00	10,000.00	-10,000.00	0.0%
6203 · Grants Technical Support	0.00	7,540.00	-7,540.00	0.0%
6204 · SYR Hydrology Technical Support	0.00	65,780.00	-65,780.00	0.0%
6205 · USGS Stream Gauge Program	55,227.00	54,698.00	529.00	100.97%
6206 · Tri County Fish Team Funding	0.00	2,500.00	-2,500.00	0.0%
6207 · Oak Tree Restoration Program	30,722.00	76,628.00	-45,906.00	40.09%
6208 · Legislative & Steelhead Funding	0.00	8,000.00	-8,000.00	0.0%
Total 6200 · FISHERIES ACTIVITIES	110,559.99	123,998.00	-13,438.01	89.16%
6300 · HABITAT ENHANCEMENT				
6301 · Conservation Easements	0.00	10,000.00	-10,000.00	0.0%
6302 · Hilton Creek Channel Ext	4,734.96	16,730.00	-11,995.04	28.3%

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COMB
Statement of Revenues and Expenditures
Budget vs. Actual
July 2010 through April 2011
TOTAL

	Jul '10 - Apr 11	Budget	\$ Over Budget	% of Budget
6303 · Tributary Projects Support	747.78	6,200.00	-5,452.22	12.06%
6304 · Engineering Designs - QC	27,712.53	39,766.00	-12,053.47	69.69%
6305 · QC - ORI Match Funds	0.00	50,000.00	-50,000.00	0.0%
6306 · Jalama Repair Design	2,104.40	15,000.00	-12,895.60	14.03%
Total 6300 · HABITAT ENHANCEMENT	35,299.67	137,686.00	-102,386.33	25.64%
Total Fisheries Division	360,518.86	537,214.00	-176,695.14	67.11%
Total Expenses	2,032,797.71	2,626,458.00	-334,131.12	77.4%
Change in Net Assets	320,880.45			

These draft statements represent the resulting disposition of net assets as if the legal documents for the re-organization of CCRB and COMB were in effect as of January 1, 2011.

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

www.treasurer.ca.gov/pmia

-laif

May 17, 2011

CACHUMA OPERATION AND MAINTENANCE BOARD

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

PMIA Average Monthly Yields

Transactions

Tran Type Definitions

April 2011 Statement

Effective Date	Transaction Date	Tran Type	Confirm Number	Authorized Caller	Amount
4/15/2011	4/14/2011	QRD	1312705	SYSTEM	198.31

Account Summary

Total Deposit:	198.31	Beginning Balance:	54,587.39
Total Withdrawal:	0.00	Ending Balance:	54,785.70

MEMO TO: Board of Directors
 Cachuma Operation & Maintenance Board

FROM: Kathleen Rees, Secretary

SUBJECT: COMB INVESTMENT POLICY

The above statement of investment activity for the month of April, 2011, complies with legal requirements for investment policy of government agencies, AB 1073. I hereby certify that it constitutes a complete and accurate summary of all LAIF investments of this agency for the period indicated.

Kathleen Rees
 Secretary

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**SANTA BARBARA
BANK & TRUST**

P.O. Box 60839, S.B., CA, 93160-0839

3196

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

Banking Statement

Statement Period: 04/01/2011 to 04/30/2011

Customer Number:

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

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

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Business Money Market

Checking Summary

Cachuma Operation & Maintenance Board

Master Contract Renewal Fund

Account Number	102335072
Interest Paid YTD	4.95
Interest Paid Last Year	39.98

Deposit Account Recap

Beginning Balance as of

April 1, 2011 *KK 5/10/11* 5,018.64

1 Deposits (Plus) 1.24

Ending Balance as of

April 30, 2011 5,019.88

Interest Paid 1.24

MEMO TO: Board of Directors
Cachuma Operation & Maintenance Board

FROM: Kathleen Rees, Secretary

SUBJECT: COMB INVESTMENT POLICY

The above statement of investment activity for the month of April, 2011, complies with legal requirements for investment policy of government agencies, AB 1073. I hereby certify that it constitutes a complete and accurate summary of all Santa Barbara Bank & Trust investments of this agency for the period indicated.

Kathleen Rees
Secretary

ITEM # 36
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**SANTA BARBARA
BANK & TRUST**

P.O. Box 60839, S.B., CA, 93160-0839

3197

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

Banking Statement

Statement Period: 04/01/2011 to 04/30/2011

Customer Number:

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

BANKLINE-24-HOUR AUTOMATED INFORMATION
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Public Capital Tiered MMDA

Checking Summary

Cachuma Operation & Maintenance Board

Cachuma Project Trust Fund

Account Number	102335080
Interest Paid YTD	95.14
Interest Paid Last Year	447.50

Deposit Account Recap

Beginning Balance as of	
April 1, 2011	82,375.14
2 Deposits (Plus)	31,674.43
Ending Balance as of	
April 30, 2011	114,049.57
Interest Paid	26.43

K. Rees

MEMO TO: Board of Directors
Cachuma Operation & Maintenance Board

FROM: Kathleen Rees, Secretary

SUBJECT: COMB INVESTMENT POLICY

The above statement of investment activity for the month of April, 2011, complies with legal requirements for investment policy of government agencies, AB 1073. I hereby certify that it constitutes a complete and accurate summary of all Santa Barbara Bank & Trust investments of this agency for the period indicated.

Kathleen Rees

Secretary

ITEM # 36

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Payment of Claims
As of April 30, 2011

	Date	Num	Name	Memo	Amount	
1050 - GEN FUND	04/04/2011	19798	Acorn Landscape Management Co.	Scheduled mtce	-253.17	
	04/04/2011	19799	ACWA Health Benefits Authority (HBA)	May EAP	-46.02	
	04/04/2011	19800	ACWA/Joint Powers Insurance Author	Property Program 4/1/11-4/1/12	-4,307.00	
	04/04/2011	19801	Business Card	JG-Webhost	-104.65	
	04/04/2011	19801	Business Card	JC-Denver training-hotel/travel/car rental	-1,579.20	
	04/04/2011	19801	Business Card	KR-Salmonid Res conf/Eng Assoc mmb	-1,678.95	
				American Fisheries conf-hotel-meals		
	04/04/2011	19802	Culligan Water	RO system Apr	-24.95	
	04/04/2011	19803	Draganchuk Alarm Systems	Alarm monitoring 4/1-6/30/11	-82.50	
	04/04/2011	19804	GE Capital	Copier lease Billing ID#90133933786	-499.16	
	04/04/2011	19805	Growing Solutions	Plant care-2nd barrel site PO#8987	-100.00	
	04/04/2011	19806	Nextel Communications	Cellular	-424.55	
	04/04/2011	19807	Nordman, Cormany, Hair & Compton	Gen Counsel-Feb services	-3,892.50	
	04/04/2011	19808	PG&E	Tecolote tunnel/NP	-205.11	
	04/04/2011	19809	Pitney Bowes Global Financial Service	Postage meter lease 4/10-7/10/11	-446.97	
	04/04/2011	19810	Quinn Company	Posi-trak-supply/install new tracks both sides	-7,868.90	
				Posi-trak-repair-replace forward/reverse cables	-1,571.89	
	04/04/2011	19811	Scott Volan	Reimb mileage to SRF conf in SLO	-95.88	
	04/04/2011	19812	Tim Robinson	Reimb hotel/meals-AFS conf	-375.40	
	04/04/2011	19813	UPS	Shipping	-11.43	
	04/13/2011	19814	A-OK Mower Shops, Inc.	Equip service/repair	-182.44	
	04/13/2011	19815	ACWA Health Benefits Auth. (HBA)	5/1-6/1/11 coverage	-16,627.47	
	04/13/2011	19816	AECOM USA Inc.	TO#18 2nd Barrel Design-Phase II Feb/Mar	-999.29	
	04/13/2011	19817	AECOM USA Inc.	TO#31-SCC coord mtgs/eng-tech for Mod SCCURR	-5,969.13	
	04/13/2011	19818	Applied EarthWorks, Inc.	Prep/complete SP vault documentation PO#09-10-2	-1,387.23	
	04/13/2011	19819	AT&T	Mar statement	-324.24	
	04/13/2011	19820	Cabela's Marketing & Brand Mgt Inc.	Drysuits	-924.78	
	04/13/2011	19821	Cardno ENTRIX	SCC Upper Reach Rel Feb-Mar PO#09-10-21	-217.59	
	04/13/2011	19822	CIO Solutions, LP	Maintain IT/Postini-Apr	-2,482.00	
	04/13/2011	19823	City of Santa-Barbara	Refuse/recycle 2/28-3/30/11	-162.70	
	04/13/2011	19824	Cox Communications	Business internet Apr	-195.00	
	04/13/2011	19825	Dale Francisco	Mar mtg fees	-132.23	
	04/13/2011	19826	Dennis E. Beebe	Mar mtg fees	-156.92	
	04/13/2011	19827	ECHO Communications	Answering service	-64.04	
	04/13/2011	19828	Fleet Services	Fuel	-3,669.58	
	04/13/2011	19829	Flowers & Associates, Inc.	Prof/tech eng-SCC Exam/Repair project PO#10-11-	-1,602.30	
	04/13/2011	19830	GE Capital	Copier lease Billing ID#90136047559	-134.85	
	04/13/2011	19831	Graybar Electric Company, Inc.	Electrical project supplies-Glen Anne	-121.93	
	04/13/2011	19832	Home Depot Credit Services	Supplies for electrical project-Glen Anne	-36.82	
	04/13/2011	19833	Hydrex Pest Control Co.	Ant/pest control	-65.00	
	04/13/2011	19834	Larry's 8-Day Auto Parts	Ball & pintle hook	-164.13	
	04/13/2011	19835	Lauren W. Hanson	Mar mtg fees	-266.20	
	04/13/2011	19836	MarBorg Industries	Portable toilets	-328.62	
	04/13/2011	19837	Melinda L. Fournier	Oak tree/Honeysuckle restoration-Mar	-319.00	
	04/13/2011	19838	Nordman, Cormany, Hair & Compton	Gen Emp Counsel-Mar services	-1,777.50	
	04/13/2011	19839	Nordman, Cormany, Hair & Compton	Gen Counsel-Brown matter-Mar services	-390.00	
	04/13/2011	19840	O'Reilly Automotive, Inc.	Wiper blades	-36.95	
	04/13/2011	19841	Pacific Coast Jiffy Lube	Oil changes/service	-96.26	
	04/13/2011	19842	Paychex, Inc.	3/4, 18, 4/1 payrolls/taxes	-404.04	
	04/13/2011	19843	Powell Garage	Colorado-replace headlamp bulb	-30.28	
	04/13/2011	19844	Praxair Distribution, Inc	Cylinder rental	-47.25	
	04/13/2011	19845	Prudential Overall Supply	Mats	-141.68	
	04/13/2011	19846	Republic Elevator Co.	Scheduled mtce-NP elevator	-266.91	
	04/13/2011	19847	Robert R. Lieberknecht	Mar mtg fees	-142.43	
	04/13/2011	19848	SB Home Improvement Center	Misc supplies/sandbag	-15.10	
04/13/2011	19849	Schwan Brothers Excavation, Inc.	Transport backhoe to Cachuma	-230.00		
04/13/2011	19850	Secorp Industries	First Aid/CPR training all staff PO#9010	-1,665.50		
04/13/2011	19851	Southern California Edison	Main ofc/outlying sta/Glen Anne gate/Corona-Glen Anne Rd/Foothill Rd	-1,446.10		
04/13/2011	19852	Specialty Tool, LTD	Nuts/bolts-signs for office/yard	-10.01		
04/13/2011	19853	Staples Credit Plan	Office Supplies	-742.38		
04/13/2011	19854	Stewart's De-Rooting & Plumbing	Clean/inspect main line-Lauro yard	-155.00		
04/13/2011	19855	The Wharf	Steel toe boots-JS	-96.27		

comb2
Payment of Claims
 As of April 30, 2011

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
04/13/2011	19856	Titan Industrial & Safety Supply, Inc.	Calibration gas/sensor cartridges	-3,460.26
04/13/2011	19857	Underground Service Alert of So. Calif	Mar tickets	-75.00
04/13/2011	19858	Verizon California	Main ofc/outlying sta/SCADA	-971.63
04/13/2011	19859	Verizon Wireless	Cellular	-124.30
04/13/2011	19860	W. Douglas Morgan	Mar mtg fees	-276.40
04/13/2011	19861	Western Welding	Materials for office/yard signage	-16.70
04/13/2011	19862	WFCB-OSH Commercial Services	Bldg supplies-plungers/holders/covers/brushes	-56.50
04/15/2011	19863	Melinda L. Fournier	Oak Tree Restoration Program-Mar	-12,765.00
04/15/2011	19864	Powell Garage	Silverado-replace fuel pump/oil change	-989.02
04/15/2011	19865	Santa Ynez River Water Cons. Dist. IC	Stetson-Jan-Cachuma forecasting storage & spill/file	-228.57
04/15/2011	19866	HDR Engineering, Inc.	Quiota Crk xng 6-tech/psg tech supp/psg design xng	-15,702.23
04/25/2011	19867	COMB-Petty Cash	Replenish petty cash	-229.46
04/25/2011	19868	County of Santa--Barbara	Green waste	-76.20
04/25/2011	19869	Northwest Hydraulic Consultants	Task#2 Hilton Crk Channel Enhance Study Jan-Mar	-4,734.96
04/25/2011	19870	Premiere Global Services	Conf. calls Mar	-104.80
04/25/2011	19871	Scott Engblom	Apr Reimb	-305.25
04/25/2011	19872	United States Geological Survey	Agmt#11W4CAD44600 2nd Qrtly billing Agmt Dated	-18,462.50
04/25/2011	19873	United States Geological Survey	Agmt#10W4CAD44600 4th Qrtly billing Agmt Dated	-18,302.00
Total 1050 · GENERAL FUND				<u>-147,547.16</u>
				<u>-147,547.16</u>

comb2
Payment of Claims
As of March 31, 2011

	Date	Num	Name	Memo	Amount
1050 - GEN FUND	03/01/2011	19699	COMB - Revolving Fund	Mar 4 & 18 payroll/taxes	-126,027.60
	03/09/2011	19700	Employment Development Dept.	Unemployment KB/BG	-3,320.00
	03/09/2011	19701	Federal Express	Mailings-Crossing #2	-98.25
	03/09/2011	19702	HDR Engineering, Inc.	Salsi Crk/Jalama fish ldr redesign/Quiota Crk fish psg xng	-3,420.75
	03/09/2011	19703	Nordman, Cormany, Hair & Compton	Gen Counsel-Brown matter Jan services	-2,797.50
	03/09/2011	19704	Nordman, Cormany, Hair & Compton	Gen Counsel-Jan services	-4,117.50
	03/09/2011	19705	PAPA	QAC Seminars-FB/DN/JS	-640.00
	03/10/2011	19706	A-OK Mower Shops, Inc.	Blades/Stihl saw	-701.15
	03/10/2011	19707	Acorn Landscape Management Co.	Scheduled mtce	-253.17
	03/10/2011	19708	ACWA Health Benefits Auth. (HBA)	4/1-5/1/11 coverage	-16,627.27
	03/10/2011	19709	ACWA Health Benefits Authority (HBA)	Apr EAP	-49.56
	03/10/2011	19710	AECOM USA Inc.	TO#31 Coord mtgs/Eng-Tech support (Brown prop) 12/18/	-4,345.43
	03/10/2011	19711	AECOM USA Inc.	TO#30 Rel/Alt Study-Lower Reach Ortega to Carp (Reach	-8,588.73
	03/10/2011	19712	AECOM USA Inc.	TO#31-SCC coord mtgs/misc eng/tech support	-3,121.55
	03/10/2011	19713	AECOM USA Inc.	TO#18 2nd Barrel Design-Phase II Dec/Jan/Feb	-1,213.57
	03/10/2011	19714	All-Cal Equipment Service, Inc.	Annual inspection-NP crane	-250.00
	03/10/2011	19715	AT&T	Feb statement	-355.45
	03/10/2011	19716	Bedrock Building Supplies	Cement mix/wood floats/trowels	-200.64
	03/10/2011	19717	Boone Graphics	Letterhead-COMB & CCRB	-244.99
	03/10/2011	19718	Business Card	JG-Webhost/KR-Water Users Conf-travel, meals/ JC-Technology conf/Greenbook supplement/bag fee	-1,122.15
	03/10/2011	19719	Calif Dept of Forestry & Fire Protection	Ortega/Glen Anne res work	-443.04
	03/10/2011	19720	Cardno ENTRIX	SCC Upper Reach Rel Jan PO#09-10-21	-433.89
	03/10/2011	19721	Applied EarthWorks, Inc.	Historical Res Recordation-response to comments PO#09-	-763.70
	03/10/2011	19722	Cardno ENTRIX	Fisheries Assistance	-2,542.94
	03/10/2011	19723	CIO Solutions, LP	Agmt-Extreme works Summit/Support/Antivirus-spam	-2,762.00
	03/10/2011	19724	City of Santa-Barbara	Refuse/recycle 1/28-2/28/11	-162.70
	03/10/2011	19725	City of Santa Barbara-Central Stores	Gloves	-118.89
	03/10/2011	19726	Coastal Copy, LP	Copier lease-KM4035/TASKalfa 250	-305.80
	03/10/2011	19727	COMB-Petty Cash	Replenish petty cash	-335.46
	03/10/2011	19728	Cox Communications	Business internet Mar	-195.00
	03/10/2011	19729	Crop Production Services	Roundup	-2,061.67
	03/10/2011	19730	Culligan Water	RO system Mar	-24.95
	03/10/2011	19731	Dale Francisco	Feb mtg fees	-132.23
	03/10/2011	19732	Dennis E. Beebe	Feb mtg fees	-156.92
	03/10/2011	19733	Duraframe Dipnet	Nets PO#8994	-184.65
	03/10/2011	19734	Eaton Corporation	Fan for SCADA comm.	-160.51
	03/10/2011	19735	ECHO Communications	Answering service	-65.60
	03/10/2011	19736	Electronic Data Solutions	Pro XRT mounting clip/bluetooth PO#8996	-76.30
	03/10/2011	19737	Fluidigm Corporation	BioMark Dynamic Array chip-Genotyping PO#9002	-15,131.00
	03/10/2011	19738	GE Capital	Copier lease-KM4035/TASKalfa 250	-634.01
	03/10/2011	19739	Graham Chevrolet-Cadillac	Part-'00b Chevy	-32.19
	03/10/2011	19740	Graybar Electric Company, Inc.	Wiring/lighting	-381.62
	03/10/2011	19741	Growing Solutions	Plant care-2nd barrel site PO#8987	-100.00
	03/10/2011	19742	Hydrex Pest Control Co.	Ant/pest control	-80.00
	03/10/2011	19743	Larry's 8-Day Auto Parts	Misc supplies	-42.59
	03/10/2011	19744	Laser Cartridge Co.	Cartridge recharge 4600	-162.80
	03/10/2011	19745	Lauren W. Hanson	Feb mtg fees	-133.10
	03/10/2011	19746	MarBorg Industries	Portable toilets	-328.62
	03/10/2011	19747	McCormix Corp.	Diesel fuel	-253.38
	03/10/2011	19748	Melinda L. Fournier	Oak tree/Honeysuckle restoration-Jan	-2,020.00
	03/10/2011	19749	Melinda L. Fournier	Oak Tree Restoration Program	-10,887.00
	03/10/2011	19750	Melinda L. Fournier	Oak tree/Honeysuckle restoration-Feb	-5,068.00
	03/10/2011	19751	Milpas Rental	Chipper rental	-153.32
	03/10/2011	19752	Nextel Communications	Cellular	-441.50
	03/10/2011	19753	Nordman, Cormany, Hair & Compton	Gen Counsel-Brown matter Feb services Gen Emp Counsel-Feb services	-555.00
	03/10/2011	19754	O'Reilly Automotive, Inc.	Battery	-86.22
	03/10/2011	19755	Ogden Signs	50% deposit-Signs for yard/offices	-950.00
	03/10/2011	19756	Paychex, Inc.	2/4, 18 payrolls/taxes	-269.36
	03/10/2011	19757	PG&E	NP/Tecolote tunnel	-190.75
	03/10/2011	19758	Praxair Distribution, Inc	Cylinder rental	-52.31
	03/10/2011	19759	Prudential Overall Supply	Mats	-141.68
	03/10/2011	19760	Rauch Communication Consultants, LLC	Newsletter-finalize to provide digitally/quotes for pint and rr	-112.50
	03/10/2011	19761	Republic Elevator Co.	Scheduled mtce-NP elevator	-266.91

comb2
Payment of Claims
As of March 31, 2011

Date	Num	Name	Memo	Amount
03/10/2011	19762	Robert R. Lieberknecht	Feb mtg fees	-142.43
03/10/2011	19763	Santa Barbara Police Department	Renewal-Security Alarm Reg#6439	-40.00
03/10/2011	19764	Southern California Edison	Main ofc/outlying stations	-1,342.79
03/10/2011	19765	Specialty Tool, LTD	Nuts/shop towels	-19.14
03/10/2011	19766	Staples Credit Plan	Office Supplies	-587.43
03/10/2011	19767	State Compensation Insurance Fund	Payroll Report Feb 2011	-4,722.02
03/10/2011	19768	Summers Engineering, Inc.	Watershed Sanitary Survey-4th progress billing	-14,492.48
03/10/2011	19769	Tesco Controls, Inc.	Extended SCADA support srvc/mtce pkg 12/1/10-11/30/11	-9,320.00
03/10/2011	19770	The Gas Company	Main ofc	-93.86
03/10/2011	19771	Tierra Contracting, Inc.	Montecito Water Barker Pass pump station PO#10-11-07	-5,785.00
03/10/2011	19772	Underground Service Alert of So. Calif.	Feb tickets	-58.50
03/10/2011	19773	United States Geological Survey	Agmt#11W4CAD44600 1st Qrtly billing Agmt Dated 5/5/10	-18,462.50
03/10/2011	19774	UPS	Shipping	-11.33
03/10/2011	19775	Verizon California	Mainf ofc/outlying stations	-460.16
03/10/2011	19776	Verizon Wireless	Cellular	-131.68
03/10/2011	19777	W. Douglas Morgan	Feb mtg fees	-138.20
03/15/2011	19778	ACWA/Joint Powers Insurance Authority	Employee Fidelity Program 4/1/11-4/1/12	-910.00
03/15/2011	19779	AECOM USA Inc.	TO#30 Rel/Alt Study-Lower Reach Ortega to Carp (Reach	-4,040.54
03/15/2011	19781	MCT Trailers	Big Tex trailer PO#9008	-5,225.76
03/15/2011	19782	Southern California Edison	Corona-Glen Anne Rd/Glen Anne gate/Foothil Rd	-78.48
03/15/2011	19783	Verizon California	SCADA	-522.34
03/15/2011	19784	HDR Engineering, Inc.	Salsi Crk/Jalama fish ldr redesign/Quiota Crk fish psg xng	-12,529.85
03/16/2011	19785	J&C Services	Ofc cleaning 2/18,25, 3/4,11	-500.00
03/24/2011	19786	Coastal Copy, LP	Copier lease/mtce agmt-KM4035/TASKalfa 250	-226.49
03/24/2011	19787	Federal Express	Mailing	-16.34
03/24/2011	19788	Ogden Signs	Signs for yard/offices-Final payment	-983.00
03/24/2011	19789	Premiere Global Services	Conf. calls Feb	-44.58
03/24/2011	19790	Reserve Account	Postage refill	-600.00
03/24/2011	19791	State Compensation Insurance Fund	Payroll Report Mar 2011	-4,713.68
03/24/2011	19792	The Gas Company	Main ofc	-97.58
03/28/2011	19793	Armand Barilotti	Reimb	-88.22
03/29/2011	19794	Bureau of Reclamation	2nd Period Entitlement 4/1/11-9/30/11	-1,551,316.56
03/29/2011	19795	US Postal Service	Postage for Winter Newsletter	-246.40
03/30/2011	19796	COMB - Revolving Fund	Apr 1, 15 & 29 payroll/taxes	-196,558.86
03/30/2011	19797	Tim Robinson	Reimb hotel stay-SRF Conf	-232.96
Total 1050 - GENERAL FUND				<u>-2,061,634.53</u>
				<u>-2,061,634.53</u>

The Board is approving March Payment of Claims for the highlighted claim only.

At the regular board meeting of April 25, 2011, the Board took action to approve the March Payment of Claims, with the Summers Engineering, Inc. payment removed, pending resolution to a question raised by Director Morgan (see minutes for the 4/25/11 board meeting). Attached is the corrected invoice from Summers Engineering, Inc. The payment amount remains the same.

Summers Engineering, Inc.
P. O. Box 1122
Hanford, CA 93232-1122
559-582-9237

Cachuma Operation and Maintenance Board
3301 Laurel Canyon Road
Santa Barbara, CA 93105

Invoice number 7596
Date 1/31/2011

Project **Cachuma Operation & Maintenance Board**

Purchase Order No.: 10-11-03

The original Invoice #7596 had a typo error in the number of hours included for Engineering Assistant II. It should have been 100 hours. The work completed during this period included the following:

Roger L. Reynolds – Project Manager – 29 hours

Continue providing oversight and coordination for preparation of the Watershed Sanitary Survey report. Received and reviewed preliminary draft of report from staff. Meet with staff to provide and discuss editorial comments. Review first tabulation of water quality data obtained from public water agencies for inclusion in tables presented in Chapter 4. Called GWD and MWD to review and verify some water quality data received. Discuss and confirm with COMB staff the question of including Santa Ynez WCD #1 as one of the participating Public Water agencies of Santa Barbara County. Have SEI Technician prepare options for report cover.

Engineering Assistants: 105 hours

Continue research, writing and formatting of the preliminary draft of Watershed Sanitary Survey report. Prepare and check tabulation of water quality data. Meet with Project Manager to review and discuss preparation of report.

Time

	Hours	Rate	Billed Amount
Roger L. Reynolds	29.00	145.00	4,205.00
Engineering Assistant II	100.00	90.00	9,000.00
Engineering Assistant VI	5.00	80.00	400.00
Technician II	6.00	45.00	270.00
Clerical I	2.00	55.00	110.00
Clerical III	4.00	45.00	180.00
Time subtotal	46.00		14,165.00

Expenses

CK'd By	<i>KR</i>	<i>[Signature]</i>	
	Mgr. Initial	Mgr. Initial	
Total Paid	\$ 14,492.48		Billed Amount
Drafting/Computer	Account	6100	178.00
Duplicating	Account		55.95
Telephone	Account		93.53
Expenses subtotal			327.48

Invoice total **14,492.48** ✓

BILLS ARE DUE AND PAYABLE UPON PRESENTATION

J.C. J.C.

ENTERED
a

PAID
an

ITEM # 30
PAGE 5

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: May 23, 2011
TO: Board of Directors
FROM: Kate Rees, General Manager
RE: **SANTA YNEZ RIVER RIVERWARE MODEL PEER REVIEW – SOUTH COAST LOCAL REVIEWER**

RECOMMENDATION:

1. That the Board reconsider the SYR RiverWare Model peer review discussed and approved at the April 25, 2011 board meeting.
2. That the Board rescind its approval of COMB contracting with a hydrologic consultant for carrying out a peer review of the SYR RiverWare Model.
3. That the COMB Board request the CCRB Board to enter into a contract with the selected south coast consultant to carry out a local peer review of the SYR RiverWare Model.

DISCUSSION:

At the April 25, 2011 Board meeting, the COMB Board approved carrying out and funding a peer review of the SYR RiverWare Model, and authorized the General Manager to enter into a contract with the selected south coast consultant to carry out the local peer review RiverWare Model. President Hanson has requested that the Board reconsider the SYR RiverWare peer review item.

It is recommended that that the Board rescind its approval of COMB contracting with a hydrologic consultant for carrying out a peer review of the SYR RiverWare Model. And instead, request the CCRB Board to enter into a contract with the selected south coast consultant to carry out a local peer review.

At the April 25th meeting, the Board also approved funding for the peer review through the COMB FY 11-12 budget in the amount of \$60,000. There is no suggested change to the budgeting for this work.

Respectfully submitted,



Kate Rees
General Manager

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: May 23, 2011
TO: Board of Directors
FROM: Kate Rees, General Manager
RE: **Biological Opinion Coverage for Quiota Creek Projects**

RECOMMENDATION:

None at this time. For information only.

DISCUSSION:

At the March 28, 2011 Board meeting, the COMB Board reviewed a letter from the National Marine Fisheries Service (NMFS) to the Army Corp of Engineers (ACOE) pertaining to a permit application submitted on behalf of COMB for concurrence that the Quiota Creek Fish Passage Project, Crossing 2 was suitably addressed under the 2000 Cachuma Project Biological Opinion (BO). NMFS considered the request, but determined that ESA Section 7 coverage for the project under the existing BO was not appropriate, primarily because the take provision in the BO had been exceeded annually, and was anticipated to be exceeded again this year. However, NMFS did indentify an alternate programmatic BO with the Department of Fish and Game (DFG) through which Section 7 protection for construction of the Quiota Creek project could be provided, because the project was being funded through DFG's Fisheries Restoration Grant Program.

The letter raised questions and concerns regarding ESA Section 7 protection for future Quiota Creek projects, as well as the ongoing fisheries monitoring program. The Board requested that I contact NMFS and request clarification.

A conference call was held on May 16th with NMFS and Reclamation regarding this issue. Ms. Ruvelas said that NMFS considers completion of the Quiota Creek projects very important, and confirmed that the Quiota Creek Fish Passage Projects for both Crossing 2 and Crossing 7 will be covered under DFG's Programmatic BO. Therefore, these projects can be constructed during late summer and fall of 2011 as planned. A separate response letter to the ACOE confirming Section 7 will be forthcoming for the Quiota Project at Crossing 7. Future Quiota Creek projects that receive partial or full grant funding from DFG will also be covered under the DFG BO.

With regard to the fisheries monitoring program, we received clarification that it continues to be covered by the Cachuma BO. We asked which activities were considered a "take" and, therefore, counted for the purposes of the incidental take permit. NMFS stated that they did not consider snorkeling activities to constitute a "take" which was welcome news as that greatly reduces the numbers we thought might have been included in exceeding the take provisions. However, trapping activities do, because the fish are captured, handled, and released. Tim

ITEM # 6a
PAGE 1

Robinson was asked to prepare a modified trapping program to assure that we stay within the limits of the incidental take permit.

Ms Ruvelas indicated that this issue was one of the reasons NMFS is eager to begin reconsultation discussions in earnest.

Respectfully submitted,



Kate Rees
General Manager

kr/COMB/admin/board memos_052311_Riverware peer review.mmo

ITEM # 6a
PAGE 2



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Southwest Region
501 West Ocean Boulevard, Suite 4200
Long Beach, California 90802-4213

In response refer to:
2010/06076:DB

February 7, 2011

RECEIVED

FEB 14 2011

CACHUMA O&M BOARD

Antal Szijj
U.S. Army Corps of Engineers
Los Angeles District
Ventura Field Office
2151 Alessandro Dr., Suite 110
Ventura, CA 93001

Dear Mr. Szijj:

This letter is in regard to the U.S. Army Corps of Engineer's (Corps) December 8, 2010, request for concurrence that the proposed road crossing modification on Quiota Creek (Quiota Creek Crossing #2) "continues to be suitably addressed under" the September 8, 2000, biological opinion for the U.S. Bureau of Reclamation's (Reclamation) Cachuma Project. This request pertains to permit application (SPL-2010-01120-CLH) submitted by the Cachuma Operation and Maintenance Board (COMB) on behalf of Reclamation. NOAA's National Marine Fisheries Service (NMFS) has carefully considered the Corps' request and, as discussed more fully below, has determined that consideration of the subject project under the September 8, 2000, biological opinion is not appropriate.

There are two principal reasons NMFS determined that the subject proposed action would not be suitably covered under the September 8, 2000, biological opinion for the Cachuma Project. First, Reclamation, in coordination with NMFS, is preparing to reinitiate consultation for the Cachuma Project under Section 7 of the Federal Endangered Species Act (ESA). The requirement for reinitiating consultation resulted from information indicating that the Cachuma Project is affecting endangered steelhead in a manner and extent not previously considered in the September 8, 2000, biological opinion. Because the existing biological opinion does not adequately reflect operations of the Cachuma Project and the amount and extent of effects the project generates to endangered steelhead, NMFS and Reclamation are in the process of reconsidering effects of the Cachuma Project on this endangered species. Second, because the amount of take of endangered steelhead that is authorized in the September 8, 2000, biological opinion has been exceeded annually, and is forecasted to be exceeded again this year, there is no current allowance in the existing biological opinion to authorize take of endangered steelhead that may result from the proposed action.

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NMFS has identified an alternative to the September 8, 2000, biological opinion for the Cachuma Project as a means to achieve compliance with Section 7 of the ESA. In this regard, NMFS understands that the proposed project is being funded through the California Department of Fish and Game's Fisheries Restoration Grant Program (Program). NMFS consulted with the Corps under Section 7 of the ESA for a permit action involving this Program and produced a biological opinion of May 23, 2008. This specific biological opinion was developed to consider, in a programmatic manner, future restoration activities similar to the activities that are the basis of the current proposed action. Accordingly, NMFS recommends that the Corps consider processing the application for the currently proposed action under the Corps' Regional General Permit #78¹ and the accompanying May 23, 2008, biological opinion. NMFS has relayed a similar recommendation to Reclamation.

NMFS is especially grateful to Reclamation and COMB for improving passage conditions for endangered steelhead in Quiota Creek. As demonstrated in the attached letter dated December 16, 2010, NMFS continues to provide technical assistance through coordination and design review of the subject project proposed by Reclamation and COMB.

Please contact Darren Brumback at (562) 980-4060 or via email at Darren.Brumback@noaa.gov if you have any questions concerning this letter.

Sincerely,



Penny Ruvelas
Southern California Office Supervisor
for Protected Resources Division

Enclosure (1)

cc: David Hyatt, U.S. Bureau of Reclamation
Ned Gruenhagen, U.S. Bureau of Reclamation
Mary Larson, California Department of Fish and Game
Crystal Huerta, U.S. Army Corps of Engineers
Tim Robinson, Cachuma Conservation Release Board
Copy Admin. File: 151422SWR2010PR00513
151422SWR2001PR231
151422SWR2010PR00316

¹ U.S. Army Corps of Engineers. May 8, 2009. Authorization of projects implemented under the California Department of Fish and Game's Fisheries Restoration Grant Program.

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: May 23, 2011

TO: Board of Directors

FROM: Tim Robinson, Sr. Resource Scientist
Kate Rees, General Manager

RE: April 2011 LOWER SANTA YNEZ RIVER FISHERIES REPORT

In compliance with the Cachuma Project Biological Opinion (BO) and as described in the Lower Santa Ynez River Fish Management Plan (FMP) and the Monitoring Program in the revised Biological Assessment (BA), the Cachuma Project Biology Staff (CPBS) conducts routine monitoring of steelhead/rainbow trout and their habitat on the Lower Santa Ynez River (LSYR) below Bradbury Dam. The following is a list of activities carried out by CPBS during the month of April 2011 that has been broken out by categories.

Migrant Trapping:

Upstream and downstream migrant traps at Salsipuedes Creek, Hilton Creek and the LSYR mainstem were installed on January 6, 2011. There were no storms that resulted in 0.1 inches of rain or greater at Bradbury Dam during then entire month. As a result, the tributary traps were deployed throughout the period. The LSYR Mainstem Trap was installed on 4/28/11 once the spill release rate was low enough to safely deploy and monitor traps. The trapping results for April are presented in Table 1.

Table 1: April migrant captures at Hilton Creek, LSYR mainstem and Salsipuedes Creek traps.

Location	Upstream Captures	Downstream Captures	Smolts	Anadromous Adults	Installed	Installed	Change Apr 2010 to 2011
					1/6/11	1/23/10	
					Total Apr2011*	Total Apr2010*	
Hilton Creek	17	24	12	1	41	53	-12
Salsipuedes Creek	14	49	49	3	63	35	28
LSYR Mainstem	0	0	0	0	0	21	-21

* Totals do not include recaptures

April 2011 showed a decrease in the number of upstream and downstream migrant fish observed at the Salsipuedes Creek Trap from March to April but an increase compared to April of last year. Hilton Creek Trap had less fish migrating in April than in March as well as a decrease in numbers from April of last year. The LSYR Mainstem Trap had no migrant fish observed throughout the month. Last year in April a passage supplementation release was conducted in April that resulted in 21 migrant fish observed in the LSYR Mainstem Trap during April of 2010. There four anadromous adult steelhead observed during the month; Hilton Creek (1) and in Salsipuedes Creek (3). As of the end of April, there has been a total of 7 anadromous adult steelhead observed; 1 at Hilton Creek and 6 at Salsipuedes Creek since the migration season began in January.

Redd Surveys:

The third round of redd surveys for the year were conducted within the LSYR mainstem in the Highway 154, Refugio, and Alisal reaches where access was permitted and certain sections of Hilton, Quiota, and Salsipuedes/El Jaro creeks. Seven resident rainbow trout redds (identified by their small size) were observed; 5 in El Jaro Creek and 2 in Hilton Creek. No redds were observed in Quiota Creek, Salsipuedes Creek, or within the management reaches of the LSYR. Redd surveys are conducted once a month from February through May.

Passage Supplementation:

With Lake Cachuma spilling since 3/20/11 and the lake fully surcharged, the Fish Passage Supplementation Account is now full at 3,200 acre-feet. It is unlikely that the Real-time Decision Group will call for a fish passage event given the date projected for the spill to end in May. The group is in communication and will be monitoring the situation.

Reporting:

Cachuma Project Biology Staff worked on annual monitoring reports and permit applications for the pending fall 2011 tributary projects.

Outreach and Training:

On 4/29/11, the Cachuma Project Biology staff conducted a half-day field tour of the fisheries monitoring and restoration efforts within the LSYR watershed for interested COMB Board and Member Unit board members as well as for the COMB general legal counsel. The Senior Resource Scientist continued to meet with landowners on Quiota Creek in preparation for constructing fish passage projects this fall.

Consultant Activity Summary (April):

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

HDR Fisheries Design Center (Mike Garelo) – Design work for Quiota Creek Crossings in preparation for project permitting, regulatory review and grant proposals.

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

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

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: May 23, 2011
TO: Board of Directors
FROM: Kate Rees, General Manager
Janet Gingras, Administrative Manager
RE: **COMB FY 2011-12 Preliminary Budget**

RECOMMENDATION:

None at this time. For review and discussion only.

DISCUSSION:

A preliminary draft FY 2011-12 Budget was presented to the Operating Committee at the May 4, 2011 meeting as well as to the Administration Committee meeting held on May 9, 2011. The attached preliminary budget was revised to incorporate suggested changes from the Operating and Administration Committee's, and additional modifications were made to more accurately reflect the anticipated funding needs for the Modified Upper Reach Reliability Project during next fiscal year. The project will span two fiscal years, FY 2011-12 and FY 2012-13, with about 70% of the total project cost pushed to FY 2012-13. A summary of the budget accounts is included, as well as the scopes of work for the consultants as back-up materials for the proposed budgeted items.

A cash flow spread sheet is also attached, per the Committee's request, reflecting the recommendation that the City of Santa Barbara pay its total annual COMB assessment in the first quarter so that COMB has sufficient operating capital to front the construction costs for the two Quiota Creek fish passage projects, and for that portion of the Modified Upper Reach Project that will be carried out during FY 2011-12. The cash flow spread sheet shows a net zero cash outlay (at the end of the fiscal year) for all Member Units except for the City for these projects.

The budget includes filling two vacant positions: Operations Supervisor and Water Service Worker I, with a 1% COLA for all employees. The recommendation from the Administration Committee was to include a 1% COLA for FY 2012 with the understanding that all employees will begin contributing 1% to the employee portion of the CalPERS retirement costs. This budget reflects that recommendation. There may be adjustments to salaries and benefits depending on the eventual recommendation of the Administration Committee. For now, the proposed budget reflects the current salaries and benefits package for all employees except for the General Manager's position, which has been budgeted at the top of the advertised salary range.

The budget has been divided into two divisions: Operations Division and Fisheries Division. The corresponding General & Administrative, Operation & Maintenance, and Capital Project work is divided to support the activities of each division. The amounts shown in the FY 2010-11 budget column are a combination of COMB and CCRB's FY 10-11 budget for each activity for comparative purposes.

Operations Division

Operations and Maintenance Expenses

In the Operations Division, the labor line item increased slightly due to a change in personnel. In the prior year, COMB operated with a vacant WSW III/SCADA position due to the acting Operations Supervisor vacating that position. As was mentioned previously, the proposed budget includes filling the Operations Supervisor position as well as a WSW I position, instead of a WSW III position.

The increase in Account 3302, Contract Labor for Buildings and Roads, is due to anticipated road repair in this fiscal year. Alternatively, Account 3303 is decreasing due to expected utilization of COMB staff for reservoir maintenance. The total Operations & Maintenance expenses increased slightly more than 4%.

General and Administrative Expenses

Under the General and Administrative portion of the Operations Division, the decrease in both the audit line item as well as the liability insurance line item is due to the nature of sharing these costs between the Operations and the Fisheries Divisions. The increase in Account 5201 (Health, Workers Comp., D/C, retirees) is due primarily to the addition of two COMB retirees for fiscal year 2012. The salaries for the administrative personnel indicate a decrease but are actually due to a change in the way the costs are split between the Operations Division and the Fisheries Division compared to prior years. This holds true for Account 5318, Computer Consultant, as well. (For information, we are in the process of negotiating a new cost structure with our outside IT services consultant.) The Interest Expense line item under G & A for the Operations Division is the prorated amount of interest the City of Santa Barbara would have earned had they invested the difference between their gross and actual assessment instead of allowing COMB to utilize these funds for its capital improvement projects. (See attached calculation from the City.) General and Administrative expenses decreased by a little over 3%.

Under Special G & A expenses, it is anticipated that the administrative costs for Proposition 50 and 84 grants will be less than the prior year. The Cost / Benefit Analysis line item has been added to this budget to address issues raised in previous discussions regarding O & M and capital improvement project cost sharing among the Member Units. These funds would be used to hire an outside consultant to perform an analysis of alternate cost sharing arrangements for COMB expenses.

Special Projects

The Special Projects section in the Operations Division reflects a decrease in previous O & M projects in anticipation of moving forward with the Modified Upper Reach Reliability Project. Expenditures for this project will be primarily reimbursed through the

Proposition 50 grant (\$3.2 million over two fiscal years). The budget reflects completing approximately 30% of the project in FY 11-12 with the remaining 70% being completed in the following fiscal year. With the recently approved extension of the Proposition 50 contract with the SWRCB, it is required that this project be completed by March 2013.

Fisheries Division

Operation and Maintenance Expenses

The Fisheries Division Labor Account shows a decrease compared to the prior year due to the change in the composition of personnel previously charged to this account. For FY 2011, half of the General Manager's salary and benefits and the entire Administrative Secretary salary and benefits were being charged to this account. These two personnel costs are now shown separately from the field crew personnel costs. The Fixed Capital line item, Account 4280, includes the purchase of a new field truck with equipment for FY 2012.

General and Administrative Expenses

The Audit and Liability insurance line item show the costs affiliated with the previously mentioned split between the Operations Division and the Fisheries Division. The Health Benefits and Worker Compensation line item show an increase in expenses primarily due to the shift in personnel from CCRB to COMB. Most all of the Administrative expense line items show a decrease due to the new structure on splitting costs. The Interest Expense line item under G & A for the Fisheries Division is the prorated amount of interest the City of Santa Barbara would have earned had they invested the difference in their gross vs. net assessment instead of allowing COMB to utilize these funds for fisheries special projects.

Special Projects

Most of the Special Projects line items have decreased compared to last year with the exception of the SYR Riverware Peer Review, which was added per a COMB Board decision on April 25, 2011. The Quiota Creek Fish Passage Projects at Crossing #2 and #7 are to fund the replacement of a two damaged low flow crossings with 60-foot bottomless arched culverts, and installation of rock weirs and riffles in the streambed for grade control and steelhead habitat improvement. These projects have been awarded grant funding through the Department of Fish and Game.

The total gross proposed FY 2011-12 COMB Budget is \$6,236,078. With projected offsetting revenues of \$3,119,718 from the Trust Fund/Renewal Fund, County Betterment Fund, DFG Grants, and Prop 50 grant, **the net FY 2011-12 COMB Budget is \$3,116,360.** Each Member Unit's share of the budget has been calculated based on the share of the various budgeted items each member unit is responsible for.

Respectfully Submitted,



Kate Rees
General Manager

kr.comb/admin/board memos_052311_prelim FY 11-12 budget

**Cachuma Operation & Maintenance Board
Proposed Draft Budget**

Fiscal Year 2011 - 2012

5/23/2011

Account Number	Account Name	FY 2010 / 11 * Comparative Budget	Estimated Actuals Thru 6/30/11	Proposed Draft Budget	Change	Percentage Change
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OPERATIONS DIVISION

OPERATION & MAINTENANCE EXPENSES

<i>LABOR***</i>						
3100	LABOR - Operations Field Crew	821,762	810,000	871,553	49,791	
	TOTAL	821,762	810,000	871,553	49,791	6.06%
<i>VEHICLES & EQUIPMENT</i>						
3201	VEHICLE/EQUIP MTCE	25,000	25,000	25,000	0	
3202	FIXED CAPITAL	10,000	10,000	10,000	0	
3203	EQUIPMENT RENTAL	5,000	5,000	5,000	0	
3204	MISC	5,000	5,000	5,000	0	
	TOTAL	45,000	45,000	45,000	0	0.00%
<i>CONTRACT LABOR</i>						
3301	CONDUIT, METER, VALVE	12,000	12,000	12,000	0	
3302	BUILDINGS & ROADS	10,000	10,000	20,000	10,000	
3303	RESERVOIRS	25,000	25,000	10,000	(15,000)	
3304	ENGINEERING, MISC SVCS	30,000	27,000	30,000	0	
	TOTAL	77,000	74,000	72,000	(5,000)	6.49%
<i>MATERIALS & SUPPLIES</i>						
3401	CONDUIT, METER, VALVE & MISC	25,000	25,000	25,000	0	
3402	BUILDINGS & ROADS	12,000	12,000	12,000	0	
3403	RESERVOIRS	10,000	10,000	10,000	0	
	TOTAL	47,000	47,000	47,000	0	0.00%
<i>OTHER EXPENSES</i>						
3501	UTILITIES	6,500	6,500	6,800	300	
3502	UNIFORMS	2,500	2,500	4,500	2,000	
3503	COMMUNICATIONS	20,000	20,000	20,000	0	
3504	USA & OTHER SERVICES	4,000	4,000	4,000	0	
3505	MISC	8,000	8,000	8,000	0	
3506	TRAINING	4,000	4,000	3,000	(1,000)	
	TOTAL	45,000	45,000	46,300	1,300	2.89%
	TOTAL O & M EXPENSE	1,035,762	1,021,000	1,081,853	46,091	4.45%

Cachuma Operation & Maintenance Board

Proposed Draft Budget

Fiscal Year 2011 - 2012

5/23/2011

Account Number	Account Name	FY 2010 / 11 * Comparative Budget	Estimated Actuals Thru 6/30/11	Proposed Draft Budget	Change	Percentage Change
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OPERATIONS DIVISION

GENERAL AND ADMINISTRATIVE EXPENSES**

5000	DIRECTORS FEES	12,000	12,000	12,000	(0)	
5100	AUDIT	20,000	20,000	13,000	(7,000)	
5101	LEGAL	75,000	75,000	75,000	0	
5150	UNEMPLOYMENT TAX	0	2,000	0	0	
5200	LIABILITY & PROPERTY INSURANCE	38,000	38,000	31,500	(6,500)	
5201	HEALTH, W/C, D/C, Retirees	127,886	127,800	142,048	14,162	
5250	PERS	41,362	41,362	42,085	723	
5339	FICA/MEDICARE	19,827	19,827	20,246	419	
5300	GENERAL MANAGER	103,600	103,600	115,500	11,900	
5301	ADMINISTRATIVE MANAGER	96,200	96,200	67,340	(28,860)	
5306	ADMINISTRATIVE ASSISTANT	59,436	59,436	43,170	(16,266)	
5304	ADMINISTRATIVE SECRETARY	55,211	55,211	38,648	(16,563)	
5310	POSTAGE / OFFICE SUPPLIES	10,000	7,000	11,200	1,200	
5311	OFFICE EQUIPMENT / LEASES	9,000	6,200	9,800	800	
5312	MISC. ADMIN. EXP.	12,000	12,000	12,000	0	
5313	COMMUNICATIONS	8,000	6,000	8,400	400	
5314	UTILITIES	7,000	8,000	8,500	1,500	
5315	MEMBERSHIP DUES	6,050	6,050	7,295	1,245	
5316	ADMIN. FIXED ASSETS	5,000	5,000	5,000	0	
5318	COMPUTER CONSULTANT	15,000	15,000	21,000	6,000	
5325	EMPLOYEE EDUCATION/TRAINING	3,000	3,000	3,000	0	
5330	ADMIN TRAV & CONFERENCES	3,000	3,000	3,000	0	
5331	PUBLIC INFO	1,000	1,000	1,000	0	
5332	TRANSPORTATION	1,000	1,000	1,000	0	
7006	INTEREST EXPENSE	0	0	20,000	20,000	
TOTAL GENERAL & ADMINISTRATIVE		728,572	723,686	711,732	(16,841)	-2.31%

SPECIAL G & A EXPENSES

5510	Integrated Regional Water Mgmt Plan	25,000	25,000	15,000	(10,000)	
5513	Cost / Benefit Analysis	0	0	25,000	25,000	
TOTAL SPECIAL G & A EXPENSES		25,000	25,000	40,000	15,000	60.00%

OPERATIONS DIVISION

SPECIAL PROJECTS

6062	SCADA	26,500	26,500	18,500	(8,000)	
6090	COMB Bldg/Grounds Repair	50,000	50,000	30,000	(20,000)	
6092	SCC Improv Plan & Design	130,000	130,000	50,000	(80,000)	
6096	SCC Structure Rehabilitation	60,000	60,000	37,500	(22,500)	
6097	GIS and Mapping	41,000	41,000	10,000	(31,000)	
6101	SCC Emergency Pipeline Repairs	0	0	205,000	205,000	
6102	Lauro Debris Basin Maintenance	0	0	76,175	76,175	
6103	Upper Reach Reliability Project - Phase I	0	0	1,200,000	1,200,000	
TOTAL SPECIAL PROJECTS		307,500	307,500	1,627,175	1,319,675	
TOTAL OPERATIONS DIVISION BUDGET		2,096,834	2,077,186	3,460,760	1,363,926	65.05%

**Cachuma Operation & Maintenance Board
Proposed Draft Budget**

Fiscal Year 2011 - 2012

5/23/2011

Account Number	Account Name	FY 2010 / 11 * Comparative Budget	Estimated Actuals Thru 6/30/11	Proposed Draft Budget	Change	Percentage Change
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FISHERIES DIVISION

OPERATION & MAINTENANCE EXPENSES

LABOR						
4100	LABOR - Biology Field Crew	601,208	423,000	425,339	(175,869)	
	TOTAL	601,208	423,000	425,339	(175,869)	-29.25%
VEHICLES & EQUIPMENT						
4270	VEHICLE/EQUIP MTCE	13,000	13,000	13,000	0	
4280	FIXED CAPITAL	15,000	15,000	30,000	15,000	
4290	MISCELLANEOUS	2,500	2,500	2,500	0	
	TOTAL	30,500	30,500	45,500	15,000	49.18%
CONTRACT LABOR						
4220	METERS & VALVES	3,000	3,000	3,000	0	
4221	FISH PROJECTS MAINTENANCE	15,000	15,000	15,000	0	
	TOTAL	18,000	18,000	18,000	0	0.00%
MATERIALS & SUPPLIES						
4390	MISCELLANEOUS	6,000	6,000	6,000	0	
	TOTAL	6,000	6,000	6,000	0	0.00%
OTHER EXPENSES						
4502	UNIFORMS	2,500	2,500	2,500	0	
	TOTAL	2,500	2,500	2,500	0	0.00%
	TOTAL O & M EXPENSE	658,208	480,000	497,339	(160,869)	-24.44%

FISHERIES DIVISION

GENERAL AND ADMINISTRATIVE EXPENSES***

5407	LEGAL	25,000	25,000	25,000	0	
5441	Audit	0	0	6,000	6,000	
5442	UNEMPLOYMENT TAX	2,000	2,200	0	(2,000)	
5443	LIABILITY & PROPERTY INSURANCE	10,000	10,000	13,500	3,500	
5401	HEALTH BENEFITS & W/C	29,749	29,749	39,396	9,647	
5402	PERS	19,799	19,799	18,037	(1,762)	
5403	FICA/MEDICARE	9,581	9,581	8,677	(904)	
5405	GENERAL MANAGER	44,000	44,000	49,500	5,500	
5408	ADMINISTRATIVE MANAGER	28,860	28,860	28,860	0	
5409	ADMINISTRATIVE ASSISTANT	18,502	18,502	18,502	(0)	
5404	ADMINISTRATIVE SECRETARY	16,563	16,563	16,563	0	
5410	POSTAGE / OFFICE SUPPLIES	10,000	10,000	4,800	(5,200)	
5411	OFFICE EQUIPMENT / LEASES	6,500	6,500	4,200	(2,300)	
5412	MISC. ADMIN. EXP.	10,000	11,000	6,000	(4,000)	
5413	COMMUNICATIONS	10,000	10,000	3,600	(6,400)	
5414	UTILITIES	7,000	7,000	4,500	(2,500)	
5415	MEMBERSHIP DUES	4,000	4,000	2,791	(1,210)	
5416	ADMIN. FIXED ASSETS	5,000	5,000	5,000	0	
5418	COMPUTER CONSULTANT	20,000	20,000	9,000	(11,000)	
5425	EMPLOYEE EDUCATION/SUBSCRIPTION	4,000	4,000	3,000	(1,000)	
5430	ADMIN TRAV & CONFERENCES	6,000	6,000	3,000	(3,000)	
5431	PUBLIC INFO	0	0	1,000	1,000	
5432	TRANSPORTATION	1,000	1,000	1,000	0	
5399	INTEREST EXPENSE	0	0	14,930	14,930	
	TOTAL GENERAL & ADMINISTRATIVE	287,554	288,754	286,855	(699)	-0.24%

**Cachuma Operation & Maintenance Board
Proposed Draft Budget**

Fiscal Year 2011 - 2012

5/23/2011

Account Number	Account Name	FY 2010 / 11 * Comparative Budget	Estimated Actuals Thru 6/30/11	Proposed Draft Budget	Change	Percentage Change
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FISHERIES DIVISION

SPECIAL PROJECTS

6201	BO/FMP Implementation	156,000	130,000	121,500	(34,500)	
6202	GIS and Mapping	20,000	20,000	10,000	(10,000)	
6203	Grants Technical Support	10,000	10,000	10,000	0	
6204	SYR Hydrology Technical Support	68,000	68,000	25,000	(43,000)	
6205	USGS Stream Gauge Program	73,000	73,000	75,000	2,000	
6206	Tri County Fish Team Funding	5,000	5,000	5,000	0	
6207	Oak Tree Restoration Program	150,000	144,000	80,000	(70,000)	
6208	Legislative & Steelhead Funding Support	8,000	2,000	8,000	0	
6209	SYR Riverware Model Peer Review	0	0	60,000	60,000	
6300	Habitat Enhancements					
6303	Tributary Projects Support	25,000	25,000	2,000	(23,000)	
6304	Quiota Creek Engineering Designs	79,000	79,000	33,000	(46,000)	
6307	Quiota Creek Crossing 2	0	0	735,501	735,501	
6308	Quiota Creek Crossing 7	0	0	826,123	826,123	
TOTAL SPECIAL PROJECTS		594,000	556,000	1,991,124	1,397,124	235.21%
TOTAL FISHERIES DIVISION BUDGET		1,539,762	1,324,754	2,775,318	1,235,556	80.24%
Total COMB Gross Budget		3,636,596	3,401,940	6,236,078	2,599,482	71.48%

Projected Offsetting Revenues:

Renewal Fund / Trust Fund	(268,094)
Santa Barbara County Betterment Fund	(90,000)
Dept. of Fish and Game Grant - Crossing 2	(735,501)
Dept. of Fish and Game Grant - Crossing 7	(826,123)
Upper Reach Reliability Project - Prop 50 Grant	<u>(1,200,000)</u>
Total Offsetting Revenues	<u>(3,119,718)</u>

TOTAL COMB NET BUDGET			3,116,360		
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Notes:

- * FY 2010-11 Comparative Budget reflects combination of CCRB and COMB prior year budgets for each line item
- ** General & Administrative Expenses are allocation at 70% Operations Division and 30% Fisheries Division with the exception of Directors Fees, Legal Fees, Membership dues, Admin Fixed Assets, Education, Travel, Public Info, Transportation, Interest Expense
- *** Operations Division Labor reflects: Operations Supervisor filled / WSW 3 filled with WSW 1
Labor accounts reflect a 1% COLA increase for FY 2012
CalPERS line item reflects employee contribution of 1% for current employees - 3.5% for new employees

Cachuma Operation & Maintenance Board
Operations & Maintenance Expenses - Operations Division
Proposed Draft Budget
Fiscal Year 2011 - 2012

5/23/2011

Account Number	Account Name	Description
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OPERATIONS and MAINTENANCE EXPENSES - Operations Division

LABOR

3100	LABOR OPS	871,553	Engineer, Ops Supervisor, Operations Field Crew salary/benefits
	TOTAL	871,553	

VEHICLES & EQUIPMENT

3201	VEHICLE/EQUIP MTCE	25,000	Ops & mtce costs of vehicles & equip including inspections
3202	FIXED CAPITAL	10,000	Misc replacement equipment
3203	EQUIPMENT RENTAL	5,000	Rental equipment
3204	MISC	5,000	Small tools, supplies for tools & equipment
	TOTAL	45,000	

CONTRACT LABOR

3301	CONDUIT, METER, VALVE	12,000	Heavy equip operators, Southwest Services
3302	BUILDINGS & ROADS	20,000	Republic Elevator; equip repair; heavy equip; landscape
3303	RESERVOIRS	10,000	Reservoir cleaning/silt vacuuming, etc
3304	ENGINEERING, MISC SVCS	30,000	CIP consultants, engineering training, design
	TOTAL	72,000	

MATERIALS & SUPPLIES

3401	CONDUIT, METER, VALVE & MI	25,000	Meters, air valves, fill materials, charts, locks, signs
3402	BUILDINGS & ROADS	12,000	Paint, windows, lights, gravel, spray, fencing, etc
3403	RESERVOIRS	10,000	Gravel, spray, fencing, etc.
	TOTAL	47,000	

OTHER EXPENSES

3501	UTILITIES	6,800	Electric; gas
3502	UNIFORMS	4,500	Uniforms; boots; raingear
3503	COMMUNICATIONS	20,000	Phones at facilities/Cell Phones/Ops & Mtce/SCADA comm
3504	USA & OTHER SERVICES	4,000	Underground Service Alerts
3505	MISC	8,000	Miscellaneous operational expenses (see page 6)
3506	TRAINING	3,000	Certs / classes
	TOTAL	46,300	

TOTAL O & M EXPENSE 1,081,853

ITEM # 7
PAGE 8

Cachuma Operation & Maintenance Board
OPERATIONS EXPENSES - OTHER
Proposed Draft Budget
Fiscal Year 2011 - 2012

5/23/2011

Account Number	Account Name	Totals	Amounts
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OTHER EXPENSES DETAIL

3501	Utilities	6,800	
	PGE		3,400
	Southern California Edison		3,400
3502	Uniforms	4,500	
	ATZ Monogramming		400
	The Wharf		3,400
	Kirkwood Silkscreen		700
3503	Communications	20,000	
	ATT		1,500
	Verizon		2,500
	SCADA		10,000
	Nextel		4,500
	Echo		1,500
3504	USA & Other Services	4,000	
	USA		1,500
	Safety-Kleen		1,500
	County of Santa Barbara		500
	Draganchuk		500
3505	Miscellaneous	8,000	
	Non-fixed assets		1,000
	OD computer/office		1,000
	City of SB Refuse		3,000
	Marborg Industries		2,000
	OD Employment Ads		1,000
3506	Education / Training Operations	3,000	
	TOTAL	46,300	

Cachuma Operation & Maintenance Board

Labor Detail - Operations Division

Proposed Draft Budget

Fiscal Year 2011 / 12

Position	Detailed annual costs		Cola increase	Annual Salary
	PERS, Health Plan, Life, EAP, D/C		1.00%	

OPERATIONS PAYROLL AND RELATED EXPENSES

Engineer								103,305
PERS-EE	6,250	PERS-ER	12,005	DENTAL	792	D/C		18,600
VISION	216	CO FICA	9,326	LIFE	67			
MEDICAL	0	WCOMP	7,118	EAP	48			
Ops Supervisor - to be filled								86,864
PERS-EE	3,040	PERS-ER	10,094	DENTAL	792	D/C		0
VISION	216	CO FICA	6,645	LIFE	67			
MEDICAL	16,056	WCOMP	5,985	EAP	48			
Eng Tech I								61,079
PERS-EE	3,695	PERS-ER	7,098	DENTAL	792	D/C		11,806
VISION	216	CO FICA	5,576	LIFE	31			
MEDICAL	6,799	WCOMP	4,208	EAP	48			
WSW III								66,018
PERS-EE	3,994	PERS-ER	7,672	DENTAL	792	D/C		0
VISION	216	CO FICA	5,050	LIFE	67			
MEDICAL	18,600	WCOMP	4,549	EAP	48			
WSW III								61,341
PERS-EE	3,711	PERS-ER	7,128	DENTAL	792	D/C		2,544
VISION	216	CO FICA	4,887	LIFE	91			
MEDICAL	16,056	WCOMP	4,226	EAP	48			
WSW I								48,661
PERS-EE	2,944	PERS-ER	5,655	DENTAL	792	D/C		11,806
VISION	216	CO FICA	4,626	LIFE	34			
MEDICAL	6,799	WCOMP	3,353	EAP	48			
WSW I								45,818
PERS-EE	2,772	PERS-ER	5,325	DENTAL	792	D/C		0
VISION	216	CO FICA	3,505	LIFE	29			
MEDICAL	18,600	WCOMP	3,157	EAP	48			
WSW I - to be filled								45,818
PERS-EE	1,604	PERS-ER	5,325	DENTAL	792	D/C		0
VISION	216	CO FICA	3,505	LIFE	34			
MEDICAL	16,056	WCOMP	3,157	EAP	48			
PERS	88,312	HEALTH	107,834	FICA	43,120	W/C		35,752
D/C	44,757							
OPERATIONS SALARY SUBTOTAL								518,904
OT & On-Call @ 10% PROJECTED								32,874
TOTAL OPERATIONS SALARY PLUS BENEFITS								871,553

Cachuma Operation & Maintenance Board
General and Administrative Expenses - Operations Division
Proposed Draft Budget
Fiscal Year 2011 - 2012

5/23/2011

<i>Account Number</i>	<i>Account Name</i>	<i>Description</i>
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GENERAL AND ADMINISTRATIVE EXPENSES

5000	DIRECTORS FEES	12,000	Directors Fees
5100	AUDIT	13,000	Audit
5101	LEGAL	75,000	Legal
5200	GENERAL LIABILITY INSURANCE	31,500	General liability premiums
5201	HEALTH, WC, DC, Retirees	142,048	Includes retirees health premiums
5250	CAL-PERS	42,085	PERS employer portion increased slightly
5339	FICA / MEDICARE	20,246	Payroll driven
5300	SALARY - GM	115,500	General Manager Salary
5301	SALARY - AM	67,340	Administrative Manager Salary
5306	SALARY - AA	43,170	Administrative Assistant Salary
5304	SALARY - AS	38,648	Administrative Secretary Salary
5310	POSTAGE/OFFICE SUPPLIES	11,200	Ofc supplies/postage
5311	OFFICE EQUIP/LEASES	9,800	Copiers lease / maintenance / Pitney Bowes
5312	MISC ADMIN EXP	12,000	Janitor / Paychex / (see pg 9)
5313	COMMUNICATIONS	8,400	COX / Verizon / ATT
5314	UTILITIES	8,500	SCE / SC Gas
5315	MEMBERSHIP DUES	7,295	ACWA / AWWA / CWWP
5316	ADMIN FIXED ASSETS	5,000	Computers/Office Furniture
5318	COMPUTER CONSULTANT	21,000	Technical Expertise
5325	EMPLOYEE EDUCATION/SUBSCRIPTIONS	3,000	Admin Expense
5330	TRAVEL & CONF.	3,000	COMB travel
5331	PUBLIC INFO	1,000	Newspaper ads/public announcements
5332	TRANSPORTATION	1,000	Staff car
7006	INTEREST EXPENSE	20,000	Interest on Prepaid Assessment - City of SB
TOTAL		711,732	

Notes:

Administrative salaries/burden are allocated as 30% Fisheries Division and 70% Operations based on number of personnel in each division.

Cachuma Operation & Maintenance Board
ADMINISTRATIVE EXPENSES - OD
Proposed Draft Budget
Fiscal Year 2011 - 2012

5/23/11

Account Number	Account Name	Totals	Detail
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GENERAL AND ADMINISTRATIVE DETAIL

5000	Directors Fees	12,000	
5100	Audit	13,000	
5101	Legal	75,000	
5200	Liability & Property Insurance	31,500	
	Property		3,500
	Crime Coverage		700
	General Liability		27,300
5310	Postage and Office Supplies	11,200	
5311	Office Equipment & Leases	9,800	
	Coastal Copy		2,100
	Culligan Water		700
	GE Capital		4,900
	Pitney Bowes		2,100
5312	Misc Admin. Expense	12,000	
	Office Cleaning		6,000
	Paychex		5,600
	Misc items		400
5313	Communications	8,400	
	ATT		1,400
	Nextel Communications		2,100
	Verizon		1,400
	COX Cable Online		3,500
5314	Utilities	8,500	
	Southern California Edison		5,000
	The Gas Company		3,500
5315	Membership Dues	7,295	
	ACWA		4,820
	AWWA		425
	CVWP		850
	County News Clipping Service		550
	Other Dues		650
5316	Admin. Fixed Assets	5,000	
5318	Computer Consultant	21,000	
			21,000
5325	Employee Education/Subscriptions	3,000	
	Education		2,000
	Subscriptions		1,000
5330	Admin. Travel / Conferences	3,000	
5331	Public Information	1,000	
	Website Development		1,000
5332	Transportation	1,000	
7006	Interest Expense	20,000	
	TOTAL	242,695	

Cachuma Operation & Maintenance Board
Labor Detail - Administration
Proposed Draft Budget
Fiscal Year 2011 / 12

Position	Detailed annual costs <i>PERS, Health Plan, Life, EAP, D/C</i>	Cola increase <i>1.00%</i>	Annual Salary
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ADMINISTRATIVE PAYROLL AND RELATED EXPENSES

GM						165,000	
PERS-EE	5,775	PERS-ER	19,175	DENTAL	792	D/C	0
VISION	216	CO FICA	12,623	LIFE	130		
MEDICAL	16,056	WCOMP	1,287	EAP	48		
Admin. Manager						97,162	
PERS-EE	5,878	PERS-ER	11,291	DENTAL	792	D/C	11,806
VISION	216	CO FICA	8,336	LIFE	67		
MEDICAL	6,799	WCOMP	758	EAP	48		
Admin. Assistant						60,015	
PERS-EE	3,631	PERS-ER	6,974	DENTAL	792	D/C	11,806
VISION	216	CO FICA	5,494	LIFE	50		
MEDICAL	6,799	WCOMP	468	EAP	48		
Admin. Secretary						55,763	
PERS-EE	3,374	PERS-ER	6,480	DENTAL	792	D/C	11,806
VISION	216	CO FICA	5,169	LIFE	130		
MEDICAL	6,799	WCOMP	435	EAP	48		
Retirees medical	61,752						
PERS	52,724	HEALTH	102,806	FICA	31,622	W/C	2,948
D/C	35,419						
ADMINISTRATIVE SALARY SUBTOTAL						377,940	
TOTAL ADMINISTRATIVE SALARY PLUS BENEFITS						603,460	

Cachuma Operation & Maintenance Board
SPECIAL PROJECTS - Operations Division
Proposed Draft Budget
Fiscal Year 2011 - 2012

5/23/2011

Account Number	Account Name	Description
6062	SCADA	18,500
	Tesco Controls	10,000 Annual Maintenance Contract
	Miscellaneous	8,500 Misc expenses affiliated with equip replacement/repair/training
6090	COMB Building/Grounds Repair	30,000
	Miscellaneous Contractors	30,000 Repair and mtce of facilities and grounds
6092	SCC Improv Plan and Design	50,000
	AECOM	40,000 Assessment of PCCP (Task Order #38)
	Flowers & Associates	10,000 Brown Property Inspection
6096	SCC Structure Rehabilitation	37,500
	Farwest Corrosion Control	7,500 Lauro Yard Cathodic Protection
	Howard Ridley Company	30,000 North Portal crack sealing - elevator shaft
6097	GIS and Mapping	10,000
		10,000 Software, licensing, support/additional mapping
6101	SCC Emergency Pipeline Materials	205,000
	Vendor	205,000 Purchase pipeline sections, nozzels, connections, etc.
6102	Lauro Debris Basin Maintenance	76,175
	Granite Construction Co.	40,000 Debris basin clean out / slope stabilization
	Melinda Fournier	36,175 Lauro restoration mitigation
6103	Upper Reach Reliability Project - Phase I	1,200,000
	Contractor/Consultant	1,200,000 SCC - MURRP
TOTAL Special Projects		<u>1,627,175</u>

Cachuma Operation & Maintenance Board
 Operations & Maintenance Expenses - Fisheries Division
 Proposed Draft Budget
 Fiscal Year 2011 - 2012

5/23/2011

Account Number	Account Name	Description
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OPERATIONS and MAINTENANCE EXPENSES - Fisheries Activites

<u>LABOR</u>		
4100	LABOR	425,339 Biology Field Crew salary/benefits
	TOTAL	425,339
 <u>VEHICLES & EQUIPMENT</u>		
4270	VEHICLES MAINT	13,000 Fuel, tires, maintenance, etc.
4280	FIXED CAPITAL	30,000 Equipment / New vehicle
4290	MISC	2,500 Miscellaneous
	TOTAL	45,500
 <u>CONTRACT LABOR</u>		
4221	METERS & VALVES	3,000 Calibration of flow meters and sonde meters
4222	FISH PROJECTS MT. WORK	15,000 Maintenance of fish passage projects
	TOTAL	18,000
 <u>MATERIALS & SUPPLIES</u>		
4390	MISC	6,000 Misc supplies/additional monitoring equipment
	TOTAL	6,000
 <u>OTHER EXPENSES</u>		
4502	UNIFORMS	2,500 Biology crew gear
	TOTAL	2,500
	 <u>TOTAL O & M EXPENSE</u>	 <u>497,339</u>

Cachuma Operation & Maintenance Board
General and Administrative Expenses - Fisheries Division
Proposed Draft Budget
Fiscal Year 2011 - 2012

5/23/2011

Account Number	Account Name	Description
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GENERAL AND ADMINISTRATIVE EXPENSES

5441	AUDIT	6,000	Annual Audit
5407	LEGAL	25,000	Legal
5443	GENERAL LIABILITY INSURANCE	13,500	General liability premiums
5401	HEALTH & WORKERS COMP. INSURANCE	39,396	Includes retirees health premiums
5402	CAL-PERS	18,037	PERS employer portion increased slightly
5403	FICA / MEDICARE	8,677	Payroll driven
5405	SALARY - General Manager	49,500	General Manager Salary
5408	SALARY - Administrative Manager	28,860	Administrative Manager Salary
5409	SALARY - Administrative Assistant	18,502	Administrative Assistant Salary
5404	SALARY - Administrative Secretary	16,563	Administrative Secretary Salary
5410	POSTAGE/OFFICE SUPPLIES	4,800	Ofc supplies/postage
5411	OFFICE EQUIP/LEASES	4,200	Copiers lease / maintenance / Pitney Bowes
5412	MISC ADMIN EXP	6,000	J&C janitorial / Paychex / Website mtce & updates/misc
5413	COMMUNICATIONS	3,600	COX / Verizon / ATT
5414	UTILITIES	4,500	SCE / SC Gas
5415	MEMBERSHIP DUES	2,791	Fisheries Associations
5416	ADMIN FIXED ASSETS	5,000	Computers/Office Furniture
5418	COMPUTER CONSULTANT	9,000	Technical Expertise
5425	EMPLOYEE EDUCATION/SUBSCRIPTIONS	3,000	Admin Expense
5430	TRAVEL & CONF.	3,000	Travel Expenses
5431	PUBLIC INFO	1,000	Newspaper ads/public announcements
5432	TRANSPORTATION	1,000	Staff car
5499	INTEREST EXPENSE	14,930	Interest expense on prepaid assessment - City of SB
TOTAL		286,855	

Notes:

Administrative salaries/burden are allocated as 30% Fisheries Division and 70% Operations Division based on personnel allocation.

Cachuma Operation & Maintenance Board
ADMINISTRATIVE EXPENSES - Fisheries Division
Proposed Draft Budget
Fiscal Year 2011 - 2012

5/23/11

Account Number	Account Name	Totals	Detail
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GENERAL AND ADMINISTRATIVE DETAIL

5407	Legal	25,000	
5441	Audit	6,000	
5443	Liability & Property Insurance	13,500	
	Property		1,500
	Crime Coverage		300
	General Liability		11,700
5410	Postage and Office Supplies	4,800	
5411	Office Equipment & Leases	4,200	
	Coastal Copy		900
	Culligan Water		300
	GE Capital		2,100
	Pitney Bowes		900
5412	Misc Admin. Expense	6,000	
	J & C Services		3,600
	Paychex		2,400
5413	Communications	3,600	
	ATT		600
	Nextel Communications		900
	Verizon		600
	COX Cable Online		1,500
5414	Utilities	4,500	
	Southern California Edison		3,000
	The Gas Company		1,500
5415	Membership Dues	2,791	
	American Fisheries Society		500
	ACWA		2,066
	County News Service		225
5416	Admin. Fixed Assets	5,000	
5418	Computer Consultant	9,000	
			9,000
5425	Employee Education/Subscriptions	3,000	
	Education		2,000
	Subscriptions		1,000
5430	Admin. Travel / Conferences	3,000	
5431	Public Information	1,000	
	Website Development		1,000
5432	Transportation	1,000	
5499	Interest Expense	14,930	
		107,321	
	TOTAL	107,321	

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Cachuma Operation & Maintenance Board
Labor Detail - Fisheries Division
Proposed Draft Budget
Fiscal Year 2011 / 12

Position	Detailed annual costs <i>PERS, Health Plan, Life, EAP, D/C</i>	Cola increase 1.00%	Annual Salary
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FISHERIES DIVISION PAYROLL AND RELATED EXPENSES

SR. RES. SCIENTIST					92,445
PERS-EE	5,593	PERS-ER	10,743	DENTAL	780
VISION	216	CO FICA	7,072	LIFE	149
MEDICAL	6,799	WCOMP	6,369	EAP	48
PROJECT BIOLOGIST					87,431
PERS-EE	5,290	PERS-ER	10,160	DENTAL	780
VISION	216	CO FICA	6,688	LIFE	149
MEDICAL	6,799	WCOMP	6,024	EAP	48
BIOLOGIST					66,667
PERS-EE	4,033	PERS-ER	7,747	DENTAL	780
VISION	216	CO FICA	5,100	LIFE	149
MEDICAL	18,600	WCOMP	4,593	EAP	48
PERS	43,567	HEALTH	35,777	FICA	18,861
Total Payroll					270,149
Seasonal Temps					40,000
Total					425,339

Cachuma Operation & Maintenance Board
Special Projects - Fisheries Division
Proposed Draft Budget

Fiscal Year 2011 - 2012

5/23/2011

Account Number	Account Name	Totals	Description
6201	Biological Opinion/FMP Implementation	121,500	48,000 BO Compliance Tasks and Support
			8,000 AMC and CC participation and tech support
			13,500 Bed and Banks memo
			47,000 Fisheries monitoring program support
			5,000 Project Management
6202	GIS and mapping	10,000	10,000 GIS Tech support, materials, equip, software
6203	Grants Technical Support	10,000	10,000 Technical support for grants research and management
6204	SYR Hydrology Technical Support Hydrology Consultant	25,000	25,000 Hydrologic Modeling support
6205	USGS Stream Gauge Program*	75,000	75,000 USGS Stream Gauge Program
6206	Tri County Fish Team Funding	5,000	5,000 Tri County Fish Team participation
6207	Oak Tree Restoration Program Melinda Fournier	80,000	80,000 Oak Tree Mitigation for Surcharge; Maintenance
6208	Legislative & Steelhead Funding Support Price, Postel & Parma	8,000	8,000 Federal & State legislative assistance
Subtotal		334,500	
6209	SYR Riverware Model Peer Review Hydrology Consultant	60,000	60,000 Peer Review for Riverware Model

TOTAL Special Projects 394,500

* Reimbursed through County of Santa Barbara Betterment Fund

Cachuma Operation & Maintenance Board
Habitat Enhancements - Fisheries Division
Proposed Draft Budget
Fiscal Year 2011 - 2012

5/23/2011

Account Number	Account Name
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6303	Tributary Projects Support HDR FishPro	2,000			
			2,000		
6304	Quiota Creek Engineering Designs HDR FishPro	33,000		33,000	Design support
6307	Quiota Creek Crossing 2 Contractor/Consultants HDR FishPro	735,501		725,501	Tributary Projects
				10,000	
6308	Quiota Creek Crossing 7 Contractor/Consultants HDR FishPro	826,123		816,123	Tributary Projects
				10,000	

TOTAL Habitat Enhancements 1,596,624

Grants Status:

Awarded January 2011

CDFG Grant - Crossing 2	\$ 735,501	
CDFG Grant - Crossing 7	<u>442,736</u>	
		\$ 1,178,237

Pending Award in June 2011

NOAA - Open River Initiative - Crossing 7	\$ <u>383,387</u>	
		\$ 383,387
		<u>\$ 1,561,624</u>

CACHUMA OPERATION & MAINTENANCE BOARD

Proposed Budget Allocation for FY 2011-12 OPERATIONS DIVISION

5/23/2011

ID#1 Allocated Costs (SC Ops Div)		Percentage	DOLLAR \$
Cost / Benefit Analysis	\$25,000	10.31%	\$ 2,578
Buildings / Grounds Repair	\$30,000	10.31%	\$ 3,093
TOTAL			\$ 5,671

Directors Fees (All M/U equal share)		
MEMBER UNIT	Percentage	DOLLARS \$
Goleta Water District	20.00%	\$ 2,400
City of Santa Barbara	20.00%	\$ 2,400
Carpinteria Valley Water District	20.00%	\$ 2,400
Montecito Water District	20.00%	\$ 2,400
SYRWCD ID#1	20.00%	\$ 2,400
TOTAL	100.00%	\$ 12,000

MURRP Interest		
MEMBER UNIT	Percentage	DOLLARS \$
Goleta Water District	63.04%	\$ 12,609
Carpinteria Valley Water District	19.03%	\$ 3,805
Montecito Water District	17.93%	\$ 3,586
TOTAL	100.00%	\$ 20,000

SCMU Allocated Costs (SC Ops Div)		
MEMBER UNIT	Percentage	DOLLARS \$
Goleta Water District	40.42%	\$ 1,383,613
City of Santa Barbara	35.88%	\$ 1,228,205
Carpinteria Valley Water District	12.20%	\$ 417,617
Montecito Water District	11.50%	\$ 393,655
TOTAL	100.00%	\$ 3,423,090

TOTAL Operations Division Budget		
MEMBER UNIT	Actual %	DOLLARS \$
Goleta Water District	40.41%	\$ 1,398,621
City of Santa Barbara	35.56%	\$ 1,230,605
Carpinteria Valley Water District	12.25%	\$ 423,822
Montecito Water District	11.55%	\$ 399,641
Santa Ynez River Wtr Consv Dist, ID#1	0.23%	\$ 8,071
TOTAL	100.00%	\$ 3,460,760

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CACHUMA OPERATION & MAINTENANCE BOARD

Proposed Budget Allocation for FY 2011-12

FISHERIES DIVISION

O & M, G & A, Special Projects		
MEMBER UNIT	Percentage	DOLLARS \$
Goleta Water District	36.25%	\$ 978,891
City of Santa Barbara	32.19%	\$ 869,255
Carpinteria Valley Water District	10.94%	\$ 295,422
Montecito Water District	10.31%	\$ 278,410
Santa Ynez River Wtr ConservDist,ID#1	10.31%	\$ 278,410
TOTAL Fisheries Division Budget	100.00%	\$ 2,700,388
FD Interest		
MEMBER UNIT	Percentage	DOLLARS \$
Goleta Water District	53.46%	\$ 7,981
Carpinteria Valley Water District	16.13%	\$ 2,409
Montecito Water District	15.20%	\$ 2,270
Santa Ynez River Wtr ConservDist,ID#1	15.20%	\$ 2,270
TOTAL Fisheries Division Budget	100.00%	\$ 14,930
SYR Riverware Model Peer Review		
MEMBER UNIT	Percentage	DOLLARS \$
Goleta Water District	20.00%	\$ 12,000
City of Santa Barbara	20.00%	\$ 12,000
Carpinteria Valley Water District	20.00%	\$ 12,000
Montecito Water District	20.00%	\$ 12,000
Santa Ynez River Wtr ConservDist,ID#1	20.00%	\$ 12,000
TOTAL Fisheries Division Budget	100.00%	\$ 60,000
MEMBER UNIT TOTALS	Actual %	DOLLARS \$
Goleta Water District	38.45%	\$ 2,397,493
City of Santa Barbara	33.87%	\$ 2,111,859
Carpinteria Valley Water District	11.76%	\$ 733,653
Montecito Water District	11.10%	\$ 692,321
Santa Ynez River Wtr Consv Dist, ID#1	4.82%	\$ 300,750
TOTAL GROSS COMB BUDGET	100.00%	\$ 6,236,078

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CACHUMA OPERATION & MAINTENANCE BOARD

FY 2011 - 2012 Budget Allocation

Renewal Fund / Trust Fund Offset		DOLLARS \$
Goleta Water District	37.58%	(\$100,750)
City of Santa Barbara	33.17%	(\$88,932)
Carpinteria Valley Water District	11.27%	(\$30,224)
Montecito Water District	10.62%	(\$28,484)
Santa Ynez River Wtr Conserv Dist, ID#1	7.35%	(\$19,704)
TOTAL	100.00%	(\$268,094)

County Betterment Fund Offset	Percentage	DOLLARS \$
Goleta Water District	36.25%	\$ (32,625)
City of Santa Barbara	32.19%	\$ (28,971)
Carpinteria Valley Water District	10.94%	\$ (9,846)
Montecito Water District	10.31%	\$ (9,279)
Santa Ynez River Wtr Conserv Dist, ID#1	10.31%	\$ (9,279)
TOTAL	100.00%	(\$90,000)

Proposition 50 Grant Reimbursement	Percentage	DOLLARS \$
Goleta Water District	40.42%	\$ (485,004)
City of Santa Barbara	35.89%	\$ (430,683)
Carpinteria Valley Water District	12.20%	\$ (146,371)
Montecito Water District	11.50%	\$ (137,942)
TOTAL		\$ (1,200,000)

DFG Grant Reimbursement	Percentage	DOLLARS \$
Goleta Water District	36.25%	\$ (566,089)
City of Santa Barbara	32.19%	\$ (502,687)
Carpinteria Valley Water District	10.94%	\$ (170,842)
Montecito Water District	10.31%	\$ (161,003)
Santa Ynez River Wtr Conserv Dist, ID#1	10.31%	\$ (161,003)
TOTAL		\$ (1,561,624)

NET TOTAL COMB BUDGET	Percentage	DOLLARS \$
Goleta Water District	38.92%	\$ 1,213,026
City of Santa Barbara	34.03%	\$ 1,060,586
Carpinteria Valley Water District	12.08%	\$ 376,371
Montecito Water District	11.41%	\$ 355,614
Santa Ynez River Wtr Conserv Dist, ID#1	3.55%	\$ 110,764
TOTAL		\$ 3,116,361

Quarterly Assessments	Percentage	DOLLARS \$
Goleta Water District		\$ 303,257
City of Santa Barbara		\$ 265,147
Carpinteria Valley Water District		\$ 94,093
Montecito Water District		\$ 88,903
Santa Ynez River Wtr Conserv Dist, ID#1		\$ 27,691
TOTAL		\$ 779,090

Notes:

- 1) General & Administrative Expenses are allocated at 70% Operations Division and 30% Fisheries Division with the exception of Directors Fees, Legal Fees, Membership dues, Admin Fixed Assets, Education, Travel, Public Info, Transportation, Interest Expense
- 2) Directors fees are allocated equally among all member units using .20 as multiplier
- 3) MURRP interest is allocated at appropriate Cachuma Entitlement Percentage
- 4) Cost/Benefit analysis is allocated at Cachuma Entitlement Percentage
- 5) COMB Buildings/Grounds Repair is allocated at Cachuma Entitlement Percentage
- 6) South Coast Operations Division is allocated at SCMU Entitlement Percentages
- 7) MURRP interest is allocated at appropriate Cachuma Entitlement Percentage
- 8) SYR Riverware Model Peer Review is allocated equally among all member units using .20 as multiplier
- 9) Fisheries Division is allocated at Cachuma Entitlement Percentages

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**CITY OF SANTA BARBARA PRE-PAYMENT OF COMB ASSESSMENT
INTEREST SCHEDULE
Prepared May 17, 2011**

7/1/2011	City SB Assessment - FY12	\$ 2,117,326
	Credit for regular qrtly pmt	\$ (266,513)
	Net pre-payment @ 7/1/2011	\$ 1,850,813

City SB Portfolio Yield	
FY10 Avg	2.685%
YTD thru Apr 11	2.053%
Average	2.369%
<i>Average used for loan rate</i>	

COMB LOAN AMORTIZATION SCHEDULE		ACTIVITY	PRINCIPAL BAL
07/01/11	City SB - Pre-payment of assessment	\$ 2,117,326	\$ 2,117,326
07/01/11	Credit quarterly pmt-City SB	(266,513)	1,850,813
08/01/11	Accrued interest - Jul 2011	3,724	1,854,537
09/01/11	Accrued interest - Aug 2011	3,731	1,858,268
10/01/11	Accrued interest - Sep 2011	3,618	1,861,887
10/01/11	Credit quarterly pmt-City SB	(266,513)	1,595,374
11/01/11	Accrued interest - Oct 2011	3,210	1,598,583
12/01/11	Accrued interest - Nov 2011	3,113	1,601,696
01/01/12	Accrued interest - Dec 2011	3,223	1,604,919
01/01/12	Credit quarterly pmt-City SB	(266,513)	1,338,406
02/01/12	Accrued interest - Jan 2012	2,693	1,341,099
03/01/12	Accrued interest - Feb 2012	2,524	1,343,623
04/01/12	Accrued interest - Mar 2012	2,703	1,346,326
04/01/12	Credit quarterly pmt-City SB	(266,513)	1,079,813
05/01/12	Accrued interest - Apr 2012	2,103	1,081,916
06/01/12	Accrued interest - May 2012	2,177	1,084,093
07/01/12	Accrued interest - Jun 2012	2,111	1,086,204
08/01/12	Accrued interest - Jul 2012	2,185	1,088,389
09/01/12	Accrued interest - Aug 2012	2,190	1,090,579
10/01/12	Accrued interest - Sep 2012	2,123	1,092,702
11/01/12	Accrued interest - Oct 2012	2,199	1,094,901
12/01/12	Accrued interest - Nov 2012	2,132	1,097,033
01/01/13	Accrued interest - Dec 2012	2,207	1,099,240
02/01/13	Accrued interest - Jan 2013	2,212	1,101,452
03/01/13	Accrued interest - Feb 2013	2,002	1,103,453
04/01/13	Accrued interest - Mar 2013	2,220	1,105,674
05/01/13	Accrued interest - Apr 2013	2,153	1,107,827
06/01/13	Accrued interest - May 2013	2,229	1,110,056
07/01/13	Accrued interest - Jun 2013	2,161	\$ 1,112,217

COMB Draft Budget FY 2011-12
Projected Cash Flow

5/23/2011

COMB Projected Budget FY 2012-13
Projected Cash Flow

	FY 2011 - 2012				TOTALS	FY 2012 - 2013				TOTALS
	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr		1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	
Revenues										
Previous Qtr Funds	0	536,138	909,950	873,762		537,574	382,574	137,574	92,574	
City of Santa Barbara	2,117,326	0	0	0	2,117,326	400,000	400,000	400,000	400,000	1,600,000
GWD	299,648	299,648	299,648	299,648	1,198,592	420,000	420,000	420,000	420,000	1,680,000
MWD	87,877	87,877	87,877	87,877	351,508	130,000	130,000	130,000	130,000	520,000
CWWD	93,004	93,004	93,004	93,004	372,016	140,000	140,000	140,000	140,000	560,000
SYRWCD ID#1	28,283	28,283	28,283	28,283	113,132	30,000	30,000	30,000	30,000	120,000
Grant QC #2	0	635,000	100,000	0	735,000	0	0	0	0	-
Grant QC #7	0	550,000	275,000	0	825,000	0	0	0	0	-
Prop 50 Grant Funds	65,000	150,000	275,000	375,000	865,000	400,000	855,000	400,000	680,000	2,335,000
Totals	2,691,138	2,379,950	2,068,762	1,757,574	6,577,574	2,057,574	2,357,574	1,657,574	1,892,574	7,352,574
Expenses										
Operations Division	540,000	540,000	540,000	540,000	2,160,000	540,000	540,000	540,000	540,000	2,160,000
Fisheries Division	280,000	280,000	280,000	280,000	1,120,000	280,000	280,000	280,000	280,000	1,120,000
QC #2	635,000	100,000	0	0	735,000	0	0	0	0	0
QC #7	550,000	275,000	0	0	825,000	0	0	0	0	0
SCCURRP	150,000	275,000	375,000	400,000	1,200,000	855,000	1,400,000	745,000	0	3,000,000
Totals	2,155,000	1,470,000	1,195,000	1,220,000	6,040,000	1,675,000	2,220,000	1,565,000	820,000	6,280,000
Gross Funds	536,138	909,950	873,762	537,574	537,574	382,574	137,574	92,574	1,072,574	1,072,574
Return to City	0	0	0	0	0	0	0	0	(1,051,273)	0
Utilize for following Qtr	536,138	909,950	873,762	537,574	6,577,574	382,574	137,574	92,574	21,301	7,352,574

CACHUMA OPERATION AND MAINTENANCE BOARD

FISCAL YEAR 2011-2012

BUDGET SUMMARY

The Cachuma Operation and Maintenance Board was formed as a joint powers agency organized by the Cachuma Member Units pursuant to the provisions of Articles 1,2, and 4 of Chapter 5, Division 7, Title 1 of the California Government Code (section 6500 et seq.) And the "1996 Amended and Restated Agreement for the Establishment of a Board of Control to Operate and Maintain the Cachuma Project - Cachuma Operation and Maintenance Board." The 1996 Amended and Restated Agreement, Contract No. 14-06-200-5222R "Contract for the Transfer of Operation and Maintenance of the Cachuma Transferred Project Works" by and between the United States and COMB, Contract No. 175r-1802R "Contract Between the United States and Santa Barbara County Water Agency Providing for Water Service from the Project," and the "Cachuma Project Member Units Contracts" between the County Water Agency and each of COMB's five Member Units, provide for the rights to, the facilities of, and the operation, maintenance and use of the United States, Department of the Interior, Bureau of Reclamation project known as the Cachuma Project, including storage, treatment, transport and appurtenant facilities, and all necessary tangible and intangible property and rights. COMB is also provided the authority for the financing of "costs" for the capture, development, treatment, storage, transport and delivery of water.

OPERATIONS AND MAINTENANCE DIVISION:

Program Description

To maintain and support all associated costs of operating and maintaining the Tecolote Tunnel, South Coast Conduit and all appurtenant facilities and four reservoirs; Glen Anne, Lauro, Carpinteria and Ortega reservoirs.

LABOR - 3100

Operation and Maintenance Labor is actual labor costs of the total salaries and benefits for a five member field crew, an Engineering Technician, the Operations Supervisor, and a Professional Engineer position. The benefits include medical, dental and vision insurance coverage, a \$20,000 life insurance policy per employee, deferred compensation, social security contributions, mandatory workers' compensation coverage, an employee assistance program (EAP), FICA/Medicare and a CalPERS retirement contribution (2% @ 55 formula). All position salaries are recorded individually with any appropriate increases considered on a semi-annual basis. For FY 2011-12, a WSW III position will be filled with a WSW I position. There is a 1% cola factored in for this proposed fiscal year budget which is offset by a 1% employee contribution to PERS.

Total of this account: \$ 871,553

VEHICLES & EQUIPMENT – 3201 thru 3204

The Vehicles and Equipment account is made up of four subaccounts which include funds for the purchase of vehicles, fuel, parts, inspections and maintenance of vehicles, equipment, and rental of equipment for both replacement and upgrading of the system. Account 3201 includes supplies necessary to operate vehicles and equipment such as fuel, oil, tires, parts, inspections and labor, etc. This account reflects amounts determined by historical expense data and projected operational needs. Account 3202 contains funds for the purchase of replacement equipment or large tools as may be necessary in the fiscal year. Account 3203 includes all rental equipment. Account 3204 is utilized for the purchase of small tools, equipment and supplies. These accounts are increased or decreased annually to reflect changes in the price and number of items appropriately designated to be purchased from these accounts.

Totals by Account:	3201 Vehicles	\$ 25,000
	3202 Fixed Capital	10,000
	3203 Equip Rental	5,000
	3204 Misc.	<u>5,000</u>
		\$45,000

CONTRACT LABOR - 3301 thru 3304

The Contract Labor account contains funds for outside services/labor that cannot be supported by COMB staff including elevator repair, tree trimming and removal services, heavy equipment and operators' labor costs for debris basin cleaning, meter calibration and some meter repair, etc. The amounts have been distributed through 3301, 3302 & 3303 to reflect the costs accurately. Account 3304 is used to hire consultants as necessary for non-Special Projects engineering, design or study.

Totals by Account:	3301 Conduit, etc.	\$ 12,000
	3302 Buildings/Roads	20,000
	3303 Reservoirs	10,000
	3304 Engineering, Misc	<u>30,000</u>
		\$ 72,000

MATERIALS / SUPPLIES - 3401 thru 3403

The Materials and Supplies account covers costs related to operation and maintenance of the conduit, reservoirs, the shop and yard, buildings and roads. This account includes funding for gravel, fencing, charts, locks, paint, fire extinguishers, etc.

Totals by Account:	3401 Conduit, etc.	\$ 25,000
	3402 Bldgs, Rds, Yard	12,000
	3403 Reservoirs, Misc	<u>10,000</u>
		\$ 47,000

OTHER EXPENSES - 3501 thru 3506

The Other Operating Expenses account includes utilities, uniforms, hazardous waste disposal, communications (phones at facilities and cell phones for operations & maintenance), Underground Service Alerts, employee training and certifications. All of these costs are based on actual charges for the services and changes in amounts are made only as necessary.

Totals by Account:	3501 Utilities	\$ 6,800
	3502 Uniforms	4,500
	3503 Communications	20,000
	3504 USA & Otr Servs	4,000
3505 Misc.		8,000
	3506 Training & Certs	<u>3,000</u>
		<u>\$46,300</u>

Misc detail:

Operations Division non-fixed assets expenses, Operations Division computer/software/office supply needs, shipping, refuse/recycle/green waste/non-hazmat material disposal, portable toilets/roll off boxes, employment ads/background checks.

Non-fixed assets	1,000
Operations computer/ Software/ofc supply needs	1,000
Refuse/recycle, etc	3,000
Portable toilets/roll offs	2,000
Employment ads etc	<u>1,000</u>
	<u>\$8,000</u>

TOTAL O & M EXPENSES – Operations Division **\$1,081,853**

GENERAL AND ADMINISTRATIVE

Program Description

The General and Administrative accounts reflect costs for support of all administrative functions of COMB. The G& A portion of the budget provides for the time and effort spent by administrative staff in many areas that are to the benefit of all five Member Units of COMB. These include water supply and delivery reports, human resources and risk management, tax and employment law, salary & benefits, accounting and bookkeeping, communications with federal, State and local agencies and the general public on a variety of contractual and informational matters.

DIRECTORS' FEES - 5000

This account reflects Directors' fees at a rate of \$128.00 per meeting and mileage expenses. A special meeting contingency amount of 20% of the total has been included to cover costs for special Board and Committee meetings. The Directors will decide future increases by public meeting and change of ordinance.

Total of this account: \$12,000.

AUDIT - 5100

This account reflects costs for the annual COMB audit.

Total of this account: \$13,000.

LEGAL - 5101

This account reflects costs for COMB general counsel expenses.

Total of this account: \$75,000.

UNEMPLOYMENT TAX - 5150

COMB is in the California State Unemployment "self-insured" program which means that we do not actually pay unemployment premiums, but we must budget for and have the ability to pay any unemployment claims which might arise. The calculation of this account is payroll driven. The Board will provide funding for any claims that may arise so this account will be kept at zero for FY 11-12.

Total of this account: \$ 0.00.

LIABILITY/PROPERTY INSURANCE - 5200

This account reflects insurance costs for coverage provided by ACWA/JPIA for all property i.e., buildings, structures, computers, modular furniture, copiers, postage meters, vehicles and an increase in replacement costs of all properties belonging to COMB. Also the General Liability portion is based on all salaries.

Total of this account: \$31,500.

HEALTH AND WORKERS' COMPENSATION - 5201

This account reflects costs for 70% of all administrative staff health premiums (medical, dental, vision & life), EAP, deferred compensation and workers' compensation premiums for administrative staff and eligible retirees. The cost for health premiums is a set premium amount for each employee and their dependents, as well as eligible retirees. The health and life insurance programs were negotiated through ACWA and although there have been substantial increases in the past, the premiums have remained competitive throughout the years. The Workers' Compensation portion is based on salaries for different percentages based on the category of each employee (clerical and outside sales). The estimated percentage rates for FY 2011-2012 have increased only slightly from the previous year and are as follows: Clerical staff is .72% and the General Manager is categorized as outside sales at .87%. These percentages include a 10% discount for using State Fund Preferred Providers and a 12% discount for being an ACWA member.

Total of this account: \$ 142,048

CalPERS RETIREMENT - 5250

This account reflects costs for the California Public Employees Retirement System. The costs are based on 70% of salaries for all COMB administrative staff. COMB will pay the employer cost (11.621%) and the majority of the employee cost (6%) of (7%) of the retirement plan contributions. A two tier approach has been suggested to be implemented with the 2011-12 budget wherein new employees will contribute 50% of the employee cost. Our employer contribution percentage over the years has ranged between 0% and 11%. The calculation of this account is payroll driven.

Total of this account: \$ 42,085

FICA & MEDICARE - 5339

This account reflects COMB's matching share of social security and medicare taxes for 70% of COMB's administrative employee expenses.

Total of this account: \$ 20,246

ADMINISTRATIVE SALARIES - 5300, 5301, 5304, 5306

These accounts reflect Board approved salaries for the specified positions at a 70% apportionment. The salaries for all staff contain a 1% cost of living increase which is offset by an employee 1% contribution to PERS. The salary for the General Manager contains the salary set by the COMB Board.

General Manager - 5300	\$ 115,500
Administrative Manager - 5301	67,340
Administrative Secretary - 5304	38,648
Administrative Assistant - 5306	<u>43,170</u>
Total for these accounts:	\$ 264,658

OFFICE EXPENSE & POSTAGE - 5310

The Office Expense & Postage account reflects the cost of all office supplies and postage for general and administrative tasks.

Total of this account: \$ 11,200

OFFICE EQUIPMENT/LEASES/SERVICES - 5311

The Office Equipment/Leases account includes costs associated with leases and quarterly service agreements for postage machine, copier equipment and any maintenance fees.

Total of this account: \$ 9,800

MISCELLANEOUS ADMINISTRATIVE EXPENSE - 5312

This account contains funds necessary for office cleaning, board meeting supplies, Paychex payroll costs, building alarm renewal, and miscellaneous expenses.

Office Cleaning	\$6,000
Paychex payroll costs	5,600
Misc permit fees	<u>400</u>
Total of this account:	\$ 12,000

COMMUNICATIONS - 5313

This account contains funds necessary for the telephone service, long distance service, cable internet service, conference call service and General Manager cell phone service.

Total of this account: \$ 8,400

UTILITIES - 5314

This account contains funds necessary to provide utilities to the administrative offices.

Total of this account: \$ 8,500

MEMBERSHIP DUES - 5315

This account reflects membership dues for ACWA, ASME, APWA, AWWA, County News Service, Dept. of Consumer Affairs, Associate member of CVPWA and subscriptions for professional publications.

Total of this account: \$ 7,295

ADMINISTRATIVE FIXED ASSETS - 5316

This fiscal year's fixed assets include the purchase of new computers and replacement office furniture as needed.

Total of this account: \$ 5,000

COMPUTER CONSULTANT - 5318

This account was established to more closely identify costs affiliated with our outside computer consultant services. In the past, these expenses were combined with the communications account. Our outside consultant provides monitoring and technical support for all of our information technology and computer related needs.

Total of this account: \$ 21,000

EMPLOYEE EDUCATION / TRAINING - 5325

This account was established to provide employees with the ability to obtain professional training, required certifications and for management training purposes. This account also provides for human resources and employee related subscriptions.

Total of this account: \$ 3,000

ADMINISTRATIVE TRAVEL - 5330

This account reflects actual travel costs for the COMB staff. This account is also used for attendance at conferences by the General Manager and Administrative Manager.

Total of this account: \$ 3,000

PUBLIC INFORMATION - 5331

This account is available for public information bulletins, website or newsletters in order to communicate with the community in case of emergencies or environmental impacts on the COMB water distribution system or reservoirs.

Total of this account: \$ 1,000

TRANSPORTATION - 5332

This account is for reimbursement of work-related mileage and the cost for maintenance of the General Manager's vehicle.

Total of this account: \$ 1,000

INTEREST EXPENSE - 7006

This account is for interest payment to the City of Santa Barbara for their prepaid contribution of gross budget assessments for FY 2012 (Split between Operations and Fisheries Division).

Total of this account: \$ 20,000

TOTAL GENERAL AND ADMINISTRATIVE - Operations Division \$ 711,732

SPECIAL GENERAL AND ADMINISTRATIVE

INTEGRATED REGIONAL WATER MANAGEMENT PLAN - 5510

This account has been established to participate in the development and maintenance of an integrated regional water management plan.

Total of this account: \$15,000

COST / BENEFIT ANALYSIS - 5513

This account has been established to conduct a comprehensive cost benefit analysis of the Cachuma Project System in order to define appropriate allocation rates for operation and maintenance projects among the Member Units.

Total of this account: \$ 25,000

**TOTAL SPECIAL GENERAL AND ADMINISTRATIVE –
Operations Division - \$ 40,000**

SPECIAL PROJECTS – Operations Division

SCADA SYSTEM - 6062

The COMB SCADA system was completed and placed into full service in 2003. This line item is for the cost of the annual maintenance contract, equipment replacement and support services.

Total of this account: \$ 18,500

COMB BUILDING AND GROUNDS REPAIR - 6090

This account will provide funds for existing mobile units and permanent building repair requirements, as well as maintaining and updating facilities in the vicinity of Lauro Yard.

Total of this account: \$30,000.

SOUTH COAST CONDUIT IMPROVEMENT PLAN AND DESIGN - 6092

The SCC improvement plan and design account consists of engineering consultant services to perform condition assessment of existing pre-stressed concrete cylinder pipe (PCCP) in the upper reach of the SCC and examination and investigation of over-burdened pipe identified at 1215 Franklin Ranch Road, Goleta after the over-burden is removed by the property owner.

Total of this account: \$ 50,000

SOUTH COAST CONDUIT STRUCTURE REHABILITATION - 6096

This account will be used to replace the 1950's era rectifier that cathodically protects the steel pipe under Lauro Yard that feeds up to the reservoir. Cathodic protection rectifiers are AC-powered electrical equipment that provides direct current for impressed current cathodic protection systems. The contractor will also install a safety disconnect switch to bring the unit up to current standards. A full investigation of existing SCC cathodic protection will be required in next year's budget.

Additionally, this account will be used to hire a contractor to provide Urethane grouting to stop water infiltration into the elevator shaft at the North Portal Structure. This process will require considerable labor to properly prepare surfaces and install injection porting devices.

Total of this account: \$ 37,500

GIS AND MAPPING - 6097

In previous years COMB was authorized to initiate a Geographical based information system by purchasing the latest software, components, and data input. This budget year COMB continues to update the GIS data base with current information that also periodically requires software updates. This account will also be used to keep licenses current and maintenance of the programs up to date. The GIS data base is used daily for USA callouts and the newly developed maintenance program.

Total of this account: \$10,000.

SCC EMERGENCY PIPELINE REPAIRS - 6101

In the 2011 budget COMB authorized AECOM to provide designs for potential emergency repairs along the entire SCC. As a result of the designs, an itemized list was developed for materials to be purchased in advance of and in preparation of an emergency event. This account will be used to purchase pipe, fittings, and appurtenances as identified on the materials list.

Total of this account: \$ 205,000

LAURO DEBRIS BASIN MAINTENANCE - 6102

Due to the heavy rains, fires, and runoff, the Lauro Debris basin has become silted in. COMB has received an estimate for Granite Construction, who is currently providing the same services for SB County Flood Control, to excavate and dispose of excess materials from the debris basin. After the basin is cleaned out, staff will re-design and modify the basin bottom in an effort to eliminate nuisance flows. As part of the basin enlargement project several mitigation requirements were required. Staff received a proposal from Melinda Fournier to professionally manage these mitigation requirements for FY 2011/2012 with an added task to train COMB staff to perform these tasks in subsequent years.

Total of this account: \$ 76,175

UPPER REACH RELIABILITY PROJECT – PHASE I - 6103

In 2002, COMB retained AECOM (formally Boyle Engineering) to perform a Reliability and Alternatives Study for the Upper Goleta Reach of the SCC (south portal to Corona Del Mar Water Treatment Plant). In the report, one of the recommendations was to construct a second pipeline for that reach in order to increase system reliability. In 2005 to 2010, COMB again retained AECOM to provide engineering services for the design and bid of the 2nd barrel project. Due to funding constraints, COMB's Board has deferred the 2nd barrel project in favor the new Upper Reach Reliability Project. Elements of the new project will include; replacement of the south portal structure, rehabilitation of air valves and blow offs, replacement of the Glen Annie Weir, sections of SCC replacements, and Goleta West Meter replacements.

Total of this account: \$ 1,200,000

SPECIAL PROJECTS TOTAL

\$ 1,627,175

OPERATIONS AND MAINTENANCE - Fisheries Division

Program Description

To maintain and support all associated costs of operation and maintenance as they relate to the implementation of the NMFS Biological Opinion and the Lower Santa Ynez River Fish Management Plan.

LABOR - 4100

Biology Field Crew Labor is actual labor costs of the total salaries and benefits for a two member field crew, a Senior Resource Scientist, and four seasonal bio-aide positions. The benefits include medical, dental and vision insurance coverage, a \$20,000 life insurance policy per employee, deferred compensation, social security contributions, mandatory workers' compensation coverage, an employee assistance program (EAP), FICA/Medicare and a CalPERS retirement contribution (2% @ 55 formula). All position salaries are recorded individually with any appropriate increases considered on a semi-annual basis.

Total of this account: \$ 425,339

VEHICLES & EQUIPMENT - 4270 thru 4290

The Vehicles and Equipment section is made up of three accounts which include funds for the purchase of vehicles, fuel, parts, inspections and maintenance of vehicles and equipment. Account 4270 includes supplies necessary to operate vehicles and equipment such as fuel, oil, tires, parts, inspections and labor, etc. This account reflects amounts determined by historical expense data and projected operational needs. Account 4280 contains funds for the purchase of replacement equipment or large tools as may be necessary in the fiscal year. Account 4290 includes funding all miscellaneous items affiliated with vehicles or equipment. These accounts are increased or decreased annually to reflect changes in the price and number of items appropriately designated to be purchased from these accounts.

Totals by Account:	4270 Vehicles	\$ 13,000
	4280 Fixed Capital	30,000
	4290 Miscellaneous	<u>2,500</u>
		\$ 45,500

CONTRACT LABOR – 4220, 4221

The Contract Labor account contains funds for outside services/labor to support equipment calibration on flow meters and sonde meters, and funds for technical assistance corresponding to the operation, maintenance and performance review of completed fish passage projects.

Totals by Account:	4220 Equip. Calib	\$ 3,000
	4221 Fish Monitoring	<u>15,000</u>
		\$ 18,000

MATERIALS / SUPPLIES - 4390

The Materials and Supplies account covers costs for the purchase of materials needed for the Fisheries Monitoring Program specifically monitoring for migration, spawning and over-summering such as constructing and repairing fish migration traps and the equipment necessary to conduct snorkel and redd surveys.

Total of this account: \$ 6,000

OTHER EXPENSES - 4502

The Other Operating Expenses account includes funds to pay for uniforms / gear for the fisheries employees. This account is based on actual charges for the above services and changes in amounts are made only as necessary.

Total of this account: \$ 2,500

TOTAL O & M EXPENSES – Fisheries Division \$497,339

GENERAL AND ADMINISTRATIVE – Fisheries Division

Program Description

The General and Administrative accounts reflect costs for support of all fisheries division administrative functions of COMB. The salaries and benefits have been split on a 70% - 30% basis between the Operations Division and the Fisheries Division according to number of employees.

LEGAL - 5407

This account reflects the costs for General Counsel expenses affiliated with the Fisheries Division program of work.

Total of this account: \$ 25,000

AUDIT - 5441

This account reflects costs for a portion of the annual COMB audit.

Total of this account: \$ 6,000

LIABILITY/PROPERTY INSURANCE – 5443

This account reflects a portion of insurance costs for coverage provided by ACWA/JPIA for all property i.e., buildings, structures, computers, modular furniture, copiers, postage meters, vehicles and an increase in replacement costs of all properties belonging to COMB. Also the General Liability portion is based on all salaries.

Total of this account: \$ 13,500

HEALTH AND WORKERS' COMPENSATION - 5401

This account reflects costs for all fisheries division charged staff health premiums (medical, dental, vision & life), EAP and workers' compensation premiums. The cost for health premiums is a set premium amount for each employee and their dependents, as well as eligible retirees. The health and life insurance programs were negotiated through ACWA. The Workers' Compensation portion is based on salaries at different percentages based on the category of each employee (clerical, outside sales and field operations). The estimated percentage rates for FY 2011-2012 have increased only slightly from the previous year and are as follows: Clerical staff is 0.72%, General Manager is categorized as outside sales at 0.87% and Field Operations is 6.68%. These percentages include a 10% discount for using State Fund Preferred Providers and a 12% discount for COMB being an ACWA member.

Total of this account: \$ 39,396

CALPERS RETIREMENT - 5402

This account reflects costs for the California Public Employees Retirement System. The costs are based on salaries for all Fisheries Division staff. COMB will pay the employer cost (11.621%) and the majority of the employee cost (6%) of (7%) of the retirement plan contributions. A two tier approach has been suggested to be implemented with the 2011-12 budget wherein new employees will contribute 50% of the employee cost. Our employer contribution percentage over the years has ranged between 0% and 11%. The calculation of this account is payroll driven.

Total of this account: \$ 18,037

FICA & MEDICARE - 5403

This account reflects the fisheries division matching share of social security and medicare taxes for all fisheries division employees.

Total of this account: \$ 8,677

SALARIES – 5404, 5405, 5408, 5409

This account reflects Board approved salaries reflective of 30% for the General Manager, Administrative Manager, Administrative Assistant, and the Administrative Secretary. The salaries for all staff apportioned to the FD contain a 1% cost of living increase for FY 2011-12.

General Manager	\$ 49,500
Administrative Manager	\$ 28,260
Administrative Assistant	\$ 18,502
Administrative Secretary	<u>\$ 16,563</u>
Total for this account:	\$112,845

POSTAGE / OFFICE SUPPLIES EXPENSE - 5410

The Office Expense & Postage account reflects the cost of all office supplies and postage for general and administrative tasks.

Total of this account: \$ 4,800

OFFICE EQUIPMENT/LEASES/SERVICES - 5411

The Office Equipment / Leases account includes the fisheries division portion of leases and quarterly service agreements for postage machine, copier equipment and any maintenance fees.

Total of this account: \$ 4,200

MISCELLANEOUS ADMINISTRATIVE EXPENSE - 5412

This account contains funds necessary for office cleaning, Board meeting supplies, Paychex payroll costs, outside copy costs and other minor miscellaneous expenses.

Total of this account: \$ 6,000

COMMUNICATIONS - 5413

This account contains funds necessary for the telephone service, long distance service, cable internet service, and staff cell phones.

Total of this account: \$ 3,600

UTILITIES - 5414

This account contains funds necessary to provide utilities to the administrative offices affiliated with the fisheries division program of work.

Total of this account: \$ 4,500

MEMBERSHIP DUES - 5415

This account reflects costs for membership dues for the American Fisheries Society as well as a portion of ACWA dues as they pertain to the fisheries division employees. This account also covers subscriptions for professional publications.

Total of this account: \$ 2,791

ADMINISTRATIVE FIXED ASSETS - 5416

This fiscal year's fixed assets include the purchase of new computers and replacement office furniture as needed.

Total of this account: \$ 5,000

COMPUTER CONSULTANT / SOFTWARE LICENSES - 5418

This account was established to fund needs for all computer and internal network systems support through outside computer consultant services. It also accommodates purchasing and updating software licenses which may include Microsoft Operating System, Microsoft Office, WinZip, Endnotes (citation cataloging), and Riverware (hydrologic modeling).

Total of this account: \$ 9,000

EMPLOYEE TRAINING / SUBSCRIPTIONS - 5425

This account was established to provide employees with the ability to obtain professional training, required certifications and for management training purposes specifically for in field and office operations, and safety and regulatory compliance. This account also provides for employee related subscriptions to professional fisheries organizations.

Total of this account: \$ 3,000

ADMINISTRATIVE TRAVEL - 5430

This account provides for actual travel costs for professional conferences, seminars, training, and strategy meetings that are attended by the General Manager and/or staff throughout the fiscal year.

Total of this account: \$ 3,000

PUBLIC INFORMATION - 5431

This account is for miscellaneous costs that may arise out of public records act requests or other public information requirements.

Total of this account: \$ 1,000

TRANSPORTATION - 5432

This account is for reimbursement of work-related mileage and the cost for maintenance of the General Manager's vehicle.

Total of this account: \$ 1,000

INTEREST EXPENSE - 5399

This account is for interest payment to the City of Santa Barbara for their prepaid contribution of budget assessments for FY 2012 (Split between Operations and Fisheries Division).

Total of this account: \$ 14,930

**TOTAL GENERAL AND ADMINISTRATIVE EXPENSES
Fisheries Division -**

\$ 286,855

SPECIAL PROJECTS – Fisheries Division

BIOLOGICAL OPINION/FMP IMPLEMENTATION - 6201

This line item provides funding for outside consultant support on activities which include participation in the NFMS Biological Opinion compliance preparation as well as review of technical reports, study plans, participation in coordination and review meetings and conference calls.

Total of this account: \$ 121,500

GIS AND MAPPING - 6202

This account provides funds for the purchase and maintenance of the GIS and GPS system components, software, hardware, aerial imagery and technical support.

Total of this account: \$ 10,000.

GRANTS TECHNICAL SUPPORT - 6203

This account will provide funds for assistance in document preparation for grant funding opportunities and applications as well as grant reimbursement reconciliation tasks.

Total of this account: \$ 10,000.

SYR HYDROLOGY TECHNICAL SUPPORT - 6204

This project includes funding for consultants who provide hydrologic support for analyzing operations in the SYR basin and operations for the Fisheries Program. This task includes model implementation and technical training in the Santa Ynez River Riverware Model as well as completion of the Final Operations Surcharge Report.

Total of this account: \$ 25,000

USGS STREAM GAUGE PROGRAM - 6205

This line item is to fund the required stream discharge and water quality monitoring on the lower Santa Ynez River and its tributaries in compliance with the NMFS Biological Opinion.

Total of this account: \$ 75,000

TRI COUNTY FISH TEAM FUNDING - 6206

This line item is to fund COMB's agreed upon portion of the MOU for financial support of the Tri-County salmonid restoration efforts.

Total of this account: \$ 5,000

OAK TREE RESTORATION PROGRAM - 6207

This line item is to fund the seventh year of oak tree planning efforts at several planting sites bordering the Cachuma Lake and Bradbury Dam. This planting and maintenance program is intended to result in a 2:1 replacement of oak trees lost due to the higher water elevations during surcharge events.

Total of this account: \$ 80,000

LEGISLATIVE AND STEELHEAD FUNDING SUPPORT – 6208

This line item is to fund travel expenses related to COMB's representatives who annually attends the Washington D.C. ACWA conference for the purpose of lobbying federal government officials to assure continued federal legislation for funding steelhead and salmonid restoration efforts in the Western United States. This federal funding is matched by the State of California and is essential in order for COMB to apply for grant funding through CDFG.

Total of this account: \$ 8,000.

SYR RIVERWARE MODEL PEER REVIEW - 6209

This line item is to fund outside consultant costs for the SYR Riverware model peer review.

Total of this account: \$ 60,000

HABITAT ENHANCEMENTS

TRIBUTARY PROJECTS SUPPORT CONSULTANT - 6303

This line item is to fund technical assistance provided by a consulting engineer for tasked anticipated to include refinement of monitoring methods and procedures, hydraulic review of fish passage within a stream network, troubleshooting of general operation and maintenance issues, and review of miscellaneous technical data and reporting.

Total of this account: \$ 2,000

QUIOTA CREEK ENGINEERING DESIGNS - 6304

This line item is to fund the continued design effort on the remaining Quiota Creek crossings that will be used for NMFA and CDFG design approval as well as permitting with regulatory agencies and the County of Santa Barbara.

Total of this account: \$ 33,000

QUIOTA CREEK CROSSING #2 - 6307

This line item is to fund the replacement of a damaged low flow crossing with a 60-foot bottomless arched culvert and installation of one rock weir and two riffles for grade control and steelhead habitat formation.

Total of this account: \$ 735,501

QUIOTA CREEK CROSSING #7 - 6308

This line item is to fund the replacement of a damaged low flow crossing with a 60-foot bottomless arched culvert and installation of two rock weirs for grade control and steelhead habitat formation.

Total of this account: \$ 826,123

SPECIAL PROJECTS / HABITAT ENHANCEMENTS	\$1,991,124
TOTAL 2011-12 Fisheries Division BUDGET:	\$2,775,318
TOTAL COMB BUDGET 2011-2012	\$6,236,078

COMB Building and Grounds Repair at Lauro Yard

FY 2011/2012

Administrative Mobile Offices:

- Air conditioning repair
- Handicap access ramp for compliance with Americans with disabilities act

Chlorine Building:

- Install Halon device for computer room
- Tent for termites
- Complete shelving project

Board Room Building

- Build handicap access ramp for compliance with Americans with disabilities act

Lauro Yard

- Crack seal asphalt
- Construct diversion for storm drain pipe
- Purchase shed for misc tools
- Trim trees

COMB Building and Grounds Repair at Lauro Yard

FY 2011/2012

Administrative Mobile Offices:

- Air conditioning repair
- Handicap access ramp for compliance with Americans with disabilities act

Chlorine Building:

- Install Halon device for computer room
 - Tent for termites
 - Complete shelving project
-

Board Room Building

- Build handicap access ramp for compliance with Americans with disabilities act

Lauro Yard

- Crack seal asphalt
- Construct diversion for storm drain pipe
- Purchase shed for misc tools
- Trim trees

April 20, 2011

Draft

Mr. Jim Colton
Cachuma Operation & Maintenance Board
3301 Laurel Canyon Road
Santa Barbara, CA 93105

Dear Jim:

**Subject: Cachuma Operation & Maintenance Board
Engineering Services for Condition Assessment of Prestressed Concrete
Cylinder Pipe Section in the Upper Reach of the South Coast Conduit
Task Order No. 38**

Transmitted herewith are three copies of the Task Order No. 38 dated April 20, 2011, for engineering services for condition assessment of prestressed concrete cylinder pipe section in the Upper Reach of the South Coast Conduit. It is our understanding that these services will be completed as an amendment under our Engineering Services Agreement for Investigation and Engineering Study for South Coast Conduit (SCC), dated February 22, 1999. In summary, this Task Order provides for engineering services to conduct a condition assessment of the 350± ft prestressed concrete cylinder pipe section.

After your review of the attached Scope of Work and concurrence, please sign all three copies where indicated below and return two copies to our office. We sincerely appreciate the continued opportunity to provide engineering services to COMB. Please call if clarification is required.

Sincerely,

AECOM

Approved by:
Cachuma Operations and Maintenance Board

Glen M. Hille, PE
Vice President West Region

Kate Rees
General Manager

Date

**Scope of Work – Task Order No. 38
Cachuma Operation and Maintenance Board
Engineering Services for Condition Assessment of
Prestressed Concrete Cylinder Pipe Section in the
Upper Reach of the South Coast Conduit**

April 20, 2011
Page 1 of 4

Draft

Background and Overview

The Cachuma Operation and Maintenance Board (COMB) operates the South Coast Conduit (SCC) from the Lake Cachuma north portal to the Carpinteria Reservoir. In the late 1960s a 350± ft section of the Upper Reach of the SCC in the vicinity of SR154 was replaced with prestressed concrete cylinder Pipe (PCCP). Some PCCP fabricated in the 1960s and 1970s has a problematic history. COMB has recently requested AECOM to conduct a condition assessment of this section of the SCC. The following task descriptions define the approach and engineering effort for the requested condition assessment.

Task 38100 – Kickoff Meeting

AECOM will prepare for and attend a kickoff meeting to discuss the project specifics with COMB key staff members.

Task 38200 – Data Gathering and Review

Review the data provided by COMB:

- ❖ Original SCC design drawings
- ❖ 1969 PCCP design drawings and specifications
- ❖ 1969 PCCP fabrication shop drawings
- ❖ Soils report
- ❖ Photographs and record data for 1969 PCCP installation
- ❖ Inspection reports and operational records of that portion of COMB since 1969

Task 38300 – Preliminary Analysis

Survey the profile of the surface over the pipe in order to allow reasonable estimation of the external loads on the pipe. Potholing will be performed by COMB if determined to be required. AECOM will observe the potholding effort.

- ❖ Determine where in the original (USBR) profile the PCCP lies in order to reasonably estimate the internal pressure.
- ❖ Analyze the Pipe. Structural analysis of the pipe to determine if its as-new design remains adequate for existing loads. If by analysis the pipe is under-strength, then replacement now is likely the recommendation.

Task 38400 – Determine the Corrosive Nature of the Pipe Environment

Conduct a field review of the surface improvements and measure the conductivity/resistivity of the soil, pipe-to-soil potential and pipe-to-pipe resistance.

ITEM # 7
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Task 38500 – Examine the Pipe

AECOM will recommend two locations for examination of the pipe exterior. COMB will excavate and shore the excavation to allow examination of the full circumference of the pipe. After COMB excavates to expose the pipe, AECOM will look at the exterior of the pipe and conduct a phenolphthalein test of the coating at several locations around the circumference of the pipe at each excavation. AECOM will gather up to four (4) soil samples and determine, if possible, the original trench configuration, backfill materials, and compaction. Soil samples will be sent to the corrosion engineer and tested for chemical properties.

Task 38600 – Analyze the Pipe

Using the new data acquired in Tasks 38400 – 38500, re-analyze the pipe. If by analysis the pipe is under-strength, then replacement now is likely the recommendation.

Task 38700 – Letter Report

Summarize the condition assessment in a memo to COMB.

Task 38800 – Examine Interior of the Pipeline (Future Task)

There are several firms that offer this service specific to PCCP pipe, that allows indirect measurement of the condition of the wires (excluding near the joints).

Task 38900 – Re-Analyze the Pipe and Update Assessment Memo (Future Task)

Using the new data acquired in Task 38800, re-analyze the pipe. If by analysis the pipe is under-strength, then replacement now is likely the recommendation. Update condition assessment memo (Task 38700).

Schedule

It is anticipated that the Scope of Services associated with this proposal can be completed in 180 calendar days from the notice to proceed.

Fee Estimate

The estimated engineering effort and estimated fee are shown on the attached Fee Estimate.

Supplemental Conditions

Construction Safety

COMB agrees that in accordance with generally accepted construction practices, the construction contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the Project, including safety of all persons and property, and that this requirement shall be made to apply continuously and not be limited to normal working hours. AECOM shall not have control over or charge of, and shall not be responsible for, construction means, methods, techniques, sequences or procedures, as these are solely the responsibility of the construction

contractor. AECOM shall not have the authority to stop or reject the work of the construction contractor.

Contractor Indemnification/Additional Insured

Client will require that any Contractor performing work in connection with the project for which AECOM is providing professional services, hold harmless, indemnify and defend Client, AECOM, their consultants, and each of their directors, officers, agents and employees from any and all liability, claims, losses, damage and costs, including attorneys' fees, arising out of or alleged to arise from the Contractor's performance of the work described in the construction contract documents, but not including liability that may be due to the sole negligence of Client, AECOM, their consultants, or their directors, officers, agents and employees.

Client will require the Contractor to provide workers' compensation and commercial general liability insurance, including completed operations and contractual liability, with the latter coverage sufficient to insure the Contractor's indemnity, as above required; and such insurance shall include Client, AECOM, their consultants, and each of their directors, officers, agents and employees as additional insureds.

Hazardous Materials

In providing its services hereunder, neither AECOM nor its subconsultants shall be responsible for identification, handling, containment, abatement, or in any other respect, for any asbestos or hazardous material if such is present in connection with the project. In the event that CLIENT becomes aware of the presence of asbestos or hazardous material at the jobsite, CLIENT shall be responsible for complying with all applicable federal and state rules and regulations, and shall immediately notify AECOM, who shall then be entitled to cease any of its services that may be affected by such presence, without any liability to AECOM or its subconsultants arising there from.

Cost Estimate

AECOM has no control over the cost of labor, materials, equipment or services furnished by others or over Contractor's methods of determining prices, or other competitive bidding or market conditions, practices or omissions on the site. Any cost estimates provided by the Consultant will be made on the basis of his experience and judgment. Estimates of probable construction costs may vary from actual construction costs.

Re-Use of Documents

Documents, drawings, specifications, and electronic information/data, including computer aided drafting and design ("CADD"), prepared by CONSULTANT pursuant to this agreement are not intended or represented to be suitable for reuse by CLIENT or others on extensions of the Project or on any other project. Any use of completed documents for other projects and any use of incomplete documents without specific written authorization from CONSULTANT will be at CLIENT's sole risk and without liability to CONSULTANT.

Right to Rely

Consistent with the professional standard of care and unless specifically provided herein, AECOM shall be entitled to rely upon the accuracy of data and information provided by the COMB or others without independent review or evaluation.

Assumptions

In preparing this proposal, the following assumptions were made:

- COMB will pay all permit fees and prepare permit applications.
- Permit process is by others.
- ROW and Easements compilation is by others.
- Coordination and Management of Proposition 50 funding is by others.
- No geotechnical services are anticipated.
- Proposal is valid for sixty days.

Cachuma Scope of Work - Task Order No. 38
 Engineering Services for Condition Assessment of Prestressed Concrete Cylinder
 Pipeline Section of
 the South Coast Conduit
Fee Estimate

Task	Description	AECOM Level of Effort		Sub-Consultant
		MH	(\$)	
38100	Kickoff Meeting	12	\$ 2,100	
38200	Data Gathering and Review	16	\$ 2,800	
38300	Preliminary Analysis	40	\$ 6,900	\$ 3,500 *
38400	Determine the Corrosive Nature of the Pipe Environment	8	\$ 1,400	\$ 3,500 *
38500	Examine the Pipe	24	\$ 4,200	\$ 3,500 *
38600	Analyze the Pipe	24	\$ 4,200	
38700	Letter Report	24	\$ 4,200	
38800	Examine Interior of the Pipeline (Future task if necessary)			
38900	Re-Analyze the Pipe and Update Assessment Memo (Future task if necessary)			
Total		148	\$ 25,800	\$ 10,500

It is anticipated that an engineering fee of \$36,300 will be required to accomplish the above-referenced engineering tasks based on an average of \$160 per MH, and 8.5% for other direct costs. Compensation will be on a time and materials basis consistent with the 2011 Fee Schedule attached and our Engineering Services Agreement dated February 22, 1999.

* Plug numbers. Pending subconsultant proposals.

Draft

AECOM
 FEE SCHEDULE FOR PROFESSIONAL SERVICES
 Effective January 1, 2011

Engineers, Planners, Architects, Scientists:

Student Assistant	\$ 79.00 per hour
Assistant I	\$ 97.00 per hour
Assistant II	\$ 110.00 per hour
Associate	\$ 130.00 per hour
Senior I	\$ 155.00 per hour
Senior II	\$ 177.00 per hour
Principal	\$ 215.00 per hour
Company Officer	\$ 232.00 per hour
Special Consultant	\$ 180.00 per hour

Construction Administration Personnel:

Resident Project Representative	\$ 107.00 per hour
Senior Resident Project Representative	\$ 125.00 per hour
Resident Engineer	\$ 153.00 per hour
Construction Services Manager	\$ 202.00 per hour

Technical Support Staff:

Clerical/General Office	\$ 69.00 per hour
Administrative Specialist	\$ 81.00 per hour
Drafter/CADD Technician	\$ 72.00 per hour
Assistant CADD Operator	\$ 84.00 per hour
Designer/CADD Operator	\$ 95.00 per hour
Senior Designer/Design CADD Operator	\$ 110.00 per hour
Design/CADD Supervisor	\$ 123.00 per hour

General Project Expenses ^{1/}

8.5% of Labor

Direct Project Expenses

Other Reproduction (8 1/2 x11/11x17 Color)	\$1.15/1.50 per page
Plan Sheet Printing - In House Bond/Vellum/Mylar	\$3.00/4.00/7.00 per sheet
Subcontracted Services/Reproduction	Cost + 15%
Subcontracted or Subconsultant Services	Cost + 15%
Auto Mileage for Construction Phase Services	\$0.60 per mile
Travel & Subsistence (other than mileage)	Cost
Miscellaneous Materials	Cost + 15%

If authorized by the Client, an overtime premium multiplier of 1.5 may be applied to the billing rate of hourly personnel who work overtime in order to meet a deadline which cannot be met during normal hours.

Applicable sales tax, if any, will be added to these rates. Invoices will be rendered monthly. Payment is due upon presentation. A late payment finance charge of 1.5% per month (but not exceeding the maximum rate allowable by law) will be applied to any unpaid balance commencing 30 days after the date of the original invoice.

Fee schedule is subject to change annually.

^{1/} *Includes mail, telephone, fax, office photo copies, personal computers and mileage (except as noted).*

Robert T. Flowers
RCE 18324
Stephen G. Flowers
RCE 26192
Vernon E. Williams
RCE 33690
Eric L. Flavell
RCE 33000
Alan H. Chierici

FLOWERS & ASSOCIATES, INC.
C I V I L E N G I N E E R S
201 NORTH CALLE CESAR CHAVEZ, SUITE 100, SANTA BARBARA, CA 93103
PHONE: 805.966.2224 • FAX: 805.965.3372
www.flowersassoc.com

W.O. 0740
E-mail

January 6, 2011

Mr. James Colton, Engineer
Cachuma Operations and Maintenance Board (COMB)
3301 Laurel Canyon Road
Santa Barbara, CA 93105-2017

Subject: South Coast Conduit (SCC) Examination @ Brown Property-Approximate Sta 176.

Dear Jim,

Pursuant to your request we are providing herewith a proposal for engineering services for the subject project.

BASIS OF PROPOSAL

We have reviewed this project with you and have determined the following as a basis for this proposal:

1. The condition of the SCC at this location is in question due to fill depths in excess of the design limit for the installed pipe.
2. External examination of the pipe will be performed at each end of each 16-foot joint for the 160-foot length in question. Excavation for the examination will be performed by others.
3. Internal examination of the pipe will be made as accomplished for this reach in November of 2007-by confined entry through the air-vac structure at Sta 163+90 or the blow-off structure at Sta 180+13.
4. The efficiency of our services is dependent on the performance of others for providing access for the examinations. We have budgeted a field day each for the internal and external examinations and some office time for preparing a report with our findings.

ITEM # 7
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- 5. The maximum daily work period for our personnel will not exceed 8 hours.
- 6. As requested, Ric Craig will be performing the examination and documentation of the condition of the SCC. We will also provide a qualified person to serve as Ric's assistant during the internal pipe examination. Vern Williams will be the Project Manager for the services provided by Flowers and Associates, Inc. and will provide any engineering services required. Flowers and Associates, Inc. clerical staff will be utilized as necessary.
- 7. COMB will supply all access and safety equipment and any site specific training.

SCOPE OF SERVICES

With the above items as a basis and our experience with this process with COMB, we propose the following scope of services for this phase:

- A. Coordination for examinations.
- B. Two one-day examination periods including entry and documentation.
- C. Data consolidation and report preparation.

COMPENSATION

With the assumptions stated, we propose to complete the above described scope of services on a TIME AND MATERIALS basis not to exceed \$6,000. If it appears our services and compensation will exceed that stated we will request authorization for the increased scope and fees before proceeding.

Our services will be billed for at approximately monthly intervals in accordance with our Fee Schedule in effect when the services are rendered. Current Schedule is attached. Payment is due upon receipt of Statement and unpaid balances are subject to late charges.

SPECIFIC EXCLUSIONS

Specifically not included in the scope of services for this proposal are the following:

- 1. Materials, labor or equipment for provision of access to the conduit.
- 2. Surveying and/or geotechnical services.
- 3. Safety training and equipment.
- 4. Any involvement with hazardous waste including detection, evaluation, management and cleanup.

AGREEMENT BETWEEN CLIENT AND CONSULTANT

We anticipate COMB's typical Purchase Order Agreement for this project and are prepared to sign it when completed with references to this proposal.

Please contact the undersigned with any questions or comments on this proposal. We appreciate the opportunity to continue working with you on this project.

Sincerely,
FLOWERS & ASSOCIATES, INC.

By: Vernon E. Williams
Vernon E. Williams, P.E.
Vice President

VW ww

Encls.

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**FARWEST
CORROSION
CONTROL
COMPANY**

Materials • Engineering • Installation
Contractor's License #248232
1480 W. Artesia Blvd., Gardena, CA 90248
Tel: 310-532-9524 • Fax: 310-532-3934
www.farwestcorrosion.com
www.ccpco.com



**Corrosion
Control
Products
Company**

RECEIVED

April 4, 2011

APR 08 2011

Cachuma Operations & Maintenance Board

CACHUMA O&M BOARD

RE: Rectifier Replacement Project
Farwest Corrosion Control Company Quote No. 11634DM

Dear, Mr. Francisco Bautista:

Thank you for allowing me the opportunity to provide your organization with a proposal to provide all supervision, labor, and equipment to replace the existing rectifier at the Santa Barbara facility per our engineering recommendation.

Installation

Farwest Corrosion Control Company will provide all associated labor, supervision, tools and equipment necessary to complete system installation per previous CP recommendations. It is understood that prior to proceeding with installation, the work area must be clear of all obstructions in order to enable our personnel access to the work site. We understand the scope of work to be as follows:

- Remove and dispose of existing wall mounted rectifier in maintenance shed.
- Provide and install new wall mounted rectifier, safety disconnect switch, and associated hardware and fittings.
- Functional test and report on newly installed equipment.

Pricing

Total.....\$7,500.00

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**FARWEST
CORROSION
CONTROL
COMPANY**

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1480 W. Artesia Blvd., Gardena, CA 90248
Tel: 310-532-9524 • Fax: 310-532-3934
www.farwestcorrosion.com
www.ccpc.com



**Corrosion
Control
Products
Company**

Payment Terms

Payment terms for this project are Net 30 days and this proposal will be considered valid for thirty (30) days from the proposal date.

Thank you again for this opportunity. Please feel free to contact me with any questions or concerns regarding this proposal.

Sincerely,

A handwritten signature in black ink, appearing to read 'Dan McGrew', with a long horizontal flourish extending to the right.

Dan McGrew
Construction Manager
(310) 532-9524 phone
(310) 532-3934 fax
dmcgrew@farwestcorrosion.com

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Howard Ridley Company, Inc.

Specialized Industrial Contracting...since 1950

State License #304198

April 12, 2011

Cachuma Operation and Maintenance Board
3301 Laurel Canyon Road,
Santa Barbara, CA 93105

Jcolton@cachuma-board.org

REF: Urethane grouting proposal to stop water infiltration at elevator shaft structure.

Howard Ridley Co., Inc. proposes to furnish labor, materials and equipment to complete the following service(s):

1. Place filter fabric at base of shaft to catch all construction related debris
2. Construct safe working platform on top of elevator car
3. Remove existing epoxy surface seal as necessary
4. Drill to intersect existing cracks and set ports
5. Furnish and install Strata-Tech Urethane resins to stop water infiltration
6. Remove porting devises upon completion

Please note, as this structure has been previously injected, this process may require considerable labor. The prior resin will block the flow of the strata-tech resin into the leaking cracks and additional drilling may be required to access leaking areas. The resin will not flow laterally as it would in an un-injected crack.

This work to be billed on a Time and Materials basis as follows:

Mobilization:	\$600.00
Labor:	\$105.00 per man hour. 2 men per day. Minimum 6 hour days
Materials and consumables:	Cost plus 20% markup
Subsistence:	\$55.00 per man per day

Minimum duration: Three weeks (5 work days per week)

Exclusions: Plans, permits, testing, inspection, engineering and city business license.

Respectfully Submitted By,

Tom Ridley

No.	Item	Unit	Unit Cost	Cost
1	27" CML&C Welded Steel Pipe (30± feet) with 24" Manway	1	\$ 8,000	\$ 8,000
2	30" CML&C Welded Steel Pipe (30± feet) with 24" Manway	1	\$ 8,500	\$ 8,500
3	36" CML&C Welded Steel Pipe (30± feet) with 24" Manway	1	\$ 9,500	\$ 9,500
4	48" CML&C Welded Steel Pipe (30± feet) with 24" Manway	1	\$ 11,500	\$ 11,500
5	27" CML&C Welded Steel Pipe (30± feet)	4	\$ 5,000	\$ 20,000
6	30" CML&C Welded Steel Pipe (30± feet)	4	\$ 5,500	\$ 22,000
7	36" CML&C Welded Steel Pipe (30± feet)	4	\$ 6,500	\$ 26,000
8	48" CML&C Welded Steel Pipe (30± feet)	2	\$ 8,500	\$ 17,000
9	4" CML&C Welded Steel Pipe (30± feet)	4	\$ 500	\$ 2,000
10	6" CML&C Welded Steel Pipe (30± feet)	4	\$ 600	\$ 2,400
11	8" CML&C Welded Steel Pipe (30± feet)	4	\$ 800	\$ 3,200
12	10" CML&C Welded Steel Pipe (30± feet)	4	\$ 1,000	\$ 4,000
13	12" CML&C Welded Steel Pipe (30± feet)	4	\$ 1,200	\$ 4,800
14	4" CML&C Welded Steel Pipe Elbow (90°)	2	\$ 600	\$ 1,200
15	6" CML&C Welded Steel Pipe Elbow (90°)	2	\$ 800	\$ 1,600
16	8" CML&C Welded Steel Pipe Elbow (90°)	2	\$ 900	\$ 1,800
17	10" CML&C Welded Steel Pipe Elbow (90°)	2	\$ 1,100	\$ 2,200
18	11" CML&C Welded Steel Pipe Elbow (90°)	2	\$ 1,300	\$ 2,600
19	Misc (Butt Straps, Fillers B&G sets)			\$ 35,000
20	Storage Facilities	1	\$ 20,000	\$ 20,000
Total Cost				\$ 203,300

Draft - April 2011

ITEM # 7
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April 27, 2011

Cachuma Operation and Maintenance Board
3301 Laurel Canyon Road
Santa Barbara, CA 93105

ATTN: Jim Colton, Engineer

RE: Laurel Canyon Reservoir Debris Basin

SUBJ: Budget for Excavation and Disposal of Material in Debris Basin

This is not a quote or proposal for work

In accordance with your direction, we are providing you with a conservative estimate for budgeting purposes. This estimate includes the labor, material and equipment, as well as the mobilization and demobilization of that equipment, to excavate the Laurel Canyon Debris Basin and export approximately 1000 cubic yards of silt off site.

We are assuming the work would be performed in July, providing the debris basin as much time as possible to dry out, and that the excavated material is of poor quality.

The work would be performed in two weeks and cost approximately \$36,194.

Please contact me if you have any questions or require additional information.
We appreciate this opportunity and look forward to working with you again in the future.

Respectfully submitted,
GRANITE CONSTRUCTION COMPANY

Craig Flowers
Craig Flowers
Project Engineer

Santa Barbara Branch
P.O. Box 6744
Santa Barbara, CA 93160-6744
805/964-9951
FAX: 805/964-7661

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PRELIMINARY

SCOPE OF WORK

OAK TREE AND HONEYSUCKLE RESTORATION PLAN
Related to the
LAURO RETENTION BASIN ENLARGEMENT PROJECT

Fiscal Year 2011/2012
July 1, 2011 thru June 30, 2012

CACHUMA OPERATION & MAINTENANCE BOARD

April 12, 2011

The following Tasks 1 through 3 will summarize services to be delivered by Ms. Melinda Fournier and her crew for the ongoing irrigation, maintenance, and monitoring services for the compliance and care of the Oak tree and Honeysuckle restoration effort related to the Lauro Retention Basin Enlargement Project. This Scope of Work and Preliminary (nte) Budget Proposal will detail the services and expenses for Fiscal Year 11/12, July 1, 2011 through June 30, 2012.

The intention of this restoration project is to implement the revegetation and mitigation requirements identified by SAIC in the *Lauro Retention Basin Enlargement Revegetation Plan, July 2008* (Attachment A), relating to Santa Barbara Honeysuckle and Coast Live Oak tree replacement for losses incurred during the construction of the Lauro Retention Basin enlargement project. As specified in this Plan, restoration requirements of these two species include no less than fifty, one gallon size Santa Barbara Honeysuckle plants and no less than 160 acorn, Coast Live Oak seed planting, and an organized maintenance and monitoring period covering up to at least five years after planting, to encourage the achievement of the defined Performance Criteria of this mitigation effort.

Maintenance and Monitoring responsibilities are detailed in the SAIC Site Revegetation and Compensation Plan, and specify that project plants and trees will be protected, irrigated and maintained for a minimum of three years, and monitored for a total of five years, after planting. At the end of five years, specific Performance Criteria must be achieved relating to number of survivors, growth performance, duration of self-sufficiency, and several other criteria detailed in that Plan. (Attachment A)

The Year 1, revegetation project related to the construction at the Lauro Retention Basin was conducted in March, 2010 in two locations bordering the Lauro Retention Basin and the Lauro Reservoir. 300 acorn seeds were planted at 100 site locations containing three seeds per location. All Oak seed planting was conducted according to the specifications detailed by the

SAIC Restoration Plan and the approved Scope of Work related to this project (SOW, Oak Tree and Honeysuckle Restoration Plan, Year 1, Feb.7, 2010) .

Santa Barbara Honeysuckle replacement requirements are detailed in Section 3.1 of the Resource Compensation section on the SAIC Plan (Attachment A) and require a planting of at least fifty, one-gallon size honeysuckle plants. In March 2011, sixty-four, one-gallon size SB Honeysuckle were available from the grower, and planted along the north-west facing slope of the Lauro Retention basin below the canopy of the Oak woodland. The increased number of plantings, from #50 to #64, is intended to allow for potential losses over time and to help ensure a fifty plant survivorship in three years.

At the request of COMB management, an outplanting effort of #25, one-gallon size *Quercus agrifolia* was conducted along the lower regions of the north-facing slope of the Lauro Reservoir in March, 2011. The purpose of the additional tree planting effort is to aid in meeting the performance criteria requiring trees at attain six feet in height with a 2" trunk caliper, after five years of maintenance and monitoring. Container trees were planted in hand-dug holes, lined with gopher protective baskets and the inclusion of one deep-watering tube. Watering wells were constructed around each newly planted tree and mulched with 3" of Oak leaf fodder necessary for fertilization, moisture retention and weed control. Each tree received protective fencing constructed of 1" chicken mesh wire, 4' in height, formed in a 3' diameter cage supported by two rebar stakes. Trees were watered immediately after planting.

Container tree maintenance and watering in FY11/12 will be conducted in parallel effort to the activities of the Year 1 seed-tree care at Lauro Reservoir. As winter rains diminish during the rainy season of 2011, watering activities will be initiated and increased as hot, summer months approach. During the hottest months of summer and into fall of 2011, small seedling trees and container trees will be watered weekly, and watering will be reduced in frequency as cooler weather and seasonal rains begin near the end of 2011, in November and December. When rain saturation has occurred in all areas of the Lauro Retention Basin Project, tree irrigating will cease and winter maintenance and monitoring will begin. All trees and shrubs will be monitored twice a month in the winter months and watering activities will be conducted as needed according to prevailing weather patterns to support plant prosperity and survival requirements.

Watering activities will continue, as needed for at least three years on all plantings and monitoring will continue for up to five years, according to specific Plan guidelines. An Annual Report will be submitted to COMB management at the end of each planting year, in or around March, detailing project successes and failures, survivorship, and health.

The following Task Details will outline the description of activities to be conducted during Fiscal Year 2011/2012, July 1, 2011 through June 30, 2012.

TASK 1. Maintenance and Monitoring

Coast Live Oak Trees at Lauro Reservoir

Budgeted watering activities within this Scope of Work will include Up To:

Weekly watering activities will be in place by the beginning of FY11/12, July 1, 2011 to all seed-tree Oaks (#100) and container Oaks (#25) at Lauro Reservoir as summer months progress. Watering activities will be conducted by a two man crew, transporting water to the project site by water truck and pumping irrigation water to individual trees using 1-4hp pump, and 1" hoses to access trees along the slopes above the Lauro Reservoir. New container tree Oaks will receive approximately 10 gallons of water each week using the deep watering tube installed at planting as well as the filling of the water basin created by the soil berm. The deep watering will promote tap root development and speed self-sufficiency and adaptation to native conditions. Seed trees will be watered weekly with surface water application of approximately 10 gallons per tree by filling watering basins once, allowing deep saturation, and re-filling basins. Watering of the second-year seed trees will be applied on the same schedule as the container trees, to boost growth and strive towards meeting the goals of the Performance Criteria pertaining to this project.

The summer watering schedule for all Oak trees provides for dedicated watering responsibilities at weekly intervals from July 1, 2011 through Fall, possibly through October. The specific watering schedule will be flexible and responsive to prevailing weather conditions, and may be modified to meet the survival and prosperity requirements of the individuals if extreme conditions occur. Watering will be reduced as weather cools and winter rains begin.

Weed control, mulch and berm maintenance, and health monitoring of individual trees will occur as an ongoing task during the summer maintenance period and will be conducted during irrigation activities. Maintenance of watering well construction will be important along all steep sloping areas, if successful hydration is to occur using surface applications.

All trees will be monitored through the winter months of 2012 two times per month for health, survival, and identification of requirements in maintenance or protection. Maintenance activities will be initiated as needed. Winter watering will be applied if weather conditions demand actions for survival. Spring watering will likely occur in early April and this task budget allows for up to one water application in April, 2012, two water applications in May, 2012, and three water applications in June 2012.

Santa Barbara Honeysuckle Plants at Lauro Retention Basin

Honeysuckle plants planted in 2010 will be watered as necessary to promote survival, growth and prosperity towards the performance criteria specified in the SAIC restoration plan. The Year 1 activities for the Honeysuckle project have yielded large, healthy plants that were supported towards self sufficiency by regular winter rains of 2010/2011. Watering responsibilities, if any, for these plants should be minimal during the summer of 2011, and this SOW will allow for up to three water applications during this time period, applied

monthly during July, August, and September. Maintenance activities within this project zone include hand removal of invasive Hemlock and Poison Oak and other non-native, invasive weeds, gopher control, and maintenance of access to, and identification of project individuals.

TASK 2. Meetings and Reporting

All plants and trees are affixed with a metal identification tag after planting, and monitoring will continue throughout the duration of the required monitoring period. A continuing record of survivorship, documentation of growth, health and vigor will be maintained on all Oak tree and Honeysuckle planting sites. Photo documentation is maintained throughout the project duration of all project activities.

At the end of each Project year, a complete Monitoring Report will be delivered to COMB management. This report will document project activities, successes, failures and will provide recommendations for future actions needed in achieving the goals set forth in the Performance Criteria for each species.

TASK 3. Field Maintenance Activity Training

At the request of Mr. Jim Colton, Task 3 has been added to the maintenance and monitoring responsibilities for the Lauro Revegetation Project to include a training session for selected COMB employees who may take over the maintenance activities of this project for the FY12/13.

Ms. Fournier recommends that COMB staff simply spends time with Ms Fournier and her crew during the process of maintenance activities and watering in the month or two prior to the end of the FY11/12 in order to observe the locations of the specific tree sites, learn the watering and maintenance techniques, assess and the equipment necessary for watering, and share questions and answers about the project care.

There would be no charges for training to be conducted in the shadows of regular maintenance activities.

PRELIMINARY

**BUDGET PROPOSAL FOR INSTALLATION AND MAINTENANCE EFFORTS
RELATED TO THE LAURO RETENTION BASIN ENLARGEMENT PROJECT**

OAK TREE AND SB HONEYSUCKLE RESTORATION PROGRAM

Fiscal Year 2011/2012
July 1, 2011 thru June 30, 2012

CACHUMA OPERATION & MAINTENANCE BOARD

April 12, 2011

<u>TASK</u>		<u>COST BUDGET PER TASK</u>
TASK 1. FIELD MAINTENANCE AND MONITORING	07/01/11 - 12/31/11 01/01/12 - 06/30/12	\$22,550 \$12,425
TASK 2. MEETINGS AND REPORTING		\$ 1,200
TASK 3. FIELD MAINTENANCE ACTIVITY TRAINING		No Charge

TOTAL BUDGET COSTS PER TASK..... \$36,175

**TOTAL BUDGET PROPOSED: MAINTENANCE, MONITORING AND
REPORTING**

July 1, 2011 thru June 30, 2012 (Not To Exceed)..... \$36,175.00

=====

ATTACHMENT A

COMB, Lauro Retention Basin Enlargement Revegetation Plan, July 2008 Resource Compensation and Performance Criteria, Coast Live Oaks and SB Honeysuckle

3.0 RESOURCE COMPENSATION

Santa Barbara honeysuckle and coast live oak container plantings will be installed as described in sections 3.1 and 3.2. Planting will take place at the beginning of the rainy season, generally between October and December. Oaks and honeysuckle will be planted after the first soaking rain. Trees will be planted as individuals and no denser than 10-foot centers.

All plantings will be inspected to ensure healthy container stock. Plants will be installed by hand and will have gopher cages to prevent root damage by rodents. Above ground caging is optional. A four inch berm approximately 2 to 3 feet in diameter will be constructed around each planting, and plants will be watered immediately after installation. Each planting will be numbered for tracking purposes. A drip irrigation system will be established to water all container plantings.

3.1 SANTA BARABARA HONEYSUCKLE

To compensate for the loss of approximately 50 mature Santa Barbara honeysuckle plants, Santa Barbara honeysuckle seed and/or cuttings will be collected on site and grown to 1 gallon size at a native plant nursery. Those plants will be installed at the project site at locations shown on Figure 2, or other suitable sites identified by COMB.

3.2 COAST LIVE OAK TREES

Up to 10 coast live oak trees may be impacted by the project. To compensate for this, 80 coast live oak trees will be established on site at the end of the monitoring period. Approximately 160 coast live oak trees will be grown from acorns collected onsite or in adjacent areas of the same watershed for propagation to ensure 80 trees are surviving and meet the performance criteria at the end of the monitoring period. Planting locations include the area between the retention basin and San Roque Road (see Figure 2) and other areas near Lauro Reservoir on U.S. Bureau of Reclamation property, which may include slopes to the Reservoir itself and/or in the vicinity of the COMB offices.

3.3 MARSH VEGETATION

Marsh vegetation that will be removed for construction of the dam will be cut 1-6 inches above ground level. The remaining (rooted) portions will be carefully removed in sections to transplant to compensation areas along the bank of Lauro Reservoir (see Figure 3 for marsh planting compensation areas). Transplanted vegetation will be watered daily when not already inundated by Lauro Reservoir.

Remaining pieces of marsh vegetation will be held in the shade at or near the construction site and watered daily. These will be replaced at the toe of the new dam after construction in that part of the project is complete.

Goal: At the end of the monitoring period, planted Santa Barbara honeysuckle and coast live oaks should be able to survive indefinitely without further protection or maintenance. Young plants must be readily able to withstand normal seasonal droughts and herbivores, especially deer.

Objectives: By the end of the monitoring period, at least 50 of the planted honeysuckle and 80 of the planted coast live oak trees must survive, and meet the following criteria:

- Have vigorous appearance;
- Have survived a period of two (2) years with no supplemental irrigation and no above ground protection from herbivores

The following criteria apply to coast live oaks only:

- Be a minimum of two (2) inches in basal diameter and have increased in basal diameter within the last 2 years of monitoring;
- Be a minimum of six (6) feet tall; and
- Have survived a minimum of 5 years since planting

The following criteria apply to Santa Barbara honeysuckle only:

- Have survived a minimum of 3 years since planting

Note: it may take more than 5 years for oak trees to meet size criteria

Goal: At the end of the 3-year monitoring period, marsh compensation areas should be able to survive indefinitely without further protection or maintenance.

Objectives: By the end of the monitoring period, areas set aside for marsh compensation must meet the following criteria:

- Have vigorous appearance;
- Have no areas exceeding 4 square feet without marsh vegetation; and
- Presence of invasive weedy species does not exceed adjacent areas.

These criteria will be evaluated during monitoring and may be revised to take into account any unusual conditions, such as drought, and to incorporate the latest standards generally acceptable to the local scientific community.

6.0 REPORTING

For restoration monitoring, a summary report will be prepared each year that describes the monitoring conducted, any weed control or other maintenance (e.g., watering) performed, problems noted and how resolved, and progress towards meeting the performance criteria. The report will include at least two photographs. Once the performance criteria are met for any one part of the project, no further reporting will be necessary. The restoration monitoring reports will be submitted to COMB no later than February 1, covering the previous calendar year.



AECOM
 5851 Thille Street
 Suite 201
 Ventura, CA 93003
 www.aecom.com

805 644 9704 tel
 805 642 8277 fax

May 9, 2011

Mr. Jim Colton
Cachuma Operation & Maintenance Board
 3301 Laurel Canyon Road
 Santa Barbara, CA 93105

Dear Jim:

**Subject: Cachuma Operation & Maintenance Board
 Design Services for Modified South Coast Conduit Upper Reach
 Reliability Pipeline Project
 Task Order No. 37**

Transmitted herewith are three copies of the Task Order No. 37 dated April 15, 2011, and an anticipated project schedule for engineering services for the Modified South Coast Conduit Upper Reach Reliability Pipeline Project. It is our understanding that these services will be completed as an amendment under our Engineering Services Agreement for Investigation and Engineering Study for South Coast Conduit (SDD), dated February 22, 1999. In summary, this Task Order provides for design services for the following:

- ❖ Rehabilitation of three blowoffs at Stations 12+62, 23+97 and 30+61
- ❖ Rehabilitation of three air valves
- ❖ Rehabilitation of up to two sections of the SCC, not exceeding 1,500 feet total length
- ❖ Replacement of the Glen Annie Weir
- ❖ Replacement of the Goleta West Meters
- ❖ Replacement of the South Portal Transition Structure and upstream connecting pipeline

As requested we will schedule the completion of these tasks such that the fee expended prior to July 1, 2011 will not exceed \$65,000.


After your review of the attached Scope of Work and concurrence, please sign all three copies where indicated below and return two copies to our office. We sincerely appreciate the continued opportunity to provide engineering services to COMB. Please call if clarification is required.

Sincerely,

AECOM


 Glen M. Hille, PE
 Vice President West Region

Approved by:
 Cachuma Operations and Maintenance Board



 Kate Rees Date
 General Manager 5/11/11

Scope of Work – Task Order No. 37

Cachuma Operation and Maintenance Board

Design Services for Modified South Coast Conduit

Upper Reach Reliability Pipeline Project

May 9, 2011
Page 1 of 7

Background and Overview

The Cachuma Operation and Maintenance Board (COMB) operates the South Coast Conduit (SCC) from the Lake Cachuma north portal to the Carpinteria Reservoir. In 2002, COMB retained Boyle Engineering Corporation (Boyle) to perform a Reliability and Alternatives Study for the Upper Goleta Reach of the SCC (south portal of the Tecolote Tunnel to the Corona Del Mar Water Treatment Plant (CDMWTP)). In that report, one of the recommendations was to construct a second (redundant) pipeline for that reach in order to increase system reliability.

In 2005 to 2010, COMB retained Boyle to provide the engineering services for the design and bid phases of the project. Due to funding constraints, COMB has deferred the project. COMB has recently requested AECOM to provide engineering services for the design and bid phase services for the following facilities which are located on or adjacent to the SCC downstream of the Tecolote Tunnel and upstream of the CDMWTP:

- ♦ Rehabilitation of three blowoffs at Stations 12+62, 23+97 and 30+61
- ♦ Rehabilitation of three air valves
- ♦ Rehabilitation of up to two sections of the SCC, not exceeding 1,500 feet total length
- ♦ Replacement of the Glen Annie Weir
- ♦ Replacement of the Goleta West Meters
- ♦ Replacement of the South Portal Transition Structure and upstream connecting pipeline

The design of these project components will be packaged into one prime public works project anticipated to be less than \$5.0M.

Part 1 - Preliminary Design Phase

Task 37100 – Concept Design Refinement

Task 37110 – Kickoff Meeting. AECOM will prepare for and attend a kickoff meeting to discuss the project specifics with COMB key staff members.

Task 37120 – Preliminary Analysis. AECOM will update the alternatives and structure concepts. The hydraulic gradeline requirements for the SCC at the Goleta West Conduit and CDMWTP turnouts will be reconfirmed.

AECOM will review the existing easement documentation and confirm, on the basis of those documents, the locations of the proposed project components relative to the easements.

AECOM will coordinate the proposed modifications to the Glen Annie Turnout and Goleta West Meters with Goleta Water District Staff. It is anticipated that up to two (2) meetings will be required with AECOM, COMB and GWD staff.

AECOM will retain a subconsultant to provide base mapping for the Glen Annie Turnout area (up to 100 ft upstream and 500 ft downstream).

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AECOM will conduct reconnaissance level field review of the project related facilities and sites. The review will be limited to facilities and conditions exposed to view at ground level. The review will concentrate on factors pertinent for determining: 1) existing facility functional (hydraulic) relations to the subject project facilities; and 2) visible site conditions that could affect the proposed pipeline alignment.

AECOM will conduct a preliminary analysis review meeting to discuss the above analysis and confirm COMB's limitation relative to budgets and schedules.

Task 37130 – Concept Design. AECOM will compile a concept design report which is described by the following outline:

- ♦ Background Alternatives and Project Selection (one page of text)
- ♦ BO/ARVs concept design (one page with text and layout)
- ♦ Glen Annie Turnout concept design (one page with text and layout)
- ♦ Goleta West Meter concept design (one page with text and layout)
- ♦ South Portal transition structures concept design (up to four drawings)
- ♦ SCC Rehabilitation – discussion of approach for investigation and optional bid item (two pages of text and layouts)
- ♦ Environmental – anticipated issues
- ♦ Permitting – anticipated issues
- ♦ Right-of-way/Easements – anticipated issues
- ♦ Opinion of Probable Cost (up to 40 components)
- ♦ Anticipated Schedule (up to 40 tasks)

Task 37140 – Project Management – Concept Design. AECOM will attend up to four (4) coordination meetings with COMB and other COMB project consultants to discuss the project development. AECOM will provide monthly invoicing identifying the status of the project.

Part 2 - Design Phase

Task 37200 – Design Phase

Task 37210 – 65% Design. AECOM will provide 65% design drawings and draft of technical specifications for the following project components:

- ♦ BO (1) drawings
- ♦ ARV (1) drawing
- ♦ Rehabilitation or replacement of 1500 ft (two sections)¹ of the SCC (6) drawings
- ♦ Glen Annie TO (2) drawings
- ♦ Goleta West Meters (2) drawings
- ♦ SP Transition Structure² and grading of a five acre area to "level" the stockpile soil

¹ One section will be a 1000± ft section immediately downstream of the South Portal transition structure.

² Modified drawings from previous design:

G-1 – G-4	D-1	D-9	D-19 – D-21
C-10	D-4	D-10 – D-17	E-1

Task 37220 – Design Review. AECOM will meet with COMB to discuss the 65% design submittal.

Task 37230 – Final Design and Contract Document Preparation. AECOM will complete the design of the project components identified in Task 37210 and compile the contract documents as outlined below:

- ♦ General Conditions (with optional bid item for replacement of sections of the SCC)
- ♦ Specifications (including coordination of SCC inspection and Applied Earthworks' photo documentation of the south portal transition structure)
- ♦ Design Drawings 100%
- ♦ Appendices
 - A Reference Drawings
 - B Permits
 - C Geotechnical Study SCC Upper Reach Second Barrel Pipeline Project
 - D Final Environmental Impact Statement/Environmental Report
 - E Easements
 - F Revegetation Plan
 - G Special Status Species Protection Plan

Task 37240 – Engineer's Opinion of Probable Construction Cost. AECOM will compile an Engineer's Opinion of Probable Construction Cost for the project components.

Task 37250 – Project Management for Final Design. AECOM will attend up to four (4) coordination meetings with COMB and COMB other project consultants to discuss the project development. AECOM will provide monthly invoicing identifying the status of the project.

Task 37260 – Supplemental Engineering Services. AECOM will provide up to 80 manhours of effort for supplemental engineering services that may be required.

Part 3 - Bid Phase Service

Task 37300 – Contractor Prequalification Package

Boyle will assist COMB in conducting, coordinating, and performing a prequalifications and selection process for the pipeline contractor.

The Department of Industrial Relations has developed a model and relevant criteria that can be utilized by COMB. It is accompanied by a publication explaining how to score the questionnaire. Contractors who receive an acceptable score will be deemed responsible, prequalified bidders. The prequalification selection process will include the following tasks:

Task 37310 – Meet and Discuss Prequalifications Processes. Meet and discuss prequalifications processes and selection criteria with COMB representatives/personnel.

Task 37320 – Assist in Identifying Eligible Contractors. By contacting local cities, counties, consultants, contractors and/or special districts, assist COMB in identifying a list of contractors that have prior experience with similar projects. Contact the contractors identified to advertise COMB's project.

Task 37330 – Draft Prequalifications Questionnaire and Advertisement. Utilizing the Department of Industrial Relations model as a format, Boyle will draft a prequalifications questionnaire and advertisement for COMB and USBR review and approval. Meet to discuss COMB comments. Finalize prequalifications advertisement and prequalifications questionnaire. Submit one reproducible copy for COMB's reproduction and distribution.

Task 37340 – Facilitate Review of Prequalifications Submittals. Facilitate COMB's review of prequalifications submittals received from interested contractors.

Task 37350 – Facilitate Interviews and Evaluation Process. Facilitate COMB's interviews and evaluation process to define a list of qualified contractors.

Task 37360 – Draft Notification Correspondence. Compile draft letters of notification for firms that responded.

Task 37370 – Orientation Meeting. Conduct an orientation meeting with selected firms. Identify project data to be provided by COMB to selected firms.

Task 37400 – Engineering Services During Bid Phase

Assist COMB during the bid phase of the project. It is assumed that one (1) construction contract will be implemented. AECOM will provide one set of mylar and one set of reproducible specifications for reproduction and distribution by COMB staff. AECOM will attend the preproposal meeting, bid opening, and compile up to three (3) addendums.

Part 4 - Construction Phase Engineering Services (Future Task Order)

❖ Construction Contract Administration

- ◆ Conduct Meetings
- ◆ Review contractors construction schedule
- ◆ Maintain contract files
- ◆ Review contractor's monthly progress payment requests
- ◆ Punch lists/final project review with COMB/submit recommendation for project acceptance
- ◆ Program Management/quality control
- ◆ Workshops

❖ Submittal Processing Review and Supplemental Engineering

- ◆ Receive and Review up to 8 sets of submittals and O&M Manuals
- ◆ Supplemental Engineering Services

❖ Change Order Management and Requests for Information (RFIs)

- ◆ Investigate proposed change orders and RFIs
 - Prepare change order estimates
 - Coordinate responses to RFIs
 - Evaluate the Contractor's price proposals
 - Maintain a change order log

- ❖ Technical Support for SCC Condition Investigation Conducted by COMB. AECOM will provide up to 16 manhours of technical support during the investigation of the SCC condition assessments conducted by others.
- ❖ Permit Coordination
- ❖ Construction Observations
- ❖ Record Drawings
- ❖ Easement and Right-of-Way Coordination
- ❖ Materials Testing Services and Geotechnical
 - ◆ Construction Drawings and Specification Review, Preconstruction Meetings
 - ◆ Construction Materials Testing
 - Laboratory testing of proposed construction materials
 - In-place density testing of pipe/trench zone and restoration grading activities
 - Sampling and testing of concrete materials
 - Geotechnical observation as requested
 - ◆ Report Preparation
- ❖ Labor Compliance Services
 - ◆ Pre-Job Conference
 - ◆ Monthly Audit of Contractor Certified Payroll
 - ◆ Monthly On-Site Interview
 - ◆ Violation Enforcement and Recommendations
 - ◆ Annual Reporting to the Department of Industrial Relations (DIR)

Schedule

It is anticipated that the Scope of Services (Excluding Construction Phase Services) associated with this proposal can be completed in 180 calendar days from the notice to proceed. The attached preliminary schedule provides the sequence and duration anticipated. Authorization is anticipated within seven (7) days to maintain the schedule.

Fee Estimate

The estimated engineering effort and estimated fee are shown on the attached Fee Estimate.

Supplemental Conditions

Construction Safety

COMB agrees that in accordance with generally accepted construction practices, the construction contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the Project, including safety of all persons and property, and that this requirement shall be made to apply continuously and not be limited to normal working hours. AECOM shall not have control over or charge of, and shall not be responsible for, construction means, methods, techniques, sequences or procedures, as these are solely the responsibility of the construction contractor. AECOM shall not have the authority to stop or reject the work of the construction contractor.

Contractor Indemnification/Additional Insured

Client will require that any Contractor performing work in connection with the project for which AECOM is providing professional services, hold harmless, indemnify and defend Client, AECOM, their consultants, and each of their directors, officers, agents and employees from any and all liability, claims, losses, damage and costs, including attorneys' fees, arising out of or alleged to arise from the Contractor's performance of the work described in the construction contract documents, but not including liability that may be due to the sole negligence of Client, AECOM, their consultants, or their directors, officers, agents and employees.

Client will require the Contractor to provide workers' compensation and commercial general liability insurance, including completed operations and contractual liability, with the latter coverage sufficient to insure the Contractor's indemnity, as above required; and such insurance shall include Client, AECOM, their consultants, and each of their directors, officers, agents and employees as additional insureds.

Hazardous Materials

In providing its services hereunder, neither AECOM nor its subconsultants shall be responsible for identification, handling, containment, abatement, or in any other respect, for any asbestos or hazardous material if such is present in connection with the project. In the event that CLIENT becomes aware of the presence of asbestos or hazardous material at the jobsite, CLIENT shall be responsible for complying with all applicable federal and state rules and regulations, and shall immediately notify AECOM, who shall then be entitled to cease any of its services that may be affected by such presence, without any liability to AECOM or its subconsultants arising there from.

Cost Estimate

AECOM has no control over the cost of labor, materials, equipment or services furnished by others or over Contractor's methods of determining prices, or other competitive bidding or market conditions, practices or omissions on the site. Any cost estimates provided by the Consultant will be made on the basis of his experience and judgment. Estimates of probable construction costs may vary from actual construction costs.

Re-Use of Documents

Documents, drawings, specifications, and electronic information/data, including computer aided drafting and design ("CADD"), prepared by CONSULTANT pursuant to this agreement are not intended or represented to be suitable for reuse by CLIENT or others on extensions of the Project or on any other project. Any use of completed documents for other projects and any use of incomplete documents without specific written authorization from CONSULTANT will be at CLIENT's sole risk and without liability to CONSULTANT.

Right to Rely

Consistent with the professional standard of care and unless specifically provided herein, AECOM shall be entitled to rely upon the accuracy of data and information provided by the COMB or others without independent review or evaluation.

Assumptions

In preparing this proposal, the following assumptions were made:

- COMB will pay all permit fees and prepare permit applications.
- CEQA process is by others.
- Permit process is by others.
- Environmental Mitigation is by others.
- ROW and Easements compilation is by others.
- Except for base mapping adjacent to Glen Annie turnout, survey services is by others.
- Coordination and Management of Proposition 50 funding is by others.

- No additional geotechnical services are anticipated.
- The existing SCC can be shut down for repairs and rehabilitation. Design of linestops and bypasses is not included within the estimated level of effort.
- Proposal is valid for sixty days.

Cachuma Scope of Work - Task Order No. 37 Modified South Cost Conduit (SCC) Upper Reach Reliability Pipeline Project
Fee Estimate

Task	Description	AECOM Level of Effort		Sub-Consultant
		MH	(\$)	
Part 1 - Preliminary Design				
37100	Concept Design Refinement			
37110	Kickoff Meeting	8	\$ 1,400	
37120	Preliminary Analysis	8	\$ 1,400	\$ 3,000
37130	Concept Design Letter Report - 30% Design			
	Background Alternatives and Project Selection	2	\$ 300	
	BO/ARVs concept design	2	\$ 300	
	Glen Annie Turnout concept design	8	\$ 1,400	
	Goleta West Meter concept design	8	\$ 1,400	
	South Portal transition structures concept design	4	\$ 700	
	SCC Rehabilitation - discussion of potential issues	20	\$ 3,500	
	Environmental - anticipated issues	4	\$ 700	
	Permitting - anticipated issues	4	\$ 700	
	Right-of-Way / Easements - anticipated issues	4	\$ 700	
	Opinion of Probable Cost	12	\$ 2,100	
	Anticipated Schedule	8	\$ 1,400	
37140	QC / PM - Concept Design	68	\$ 11,800	
	Subtotal Part 1	160	\$ 27,800	
Part 2 - Design Phase				
37200	Design Phase			
37210	65% Design			
	BO (1) drawings	24	\$ 4,200	
	ARV (1) drawing	24	\$ 4,200	
	Pipe Rehabilitation (6) drawings	100	\$ 17,400	
	Glen Annie TO (3) drawings	80	\$ 13,900	
	Goleta West Meters (2) civil drawings and 2 electrical drawings	96	\$ 16,700	
	SP Transition Structure ¹	64	\$ 11,100	
37220	Design Review	16	\$ 2,800	
37230	Final Design and Contract Document Preparation			
	General Conditions	47	\$ 8,200	
	Specifications	80	\$ 13,900	
	Design Drawings 100% (24 drawings)	320	\$ 55,600	
	Appendices			
	A Reference Drawings	1	\$ 200	
	B Permits	8	\$ 1,400	
	C Geotechnical Study SCC Upper Reach Second Barrel Pipeline Project ²	1	\$ 200	
	D Final Environmental Impact Statement/Environmental Report ²	8	\$ 1,400	
	E Easements ²	8	\$ 1,400	
	F Revegetation Plan ²	8	\$ 1,400	
	G Special Status Species Protection Plan ²	8	\$ 1,400	
37240	Opinion of Probable Cost	40	\$ 6,900	
37250	Project Management	96	\$ 16,700	
37260	Supplemental Engineering Services	80	\$ 13,900	
	Subtotal Part 2	1029	\$ 182,900	
Part 3 - Bid Phase Service				
37300	Prequalifications	120	\$ 20,800	
37400	Bid Phase Engineering Services	120	\$ 20,800	
	Subtotal Part 3	240	\$ 41,600	
Part 4 - Construction Phase Engineering Services				
	Construction Contract Administration			
	Conduct Meetings		TBD	
	Review contractor's construction schedule		TBD	
	Maintain contract files		TBD	
	Review contractor's monthly progress payment requests		TBD	
	Punch lists / final project review with Comb / submit recommendation for project acceptance		TBD	
	Program Management / quality control		TBD	
	Workshops		TBD	
	Submittal Processing Review and Supplemental Engineering			
	Receive and Review up to set of submittals and O&M Manuals		TBD	
	Supplemental Engineering Services		TBD	
	Change Order Management and Requests for Information (RFIs)			
	Investigate proposed change orders and RFIs		TBD	
	Prepare change order estimates		TBD	
	Coordinate responses to RFIs		TBD	
	Evaluate the Contractor's price proposals		TBD	
	Maintain a change order log		TBD	
	Technical Support for SCC Condition Investigation Conducted by COMB			
	Permit Coordination		TBD	
	Construction Observations			
	Record Drawings		TBD	
	Easement and Right-of-Way Coordination		TBD	
	Materials Testing Services and Geotechnical			
	Construction Drawings and Specification Review, Preconstruction Meetings		TBD	
	Construction Materials Testing		TBD	
	Laboratory testing of proposed construction materials		TBD	
	In-place density testing of pipe/trench zone and restoration grading activities		TBD	
	Sampling and testing of concrete materials		TBD	
	Geotechnical Observation as requested		TBD	
	Report Preparation		TBD	
	Labor Compliance Services			
	Pre-Job Conference		TBD	
	Monthly Audit of Contractor Certified Payroll		TBD	
	Monthly On-Site Interview		TBD	
	Violation Enforcement and Recommendations		TBD	
	Annual Reporting to the Department of Industrial Relations (DIR)		TBD	
	Assumptions			
	Pipeline Inspection by others - coordinate		TBD	
	Environmental by others		TBD	
	Environmental Mitigation Monitoring by others		TBD	
	Permitting by others		TBD	
	ROW/Easements by others		TBD	
	Surveys by others		TBD	
	Coordination and Management of Proposition 50 by others		TBD	
	No additional geotechnical services are anticipated		TBD	
	Total	1429	\$ 262,300	\$ 3,000

It is anticipated that an engineering fee of \$265,300 will be required to accomplish the above-referenced engineering tasks based on an average of \$160 per MH, and 8.5% for other direct costs. Compensation will be on a time and materials basis consistent with the 2011 Fee Schedule attached and our Engineering Services Agreement dated February 22, 1999.

1) Modified drawings from previous design:
 G-1 - G-4 D-4 D-10 - D-17
 C-10 D-9 D-19 - D-21
 D-1 E-1

2) These documents are to be compiled by others. AECOM services are limited to coordination of these documents for the development of the contract documents.

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AECOM
FEE SCHEDULE FOR PROFESSIONAL SERVICES
 Effective January 1, 2011

Engineers, Planners, Architects, Scientists:

Student Assistant	\$ 79.00 per hour
Assistant I	\$ 97.00 per hour
Assistant II	\$ 110.00 per hour
Associate	\$ 130.00 per hour
Senior I	\$ 155.00 per hour
Senior II	\$ 177.00 per hour
Principal	\$ 215.00 per hour
Company Officer	\$ 232.00 per hour
Special Consultant	\$ 180.00 per hour

Construction Administration Personnel:

Resident Project Representative	\$ 107.00 per hour
Senior Resident Project Representative	\$ 125.00 per hour
Resident Engineer	\$ 153.00 per hour
Construction Services Manager	\$ 202.00 per hour

Technical Support Staff:

Clerical/General Office	\$ 69.00 per hour
Administrative Specialist	\$ 81.00 per hour
Drafter/CADD Technician	\$ 72.00 per hour
Assistant CADD Operator	\$ 84.00 per hour
Designer/CADD Operator	\$ 95.00 per hour
Senior Designer/Design CADD Operator	\$ 110.00 per hour
Design/CADD Supervisor	\$ 123.00 per hour

General Project Expenses ^{1/} 8.5% of Labor

Direct Project Expenses

Other Reproduction (8 1/2 x 11/11x17 Color)	\$1.15/1.50 per page
Plan Sheet Printing - In House Bond/Vellum/Mylar	\$3.00/4.00/7.00 per sheet
Subcontracted Services/Reproduction	Cost + 15%
Subcontracted or Subconsultant Services	Cost + 15%
Auto Mileage for Construction Phase Services	\$0.60 per mile
Travel & Subsistence (other than mileage)	Cost
Miscellaneous Materials	Cost + 15%

If authorized by the Client, an overtime premium multiplier of 1.5 may be applied to the billing rate of hourly personnel who work overtime in order to meet a deadline which cannot be met during normal hours.

Applicable sales tax, if any, will be added to these rates. Invoices will be rendered monthly. Payment is due upon presentation. A late payment finance charge of 1.5% per month (but not exceeding the maximum rate allowable by law) will be applied to any unpaid balance commencing 30 days after the date of the original invoice.

Fee schedule is subject to change annually.

^{1/} *Includes mail, telephone, fax, office photo copies, personal computers and mileage (except as noted).*

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COMB FY 2011-12 Budget
Fisheries Division - Budget Estimates
(Drafted from Consultants' Proposed Scopes of Work)

	1	2	3	4	5	6	7	8	9	10	11	12	Total
	Entrix	Stetson	Hanson	HDR-FDC	NHC	NCHC	PF&P	MFourmier	Rauch	NOAA-SC	CCSE	USGS	Consultant
Operation and Maintenance													
4222 1 El Jaro Creek - Rancho San Julian (O&M support)				\$6,000									\$6,000
4222 2 Quiota Creek - Crossing 6 (O&M support)				\$4,000									\$4,000
4222 3 El Jaro Creek - Cross Creek Ranch (O&M support)					\$5,000								\$5,000
General and Administrative													
5441 1 Legal						\$25,000							\$25,000
5431 2 Public Information (outreach)												\$2,000	\$2,000
5418 3 Computer Consultant (webpage support)						\$4,000							\$4,000
Special Projects													
6201 1 BOJFMP implementation and technical support:	\$52,000	\$21,500	\$18,000	\$5,000					\$15,000			\$10,000	\$121,500
- a BO compliance tasks and support	\$17,000	\$9,000	\$12,000									\$10,000	\$48,000
- b AMC and CC participation and technical support	\$8,000												\$8,000
- c Bed and Banks memo	\$10,000	\$3,500											\$13,500
- d Fisheries monitoring program support	\$12,000	\$9,000	\$6,000	\$5,000					\$15,000				\$47,000
- e Project management	\$5,000												\$5,000
6202 2 GIS and mapping													\$10,000
6203 3 Grants Technical Support													\$10,000
6204 4 Santa Ynez River Hydrology Technical Support		\$25,000											\$25,000
6205 5 USGS Stream Gauge Program												\$75,000	\$75,000
6206 6 Tri-County Fish Team Funding										\$5,000			\$5,000
6207 7 Oak Tree Restoration Project							\$8,000						\$8,000
6208 8 Legislative Fisheries Support							\$8,000						\$8,000
6209 9 SYR Riverware Model Peer Review												\$60,000	\$60,000
Habitat Enhancements													
6303 1 Quiota Creek - Tributary Projects Technical Support				\$2,000									\$2,000
6304 2 Quiota Creek Design Support				\$33,000									\$33,000
6307 3 Quiota Creek Fish Passage Project - Crossing 2				\$10,000									\$10,000
6308 4 Quiota Creek Fish Passage Project - Crossing 7				\$10,000									\$10,000
TOTAL:	\$52,000	\$46,500	\$18,000	\$70,000	\$5,000	\$25,000	\$8,000	\$80,000	\$4,000	\$15,000	\$5,000	\$75,000	\$1,633,624
													\$2,037,124

**Cardno ENTRIX
Cachuma Project Fisheries Assistance
Exhibit A**

**Scope of Work
Fiscal Year 2011-2012
July 1, 2011 through June 30, 2012**

**TASK 1000
BO/Plan Implementation and Technical Support
Task Budget: \$52,000**

This task is tailored to provide support for the Fisheries MOU which implements the actions outlined in the Cachuma Project Biological Opinion (BO) and Lower Santa Ynez River Fish Management Plan (Plan). The tasks that are authorized under this budget are outlined below. Sub-task budgets are provided.

1301: BO Compliance Tasks and Support \$17,000

Cardno ENTRIX assists in the coordination of the ongoing BO compliance effort. Tasks include technical support, preparation and review of technical reports, coordination among the science advisory committee and legal counsel. This estimate includes conference calls plus limited preparation and follow-up per call.

1302: AMC and CC Participation and Technical Support \$8,000

Ms. Baldrige is the COMB representative on the Adaptive Management Committee (AMC). This task includes time for Ms. Baldrige to participate as a member of the AMC. This task is scoped for conference calls, plus preparation and follow-up per call as well as Ms. Baldrige’s participation in a face-to-face meeting of the AMC and CC if necessary. Cardno ENTRIX will provide technical support to the COMB in preparing work products for the AMC and the CC as required.

1304: Bed and Banks Revised Memo \$10,000

This scope of work includes time for Cardno ENTRIX to incorporate CDFG and NMFS comments and anticipates memo revisions and model recalculations to finish the Bed and Banks memo.

1307: Fisheries Monitoring Program Support \$12,000

This Scope of Work includes time for Cardno ENTRIX to review the current fisheries monitoring program and annual report for efficiency and efficacy in meeting the terms and conditions of the BO. Based on this review, recommendations for amendments to the monitoring program may be proposed and submitted to NMFS for consideration. As requested, Cardno ENTRIX will provide analytical support and technical review of annual reports.

1200: Task Management and File Maintenance \$5,000

Time is included for task management, budget coordination and accounting throughout the fiscal year.

Table 1: Summary of Estimated Fiscal Year 2011-12 Cardno ENTRIX Budget from July 1, 2011 to June 30, 2012.

COMB SOW FY 2011-2012 (7/1/11-6/30/12)	
Task 1000 - BO/FMP implementation and technical support:	
Task 1301 BO compliance tasks and support	\$17,000
Task 1302 AMC and CC participation and technical support	\$8,000
Task 1304 Bed and Banks memo	\$10,000
Task 1307 Fisheries monitoring program support	\$12,000
Task 1200 Project management	\$5,000
<i>Subtotal - Task 1000</i>	\$52,000
TOTAL PROJECT COST	\$52,000



**SCHEDULE OF FEES
FISCAL YEAR 2011-2012
CACHUMA OPERATIONS AND MAINTENANCE BOARD**

PERSONNEL	Technician	\$72 /hr
	Project Assistant	80
	Assistant Staff Scientist/Engineer	93
	Computer/Production Specialist	99
	Technical Editor	99
	Project Coordinator	105
	Staff Scientist/Engineer	105
	Computer Aided Design/Drafting (CADD)	108
	Senior Staff Scientist/Engineer	121
	Project Scientist/Engineer	141
	Senior Project Scientist/Engineer	159
	Senior Consultant	186
	Technical Director	191

Hours spent in expert witness, deposition, or preparation for deposition will be charged at 1½ times normal billing rate.

EXPENSES Communication costs of six percent (6%) of total professional labor billings will be charged in lieu of the actual cost of long distance and cellular telephone costs, pager costs, postage costs, facsimile costs, routine black-and-white copying (less than 500 pages), incidental office supplies, and personal computer usage. GIS/Workstation utilization will be charged at \$45.00 per hour. Non-routine black-and-white copies will be charged at \$0.15 per page. All in-house color copies will be charged at \$.75 per 8.5 x 11 page and \$1.00 per 11 x 17 page. Oversized color copies will be as quoted. Each double-sided color or black-and-white copy will be charged as 2 pages. Use of a personal vehicle will be at the current IRS allowable rate (currently \$0.50 per mile) plus fifteen percent (15%) markup. All other costs identifiable to an assignment will be charged at cost plus fifteen percent (15%).

CONDITIONS ENTRIX specifies that our services are performed, within the limits prescribed by our Clients, with the usual thoroughness and competence of the environmental consulting profession. No other warranty or representation, either expressed or implied, is included or intended in our proposals, contracts, or reports.

Effective through June 30, 2012

**HDR Fisheries Design Center
Cachuma Project Fisheries Assistance
Exhibit A**

**Period of Performance and Scopes of Work
Fiscal Year 2010-2011
July 1, 2011 through June 30, 2012**

I. Period of Performance

The following scope of services is to be completed by ENGINEER within the Fiscal Year beginning July 1, 2011 and ending June 30, 2012 (FY 2011-2012).

II. Scopes of Work FY 2011-2012

Task 1: BO/FMP implementation and technical support Task Estimated Cost: \$ 5,000

Task 1.1 Fisheries monitoring program support *Estimated Cost: \$ 5,000*

ENGINEER will review, evaluate, and develop technical elements of fisheries related monitoring programs being implemented by COMB. Activities are anticipated to include background research, concept development, text development, and production of schematics supportive of program development. Data collection, review, synthesis and meeting attendance will be performed as directed by COMB.

Deliverables: Anticipated deliverables include miscellaneous text, calculations, data reviews, and meeting attendance as directed by COMB.

Task 2: Project Operation and Maintenance Task Estimated Cost: \$ 10,000

Task 2.1 El Jaro Creek at Rancho San Julian project –O&M technical *Estimated Cost: \$ 6,000*

ENGINEER will provide technical assistance to COMB corresponding to the operation, maintenance, and performance review of the Rancho San Julian project. Tasks are anticipated to include: refinement of monitoring methods and procedures; hydraulic review of fishway performance; troubleshooting of general operation and maintenance issues; review of miscellaneous technical data collected by COMB; assistance in preparation of an annual performance evaluation report. Activities will be performed by ENGINEER as directed by COMB.

Deliverables: Anticipated deliverables include miscellaneous text, calculations, data reviews, and meeting attendance as directed by COMB.

Task 2.2 Quiota Creek Crossing 6 – O&M technical *Estimated Cost: \$ 4,000*

ENGINEER will provide technical assistance to COMB corresponding to the performance evaluation of the Quiota Creek Crossing 6 restoration project. Tasks are anticipated to include: refinement of monitoring methods and procedures; hydraulic

review of the four grade control rock weirs; review of miscellaneous technical data collected by COMB; assistance in preparation of an annual performance evaluation report. Activities will be performed by ENGINEER as directed by COMB.

Deliverables: Anticipated deliverables include miscellaneous text, calculations, data reviews, and meeting attendance as directed by COMB.

Task 3: Habitat Enhancements

Task Estimated Cost: \$ 55,000

Task 3.1 Quiota Creek Fish Passage Program – technical support

Estimated Cost: \$ 2,000

ENGINEER will continue to support COMB in the implementation of fish passage projects along Quiota creek synonymous with the results presented in the Quiota Creek Watershed Fish Passage Enhancement Plan. Activities conducted under this task shall include:

- Incorporation of data, narratives, and figures into the existing Quiota Creek Watershed Fish Passage Enhancement Plan,
- Support of grant writing activities,
- Concept development and preparation of concept drawings,
- Preparation of concept level engineer’s construction cost opinions,
- Preparation of project descriptions and development of technical data, and
- Coordination with agencies and local governments in regards to fish passage guidelines.

Deliverables: Anticipated deliverables include miscellaneous text, figures, calculations, data reviews, and meeting attendance as directed by COMB.

Task 3.2 Quiota Creek Fish Passage Design Support

Estimated Cost: \$ 33,000

ENGINEER will complete the final design documents from the current design level to 100% with Santa Barbara County and regulatory agency approval for Crossings 1, 3, 4, 5 8 and 9. Final design documents will be wet sealed by a California Registered Professional Engineer and submitted to COMB for project grant proposal writing and construction bidding.

Deliverables: 100% regulatory approved designs ready for construction for the reworking of the weirs through the fish ladder.

Task 3.3 Engineering Oversight and Final Documentation

Estimated Cost: \$ 20,000

ENGINEER will oversee the construction of the Quiota Creek Crossings 2 and 7 Fish Passage Enhancement Projects. This will include review and reporting of any requested change-orders. Upon completion of the project, the ENGINEER will develop As-Built drawings.

Deliverables: Change-order documentation and stamped As-Build or Record Drawings of the completed project.

TOTAL ESTIMATED TASK ORDER COST:

\$ 70,000

Exhibit A

2

1/1/11

ITEM # 7
PAGE 84

Melinda Fournier, Oak Tree Revegetation Field Specialist

PRELIMINARY
AMENDMENT

SCOPE OF WORK

CACHUMA LAKE OAK TREE RESTORATION PROGRAM
Fiscal Year July 1, 2011 through June 30, 2012

CACHUMA OPERATION AND MAINTENANCE BOARD

May 15, 2011

The following Tasks 1 through 7 will summarize services to be delivered by Ms. Melinda Fournier and her crew in the implementation of the Modified Oak Tree Restoration Program at the Cachuma Lake Recreation Area, related to tree losses associated with the Federal Steelhead Fish Recovery Project for Year 7, July 1, 2011 through June 30, 2012.

This sixth year of Oak tree planting effort, along several planting sites bordering the Cachuma Lake shorelines at Storke Flats, was completed in early April, 2011. This effort marks the last year of planned Installation efforts proposed in the Cachuma Lake Oak Tree Replacement Program. This planting and maintenance program is intended to substantially replace tree losses around lakeshore boundaries that are a result of saturation and inundation of waters due to the higher elevations of surcharge events. Maintenance and monitoring activities within the irrigation weaning program are detailed in the Modified Oak Tree Restoration Program, (November 1, 2005) and are still in progress. Maintenance will continue for three years after Year 6 Installation efforts are completed.

Planting activities for Year 1 and 2 were conducted within the non-disturbed Storke Flats pasture area, bordering CA Hwy 154 along the south side of the lake approximately 2 miles south of Cachuma Lake Park. Planting activities for Year 3, 4, and 5 were conducted below the Bradbury Dam structure and were all executed within excavated areas, disturbed during the retrofit activities related to the Federal Steelhead Fish Enhancement Project or other construction activities related to fish recovery projects. Year 6 outplanting efforts were conducted along the south-facing shoreline at the east end of the Storke Flats pasture. This site demonstrates excessive attrition of shoreline trees due to the flooding affects of consecutive surcharge events and will greatly benefit from supplemental planting effort for future generations.

Preliminary Costs for future efforts related to the watering, maintenance and monitoring of Year 1 through Year 6 trees at Storke Flats and Bradbury Dam are attached to this SOW, and encompass the time period for Fiscal Year June 30, 2011 through July 1, 2012.

TASK 1. Project Development and Planning

NO new project planning services will take place within this Scope of Work for FY11/12.

TASK 2. Material Collection and Fabrication

NO new materials or fabrication services will be required within Scope of Work for FY11/12.

TASK 3. Oak Tree Installation

NO additional Oak Tree planting is scheduled to take place within the Scope of Work for FY11/12.

TASK 4. Understory Installation

NO understory planting activities will be conducted within the Scope of Work for FY11/12.

TASK 5. Field Maintenance and Monitoring (Six Planting Years)

Irrigation Maintenance, Year 6 Trees at Storke Flats

Field maintenance of Oak tree plantings occurs intensively in the first year after planting (Year 6 trees at Storke Flats). Watering activities are conducted by hand using a water truck, pumps and hoses to individually access each tree to deliver approximately 10 gallons of water per tree per application through the deep water tube and a saturation of the water basin constructed around each tree at planting. Since there is no piped water source available at or in the vicinity of the Storke Flats project site, water for irrigation at Storke Flats is collected directly from the lake, by pump to a holding tank, from which it is then pumped to the tank of the water trailer. Each tree is then individually accessed by trailer, pump and hoses for irrigation. Gallons of water drawn from the lake will be documented and submitted to COMB management for accounting purposes. Year 6 trees at Storke Flats will be watered weekly through the first dry season after planting (Summer-Fall 2011), or as needed according to specific weather conditions. All trees will be closely monitored for health and survival through the winter months of 2012 and watering will be re-initiated when dry weather persists which would challenge project survival or prosperity. The deep watering technique applied to these wild land projects requires a dedicated and attentive first year maintenance program to insure the tree's adaptation from nursery container to native conditions. Support watering will be applied to all trees through the dry season and until the return of substantial fall or winter rains. First year watering frequencies will be conducted at the discretion of Ms. Fournier, applying her knowledge of soils, saturation, weather patterns and plant requirements.

(Watering may occur at a frequency of five day intervals (July, August) and fluctuate to monthly (April or October) in reaction to weather conditions and exposures).

Irrigation maintenance, Year 5 Trees at Bradbury Dam

Watering activities should be reduced to approximately two applications per month through the dry months of the second summer season after planting (2011) for the Year 5 trees at Bradbury Dam. Irrigation equipment (trailer and hoses) will be moved from Storke Flats for use at Bradbury Dam during maintenance irrigation activities. Water is available for project access from a high pressure nozzle at the base of the dam. Gallons drawn for project use are recorded and submitted to COMB management for accounting purposes. Monitoring weather conditions and associated irrigation applications may continue through the Fall and into early Winter 2011, or until saturating rain events occur.

After winter rains have ceased (2012), and the ground begins to dry, watering applications may be initiated, if the survival or prosperity of Year 5 trees along Bradbury Dam is threatened by extreme weather conditions.

Monitoring and Maintenance Activities, All Project Areas, Year 1 – 6, FY 11/12

Weed removal, mowing, and clearing will be continued within all project areas on an on-going basis throughout the Project year to control invasive weeds, competitive growth, maintain access to all areas for inspection and monitoring, and fire control and protection. These activities may include mowing, hoeing, weed-eater machine clearing, and hand-pulling. Large scale maintenance is conducted seasonally and site weeding is conducted in an on-going basis to individual sites.

All tree project areas will be inspected and monitored up to twice a month throughout the year to identify maintenance or problematic issues that may threaten the program success. On-going photo documentation is maintained to document the program advances.

Program responsibilities include the timely removal of tree caging materials. As individual trees grow and become impaired by the constraints of the caging materials, cages will be pulled and removed from the premises.

Monitoring and documentation is maintained on an ongoing basis throughout this program to record the period of self-sufficiency and individual tree health status. Trees will be monitored for health and survival during the two years after withdrawing water applications to verify self-sufficiency towards attaining project completion.

All equipment, labor, water pumps, hoses and operating expenses are included in this Scope of Work. Water is provided by the Districts, at District expense.

Proposed Schedule for field watering 2011-2012:

July 1, 2011-December 31, 2011 Year 1 trees@ Storke Flats: Self-sufficient
Year 2 trees@ Storke Flats: Self-sufficient
Year 3 trees@ Bradbury Dam: Self-sufficient
Year 4 trees@ Bradbury Dam: Self-sufficient
Year 5 trees @Bradbury Dam: Irrigate: 2x per mo
Year 6 trees @Storke Flats: Irrigate Weekly

January 1, 2012-June 30, 2012 Year 1 trees: monitor for health and self-sufficiency
Year 2 trees: monitor for health and self-sufficiency
Year 3 trees: monitor for health and self-sufficiency
Year 4 trees@Bradbury Dam: Monitor
Year 5 trees@Bradbury Dam: Irrigate: if needed
Year 6 trees@Storke Flats: Irrigate: Spring-June

**Note: Spring irrigation estimated to begin in or around the first of May (normal year)

**Note: Cost of water is not included in the Scope of Work, and must be provided at or near the project area from high volume flow access.

TASK 6. Nursery Operations

NO nursery operations or staging or storing services are proposed within this Scope of Work for FY 2011/2012.

TASK 7. Meetings and Reporting

Melinda Fournier will continue to provide an outline summary each month, submitted with the billing invoice for the previous month's work. This summary provides a simple accounting of the efforts and tasks in-progress or completed, on a monthly basis.

An Annual Progress Report will be submitted to management in June (end of fiscal year) of each project year, or on timely notice from management as needed for reporting purposes. This report will detail the overall conditions and status of all phases of the project. This report will be simple and concise and serve as a communication tool from the field to management. Ms. Fournier will also keep a digital photo record of all phases of the Cachuma Oak Tree Restoration Program, from Year 1 through completion, saved on C.D. and available to management on request.

Field visits or office meetings with management or Bureau of Reclamation personnel necessary for proper implementation of project specifications, or for reporting purposes, will be conducted by Ms. Fournier as needed during the outplanting and maintenance activities detailed in this Scope.

PRELIMINARY
(Amended)

**BUDGET PROPOSAL FOR IRRIGATION AND MAINTENANCE EFFORTS
RELATED TO THE CACHUMA LAKE OAK TREE RESTORATION PROGRAM
Fiscal Year July 1, 2011 – June 30, 2012**

<u>TASK</u>	<u>COST BUDGET PER TASK</u>
TASK 1. PROJECT DEVELOPMENT AND PLANNING	0
TASK 2. MATERIAL COLLECTION AND FABRICATION	0
TASK 3. OAK TREE INSTALLATION	0
TASK 4. UNDERSTORY INSTALLATION	0
TASK 5. FIELD MAINTENANCE (Irrigation: Storke Flats and Bradbury Dam).....	55,623
(Weed Control and Site Maintenance).....	8,988
(Tree Maintenance and Monitoring).....	11,371
TASK 6. NURSERY OPERATIONS	0
TASK 7. MEETINGS AND REPORTING	3,500
<hr/>	
TOTAL BUDGET COSTS PER TASK.....	\$79,482.00
CONTINGENCY FOR UNEXPECTED DELAYS OR COSTS	-----
TOTAL BUDGET July 1, 2011 through June 30, 2012	<hr/>
Year 7 (<u>Not To Exceed</u>).....	\$79,482.00 =====

IRRIGATION SCHEDULE AT STORKE FLATS (Year 6)
AND BRADBURY DAM (Year 5)
FY 2011/2012

<u>Month</u>	<u>Storke Flats Year 6</u>				<u>Bradbury Dam Year 5</u>			
	<u>Applications</u>	<u>#Tanks</u>	<u>#Gallons</u>	<u>Time</u>	<u>Applications</u>	<u>#Tanks</u>	<u>#Gallons</u>	<u>Time</u>
<u>2011</u>								
July	4	20 T	14,000g	8 day	2	8 T	5,600g	2 day
August	5	25 T	17,500g	10 day	2	8 T	5,600g	2 day
Sept.	4	20 T	14,000g	8 day	1	4 T	2,800g	1 day
Oct.	3	15 T	10,500g	6 day	1	4 T	2,800g	1 day
Nov.	(2)				(1)			
(as needed)	**Remove November Irrigation for Budgeting Purposes							
Dec.	(1)							
(as needed)	**Remove December Irrigation for Budgeting Purposes							
<u>2012</u>								
January	No projected irrigation							
Feb.	No projected irrigation							
March	(1)	**Remove March Irrigation for Budgeting Purposes						
April	1	5 T	3,500g	2 day	1	4 T	2,800g	1 day
May	2	10 T	7,000g	4 day	1	4 T	2,800g	1 day
June	2	10 T	7,000g	4 day	1	4 T	2,800g	1 day

	<u>Storke Flats Year 6</u>	<u>Bradbury Dam Year 5</u>
PROJECT YEAR		
TOTAL	21 Apps. 105 Tanks 73500gal 42 day //	9 Apps. 36 Tanks 25,200g 9 day

IRRIGATION

TOTAL INPUT, FY 11/12 Irrigation Applications: 30 Irrigation weeks
 Total Tank Numbers (700 gal/tank): 141 tanks
 Total Water Apply: 98,700 gallons
 Total Irrigation Days: 51 days

**SUMMARY OF IRRIGATION CHARGES AT STORKE FLATS (Year 6)
AND BRADBURY DAM (Year 5)
FY2011/2012**

STORKE FLATS, Year 6 (Daily Rate)

Tools and Equipment

F-350 4WD and Gooseneck Water Trailer.....\$205.00/day
4 hp Water Pump (irrigation)
2-4 hp Water Pumps (draw from lake).....\$100.00/day
1-400gallon holding tank
3" pump hoses
300' delivery hoses

Labor and Management

1 – Level 2 Operator (\$55.00/hr).....\$440.00/day
1 - Level 3 Operator (\$27.00/hr).....\$216.00/day

Fuel, Insurance and Expenses.....\$142.00/day

Total Cost of Irrigation at Storke Flats\$1103.00/day

FY 2011/12 Irrigation @ Storke Flats: 42 days (nte) Total Cost....\$46,326.00

BRADBURY DAM, Year 5 (Daily Rate)

Tools and Equipment

F-350 4WD and Gooseneck Water Trailer.....\$205.00/day
4 hp Water Pump (irrigation)
3" High Pressure Cam Lock Fit Hydrant Hose
300' Delivery hoses

Labor and Management

1 – Level 2 Operator (\$55.00/hr).....\$440.00/day
1 - Level 3 Operator (\$27.00/hr).....\$216.00/day

Fuel, Insurance and Expenses.....\$172.00/day

Total Cost of Irrigation at Bradbury Dam.....\$1033.00/day

FY 2011/12 Irrigation @ Bradbury Dam: 9 days (nte) Total Cost....\$9,297.00

TOTAL COST OF IRRIGATION AT TWO LOCATIONS,

FY 2011-12 (Not-to-exceed)..... \$55,623.00

TASK 5. FIELD MAINTENANCE AND MONITORING, FY2011/2012

Cost Breakdown by Service Duty **FY11/12**

1) Irrigation Expense: Year 6 @ Storke Flats... \$46,326.00
Year 5 @ Bradbury Dam... \$9,297.00
Total Irrigation Expense (Amended).....\$55,623.00

2) Weed Control and Project Site Maintenance
**Spring mowing and maintenance for access, safety, fire prevention, and invasive weed removal within project zones and access roads. To be conducted between March and June, 2012.
Level 2 Operator: 12 days @ \$55.00/hr.....\$5280.00
Level 3 Operator: 12 days @ \$27.00/hr.....\$2592.00
Equipment and Tools.....\$ 600.00
Operating Expenses (fuel and materials).....\$ 516.00
Total Spring Weed and Fire Control Expense.....\$8,988.00

3) Tree Maintenance and Monitoring
**Conducted November through June, bi-monthly visits, all project sites. Pull cages as needed, hand-weed within cages, apply gopher and pest control, mulch, inspect and monitor for health, and apply maintenance or repairs as required
Level 1 Operator (technical): 13 hr/month @ \$85.00/hr....\$1126.00/mo
Level 3 Operator (labor): 16 hr/month @ \$27.00/hr.....\$432.00/mo
Fuel and Expenses:.....\$ 66.50/mo
Total Tree Maint. and Monitoring Expense (Nov-June).....\$11,371.00

TOTAL TASK 5 IRRIGATION, MAINTENANCE AND MONITORING EXPENSES, (Year 1 – Year 6), FY 11/12.....(nte) \$75,982.00

TASK 7. MEETINGS AND REPORTING

Level 1 Operator (Technical): Meetings, Data collection and Reporting
4 days @ \$85.00/hr.....\$2720.00
Level 3 Operator (Assistant): Data collection
2 days @ \$27.00/hr.....\$432.00
Office and Expenses.....\$348.00

TOTAL TASK 7, MEETING AND REPORTING EXPENSES, FY11/12....\$3500.00

TOTAL BUDGET BY TASK, FY 2011/2012, (NTE)..... \$79,482.00

Northwest Hydraulic Consultants Cachuma Project Fisheries Assistance

Exhibit “A”

Scope of Work Fiscal Year 2011-2012 July 1, 2011 through June 30, 2012

Task 1. Post-project Reporting and Technical Support

Provide periodic site visits, survey measurements, and flow measurements related to hydraulic performance of the project for fish passage on El Jaro Creek at Cross Creek Ranch. Provide summary report on post-construction monitoring and observations. Provide recommendations for erosion control and fish passage structure maintenance activities.

The total estimated cost for Task 1 is \$5,000.

TOTAL TASK ORDER COST: \$5,000



rauch communication consultants LLC
936 Old Orchard Rd – Campbell, CA 95008
PH 408-374-0977
FX 408-374-2197

EXHIBIT A

P R O P O S A L

DATE: July 1, 2011
TO: Kate Rees, Manager COMB
FROM: Robert Rauch
RE: Scope of Work for Fiscal Year 2011-2012

NO OF PAGES: 2

Proposed Public Outreach Program

Below is our proposed Statement of Work for Fiscal Year 2011-2012.

Task 1. Website Update Support. It is assumed that COMB staff will undertake simple updates such as uploading Board agendas and minutes. RCC will be available to assist with regular updates of the websites as requested and any additions or changes to the site. We propose enough scope to finalize the FMP site, which is awaiting final comment and some materials and photos.

Schedule and Cost

The cost for the proposed outreach program is provided on the following table. Each line item is separately identified.

We look forward to the opportunity of working with you and the Board on the public outreach program. We firmly believe the program will result in increased public knowledge and support for the COMB.

Sincerely,

Robert A. Rauch

Cost Estimate

1	COMB and FMP Website Update and Support.	\$4,000	
	Finalize FMP website. On call assistance and updates to both FMP and COMB websites.		
	SUBTOTALS	\$4,000	\$4,000
	TOTAL ESTIMATED COST	\$4,000	

Estimate Details.

Because an outreach program needs to respond to changing circumstances, changes to the plan may occur as well as changes to the cost of individual activities to meet public and COMB needs.

This is a not-to-exceed time and materials proposal to cover the Fiscal Year 2011-2012. COMB will only be charged for work actually done. It is possible that final costs will be less. No out-of-scope work will be undertaken without prior written approval from COMB. Out-of-scope work includes additional new tasks, or extra work (hours in excess of those estimated hours that are not due to inefficiencies on our part) on existing tasks, which is requested for reasons beyond RCC's control. Rauch Communication Consultants rate for the senior consultants is \$165 per hour, associate consultants \$115 per hour, graphic designers \$100 per hour, media and writing specialist \$85 per hour, and administrative assistance \$65 per hour. For meetings involving travel, the minimum charge is four hours. Major material costs, including: printing, mailing and advertising expense are billed directly to the client.

**STETSON ENGINEERS
Cachuma Project Fisheries Assistance**

**SCOPE OF WORK
Fiscal Year 2011-2012
July 1, 2011 through June 30, 2012**

The scope of work in conjunction with the Cachuma Project consists of the following tasks for Fiscal Year 2011 – 2012.

TASK 1: BO/FMP IMPLEMENTATION/ TECHNICAL SUPPORT \$21,500

a) Task 1.1 - BO Compliance Tasks and Technical Support (\$9,000)

This sub-task provides support for any technical refinements for miscellaneous studies involving compliance with the BO/FMP. This sub-task includes oversight on making sure current releases are meeting target flows and evaluation for possible passage releases, and possible revisions to passage supplementation protocols and releases to meet 1.5 cfs target flow protocols.

b) Task 1.2 - Bed and Banks Memo Technical Support (\$3,500)

This sub-task provides support for any technical refinements that may be required for the flood frequency, channel forming flows, and aerial photo evaluation for the bed and banks study.

c) Task 1.3 – Fisheries Monitoring Program Support (\$9,000)

This sub-task provides hydrologic data and analyses to support the fisheries monitoring and annual compilation reports.

TASK 3: SANTA YNEZ RIVER HYDROLOGY SUPPORT \$25,000

a) Task 3.1 – Hydrologic Support for the Fisheries Program

This sub-task provides hydrologic support for analyzing operations in the SYR basin and operations for the Fisheries Program.

b) Task 3.2 – Riverware Model Implementation and Technical Training

This sub-task includes RiverWare model implementation and technical training. This task could include using models for the purpose of Cachuma Project yield analysis. It would also include support by developing and providing GIS coverages and figures as needed. The work may also include application of the RiverWare model for passage flow releases and maintenance of flows at Alisal Bridge.

TOTAL TASK ORDER COST: \$46,500

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**Hanson Environmental, Inc.
Cachuma Project Fisheries Assistance**

**Scope of Work
Fiscal Year 2011-2012
July 1, 2011 through June 30, 2011**

The scope of work for Hanson Environmental, Inc. during Fiscal Year 2011-2012 July 1, 2011 through June 30, 2012 for professional services associated with the Cachuma Operation and Maintenance Board fishery management plan activities, performed under the direct supervision of Dr. Charles H. Hanson, are briefly outlined below.

Cachuma Project Biological Opinion and Fish Management Plan: \$18,000

Activities in support of the National Marine Fisheries Service (NMFS) Cachuma Project Biological Opinion and the Lower Santa Ynez River Fish Management Plan include:

Task 1 BO Compliance Tasks and Support - - activities include participation in the BO compliance documentation preparation; review of technical reports and study plans; participation in meetings and conference calls.
The estimated budget for Task 1 is **\$12,000**.

Task 2 Consultation on Fishery Monitoring Activities - activities include review and comment on monitoring plans and proposals; consultation regarding data analysis and protocols; review and comment on technical reports documenting results of the fishery and habitat monitoring; participation in the development, implementation, and documentation of specific fishery and habitat investigations conducted in compliance with the NMFS biological opinion.
The estimated budget for Task 4 is **\$6,000**.

TOTAL TASK ORDER COST: \$18,000

Based on the tasks and scope of work outlined above, the total estimated budget for Hanson Environmental professional services in support of the Santa Ynez River fishery management program and associated activities during fiscal year 2011-2012 (7/1/11-6/30/12) is **\$18,000**.

**IRRIGATION SCHEDULE AT STORKE FLATS (Year 6)
AND BRADBURY DAM (Year 5)
FY 2011/2012**

<u>Month</u>	<u>Storke Flats Year 6</u>				<u>Bradbury Dam Year 5</u>			
	<u>Applications</u>	<u>#Tanks</u>	<u>#Gallons</u>	<u>Time</u>	<u>Applications</u>	<u>#Tanks</u>	<u>#Gallons</u>	<u>Time</u>
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Nov.	(2)				(1)			
(as needed)	**Remove November Irrigation for Budgeting Purposes							
Dec.	(1)							
(as needed)	**Remove December Irrigation for Budgeting Purposes							
<u>2012</u>								
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Feb.	No projected irrigation							
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	<u>Storke Flats Year 6</u>	<u>Bradbury Dam Year 5</u>
<u>PROJECT YEAR</u>		
<u>TOTAL</u>	21 Apps. 105 Tanks 73500gal 42 day //	9 Apps. 36 Tanks 25,200g 9 day

IRRIGATION

**TOTAL INPUT, FY 11/12 Irrigation Applications: 30 Irrigation weeks
 Total Tank Numbers (700 gal/tank): 141 tanks
 Total Water Apply: 98,700 gallons
 Total Irrigation Days: 51 days**

Operations Report – May 2011

The average flow from Lake Cachuma into the Tecolote Tunnel for April was 93 acre-feet per day. Lake elevation was 752.95 feet at the beginning of the month and 752.94 feet at the end. 0 acre-feet of State Water Project water was wheeled through Cachuma Project facilities and delivered to South Coast Member Units during the month.

Ortega Reservoir repair work has been completed and put back into service. COMB staff assisted with interior valve installations and cleaning of the reservoir. Several agencies were involved in getting the reservoir back online which helped to expedite the work. COMB O&M staff is grateful to all the member agencies for their support and assistance in this effort. The latest toe drain reading for this report was 6.7 GPM taken on May 16, 2011 (approximately 5' of water in reservoir). The Bureau and MWD has requested that COMB continue to monitor drain flow, piezometer elevations and site conditions for comparative information. COMB has continued to monitor the toe drain readings at approximately every additional foot of water level fill. MWD has also coordinated and installed a drain at the valve pit adjacent to the reservoir.

Other activities conducted this month include:

- COMB continues to receive inquires concerning easement and SCC pipeline locations in close proximity to various properties.
- A new GFI breaker was installed “in line” on the high voltage line at North Portal structure.
- Staff received quotes to clean out Lauro Debris Basin which will be undertaken this summer (next FY)
- A three inch pump and a four inch pump have been purchased to replace malfunctioned and un-repairable pumps. The four inch pump should lessen the time to pump down the debris basin and lesson the load on the other pumps.
- The pozzi track is back in service after breaking down at the Ortega Reservoir. Staff diagnosed and repaired the problem.
- Staff continues to work on the Modified Upper Reach Project. A kick off meeting was held with AECOM and plans are underway (not to exceed \$65,000 in FY 2010/2011). Staff discussed several issues with the design consultant in the field which will be incorporated into the plans. A meeting was also held with GWD staff to discuss options concerning Goleta West and the Goleta Turnout.
- COMB held its quarterly CIP meeting beginning of April, next meeting to be held July.
- All comments were sent to AECOM to finalize the third reliability study. To be completed by the end of May.
- Staff received an official notice of Reclamation’s intent to terminate spill flows from Bradbury Dam on Friday, May 13, 2011 at 12:00 noon.
- On April 6th staff attended a utility coordination meeting with Caltrans concerning the Arroyo Parida Bridge project in Carpinteria. Staff strongly suggested that CVWD be included in future utility meetings for this project. The SCC is very close to the project

and will be impacted. Construction will be within the easement, therefore Caltrans will need to follow the COMB encroachment permit procedures.

- Staff continues to work on permits for the future Mission Creek Crossing project. The permit process is far along and very lengthy, therefore a decision was made to finish the process and put the project on the “shelve” until funding is secured.
- Staff met with a Bureau Natural Resources Specialist on April 21st, to inspect Lauro Dam vegetation mitigation work. After inspection the Bureau signed off on the work and will end the contract with LCG this October.
- Staff assisted with load tests performed on two backup generators. One at the Lauro yard and the other at the North Portal. Both generators are in good working order.
- Granite construction completed work on two SCC structures located on North Patterson in Goleta.
- The Barker Pass pump station was put back into service by MWD. COMB staff tested the new SCC valve and was on hand to assist if necessary.
- Staff met with a County of Santa Barbara grading inspector concerning the Brown property. The County wanted to discuss COMB’s position concerning site work within the easement.
- SCC tours were conducted for COMB Attorney, Mangers, and Board Members along the pipeline and for the Fisheries division.
- Staff attended a Hydro Plant inspection conducted by the Bureau concerning possible past site contaminations. The City of Santa Barbara requested the meeting.

Routine operation and maintenance activities conducted during the month included:

- Water samples taken at the North Portal Intake Tower
- Fish screens were pulled and cleaned
- Monitored conduit right-of-way and responded to Dig Alert reports
- Read piezometers and underdrains at Glen Anne, Lauro, Ortega and Carpinteria Dams
- Meter reads, monthly dam inspections, and venturi meters flushed monthly

**MONTECITO WATER DISTRICT
MEMORANDUM**

SECTION:

DATE: MAY 17, 2011

TO: BOARD OF DIRECTORS

FROM: MWD AND CVWD GENERAL MANAGERS

SUBJECT: ORTEGA RESERVOIR JOINT REPAIR PROJECT – COMPLETION OF
WORK AND STATUS REPORT

RECOMMENDATION:

For information and discussion.

DISCUSSION:

This final progress report provides the Board with an update on the current status of repairs and an approximate update on costs for the corrective repairs to the construction defects at the Ortega Reservoir.

All corrective actions identified prior to the start of the reservoir interior construction joint repair project and all construction defects discovered during the repair work have been completed by the Howard Ridley Company (HRC). All costs have also been submitted, reviewed and approved by the Districts' construction manager and MWD.

HRC finished all work on May 6 and was fully demobilized from the site on the same day construction was completed. MWD and COMB staff reinstalled the four (4) fully reconditioned 36-inch butterfly valves that were returned to MWD from DeZurik Valves in Minnesota during the last week of April. The re-installation of the valves began on May 4 and was completed on May 5. MWD staff and construction manager, Allen Larsen checked the operation of each valve which is operated from a hand wheel on the catwalk over the reservoir. Each valve could be opened and closed by one person using the hand wheel. Prior to the reconditioning work on the valves by DeZurik the valves could not be freely opened or closed.

Cleaning of the reservoir began on May 9 and was completed by midday May 11. COMB staff completed the reservoir cleaning with the assistance of MWD and CVWD staff. Disinfection of the reservoir concrete liner and walls was completed on May 12. The reservoir is scheduled to be slowly filled beginning no later than Friday, May 13. The reservoir is expected to go back into service no later than Tuesday, May 17.

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PAGE 3

following the collection and the negative results of the Bac-T samples. Reservoir base flow measurements of the dam toe drain and the piezometers were completed the first week of May. The base flow measurements are important and set the reference for flow measurements that will be taken following the restoration of the reservoir to normal service. The reservoir dam toe drain flow was recently measured at about 4.5 gallons per minute.

Other site restoration work includes the reassembly of the vertical aluminum panels at each end of the reservoir and the reinstallation of the swing access door for each of the reservoir bays along the north wall of the reservoir. This work was completed on Friday, May 13th. MWD staff also made a decision to install a new drain line from the seven-foot-deep valve vault at the southwest corner of the reservoir to maintain an open drain from the valve vault that fills with water. The valve vault houses two (2) 36-inch inlet valves which isolate the reservoir from the inflow water transmission main. The valves in the vault are showing signs of accelerated corrosion due to their immersion in water. The valves were not specified for immersion service. The 2-inch drain line installation was completed on Friday, May 13th.

Joint Repair Project:

The attached spreadsheet provides the Committee with an update on project construction quantities by repair line item for the defective concrete construction joints.

As discussed in previous memorandums on this subject, the repair of the retrofit water stop joint consists of:

1. Saw cutting the sides of the joint and removing all joint materials down to the water stop.
2. Sand blasting of the sides of the joint prior to the placement of the oakum.
3. Placement of the DeNeef injection tubing for the urethane grout treatment.
4. Placement of the joint structural "backing" material, including the water saturated sponge type material in the joint that will react with the oakum.
5. Placement of the urethane saturated oakum, the first joint treatment sealing level.
6. Pressure injection of urethane grout into the joint below the oakum, the second joint treatment sealing level.
7. Installation of topical Sikaflex, the third and final joint treatment sealant level.

Some of the retrofit water stop joints in the west bay of the reservoir near the south wall could not be accessed due to the 36-inch inlet and outlet HDPE pipelines. HRC provided the District with the option of either removing the HDPE pipelines at great expense or using a grout needle to pump urethane under the Sikaflex topical sealant. The less expensive option was selected and the pumping of urethane took two days to complete.

Other noteworthy observations were the large quantity of hairline cracks discovered in the new concrete panels constructed by Cushman Contracting. The larger panels were

most susceptible to the development of the cracks. Several of these panels were not treated by HRC as the discovery of these cracks was made following the thorough cleaning of the reservoir this week. You will note on the attached project cost summary that the quantity for sealing of the hairline cracks increased significantly from the initial inspection. The final quantity of hairline crack treatment by HRC ed was 574 feet.

MWD has prepared record drawings documenting all joint retrofit repairs, the placement of Sikaflex both inside and outside the reservoir, the hairline cracks repaired and not repaired and the locations of the 18-inch cored holes (since repaired). The record drawings will be important to document possible future construction defects that may occur in the form of expanded concrete liner cracking and or concrete reinforcing rebar issues.

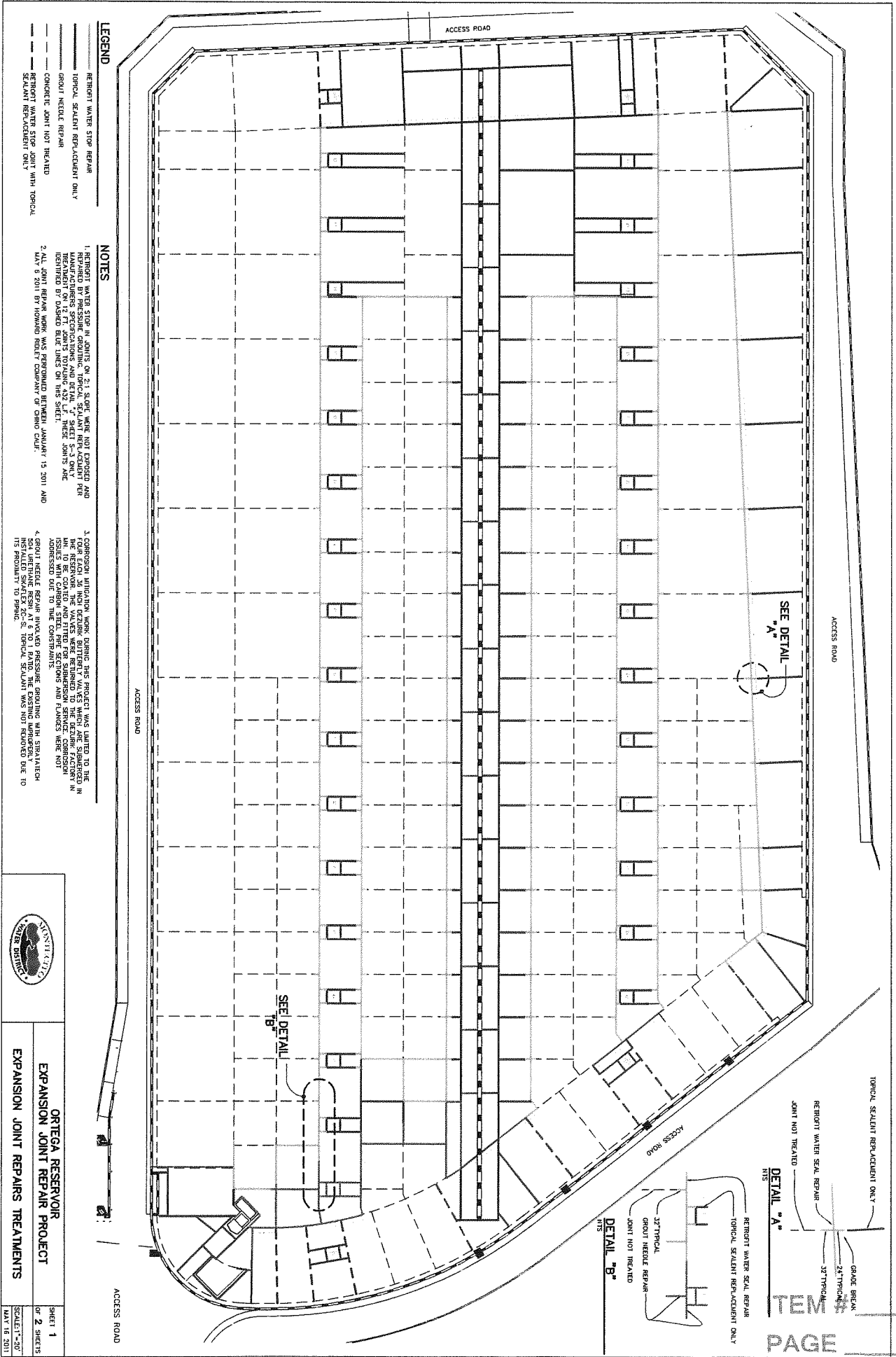
HRC did repair the exposed rebar on the east wall of the reservoir and it was found that the portion of rebar exposed was not connected into the other panel rebar - that was a surprise. It was also discovered in the same panel where an 18-inch coring was performed that there was not complete consolidation of the concrete in and around some of the new water stop material connecting two panels. MWD has not yet heard from the consultant that is doing forensic work on the concrete cored samples and the possible reasons leading to the concrete cracking but has been advised that this work has commenced. It is interesting to note that the majority of "existing" reservoir concrete panels constructed in the late 1950s are crack free.

Regarding overall project costs, the invoices received to date for all labor, materials and oversight show a project total of about \$446,000. It should be noted that there will be some additional costs/invoices submitted for the repair project. The approximate \$446,000 also includes some of the reservoir physical concrete investigative work that occurred on April 24 and 25 for the coring and repairs for the ten 18-inch diameter holes in the liner. Also note that the \$16,565 for the work delay caused by water entering the east bay through the HDPE inlet line will be reimbursed to the Districts as a claim to COMB's insurance carrier.

Staff and the contractor also spent considerable time reviewing the entire project and the amount of time spent by the contractor in completing all repairs. The information provided to the contractor at the time the bid was received by the District did not fully account for some of the complexities of the retrofit water stop joint. HRC indicated that if this project were to bid again, the cost for the retrofit bid item alone would be 30% higher due to the level of detail required to properly address the unique features of the joint. The contractor also went to great lengths to not short cut the repair process and diligently worked every linear foot of joint to provide the Districts with the best possible product. MWD staff and the construction manager are recommending an adjustment to HRC's contract in the amount of \$7,420 for the 3-4 week increase in time required to complete the work. It should also be noted that the costs for the installation of the new 4-inch drain line from the reservoir southwest corner valve vault are not included in the project cost summary. It is expected that all reservoir repair costs will have been invoiced by the end of the month.

As discussed with the Joint Ortega Committee and the Board, this repair is expected to require maintenance from time to time which will be a function of the Ortega Dam toe drain flows. This repair was considered by staff to be the best option available for the limited settlement received following litigation. This repair is not the proposed new concrete liner or in any way provides the level of construction joint integrity that was expected with the reservoir cover construction project. Future maintenance will be scheduled when the toe drain flow exceeds a certain threshold. The future maintenance process will require divers to access the reservoir in locating probable leaks with the actual joint repair scheduled for the following rainy season.

To document the entire repair project that commenced with staff investigative work in August 2010, you will find attached all previous Ortega Reservoir Project memorandums.



LEGEND

- TYPICAL SEALANT REPLACEMENT ONLY
- RETROFIT WATER STOP REPAIR
- GROUT REPAIR
- RETROFIT WATER SEAL REPAIR JOINT NOT TREATED
- SEALANT REPLACEMENT ONLY

NOTES

1. RETROFIT WATER STOP IN JOINTS ON 21 SLOPE WERE NOT EXPOSED AND REPAIRED BY PRESSURE GROUTING. TYPICAL SEALANT REPLACEMENT PER DETAIL A. 2. JOINTS TO BE REPAIRED BY PRESSURE GROUTING ARE IDENTIFIED BY DASHED BLUE LINES ON THIS SHEET.
2. ALL JOINT REPAIR WORK WAS PERFORMED BETWEEN JANUARY 15 2011 AND MAY 6 2011 BY HOWARD ROLEY COMPANY OF OHIO OULF.
3. CORROSION MITIGATION WORK DURING THIS PROJECT WAS LIMITED TO THE FOUR EACH 26 NON-DEZURK BUTTERFLY VALVES WHICH ARE SITUATED IN THE CENTER OF THE RESERVOIR. THESE VALVES WERE IDENTIFIED IN THE FIELD TO BE COATED AND FITTED FOR SUBMERSION SERVICE. CORROSION ISSUES WITH CARBON STEEL PIPE SECTIONS AND FLANGES WERE NOT ADDRESSED DUE TO TIME CONSTRAINTS.
4. GROUT REPAIR INVOLVED PRESSURE GROUTING WITH SHALVATECH INSTALLED SHALTEK 20-25 TYPICAL SEALANT WAS NOT REMOVED DUE TO ITS PROXIMITY TO PILING.



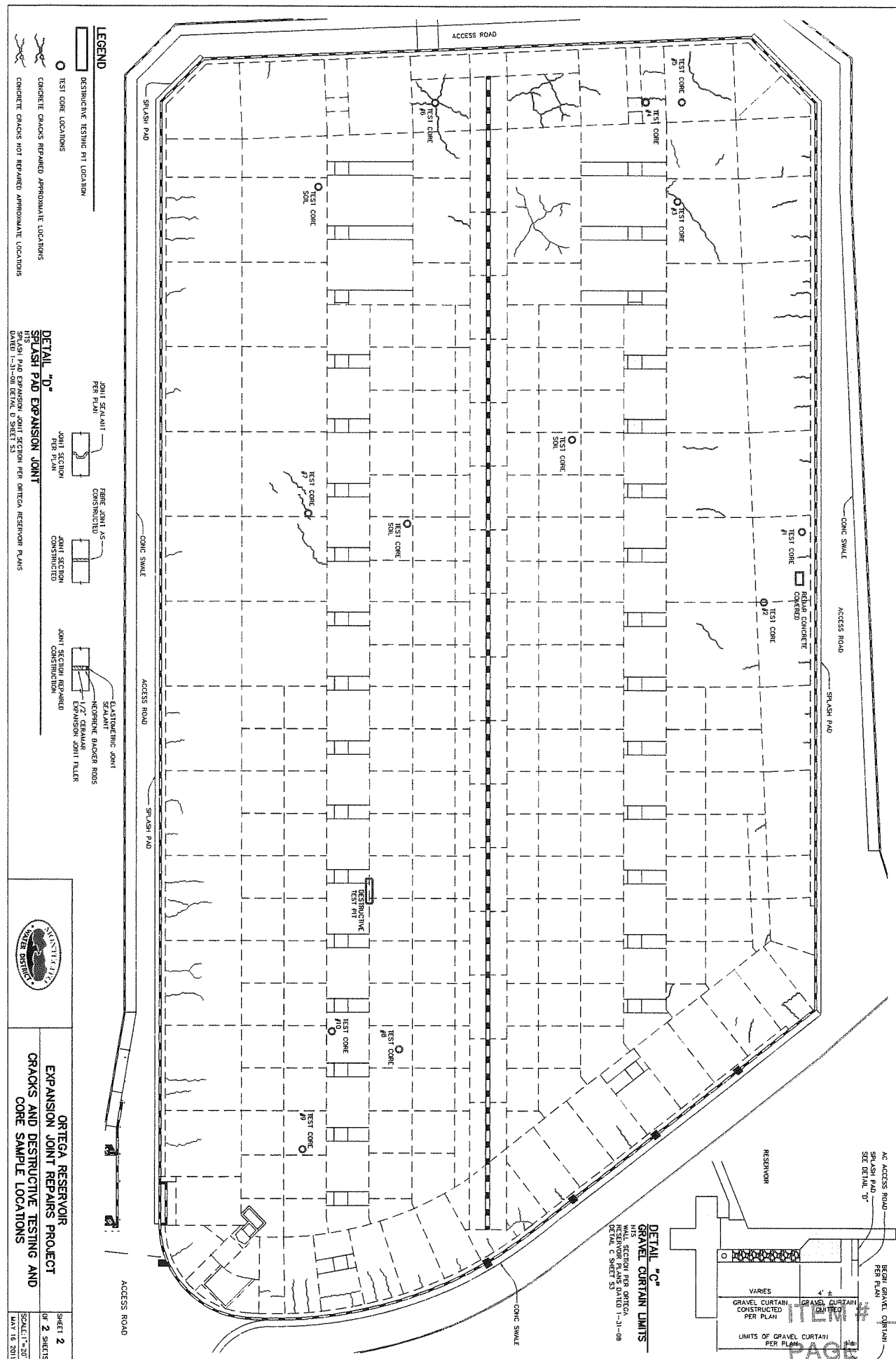
**ORTEGA RESERVOIR
EXPANSION JOINT REPAIR PROJECT**

EXPANSION JOINT REPAIRS TREATMENTS

SHEET 1
OF 2 SHEETS
SCALE: 1"=20'
MAY 16 2011

TEMP PAGE

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7



LEGEND

- RESTRICTIVE TESTING PIT LOCATION
- CONCRETE CRACKS REPAIRED APPROXIMATE LOCATIONS
- CONCRETE CRACKS NOT REPAIRED APPROXIMATE LOCATIONS

DETAIL "D"
SPASH PAD EXPANSION JOINT

- JOINT SEALANT PER PLAN
- FIBRE JOINT AS CONSTRUCTED
- JOINT SECTION CONSTRUCTED
- JOINT SECTION REPAIRED
- ELASTOMERIC JOINT SECTION
- SEALANT SECTION
- NEOPRENE BACKER RODS SECTION
- EXPANSION JOINT FILLER SECTION

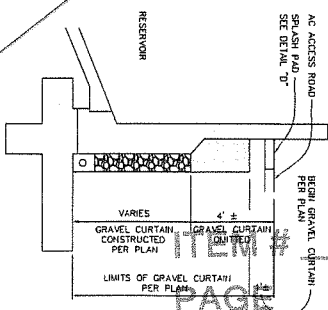


**ORTEGA RESERVOIR
 EXPANSION JOINT REPAIRS PROJECT
 CRACKS AND RESTRICTIVE TESTING
 CORE SAMPLE LOCATIONS**

SHEET 2
 OF 2 SHEETS
 SCALE: 1"=20'
 MAY 16, 2011

DETAIL "C"
GRAVEL CURTAIN UNITS

THIS SECTION FOR ORTEGA RESERVOIR PLANS DATED 11-31-08
 DETAIL C SHEET S3



80
 80

**CACHUMA OPERATION AND MAINTENANCE BOARD
METERED USE REPORT FOR APRIL 2011**

LATERAL/ STATION	NAME	ACRE FEET METERED	LATERAL/ STATION	NAME	ACRE FEET METERED
CARPINTERIA WATER DISTRICT			GOLETA WATER DISTRICT		
Boundary Meter		296.22	18+62	G. WEST #1	0.00
Less 2% system losses		(5.92)	18+62	G. WEST #2	10.61
			78+00	Corona Del Mar FILTER Plant	1,061.94
			122+20	STOW RANCH	0.00
				CAMINO REAL (Bishop)	0.00
				SWP CREDIT	0.00
				Morehart Land (SWP)	0.00
				Raytheon (SWP)	0.00
				La Cumbre (SWP)	0.00
			TOTAL		1,072.56
			MONTECITO WATER DISTRICT		
			260+79	BARKER PASS	25.89
			386+65	MWD YARD	92.10
			487+07	VALLEY CLUB	0.66
			499+65	E. VALLEY-ROMERO PUMP	49.60
			599+27	TORO CANYON	2.48
			510+95	ORTEGA CONTROL	0.00
			510+95	MWD PUMP (SWD)	0.00
			526+43	ASEGRA RD	0.11
			555+80	CO. YARD	0.00
			583+00	LAMBERT RD	0.01
				SWP CREDIT	0.00
				SWP CREDIT - CVWD	0.00
			TOTAL		170.84
			CITY OF SANTA BARBARA		
			CATER	INFLOW	1,760.63
			"	SO. FLOW	(214.90)
			Gibraltar	PENSTOCK	(181.06)
			Sheffield	SHEF.LIFT	93.94
				STANWOOD MTR TO SCC-credit	0.00
				SWP CREDIT	0.00
				La Cumbre Mutual (SWP) transfer	0.00
			TOTAL		1,458.61
			S. Y. RIVER WTR CON DIST., ID#1		
			COUNTY PARK, ETC		
			TOTAL		4.21
			BREAKDOWN OF DELIVERIES BY TYPE:		
			STATE WTR DELIVERED TO LAKE		0.00
			STATE WATER TO SOUTH COAST		0.00
			BISHOP RANCH DIVERSION		0.00
			METERED DIVERSION		2,996.51
			STATE WTR CRD 0.00		
			TOTAL		290.29
Note: COMB meter reads were taken on 4/29/2011					

10-11 ENTITLEMENT

CACHUMA OPERATION AND MAINTENANCE BOARD

WATER PRODUCTION AND WATER USE REPORT

FOR THE MONTH OF APRIL 2011 AND THE WATER YEAR TO DATE

(All in rounded Acre Feet)

						MONTH TOTAL	YTD TOTAL
WATER PRODUCTION:							
Cachuma Lake (Tec. Diversion)						2,802	12,941
Tecolote Tunnel Infiltration						180	1,045
Glen Anne Reservoir						0	0
Cachuma Lake (County Park)						4	33
State Water Diversion Credit						0	595
Gibraltar Diversion Credit						0	0
Bishop Ranch Diversion						0	100
Meter Reads						2,997	13,032
So. Coast Storage gain/(loss)						(20)	(109)
Total Production						2,986	14,020
Total Deliveries						2,977	13,617
Unaccounted-for						10	402
% Unaccounted-for						0.32%	2.87%
WATER USE:							
	GWD	SB CITY	MWD	CVWD	SYRWCD I.D. #1	TOTAL	
M&I	952	1,459	152	160	4	2,727	
Agricultural	120		19	130		269	
TOTAL FOR MONTH	1,073	1,459	171	290	4	2,997	
Same Mo/prev. yr	898	618	219	199	3	1,937	
M&I Yr to date	4,648	5,561	668	695	34	11,606	
Ag. Yr to date	705	0	80	469	0	1,254	
TOTAL YTD	5,354	5,561	748	1,164	34	12,861	
USAGE % YTD	43.4%	39.6%	21.4%	28.9%	1.4%	35.3%	
Previous Year/YTD	5,777	4,607	1,436	964	21	12,805	
Evaporation	0	11	2	1	0	14	
Evaporation, YTD	11	91	14	14	1	131	
Entitlement	9,322	8,277	2,651	2,813	2,651	25,714	
Carryover	1,566	6,754	1,122	1,231	112	10,785	
Carryover Balances Spilled YTD	0	(2,547)	(529)	(339)	(82)	(3,497)	
Surplus^^	1,310	1,695	209	310	313	3,837	
State Water Exchange^	152	100	100	67	(419)	0	
Transfers*/Adjustment***	0	0	0	0	0	0	
Passthrough H2O**	0	0	0	0	0	0	
TOTAL AVAILABLE	12,350	14,279	3,553	4,082	2,575	36,838	
REMAINING BALANCE	6,985	8,627	2,791	2,904	2,540	23,847	

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

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

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

^ Per SWP Exchange Agrmt GWD received 106 AF; MWD received 70;

City of SB received 70 AF; and CVWD received 47 AF from ID#1 in APRIL 2011.

^^ Spill declared 3/20/2011 - Surplus water available during month of April 2011

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

MONTH: **April 2011**

GLEN ANNIE RESERVOIR

Capacity at 385' elevation:	518 Acre Feet
Capacity at sill of intake at 334' elevation:	21 Acre Feet
Stage of Reservoir Elevation	347.00 Feet
Water in Storage	87.86 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	546.10 Feet
Water in Storage	531.52 Acre Feet

ORTEGA RESERVOIR

Capacity at 460' elevation:	65 Acre Feet
Capacity at outlet at elevation 440':	0 Acre Feet
Stage of Reservoir Elevation	440.00 Feet
Water in Storage	0.00 Acre Feet

OUT OF SERVICE

CARPINTERIA RESERVOIR

Capacity at 384' elevation:	45 Acre Feet
Capacity at outlet elevation 362':	0 Acre Feet
Stage of Reservoir Elevation	376.20 Feet
Water in Storage	26.20 Acre Feet

TOTAL STORAGE IN RESERVOIRS

Change in Storage	-19.62 Acre Feet
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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	752.94 Feet
Water in Storage	195,396 AF
Area	3,058
Evaporation	1,229.7 AF
Inflow	22,984 AF
Downstream Release WR8918	0 AF
Fish Release	816.9 AF
Spill/Seismic Release	18,322 AF
State Project Water	0 AF
Change in Storage	91 AF
Tecolote Diversion	2,802.3 AF

Rainfall: Month: 35.70 Season: 30.33 Percent of Normal: 149%

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

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

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

Contract Entity: Goleta Water District
 Last updated by C.O.M.B. 4/30/11

Month	Approved Schedule		Carryover Previous Year	TOTAL WATER USED			WATER USED CHARGED TO CARRYOVER BALANCES			WATER USED CHARGED TO CURRENT ENTITLEMENT			
	Current Year	9322		1566	M & I	Agr	Total	Evap	Div	Total	M & I	Agr	Total
Oct				698	191	889	9	889	898	705	193	0	0
Nov				632	115	747	2	666	668	565	103	69	13
Dec				564	83	647	0	0	0	0	0	564	83
Jan				614	37	651	0	0	0	0	0	614	37
Feb				576	104	680	0	0	0	0	0	576	104
Mar				612	55	667	0	0	0	0	0	612	55
Apr				952	120	1,073	0	0	0	0	0	952	120
May													
Jun													
Jul													
Aug													
Sep													
Total		9322	1566	4,648	706	5,354							

Month	STORAGE WATER		CONVERSIONS		CURRENT SCHEDULE		SCHEDULES AND REVISIONS		Total
	M & I	Agr	M & I	Agr	M & I	AG	M & I	AG	
Oct	0	0	0	0	0	0	0	0	0
Nov	492	-492	0	0	0	0	0	0	0
Dec	0	0	0	0	0	0	0	0	0
Jan	0	0	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	256	256	256
May	0	0	0	0	0	0	1,179	1,179	1,179
Jun	0	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	1,566	778	788	6,862	9,322

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

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TOTAL 6,985

SUMMARY OF WATER USED
CACHUMIA PROJECT - CONTRACT #I75R-1802

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

Contract Entity: Montecito Water District
 Last updated by C.O.M.B. 4/30/11

Month	TOTAL WATER USED		WATER USED CHARGED TO CARRYOVER BALANCES			WATER USED CHARGED TO CURRENT ENTITLEMENT		
	M & I	Agr	Evap	Div	Total	M & I	Agr	Total
Oct	179	25	6	204	210	185	26	0
Nov	150	24	3	174	177	153	24	0
Dec	87	6	2	93	95	88	6	0
Jan	0	0	1	0	1	0	0	0
Feb	0	0	2	0	2	0	2	0
Mar	100	6	3	106	109	102	6	0
Apr	152	19	0	0	0	0	152	19
May								
Jun								
Jul								
Aug								
Sep								
Total	668	80			748			

Month	STORAGE WATER		CONVERSIONS		CURRENT SCHEDULE		SCHEDULE AND REVISIONS	
	M & I	Agr	M & I	Agr	M & I	Agr	M & I	Agr
Oct	-16	16	0	0	1,122	1,112	2,386	2,651
Nov	-24	24	0	0	0	0	18	18
Dec	-6	6	0	0	0	0	0	0
Jan	-1	1	0	0	0	0	0	0
Feb	-2	2	0	0	0	0	0	0
Mar	-6	6	0	0	(529)	(529)	50	50
Apr	0	0	0	0	0	0	241	241
May								
Jun								
Jul								
Aug								
Sep								
Total								

Month	REMAINING BALANCES		Agr	Total
	M & I	Agr		
Oct	912	911	0	2669
Nov	735	734	0	2669
Dec	640	640	0	2669
Jan	639	639	0	2669
Feb	637	637	0	2669
Mar	0	0	0	2719
Apr	0	0	0	2789
May				
Jun				
Jul				
Aug				
Sep				
Total				

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TOTAL 2,789

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

Contract Entity: City of Santa Barbara
 Last updated by C.O.M.B. 4/30/11
 Contract Year: 10/1/10 to: 9/30/11

Month	TOTAL WATER USED		WATER USE CHARGED TO CARRYOVER BALANCES				WATER USE CHARGED TO CURRENT ENTITLEMENT	
	M & I	Agr	Evap	Div	Total	M & I	Agr	Total
Oct	691	0	38	691	729	729	0	0
Nov	814	0	21	814	835	835	0	0
Dec	850	0	11	850	861	861	0	0
Jan	573	0	10	573	583	583	0	0
Feb	509	0	11	509	520	520	0	0
Mar	665	0	13	665	678	678	0	0
Apr	1,459	0	0	0	0	1,459	0	1,459
May								
Jun								
Jul								
Aug								
Sep								
Total	5,561	0			5,561			

Month	STORAGE WATER		CONVERSIONS CURRENT SCHEDULE		SCHEDULE AND REVISIONS	
	M & I	Agr	M & I	Agr	M & I	Agr
Oct	0	0	0	0	8,277	18
Nov	0	0	0	0	0	0
Dec	0	0	0	0	0	0
Jan	0	0	0	0	0	0
Feb	0	0	0	0	0	0
Mar	0	0	0	0	248	0
Apr	0	0	0	0	1,529	0
May	0	0	0	0	0	0
Jun	0	0	0	0	0	0
Jul	0	0	0	0	0	0
Aug	0	0	0	0	0	0
Sep	0	0	0	0	0	0
Total	0	0	0	0	8,277	18

Month	REMAINING BALANCES	
	M & I	Agr
Oct	6025	0
Nov	5190	0
Dec	4328	0
Jan	3746	0
Feb	3226	0
Mar	0	0
Apr	0	0
May	0	0
Jun	0	0
Jul	0	0
Aug	0	0
Sep	0	0
Total	8295	0

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TOTAL 8,613

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

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

Contract Entity: Santa Ynez River Water Conservation District, ID#1
 Last updated by C.O.M.B. 4/30/11

Month	TOTAL WATER USED			WATER USE CHARGED TO CARRYOVER BALANCES				WATER USE CHARGED TO CURRENT ENTITLEMENT				
	M & I	Agr	Total	Evap	Div	Total	M & I	Agr	Total	M & I	Agr	Total
Oct	7		7	1	7	7	7	0	0	0	0	0
Nov	6		6	0	6	6	6	0	0	0	0	0
Dec	4		4	0	4	4	4	0	0	0	0	0
Jan	5		5	0	5	5	5	0	0	0	0	0
Feb	4		4	0	4	4	4	0	0	0	0	0
Mar	4		4	0	4	4	4	0	0	0	0	0
Apr	4		4	0	4	4	4	0	0	0	0	0
May	4		4	0	0	0	0	0	4	4	0	4
Jun												
Jul												
Aug												
Sep												
Total	33	0	33									

CONVERSIONS

Month	STORAGE WATER		CURRENT SCHEDULE		SCHEDULE AND REVISIONS			
	M & I	Agr	M & I	Agr	Total	M & I	Agr	Total
Oct	0	0	0	0	112	34	78	2,651
Nov	0	0	0	0				(75)
Dec	0	0	0	0				0
Jan	0	0	0	0				0
Feb	0	0	0	0				0
Mar	0	0	0	0	(82)	(4)	(78)	(11)
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	0	0	0	0	112	34	78	2,651

Month	COUNTY PARKS			REMAINING BALANCES			
	A.F. Used	Total	M & I	Agr	M & I	Agr	Total
Oct	6.56	105	27	78	832	1744	2576
Nov	5.88	99	21	78	832	1744	2576
Dec	4.47	94	17	78	832	1744	2576
Jan	4.74	89	12	78	832	1744	2576
Feb	3.66	85	8	78	832	1744	2576
Mar	3.83	0	0	0	827	1738	2565
Apr	4.21	0	0	0	823	1738	2561
May							
Jun							
Jul							
Aug							
Sep							

*NOTE: March April
 Ex cwwd-8/gwd-19/city-12/mwd-12/spil-82/surplus+20
 Ex cwwd-47/gwd-106/city-70/mwd-70/surplus+293

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TOTAL 2,561

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

MONTH	DELVRD TO LAKE	Delvd CWWD		Delvd Transf to SC to MW	Delvd MWD		Delvd Evap/Spill	Delvd S.B.		Delvd GWD		LCMWC		RSYS		MLC		
		to Lake	Stored		to SC	to Lake		Stored	to SC	to Lake	Stored	Evap/Spill	to SC	to Lake	Stored	to SC	to Lake	Stored
2010																		
Bal. Fwvd		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July	354	0	0	0	76	0	0	0	0	0	0	0	0	0	0	0	0	0
August	486	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0
September	298	0	0	0	128	0	0	0	0	0	0	0	0	0	0	0	0	0
October	133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1788	0	0	0	500	0	0	0	500	0	0	0	0	0	0	0	0	0

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

MONTH	DELVRD TO LAKE	Delvd CWWD		Delvd Transf to SC to MW	Delvd MWD		Delvd Evap/Spill	Delvd S.B.		Delvd GWD		LCMWC		RSYS		MLC		
		to Lake	Stored		to SC	to Lake		Stored	to SC	to Lake	Stored	Evap/Spill	to SC	to Lake	Stored	to SC	to Lake	Stored
2011																		
Bal. Fwvd		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January	509	0	0	0	382	277	0	105	0	0	0	0	0	0	0	0	0	0
February	227	0	0	0	118	5	0	113	0	0	0	0	0	0	0	0	0	0
March		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	736	0	0	0	500	282	0	218	0	0	0	0	0	0	0	0	0	0

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

MAY 2011

LAKE CACHUMA DAILY OPERATIONS

RUN DATE: May 18, 2011

DAY	ELEV	STORAGE		COMPUTED* INFLOW AF.	CCWA INFLOW AF.	PRECIP ON RES. SURF. AF.	RELEASE - AF.				EVAP AF.	PRECIP INCH	PRECIP INCHES	
		ACRE-FEET IN LAKE	CHANGE				TUNNEL	HILTON CREEK	OUTLET	SPILLWAY				
1	752.94	195,396												
1	752.95	195,427	+31	291.1	0.0	.0	117.9	27.3	53.0	.0	61.9	.300	.00	
2	752.96	195,457	+30	311.7	0.0	.0	124.3	27.4	67.0	.0	63.0	.305	.00	
3	752.96	195,457	+0	291.0	0.0	.0	125.0	27.4	74.0	.0	64.6	.313	.00	
4	752.98	195,517	+60	330.2	0.0	.0	127.1	27.4	63.0	.0	52.7	.255	.00	
5	753.00	195,578	+61	331.0	0.0	.0	127.4	27.4	59.0	.0	56.2	.272	.00	
6	752.99	195,548	-30	263.3	0.0	.0	125.0	27.4	75.0	.0	65.9	.319	.00	
7	752.98	195,517	-31	257.9	0.0	.0	125.3	27.3	83.0	.0	53.3	.258	.00	
8	752.96	195,457	-60	218.2	0.0	.0	121.0	27.6	85.0	.0	44.6	.216	.00	
9	752.94	195,396	-61	204.7	0.0	.0	121.3	27.4	64.0	.0	53.0	.257	.00	
10	752.93	195,366	-30	210.0	0.0	.0	116.7	27.3	45.0	.0	51.0	.247	.00	
11	752.93	195,366	+0	227.5	0.0	.0	123.7	27.4	25.0	.0	51.4	.249	.00	
12	752.94	195,396	+30	241.4	0.0	.0	124.3	27.4	10.0	.0	49.7	.241	.00	
13	752.94	195,396	+0	201.9	0.0	.0	120.0	28.4	.0	.0	53.5	.259	.00	
14	752.95	195,427	+31	221.9	0.0	.0	122.2	20.8	.0	.0	47.9	.232	.00	
15	752.95	195,427	+0	240.4	0.0	20.4	115.4	18.2	102.0	.0	25.2	.122	.08	
16	752.93	195,366	-61	171.5	0.0	5.1	83.7	20.8	103.0	.0	30.1	.146	.02	
17	752.94	195,396	+30	215.5	0.0	25.5	101.3	20.5	63.0	.0	26.2	.127	.10	
18	752.97	195,487	+91	207.6	0.0	53.5	73.7	20.4	51.0	.0	25.0	.121	.21	
TOTAL (AF)			+91	4,436.8	0.0	104.5	2,095.3	457.8	1,022.0	.0	875.2	4.239	.41	
(AVG)		195,443												

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.

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CACHUMA RESERVOIR

DISPOSITION OF 2008 SURCHARGE WATER

(UNOFFICIAL)

DATE	DESCRIPTION	FISH RELEASE FROM SURCHARGE (acre feet)	SURCHARGE BALANCE (acre feet)	FISH RELEASE FROM PROJECT YIELD (acre feet)
5/13/2011	End of Spill May (projected)	394	8,942 8,548	
TOTAL		394	8,548	

kr\comb\cachuma 2011 surcharge account 052311

DRAFT Minutes of the
Operating Committee
of
Cachuma Operation & Maintenance Board
3301 Laurel Canyon Road, Santa Barbara, CA

Wednesday, May 4, 2011

1. Call to Order

Rebecca Bjork called the meeting to order at 8:36 a.m.

Managers Present

Rebecca Bjork
John McInnes
Alex Keuper
Tom Mosby
Chris Dahlstrom
Kate Rees

Others Present

Tony Trembley
Janet Gingras
Tim Robinson
Ruth Snodgrass

2. Public Comment

There were no comments from the public.

3. Approval of Minutes March 2, 2011

Tom Mosby moved to approve the minutes as presented, seconded by John McInnes, passed 5/0/0.

4. General Manager's Report

a. Revised Draft FY 2011-12 Budget and Proposed Cash Flow

Kate Rees highlighted and discussed with the managers the Draft FY 2011-12 Budget.

b. Draft FY 2011-12 Goals and Objectives

The Draft Goals and Objectives were included for information.

c. Operations Supervisor Recruitment – Certification Requirements

Kate Rees reported that the recruitment for an Operations Supervisor has been re-posted due to only receiving a few applicants during the first recruitment. The recruitment ends June 3rd and the hiring process would take place after the new General Manager has started.

d. COMB Water Reports – Surplus Water Accounting

The managers determined that the yield should be increased for this year since all received a bonus. Chris Dahlstrom will write a letter stating that the exchange water is being exchanged the amount of spill water will be added in to the account.

5. Fisheries

a. Draft Trust Fund/Renewal Fund 2012 Annual Plan and 5-Year Plan (MCA 27)

Kate Rees requested comments on the annual and 5 year plan. Rebecca Bjork stated that she would like a framework for the five years with a better developed plan for the first 2 years. The managers should get back with Kate with any comments on the Plan.

6. CIP Special Projects

a. Modified Upper Reach Reliability Project and Revised Schedule

b. Bid Options for Modified Upper Reach Reliability Project

Kate Rees was requesting feedback on the options for bidding the project. It would be preferred to use one contractor and structure the bid with alternate cost for each potential option for the pipeline replacement.

7. Operations

a. Proposed Analysis of Pre-Stressed Concrete Cylinder Pipe (PCCP) Discovered in the SCC

A report was included in the packet.

8. Agenda Items for Next Regular Meeting

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

9. Date of Next Regular Meeting: June 1, 2011 at 8:30 a.m.

10. Adjournment

The meeting was adjourned at 10:35 a.m.

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

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

VESSEL INSPECTIONS/Launch Data:

Santa Barbara County Parks -- Cachuma Lake Boat Launch Data -- APRIL 2011		
Inspection Data		
Total Vessels entering Park	1073	
Total Vessels launched	1062	
Total Vessels Quarantined	11	1%
Returning with Boat Launch Tag	856	81%
Arriving new: Inspected, washed	206	19%
4-stroke engines	461	43%
2-strokes, w/CARB star ratings	199	19%
2-strokes, NO emissions ratings	393	37%

Quarantine Data		
Total Vessels Quarantined	11	
Quarantined 7 days	6	
Quarantined 14 days	5	
Quarantine Reasons -- May be several for 1 boat		
Water in bilge	4	
Debris on hull	0	
Plug installed	0	
Infected areas	4	
Ballast tanks	0	
Boat longer than 24 feet	1	
Out-of-state	0	
Boater non-cooperative	1	
Unspecified	1	
Demographic Data		
Quarantined from infected areas	4	
Quarantined from SB County	4	

Boat Launch Tags: Boats with Cachuma Lake Boat Launch Tags attached to boat and trailer. These boats have not been removed from trailer since last visit to lake and are not subject to inspection or decontamination.
No mussel species have been located on any vessel entering Cachuma Lake as of February 28, 2011.

CACHUMA LAKE QUAGGA SURVEY:

Summary: No Dreissenid mussels were detected
 Inspection site: Cachuma Lake Marina, Santa Barbara County, California
 Inspection Date and Time : 2011.04.14; 0930 - 1300 PDT
 Method: 14 PVC/Cement/Plastic Mesh Sampling Stations; 394 linear feet of line
 Surveyors: Carrie Culver, Jason Tay (Sea Grant), Liz Gaspar, Chuck Scott (SB County Parks)
 Lake Elevation: 752.93 from maximum of 753 feet
 Prepared by Liz Gaspar, based on inspections and data collected by Cachuma Lake Staff and Park Hosts, and Sea Grant staff and interns

Cachuma Lake Marina Monthly Quagga Survey: Sampling Station Details

Inspection Date: 2011.04.14
 Inspection Time: 0930 - 1300
 Lake Elevation from max 753 feet 752.93
 Surveyors: Liz Gaspar & Melissa Kelly, SB County Parks

Station #	Location/Description	Stn Type	Lake Depth Meters	Anchor/Lake Depth Meters	Tuffly/Plate set Depth Meters	Secchi Depth & Temp Deg F @ 3 Meters	NOTES: Tuffies Collected	Mussels?	Stn #
Station 1	Boathouse, left middle ramp	Horizontal: 4 m line, 1 tuffly, 1 plate set	8'	.5 m	.5 m		Line, knots, Tuffies, plate sets checked. Samples: 0 Organisms: LINE: caddisfly casing PLATES: midge, opaque gelatinous egg cases (OEC)	No	Stn 1
Station 2	Logboom platform at entrance, south east corner.	Vertical: Anchor, Tuffly, plates	30'	12 m	6 m		Line, knots, Tuffies, plate sets, block checked. Samples: 0 Downloaded temp/light data from 3 loggers at 10', 20', 30' Organisms: LINE: Algae, midge PLATES: Missing. Replaced with new plates BLOCK: sponge, bryozoan	No	Stn 2
Station 3	Logboom platform at entrance, north west corner	Vertical: Anchor, Tuffly, plate set	125'	12 m	6 m		Line, knots, Tuffies, plate sets, block checked. Samples: 0 Organisms: LINE: Algae, OEC PLATES: midge, algae, OEC BLOCK: 0	No	Stn 3
Station 4	Logboom platform at entrance, under platform.	Horizontal: 4 m line, 1 tuffly, 1 plate set	125'	.5 m	.5 m		Line, knots, Tuffies, plate sets checked. Samples: 0 Organisms: LINE: Algae, OEC PLATES: Physella snail, clear gelatinous egg cases (CEC), midge, algae	No	Stn 4
Station 5	N logboom, 13th log from S end, attached to chain at middle	Vertical: Anchor, 1 Tuffly, 1 plate set	125'	12 m	6 m		Line, knots, Tuffies, plate sets, block checked. Samples: 0 Organisms: LINE: OEC PLATES: Midge, algae, OEC BLOCK: 0	No	Stn 5
Station 6	N logboom, 14th log from S end, attached to chain on NE side, west end.	Vertical: Anchor, 1 Tuffly, 1 plate set	127'	12 m	6 m		Line, knots, Tuffies, plate sets, block checked. Samples: 0 Organisms: LINE: Algae, midge, OEC PLATES: Algae BLOCK: 0	No	Stn 6

Station #	Location/Description	Stn Type	Lake Depth Meters	Anchor/Line Depth Meters	Tuffly/Plate set Depth Meters	Secchi Depth & Temp Deg F @ 3 Meters	Mussels?	Stn #
Station 7	Far N dock at E end; S side; 14th slip from shore	Vertical: Anchor, 1 Tuffly, 1 plate set	47'	12 m	6 m		No	Stn 7
Station 8	Far N dock at middle @ slip 10/12	Horizontal: 4 m line, 1 tuffly, 1 plate set	43'	.5 m	.5 m		No	Stn 8
Station 9	Middle dock at E end	Vertical: Anchor, 1 Tuffly, 1 plate set		12 m	6 m		No	Stn 9
Station 10	Middle dock at W end; slip 11 & 40	Horizontal: 4 m line, 1 tuffly, 1 plate set	43'	.5 m	.5 m		No	Stn 10
Station 11	Fuel Dock @ far E end	Vertical: Anchor, 1 Tuffly, 1 plate set	45'	12 m	6 m		No	Stn 11
Station 12	Fuel Dock W end strung diagonally under gas pump platform	Horizontal: 4 m line, 3 tuffly, 3 plate set	34'	.5 m	.5 m		No	Stn 12
Station 13	North Launch Dock E end	Horizontal: 4 m line, 1 tuffly, 1 plate set	10'	.5 m	.5 m		No	Stn 13
Station 14	South Launch Dock E end	Horizontal: 4 m line, 1 tuffly, 1 plate set	10'	2 m	.5 m		No	Stn 14

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

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

VESSEL INSPECTIONS/Launch Data:

Santa Barbara County Parks -- Cachuma Lake Boat Launch Data -- MARCH 2011		
Inspection Data		
Total Vessels entering Park	671	
Total Vessels launched	660	
Total Vessels Quarantined	11	2%
Returning with Boat Launch Tag	556	84%
Arriving new: Inspected, washed	104	16%
4-stroke engines	304	46%
2-strokes, w/CARB star ratings	160	24%
2-strokes, NO emissions ratings	196	30%
Quarantine Data		
Total Vessels Quarantined	11	
Quarantined 7 days	3	
Quarantined 14 days	8	
Quarantine Reasons -- May be several for 1 boat		
Water in bilge	3	
Debris on hull	0	
Plug installed	0	
Infected areas	2	
Ballast tanks	0	
Boat longer than 24 feet	2	
Out-of-state	3	
Unspecified	0	
Demographic Data		
Quarantined from infected areas	2	0%
Quarantined from SB County	5	1%

boat Launch Tags: Boats with Cachuma Lake Boat Launch Tags attached to boat and trailer. These boats have not been removed from trailer since last visit to lake and are not subject to inspection or decontamination. No mussel species have been located on any vessel entering Cachuma Lake as of March 31, 2011.

CACHUMA LAKE EARLY DETECTION MONITORING SURVEY:

Summary: No Dreissenid mussels were detected in March 2011.

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

Inspection Date and Time : 2011.03.17; 09:00– 13:00 PDT

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

Surveyors: Dr. Carrie Culver and intern Jason Tay (Sea Grant), Liz Gaspar & Chuck Scott, (SB County Parks)

Lake Elevation: 750.35 from maximum of 753 feet

Prepared by Liz Gaspar, based on inspections and data collected by Cachuma Lake Staff and Park Hosts, and Sea Grant staff and interns

Cachuma Lake Marina Monthly Quagga Survey: Sampling Station Details

Inspection Date: 2011.03.17
 Inspection Time: 0900 - 12:30
 Lake Elevation from max 753 feet 750.35
 Surveyors: Liz Gaspar & Melissa Kelly, SB County Parks

Station #	Location/Description	Stn Type	Lake Depth Meters	Anchor/Lake Depth Meters	Tuff/Plate Depth Meters	Secchi Depth & Temp Deg F @ 3 Meters	NOTES: Station 7: New plate set deployed to replace set missing on Feb survey; Station 11: new station deployed to replace station missing entirely.	Mussels?	Stn #
Station 1	Boathouse, left middle ramp	Horizontal: 4 m line, 1 tuffy, 1 plate set	8'	.5 m	.5 m		Line, knots, Tuffies, plate sets checked. Samples: 0 Organisms: LINE: Algae, bryozoan, clear jelly egg cases (CEC) PLATES: Algae, CEC, physella snails	No	Stn 1
Station 2	Logboom platform at entrance, south east corner.	Vertical: Anchor, Tuffy, plates	30'	12 m	6 m		Line, knots, Tuffies, plate sets, block checked. Samples: 0 Organisms: LINE: Algae PLATES: 0 BLOCK: 0	No	Stn 2
Station 3	Logboom platform at entrance, north west corner	Vertical: Anchor, Tuffy, plate set	125'	12 m	6 m		Line, knots, Tuffies, plate sets, block checked. Samples: 0 Downloaded temp/light data from 3 loggers at 10', 20', 30' Organisms: LINE: Algae, opaque jelly egg cases (OEC) PLATES: 0 BLOCK: 0	No	Stn 3
Station 4	Logboom platform at entrance, under platform.	Horizontal: 4 m line, 1 tuffy, 1 plate set	125'	.5 m	.5 m		Line, knots, Tuffies, plate sets checked. Samples: 0 Organisms: LINE: Algae PLATES: Algae	No	Stn 4
Station 5	N logboom, 13th log from S end, attached to chain at middle	Vertical: Anchor, 1 Tuffy, 1 plate set	125'	12 m	6 m		Line, knots, Tuffies, plate sets, block checked. Samples: 0 Organisms: LINE: Algae, OEC, physella snail PLATES: Algae, OEC, physella snails BLOCK: 0	No	Stn 5
Station 6	N logboom, 14th log from S end, attached to chain on NE side, west end.	Vertical: Anchor, 1 Tuffy, 1 plate set	127'	12 m	6 m		Line, knots, Tuffies, plate sets, block checked. Samples: 0 Organisms: LINE: Algae, OEC PLATES: OEC BLOCK: 0	No	Stn 6

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Station #	Location/Description	Stn Type	Lake Depth Meters	Anchor/Line Depth Meters	Tuff/Plate set Depth Meters	Secchi Depth & Temp Deg F @ 3 Meters	Mussels?	Stn #
Station 7	Far N dock at E end; S side; 14th slip from shore	Vertical: Anchor, 1 Tuffy, 1 plate set	47'	12 m	6 m		No	Stn 7
Station 8	Far N dock at middle @ slip 10/12	Horizontal: 4 m line, 1 tuffy, 1 plate set	43'	.5 m	.5 m		No	Stn 8
Station 9	Middle dock at E end	Vertical: Anchor, 1 Tuffy, 1 plate set		12 m	6 m		No	Stn 9
Station 10	Middle dock at W end; slip 11 & 40	Horizontal: 4 m line, 1 tuffy, 1 plate set	43'	.5 m	.5 m		No	Stn 10
Station 11	Fuel Dock @ far E end	Vertical: Anchor, 1 Tuffy, 1 plate set	45'	12 m	6 m		No	Stn 11
Station 12	Fuel Dock W end strung diagonally under gas pump platform	Horizontal: 4 m line, 3 tuffy, 3 plate set	34'	.5 m	.5 m		No	Stn 12
Station 13	North Launch Dock E end	Horizontal: 4 m line, 1 tuffy, 1 plate set	10'	.5 m	.5 m		No	Stn 13
Station 14	South Launch Dock E end	Horizontal: 4 m line, 1 tuffy, 1 plate set	10'	2 m	.5 m		No	Stn 14

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Budget Table

COMB - COMPONENT 1
 SCC-Modified Upper Reach Project
 Revised Budget

Task/Line Items	Grant Allotment	Previous Expenditures to Date	Current Expenditures - Grant Funds Only	Match	Total Expenditures to Date	Budget Remaining	Overall Budget
Project Administration Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Land Purchase/Easements	\$0.00	\$0.00	\$0.00	\$38,454.00	\$38,454.00	\$0.00	\$38,454.00
Planning/Design/Engineering/Environmental Documents	\$280,000.00	\$0.00	\$0.00	\$589,053.00	\$589,053.00	\$280,000.00	\$869,053.00
Construction/Implementation	\$2,650,000.00	\$0.00	\$0.00	\$1,000,000.00	\$0.00	\$2,650,000.00	\$3,650,000.00
Environmental Compliance/Mitigation/Enhancement	\$20,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$20,000.00	\$20,000.00
Construction Administration	\$250,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$250,000.00	\$250,000.00
Other Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$3,200,000.00	\$0.00	\$0.00	\$1,627,507.00	\$627,507.00	\$3,200,000.00	\$4,827,507.00

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