

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

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

Monday, April 27, 2015

2:00 P.M.

AGENDA

1. **CALL TO ORDER, ROLL CALL**
2. **PUBLIC COMMENT** (Public may address the Board on any subject matter not on the agenda and within the Board's jurisdiction. See "Notice to the Public" below. Please make your comments from the podium once acknowledged by the President of the Board.)
3. **VERBAL REPORTS FROM BOARD COMMITTEES**
Receive verbal information regarding the following committee meetings:
 - Administrative Committee Meeting – April 6, 2015
 - Ad Hoc Drought Contingency Committee Meeting – April 6, 2015
 - Fisheries Committee Meeting – April 14, 2015
4. **CONSENT AGENDA** (All items on the Consent Agenda are considered to be routine and will be approved or rejected in a single motion. Any item placed on the Consent Agenda may be removed and placed on the Regular Agenda for discussion and possible action upon the request of any Board Member.)
Action: Recommend Approval of Consent Agenda by motion and roll call vote of the Board:
 - a. Minutes March 23, 2015 Regular Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Payment of Claims
 - d. Progress Report on Lake Cachuma Oak Tree Program
 - e. Fisheries Division Report
 - f. Operations Division Report
 - g. Monthly Cachuma Project Reports
 - h. Operations Division Projects Current Fiscal Year
 - i. North Portal Jet Flow Spool Design and Purchase
 - ii. Elevator Electric Control Panel Replacement
 - iii. V-Ditch Project
 - iv. Open Air Vent Rehabilitation Project
 - v. Vehicle Purchases
 - i. Risk Analysis and Optimization Proposal

5. **IRWMP PROPOSITION 84 GRANT FUNDING ALLOCATION**
Action: For Discussion and Possible action; approval by motion and roll call vote of the Board
6. **FISCAL YEAR 2015-16 PROPOSED DRAFT OPERATING BUDGET**
Action: Adopt Fiscal Year 2015-16 Operating Budget, Infrastructure Improvement Plan (IIP) and Habitat Improvement Plan (HIP):
1. Draft Fiscal Year 2015-16 Operating Budget
 2. Draft Operations Division IIP
 3. Draft Fisheries Division HIP
7. **GENERAL MANAGER'S REPORT**
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
- USBR Site Inspection (Category 1 – Cross Connection Status)
 - NP Elevator Rehabilitation
 - Santa Barbara County Drought Task Force (DTF)
 - Encroachment
 - Drought Emergency Pumping Facility Project
 1. Construction Status
 2. Grant Funding
 - COMB Office Buildings
 - Division Manager Comments
8. **DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR NEXT MEETING**
9. **[CLOSED SESSION]: CONFERENCE WITH LEGAL COUNSEL: EXISTING AND POTENTIAL LITIGATION**
- a. [Government Code Section 54956.9(d)(4)]
Name of case: California Trout, Inc. v. United States Bureau of Reclamation et al., United States District Court, CDCA, Case No., 2:14-CV-7744
 - b. [Government Code Section 54956.9(d)(1)]
Name of case: Arnold Edmund Keir Nash and Marguerite Bouraad Nash v. Cachuma Operation & Maintenance Board, Santa Barbara Superior Court, Case No., 15-CV-00499
 - c. [Government Code Section 54956.9(d)(1)]
Name of case: Randy F. Ondracek and Victoria K. Ondracek v. Cachuma Operation & Maintenance Board, Santa Barbara Superior Court, Case No., 15-CV-00500
10. **RECONVENE INTO OPEN SESSION**
[Government Code Section 54957.7]
Disclosure of actions taken in closed session, as applicable
[Government Code Section 54957.1]
11. **MEETING SCHEDULE**
- **May 18, 2015 at 2:00 P.M., COMB Office**
 - **Board Packages Available on COMB Website**
www.cachuma-board.org

12. COMB ADJOURNMENT

NOTICE TO PUBLIC

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

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

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

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

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

CACHUMA OPERATION & MAINTENANCE BOARD

Administrative Committee Meeting

3301 Laurel Canyon Road
Santa Barbara, CA 93105

Monday, April 6, 2015
10:00 A.M.

AGENDA

1. Call to Order
2. Public Comment (Public may address the Board on any subject matter not on the agenda and within the Board's jurisdiction)
3. COMB Benefits Discussion (*For Discussion*)
4. IRWMP Grant Funding Allocation (*For Discussion*)
5. Draft FY 2015-16 COMB Operating Budget
 - a. Draft Operations Division Infrastructure Improvement Plan (IIP)
 - b. Draft Fisheries Division Habitat Improvement Plan (HIP)
6. Operations Division Projects Current Fiscal Year
 - a. North Portal Jet Flow Spool Design and Purchase
 - b. Elevator Electric Control Panel Replacement
 - c. V-Ditch Project
 - d. Open Air Vent Rehabilitation Project
 - e. Vehicle Purchases
7. Adjournment

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

CACHUMA OPERATION & MAINTENANCE BOARD

Ad Hoc Drought Contingency Committee Meeting

3301 Laurel Canyon Road
Santa Barbara, CA 93105

Monday, April 6, 2015

**Upon Adjournment of the
Administrative Committee**

AGENDA

1. Call to Order
2. Public Comment (Public may address the Board on any subject matter not on the agenda and within the Board's jurisdiction)
3. Emergency Pumping Facilities Project
 - a. Budget Review
 - b. Disposition of Pipe
4. Adjournment

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

**CACHUMA OPERATION & MAINTENANCE BOARD
Fisheries Committee Special Meeting**

3301 Laurel Canyon Road
Santa Barbara, CA 93105

**Tuesday, April 14, 2015
10:00 AM**

AGENDA

1. Call to Order
2. Public Comment (Public may address the Board on any subject matter not on the agenda and within the Board's jurisdiction)
3. RFPs for Risk Analysis and Optimization of the LSYR Migrant Trapping Program Study – For discussion and to provide direction to staff as appropriate
4. Trust Fund and Renewal Fund 5-Year Plan – For discussion
5. Adjournment

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

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

held at
3301 Laurel Canyon Road, Santa Barbara, CA
Monday, March 23, 2015

1. Call to Order, Roll Call

The meeting was called to order at 2:02 p.m. by President Lauren Hanson who chaired the meeting. Those in attendance were:

Directors present:

Lauren Hanson	Goleta Water District
Doug Morgan	Montecito Water District
Kevin Walsh	SYR Water Conservation District, ID No. 1
Dale Francisco	City of Santa Barbara
Polly Holcombe	Carpinteria Valley Water District

Others present:

Randall Ward	Joshua Haggmark
Janet Gingras	Lindsay Griffin
Dave Stewart	Mitchell White
Tim Robinson	Ruth Snodgrass
Adelle Capponi	Megan Emami
Jane Usher	Phil Walker

At the February Regular Board meeting, Director Morgan requested the opportunity to meet COMB's two new Operations Division employees. Randall Ward introduced Water Service Worker I Thomas Cortez and Daniel Silva. The Board welcomed them to COMB.

2. Public Comment

Phil Walker commented on previous years when Lake Cachuma filled and spilled; the drought; pumping; bathymetric survey; and, a recent article that appeared in the LA Times regarding Los Angeles Mayor Eric Garcetti's earthquake plan.

3. Consent Agenda

- a. Minutes**
February 23, 2015 Regular Board Meeting
- b. Investment Funds**
Financial Reports
Investment Reports
- c. Payment of Claims**
- d. Progress Report on Lake Cachuma Oak Tree Program**

- e. Fisheries Division Report**
- f. Operations Division Report**
- g. Monthly Cachuma Project Reports**
- h. Resolution No. 593 Acceptance of California Department of Fish and Wildlife Grant for Fish Passage Improvement Project Quiota Creek Crossing 3**
- i. Resolution No. 594 Acceptance of California Department of Fish and Wildlife Grant for Fish Passage Improvement Project Quiota Creek Crossing 0a and 0b**
- j. Approval to Apply for Grant Funding with Department of Fish and Wildlife for Fish Improvement Passage Project Quiota Creek Crossing 4; and, Approve Obligation for a COMB \$50,000 Construction Match**
- k. Resolution No. 595 Expressing Appreciation and Gratitude to Ruth E. Snodgrass Upon Her Retirement**

President Hanson removed Item k for separate consideration. Items h, i and j were removed for clarification. Director Walsh stated that he would be voting 'NO' for Items c, h, i and j; and explained the reason for his vote (h, i & j) noting that the information specific to these items, while he agrees with the projects, had not been presented to ID#1 for review as required by the Fish Memorandum of Understanding (MOU). Director Morgan noted that Items h and i are merely accepting the grants that have been issued. President Hanson stated that these items went before the Fisheries Committee for full review prior to presentation and recommendation to the Board at this meeting; Item j in particular follows a long established process successfully employed by COMB on previous grant submittals. Mr. Ward echoed that Item j only authorizes staff to apply for the grant; any funds associated with the project would be presented to the Administrative Committee for review and ultimate approval by the Board. Director Walsh reiterated that while he agrees with the projects, because the process according to the MOU was not followed, ID#1 may feel no obligation to participate.

Following a lengthy discussion, President Hanson confirmed Director Francisco's motion to approve Items a through j of the Consent Agenda, seconded by Director Morgan, and passed by roll call vote as follows:

Items 3a, b, c, d, e, f, g, h, and i: 6/1/0

Ayes: Morgan, Holcombe, Francisco, Hanson

Nayes: Walsh

Abstain/Absent: None

Item 3k was introduced by President Hanson who expressed appreciation to Ruth Snodgrass for her years of service and being a part of this agency. Mr. Ward read the Resolution and presented it to Ms. Snodgrass.

Director Morgan moved approval of Item 3k, seconded by Director Francisco, and passed by roll call vote as follows:

Item 3k: 7/0/0

Ayes: Morgan, Walsh, Holcombe, Francisco, Hanson

Nayes: None

Abstain/Absent: None

4. Appointment of Representative to Cachuma Project Trust Fund and Renewal Fund Committee and Betterment Fund Use of Funds Discussion

Randy Ward, General Manager highlighted information in the memo as included in the board packet.

Following consideration on the history, dynamics and functions of the respective funds, Director Francisco moved to approve the appointment of the Administrative Manager to serve as the Representative to the Committee as recommended, seconded by Director Morgan. President Hanson put the vote all in favor: Aye; all Opposed; motion carried 5/1/1 as follows:

Ayes: Holcombe, Francisco, Hanson

Nayes: Walsh

Abstain/Absent: Morgan

5. Verbal Reports From Board Committees

- *Fisheries Committee Meeting, March 5, 2015:* President Hanson noted that the Committee met with Tim Robinson, Fisheries Division Manager. Information was reviewed on the annual monitoring reports; data sharing; the nexus between the USBR and tributary restoration projects; a status report on pending projects on Quiota Creek; trapping efforts; weather effects on seasonal monitoring; and, the Hilton Creek Watering System. Lastly, Mr. Robinson offered to take the Board, Manager's or their staff on a tour of the projects that have been completed to-date.
- *Operations Committee Meeting, March 6, 2015:* Director Francisco stated the Committee reviewed the Capital Improvement Plan (CIP); stating it was a very straight forward, very well thought-out plan and incorporated the suggestions that he and Director Morgan had made. Additionally, Director Morgan noted that due to the drought, projects necessitating SCC shut down, be separated out from other projects that don't require shut down and undertake those at optimal periods. Randall Ward responded that project substitution, other than those of an emergency nature, would be addressed and prioritized. The CIP has been distributed to the General Manager's for review and comment. Following manager review, the CIP will go before the Administrative Committee for the financial component review and approval. Lastly, President Hanson reminded everyone that going forward, all Committee Meeting Agenda's will be forwarded to the Directors for their information. This stems from a request by Director Holcombe and Director Walsh.

6. General Manager's Report

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

- *USBR Site Inspection:* The remaining Member Unit survey and report was completed and has been forwarded to the USBR. No remediation was found necessary according the Certified Cross Connection Inspector.
- *NP Elevator:* Shortly after inspection and permitting was received, it was discovered that a board within the control panel was faulty. Due to the age of the panel, it was not included in the rehabilitation efforts, but deemed safely operable by COMB's engineering consultant. Replacement options are currently under review. A

proposal to replace the faulty panel will be brought before the Administrative Committee, and then presented to the Board for consideration and approval at the April regular board meeting.

- *Santa Barbara County Drought Task Force (DTF)*: Project updates continue.
- *Encroachment*: COMB and County staff continue to work in concert to research and collect property owner information, some of which is rather old in nature and not located on modern resources, such as computerized records.
- *Drought Contingency Pumping Facility Project*
 - 1) *Construction Status*: Pumps are tested and exercised monthly; the system remains in stand-by mode until operations become necessary; pipe retention options continue to be reviewed and a report outlining those options and resulting costs will go before the Board when fully obtained.
 - 2) *Grant Funding*: The County of Santa Barbara is in the process of formally accepting the Proposition 84 Grant. Invoice development for the Department of Water Resources (DWR) continues.
- *Infrastructure Improvement Plan (IIP)*: This was distributed to Member Unit General Manager's for review and comment. These will be incorporated into the document, presented to the Administrative Committee, then the full Board for review.
- *COMB Office Buildings*: Modular office replacement options and analysis efforts continue. Once finalized, the Administrative Committee will review the findings and present recommendations to the Board for consideration and approval.
- *Division Manager Comments*: Tim Robinson, Fisheries Division Manager, highlighted information from his report as included in the board packet.

7. Directors' Requests for Agenda Items for Next Meeting

Director Morgan requested the Administrative Committee include a discussion on benefits.

8. [Closed Session]: Conference with Legal Counsel: Existing and Potential Litigation

- a. [Government Code Section 54956.9(d)(4)]
Name of case: California Trout, Inc. v. United States Bureau of Reclamation et al., United States District Court, CDCA, Case No. 2:14-CV-7744

The Board went into closed session at 3:55 p.m.

9. Reconvene Into Open Session

[Government Code Section 54957.7]

Disclosure of actions taken in closed session, as applicable

[Government Code Section 54957.1]

The Board came out of closed session at 4:15 p.m.

There was no report out of closed session.

10. Meeting Schedule

- The next regular Board meeting will be held April 27, 2015 at 2:00 p.m.
- The Agendas and Board Packets are available on the COMB website at www.cachuma-board.org

11. COMB Adjournment

There being no further business, the meeting was adjourned at 4:15 p.m.

Respectfully submitted,

Randall Ward, Secretary of the Board

APPROVED:

Lauren Hanson, President of the Board

	<i>Approved</i>
✓	<i>Unapproved</i>

COMB
Statement of Net Assets
As of March 31, 2015

ASSETS

Current Assets

Checking/Savings

TRUST FUNDS

1210 · WARREN ACT TRUST FUND 108,930.52

1220 · RENEWAL FUND 109,634.45

Total TRUST FUNDS 218,564.97

1050 · GENERAL FUND 195,542.82

1100 · REVOLVING FUND 30,697.63

Total Checking/Savings 444,805.42

Other Current Assets

1010 · PETTY CASH 500.00

1200 · LAIF 1,153,897.96

1303 · Bradbury SOD Act Assmnts Rec 78,676.00

1304 · Lauro Dam SOD Assesmnt Rec 13,818.00

1400 · PREPAID INSURANCE 18,125.72

Total Other Current Assets 1,265,017.68

Total Current Assets 1,709,823.10

Fixed Assets

1500 · VEHICLES 431,604.76

1505 · OFFICE FURN & EQUIPMENT 405,274.68

1510 · MOBILE OFFICES 97,803.34

1515 · FIELD EQUIPMENT 517,530.41

1525 · PAVING 38,351.00

1550 · ACCUMULATED DEPRECIATION -1,348,556.82

Total Fixed Assets 142,007.37

Other Assets

1910 · LT Bradbury SOD Act Assess Rec 5,334,042.07

1920 · LT Lauro SOD Act Assess Rec 954,789.00

1921 · Loan Receivable - EPFP 1,701,317.00

Total Other Assets 7,990,148.07TOTAL ASSETS 9,841,978.54

COMB
Statement of Net Assets
As of March 31, 2015

LIABILITIES & NET ASSETS**Liabilities****Current Liabilities****Accounts Payable**

2200 · ACCOUNTS PAYABLE

1,413,509.65

Total Accounts Payable1,413,509.65**Other Current Liabilities**

Payroll-DepPrm Admin

59.24

Payroll-DepPrm FD

4.62

Payroll-DepPrm Ops

13.86

2505 · ACCRUED WAGES

28,700.35

2550 · VACATION/SICK

124,333.16

2560 · CACHUMA ENTITLEMENT

-1,285,318.13

2561 · BRADBURY DAM SOD ACT

78,676.65

2563 · LAURO DAM SOD ACT

13,818.00

2565 · ACCRUED INTEREST SOD ACT

87,008.00

2590 · DEFERRED REVENUE

718,564.97

Total Other Current Liabilities-234,139.30**Total Current Liabilities**

1,179,370.35

Long Term Liabilities

2602 · LT SOD Act Liability-Bradbury

5,334,042.07

2603 · LT SOD Act Liability - Lauro

954,789.00

2604 · OPEB LT Liability

595,690.00

2605 · Loan Payable - EPFP

1,701,317.00

Total Long Term Liabilities8,585,838.07**Total Liabilities**

9,765,208.42

NET POSITION

3901 · Retained Net Assets

372,837.14

Net Income

-296,067.02**Total Net Assets**76,770.12**TOTAL LIABILITIES & NET POSITION**9,841,978.54

comb2
Statement of Revenues and Expenditures
 Budget vs. Actuals July 2014 - Jun 2015

12:20 PM
 04/22/15
 Accrual Basis

	Fishesries			Operations			TOTAL		
	Jul '14 - Mar 15	Budget	% of Budget	Jul '14 - Mar 15	Budget	% of Budget	Jul '14 - Mar 15	Budget	% of Budget
Income									
3000 REVENUE									
3001 - O&M Budget (City Assessments)	843,236.61	1,124,827.00	75.0%	1,836,561.00	2,448,749.00	-612,188.00	2,679,797.61	3,573,576.00	-893,778.39
3002 - Drought Contingency Rsv Fund	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	0.00	0.00
3006 - Warren Act	113,434.00	113,434.00	100.0%	0.00	0.00	0.00	113,434.00	113,434.00	0.00
3007 - Renewal Fund	60,468.16	159,887.00	37.8%	0.00	0.00	0.00	60,468.16	159,887.00	-99,418.84
3010 - Interest Income	0.00	0.00	0.0%	573.52	0.00	0.00	573.52	0.00	573.52
3011 - Emergency Pumping FP-Loan	0.00	0.00	0.0%	1,701,317.00	3,200,000.00	-1,498,683.00	1,701,317.00	3,200,000.00	-1,498,683.00
3012 - Emergency Pumping FP-City of SB	0.00	0.00	0.0%	1,334,199.00	1,778,930.00	-444,731.00	1,334,199.00	1,778,930.00	-444,731.00
3013 - Emergency Pumping FP-Int Assess	0.00	0.00	0.0%	12,182.67	0.00	0.00	12,182.67	0.00	12,182.67
3020 - Misc Income	0.00	90,000.00	83.3%	7,403.71	0.00	0.00	7,403.71	0.00	7,403.71
3035 - Cachuama Project Betterment Fund	75,000.00	0.00	0.0%	0.00	0.00	0.00	75,000.00	0.00	75,000.00
Total 3000 REVENUE	1,092,138.77	1,488,148.00	73.4%	4,892,236.90	7,427,679.00	-2,535,442.10	5,984,375.67	8,915,827.00	-2,931,451.33
Total Income	1,092,138.77	1,488,148.00	73.4%	4,892,236.90	7,427,679.00	-2,535,442.10	5,984,375.67	8,915,827.00	-2,931,451.33
Gross Profit	1,092,138.77	1,488,148.00	73.4%	4,892,236.90	7,427,679.00	-2,535,442.10	5,984,375.67	8,915,827.00	-2,931,451.33
Expense									
PAYROLL									
Gross	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	0.00	0.00
Gross-FD	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	0.00	0.00
Total PAYROLL	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	0.00	0.00
3100 - LABOR - OPERATIONS									
3200 VEH & EQUIPMENT									
3201 - Vehicle/Equip Mtce	0.00	818,736.00	66.7%	545,821.71	818,736.00	-272,914.29	545,821.71	818,736.00	-272,914.29
3202 - Fixed Capital	0.00	30,000.00	0.0%	23,084.25	30,000.00	-6,915.75	23,084.25	30,000.00	-6,915.75
3203 - Equipment Rental	0.00	35,000.00	0.0%	2,364.71	35,000.00	-32,635.29	2,364.71	35,000.00	-32,635.29
3204 - Miscellaneous	0.00	5,000.00	0.0%	1,953.71	5,000.00	-3,046.29	1,953.71	5,000.00	-3,046.29
	0.00	5,000.00	0.0%	2,355.17	5,000.00	-2,644.83	2,355.17	5,000.00	-2,644.83
Total 3200 VEH & EQUIPMENT	0.00	75,000.00	39.7%	29,757.84	75,000.00	-45,242.16	29,757.84	75,000.00	-45,242.16
3300 - CONTRACT LABOR									
3301 - Conduit, Meter, Valve & Misc	0.00	20,000.00	0.0%	5,538.00	20,000.00	-14,462.00	5,538.00	20,000.00	-14,462.00
3302 - Buildings & Roads	0.00	20,000.00	0.0%	7,060.88	20,000.00	-12,939.12	7,060.88	20,000.00	-12,939.12
3303 - Reserviors	0.00	20,000.00	0.0%	11,990.25	20,000.00	-8,009.75	11,990.25	20,000.00	-8,009.75
3304 - Engineering, Misc Services	0.00	10,000.00	0.0%	0.00	10,000.00	-10,000.00	0.00	10,000.00	-10,000.00
Total 3300 - CONTRACT LABOR	0.00	70,000.00	35.1%	24,589.13	70,000.00	-45,410.87	24,589.13	70,000.00	-45,410.87
3400 - MATERIALS & SUPPLIES									
3401 - Conduit, Meter, Valve & Misc	0.00	25,000.00	0.0%	12,339.06	25,000.00	-12,660.94	12,339.06	25,000.00	-12,660.94
3402 - Buildings & Roads	0.00	15,000.00	0.0%	1,289.95	15,000.00	-13,710.05	1,289.95	15,000.00	-13,710.05
3403 - Reserviors	0.00	10,000.00	0.0%	1,260.43	10,000.00	-8,739.57	1,260.43	10,000.00	-8,739.57
Total 3400 - MATERIALS & SUPPLIES	0.00	50,000.00	29.8%	14,889.44	50,000.00	-35,110.56	14,889.44	50,000.00	-35,110.56
3500 - OTHER EXPENSES									
3501 - Utilities	0.00	7,000.00	0.0%	5,589.48	7,000.00	-1,410.52	5,589.48	7,000.00	-1,410.52
3502 - Uniforms	0.00	6,000.00	0.0%	3,306.05	6,000.00	-2,693.95	3,306.05	6,000.00	-2,693.95
3503 - Communications	0.00	18,000.00	0.0%	13,419.89	18,000.00	-4,580.11	13,419.89	18,000.00	-4,580.11
3504 - USA & Other Services	0.00	4,000.00	0.0%	1,177.08	4,000.00	-2,822.92	1,177.08	4,000.00	-2,822.92
3505 - Miscellaneous	0.00	8,000.00	0.0%	5,640.58	8,000.00	-2,359.42	5,640.58	8,000.00	-2,359.42
3506 - Training	0.00	3,000.00	0.0%	1,108.82	3,000.00	-1,891.18	1,108.82	3,000.00	-1,891.18
Total 3500 - OTHER EXPENSES	0.00	46,000.00	65.7%	30,241.90	46,000.00	-15,758.10	30,241.90	46,000.00	-15,758.10
4000 - Reconciliation Discrepancies									
4100 - LABOR - FISHERIES									
4101 - Senior Resource Scientist	74,565.25	99,551.00	74.9%	0.00	0.00	0.00	74,565.25	99,551.00	-24,985.75
4102 - Project Biologist	74,111.86	96,074.00	77.1%	0.00	0.00	0.00	74,111.86	96,074.00	-21,962.14
4103 - Biologist	63,674.16	82,620.00	77.1%	0.00	0.00	0.00	63,674.16	82,620.00	-18,945.84
4104 - Oak Tree Program	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	0.00	0.00
4114 - Seasonal Aide - JG	5,247.00	16,500.00	31.8%	0.00	0.00	0.00	5,247.00	16,500.00	-11,253.00
4116 - Seasonal Aide - DR	9,046.92	16,500.00	54.8%	0.00	0.00	0.00	9,046.92	16,500.00	-7,453.08
4117 - Seasonal Aide - BJ	5,289.75	16,500.00	32.1%	0.00	0.00	0.00	5,289.75	16,500.00	-11,210.25
4119 - Seasonal Aide - MW	8,043.89	16,500.00	48.8%	0.00	0.00	0.00	8,043.89	16,500.00	-8,456.11
4119 - Seasonal Aide - MW	4,875.63	16,500.00	29.5%	0.00	0.00	0.00	4,875.63	16,500.00	-11,624.37
4150 - FD Health & WC	70,007.27	98,937.00	70.8%	0.00	0.00	0.00	70,007.27	98,937.00	-28,929.73
4151 - FD PERS	43,137.29	56,361.00	76.5%	0.00	0.00	0.00	43,137.29	56,361.00	-13,223.71

comb2
Statement of Revenues and Expenditures
Budget vs. Actuals July 2014 - Jun 2015

	Fisheries			Operations			TOTAL		
	Jul '14 - Mar '15	\$ Over Budget	% of Budget	Jul '14 - Mar '15	\$ Over Budget	% of Budget	Budget	\$ Over Budget	% of Budget
4152 - FD Co FICA	16,776.12	-5,589.88	75.0%	0.00	0.00	0.0%	22,366.00	-5,589.88	75.0%
4153 - FD Co Medicare	3,923.45	-1,307.55	75.0%	0.00	0.00	0.0%	5,231.00	-1,307.55	75.0%
Total 4100 - LABOR - FISHERIES	378,701.59	-164,938.41	69.7%	0.00	0.00	0.0%	543,640.00	-164,938.41	69.7%
4200 - VEHICLES & EQUIP - FISHERIES	9,196.08	-3,803.92	70.7%	0.00	0.00	0.0%	13,000.00	-3,803.92	70.7%
4270 - Vehicle/Equip Mtc	7,230.75	-67,769.25	9.6%	0.00	0.00	0.0%	75,000.00	-67,769.25	9.6%
4280 - Fixed Capital	0.00	40,000.00	0.0%	0.00	0.00	0.0%	-40,000.00	40,000.00	0.0%
4280-1 - Fixed Assets C/O Funds FY 2014	128.25	-2,371.75	5.1%	0.00	0.00	0.0%	2,500.00	-2,371.75	5.1%
4290 - Miscellaneous	16,555.08	-33,944.92	32.8%	0.00	0.00	0.0%	50,500.00	-33,944.92	32.8%
Total 4200 - VEHICLES & EQUIP - FISHERIES	757.58	-2,242.42	25.3%	0.00	0.00	0.0%	3,000.00	-2,242.42	25.3%
4221 - Meters & Valves	22,242.04	-5,757.96	79.4%	0.00	0.00	0.0%	28,000.00	-5,757.96	79.4%
4222 - Fish Projects Maintenance	22,999.62	-8,000.38	74.2%	0.00	0.00	0.0%	31,000.00	-8,000.38	74.2%
Total 4220 - CONTRACT LABOR - FISHERIES	3,830.70	-3,169.30	54.7%	0.00	0.00	0.0%	7,000.00	-3,169.30	54.7%
4300 - MATERIALS/SUPPLIES - FISHERIES	1,101.18	-1,398.82	44.0%	0.00	0.00	0.0%	2,500.00	-1,398.82	44.0%
4390 - Miscellaneous	1,101.18	-1,398.82	44.0%	0.00	0.00	0.0%	2,500.00	-1,398.82	44.0%
Total 4300 - MATERIALS/SUPPLIES - FISHERIES	1,101.18	-1,398.82	44.0%	0.00	0.00	0.0%	2,500.00	-1,398.82	44.0%
4500 - OTHER EXPENSES - FISHERIES	0.00	-1,531.54	23.4%	468.46	-1,531.54	23.4%	2,000.00	-1,531.54	23.4%
4502 - Uniforms	0.00	-5,758.40	47.7%	5,241.60	-5,758.40	47.7%	11,000.00	-5,758.40	47.7%
Total 4500 - OTHER EXPENSES - FISHERIES	0.00	-7,289.94	43.9%	5,710.06	-7,289.94	43.9%	13,000.00	-7,289.94	43.9%
4999 - GENERAL & ADMINISTRATIVE	0.00	-26,837.41	73.2%	73,162.59	-26,837.41	73.2%	100,000.00	-26,837.41	73.2%
5000 - Director Fees	0.00	-1,222.00	94.4%	20,478.00	-1,222.00	94.4%	21,700.00	-1,222.00	94.4%
5001 - Director Mileage	0.00	-4,662.14	6.8%	337.86	-4,662.14	6.8%	5,000.00	-4,662.14	6.8%
5000 - Director Fees - Other	0.00	-1,065.91	102.5%	43,770.91	-1,065.91	102.5%	42,705.00	1,065.91	102.5%
Total 5000 - Director Fees	0.00	-6,950.05	69.5%	137,297.19	-6,950.05	69.5%	197,658.00	-6,950.05	69.5%
5100 - Legal	0.00	-60,360.81	63.9%	45,996.65	-60,360.81	63.9%	70,574.00	-60,360.81	63.9%
5101-1 - Audit	0.00	-7,804.69	76.4%	13,792.31	-7,804.69	76.4%	21,597.00	-7,804.69	76.4%
5150 - Unemployment Tax	0.00	-1,190.77	75.9%	3,861.23	-1,190.77	75.9%	5,052.00	-1,190.77	75.9%
5200 - Liability Insurance	0.00	-28,243.00	72.7%	88,757.00	-28,243.00	72.7%	117,000.00	-28,243.00	72.7%
5201 - Health & Workers Comp	0.00	-20,403.58	84.0%	54,346.42	-20,403.58	84.0%	74,750.00	-20,403.58	84.0%
5250 - PERS	0.00	-32,500.00	80.1%	31,820.17	-32,500.00	80.1%	32,500.00	-32,500.00	80.1%
5260 - Company FICA Admin	0.00	-8,725.54	65.7%	35,118.46	-8,725.54	65.7%	43,844.00	-8,725.54	65.7%
5265 - Company MCARE Admin	0.00	-14,510.63	39.1%	27,844.37	-14,510.63	39.1%	42,355.00	-14,510.63	39.1%
5300 - Manager Salary	0.00	-5,539.44	56.9%	3,560.56	-5,539.44	56.9%	9,100.00	-5,539.44	56.9%
5301 - Administrative Manager	0.00	-4,173.75	78.5%	5,517.25	-4,173.75	78.5%	9,691.00	-4,173.75	78.5%
5303 - Admin Assistant I	0.00	-2,314.79	68.4%	8,475.21	-2,314.79	68.4%	10,790.00	-2,314.79	68.4%
5306 - Administrative Assistant	0.00	-2,525.80	82.4%	5,469.20	-2,525.80	82.4%	7,995.00	-2,525.80	82.4%
5307 - Water Resources Technician	0.00	-119.50	98.3%	6,880.50	-119.50	98.3%	7,000.00	-119.50	98.3%
5310 - Postage/Office Exp	0.00	-3,244.18	69.7%	8,022.18	-3,244.18	69.7%	11,266.00	-3,244.18	69.7%
5311 - Office Equip/Leases	0.00	-10,981.00	9.5%	189.34	-10,981.00	9.5%	16,250.00	-10,981.00	9.5%
5312 - Misc Admin Expenses	0.00	-1,810.66	50.7%	1,014.69	-1,810.66	50.7%	2,000.00	-1,810.66	50.7%
5313 - Communications	0.00	-561.75	43.8%	438.25	-561.75	43.8%	1,000.00	-561.75	43.8%
5314 - Utilities	0.00	-281,057.78	71.3%	647,885.22	-281,057.78	71.3%	908,943.00	-281,057.78	71.3%
5315 - Membership Dues	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5316 - Admin Fixed Assets	0.00	16,250.00	0.0%	189.34	16,250.00	0.0%	-16,250.00	16,250.00	0.0%
5318 - Computer Consultant	0.00	-985.31	50.7%	1,014.69	-985.31	50.7%	2,000.00	-985.31	50.7%
5318-1 - Computer Consultant CO funds	0.00	-985.31	50.7%	1,014.69	-985.31	50.7%	2,000.00	-985.31	50.7%
5325 - Emp Training/Subscriptions	0.00	-561.75	43.8%	438.25	-561.75	43.8%	1,000.00	-561.75	43.8%
5330 - Admin Travel/Conferences	0.00	-561.75	43.8%	438.25	-561.75	43.8%	1,000.00	-561.75	43.8%
5331 - Public Information	0.00	-561.75	43.8%	438.25	-561.75	43.8%	1,000.00	-561.75	43.8%
Total 4999 - GENERAL & ADMINISTRATIVE	0.00	-281,057.78	71.3%	647,885.22	-281,057.78	71.3%	908,943.00	-281,057.78	71.3%
5400 - GENERAL & ADMIN - FISHERIES	33,181.38	-19,134.62	63.4%	0.00	-19,134.62	63.4%	52,316.00	-19,134.62	63.4%
5401 - Health & Workers Comp.	24,767.40	-13,234.60	65.2%	0.00	-13,234.60	65.2%	38,002.00	-13,234.60	65.2%
5402 - CatPERS	7,408.09	-4,221.91	63.7%	0.00	-4,221.91	63.7%	11,630.00	-4,221.91	63.7%
5403 - Company Fica	17,133.95	-3,271.05	84.0%	0.00	-3,271.05	84.0%	20,405.00	-3,271.05	84.0%
5404 - Admin Secretary	47,792.20	-15,207.80	75.9%	0.00	-15,207.80	75.9%	63,000.00	-15,207.80	75.9%
5405 - GM Salary	2,074.68	-644.32	76.3%	0.00	-644.32	76.3%	2,719.00	-644.32	76.3%
5406 - Company MCare	22,847.05	-2,152.95	91.4%	0.00	-2,152.95	91.4%	25,000.00	-2,152.95	91.4%
5407 - Legal - FD	29,263.60	-10,986.40	72.7%	0.00	-10,986.40	72.7%	40,250.00	-10,986.40	72.7%
5408 - Administrative Manager	0.00	-10,986.40	72.7%	0.00	-10,986.40	72.7%	40,250.00	-10,986.40	72.7%

Statement of Revenues and Expenditures

Budget vs. Actuals July 2014 - Jun 2015

Accrual Basis

	Fisheries			Operations			TOTAL		
	Jul '14 - Mar '15	Budget	% of Budget	Jul '14 - Mar '15	Budget	% of Budget	Jul '14 - Mar '15	Budget	% of Budget
5409 - Administrative Assistant	18,909.94	23,608.00	80.1%	0.00	0.00	0.0%	18,909.94	23,608.00	80.1%
5410 - Postage / Office Supplies	1,942.70	4,900.00	39.6%	0.00	0.00	0.0%	1,942.70	4,900.00	39.6%
5411 - Office Equipment / Leases	2,970.70	5,218.00	56.9%	0.00	0.00	0.0%	2,970.70	5,218.00	56.9%
5412 - Misc. Admin Expense	3,563.25	5,810.00	61.7%	0.00	0.00	0.0%	3,563.25	5,810.00	61.7%
5413 - Communications	3,305.05	4,305.00	76.8%	0.00	0.00	0.0%	3,305.05	4,305.00	76.8%
5414 - Utilities	4,319.66	5,243.00	82.4%	0.00	0.00	0.0%	4,319.66	5,243.00	82.4%
5415 - Membership Dues	3,572.50	2,900.00	123.2%	0.00	0.00	0.0%	3,572.50	2,900.00	123.2%
5416 - Admin Fixed Assets	1,638.88	4,000.00	41.0%	0.00	0.00	0.0%	1,638.88	4,000.00	41.0%
5418 - Computer Consultant	13,988.37	19,250.00	72.7%	0.00	0.00	0.0%	13,988.37	19,250.00	72.7%
5418-1 - Computer Consultant CO Funds	0.00	-8,750.00	0.0%	0.00	0.00	0.0%	0.00	-8,750.00	0.0%
5425 - Employee Education/Subscription	101.95	2,500.00	4.1%	0.00	0.00	0.0%	101.95	2,500.00	4.1%
5426 - Director Fees	2,622.40	6,000.00	47.0%	0.00	0.00	0.0%	2,622.40	6,000.00	47.0%
5427 - Director Mileage	1,853.27	1,000.00	25.2%	0.00	0.00	0.0%	1,853.27	1,000.00	25.2%
5430 - Travel	1,235.99	1,500.00	82.4%	0.00	0.00	0.0%	1,235.99	1,500.00	82.4%
5431 - Public Information	4,522.00	6,300.00	71.8%	0.00	0.00	0.0%	4,522.00	6,300.00	71.8%
5441 - Audit	21,595.00	21,595.00	109.1%	0.00	0.00	0.0%	21,595.00	21,595.00	109.1%
5443 - Liab & Property Ins	14,993.13	22,807.00	65.7%	0.00	0.00	0.0%	14,993.13	22,807.00	65.7%
5450 - Water Resources Technician	0.00	17,500.00	0.0%	0.00	0.00	0.0%	0.00	17,500.00	0.0%
5451 - Admin Assistant I	288,049.34	401,508.00	71.7%	0.00	0.00	0.0%	288,049.34	401,508.00	71.7%
Total 5400 - GENERAL & ADMIN - FISHERIES	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5510 - Integrated Reg. Water Mgt Plan	0.00	5,000.00	0.0%	-3,564.00	5,000.00	28.7%	1,436.00	5,000.00	28.7%
6000 - SPECIAL PROJECTS									
6082 - SCADA	0.00	42,000.00	0.0%	-39,991.67	42,000.00	4.8%	2,008.33	42,000.00	4.8%
6090 - COMB Office Building	0.00	4,000.00	0.0%	-3,227.31	4,000.00	19.3%	772.69	4,000.00	19.3%
6096 - SCC Structure Rehabilitation	0.00	257,985.00	0.0%	-235,282.44	257,985.00	8.8%	22,702.56	257,985.00	8.8%
6096-1 - SCC Str Rehab C/O Funds FY 2014	0.00	-107,985.00	0.0%	107,985.00	-107,985.00	0.0%	0.00	107,985.00	0.0%
6097 - GIS and Mapping	0.00	11,522.00	0.0%	1,522.00	10,000.00	115.2%	11,522.00	10,000.00	115.2%
6105 - ROW Management Program	0.00	2,039.00	0.0%	-7,961.00	10,000.00	20.4%	2,039.00	10,000.00	20.4%
6107 - North Portal Elevator Rehab	0.00	276,546.00	0.0%	-39,926.00	276,546.00	85.6%	236,620.00	276,546.00	85.6%
6107-1 - NP Elev Rehab C/O Funds FY 2014	0.00	-276,546.00	0.0%	276,546.00	-276,546.00	0.0%	0.00	276,546.00	0.0%
6108 - Drought Contingency Planning	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6108-1 - Dr Cont Plan C/O Funds FY 2014	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6109 - NP Jet Flow Control Valve	0.00	150,000.00	0.0%	-73,811.00	150,000.00	50.8%	76,189.00	150,000.00	50.8%
6112 - Open Air Vent Structure	0.00	70,000.00	0.0%	-70,000.00	70,000.00	0.0%	0.00	70,000.00	0.0%
6116 - V-Ditch Clean Up Project-W/R	0.00	30,000.00	0.0%	-30,000.00	30,000.00	0.0%	0.00	30,000.00	0.0%
6117 - Sheffield Paving Project	0.00	30,000.00	0.0%	-30,000.00	30,000.00	0.0%	0.00	30,000.00	0.0%
6119 - Intake Tower Stems & Guides	0.00	250,000.00	0.0%	-250,000.00	250,000.00	0.0%	0.00	250,000.00	0.0%
6120 - Emergency Pumping Fac Project	0.00	4,708,000.00	0.0%	-945,266.52	4,708,000.00	79.9%	3,762,733.48	4,708,000.00	79.9%
Total 6000 - SPECIAL PROJECTS	0.00	5,454,000.00	0.0%	-1,339,412.94	5,454,000.00	75.4%	4,114,587.06	5,454,000.00	75.4%
6200 - FISHERIES ACTIVITIES									
6201 - FMP Implementation	6,851.43	100,000.00	6.9%	0.00	100,000.00	6.9%	6,851.43	100,000.00	6.9%
6202 - GIS and Mapping	8,775.23	10,000.00	87.8%	0.00	10,000.00	87.8%	8,775.23	10,000.00	87.8%
6203 - Grants Technical Support	0.00	10,000.00	0.0%	-10,000.00	10,000.00	0.0%	0.00	10,000.00	0.0%
6204 - SYR Hydrology Technical Support	478.49	10,000.00	4.8%	0.00	10,000.00	4.8%	478.49	10,000.00	4.8%
6205 - USGS Stream Gauge Program	55,825.00	77,000.00	72.5%	0.00	77,000.00	72.5%	55,825.00	77,000.00	72.5%
6206 - Tri County Fish Team Funding	0.00	5,000.00	0.0%	-5,000.00	5,000.00	0.0%	0.00	5,000.00	0.0%
6207 - Oak Tree Restoration Program	40,416.20	100,000.00	40.4%	0.00	100,000.00	40.4%	40,416.20	100,000.00	40.4%
6211 - SYR RiverWare Model Use	0.00	5,000.00	0.0%	-5,000.00	5,000.00	0.0%	0.00	5,000.00	0.0%
Total 6200 - FISHERIES ACTIVITIES	112,346.35	317,000.00	35.4%	0.00	317,000.00	35.4%	112,346.35	317,000.00	35.4%
6300 - HABITAT ENHANCEMENT									
6303 - Tributary Projects Support	3,988.40	5,000.00	79.8%	0.00	5,000.00	79.8%	3,988.40	5,000.00	79.8%
6312 - Quiota Creek Crossing 0 (a&b)	23,293.70	40,000.00	58.2%	0.00	40,000.00	58.2%	23,293.70	40,000.00	58.2%
6313 - Quiota Creek Crossing 3	1,443.70	30,000.00	4.8%	0.00	30,000.00	4.8%	1,443.70	30,000.00	4.8%
6314 - Quiota Creek Crossing 4	18,924.58	30,000.00	63.1%	0.00	30,000.00	63.1%	18,924.58	30,000.00	63.1%
6315 - Quiota Creek Crossing 8	0.00	30,000.00	0.0%	0.00	30,000.00	0.0%	0.00	30,000.00	0.0%
Total 6300 - HABITAT ENHANCEMENT	47,650.38	135,000.00	35.3%	0.00	135,000.00	35.3%	47,650.38	135,000.00	35.3%
6007 - INTEREST EXPENSE-EFPF	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
Total Expense	871,234.24	1,488,148.00	58.5%	-2,018,470.55	7,427,679.00	72.8%	6,289,442.69	8,915,827.00	70.4%
Total Income	220,904.53	0.00	100.0%	-516,971.55	0.00	100.0%	-296,067.02	0.00	100.0%

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

www.treasurer.ca.gov/pmia-laif/laif.asp
 April 08, 2015

CACHUMA OPERATION AND MAINTENANCE BOARD

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

PMIA Average Monthly Yields



Tran Type Definitions

March 2015 Statement

Account Summary

Total Deposit:	0.00	Beginning Balance:	1,153,897.96
Total Withdrawal:	0.00	Ending Balance:	1,153,897.96

MEMO TO: Board of Directors
 Cachuma Operation & Maintenance Board

FROM: Randall Ward, Secretary

SUBJECT: COMB INVESTMENT POLICY

The above statement of investment activity for the month of MARCH, 2015, 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.

Randall Ward
 Secretary



THE BANK of Santa Barbara

12 East Figueroa Street, Santa Barbara, CA 93101
Tel: 805.730.7860 WWW.BANKOFSANTABARBARA.COM

008 00001 00 PAGE: 1
ACCOUNT: XXXXXXXXXXXX1543 03/31/2015
DOCUMENTS: 0



CACHUMA OPERATION AND MAINTENANCE BOARD
WARREN ACT TRUST FUND ACCOUNT 30
3301 LAUREL CANYON RD 0
SANTA BARBARA CA 93105 0

Protecting Your Identity The Bank of Santa Barbara will never ask for personal information (such as your account number, social security number, password, or PIN) in an email or send you any email with a link to a website that asks for any such information. For additional information on how to protect yourself from Fraud visit the bank s website www.bankofsantabarbara.com or contact the bank at 805.730.7860

BASIC BUSINESS CHECKING ACCOUNT XXXXXXXXXXXX1543

		LAST STATEMENT 02/27/15	108,930.52
MINIMUM BALANCE	108,930.52	CREDITS	.00
AVG AVAILABLE BALANCE	108,930.52	DEBITS	.00
AVERAGE BALANCE	108,930.52	THIS STATEMENT 03/31/15	108,930.52

MEMO TO: Board of Directors
Cachuma Operation & Maintenance Board

FROM: Randall Ward, Secretary

SUBJECT: COMB INVESTMENT POLICY

The above statement of investment activity for the month of MARCH, 2015, 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 Bank of Santa Barbara investments of this agency for the period indicated.

Randall Ward

Secretary



12 East Figueroa Street, Santa Barbara, CA 93101
 Tel: 805.730.7860 WWW.BANKOFSANTABARBARA.COM

008 00001 00 PAGE: 1
 ACCOUNT: XXXXXXXXXXXX1530 03/31/2015
 DOCUMENTS: 1



CACHUMA OPERATION AND MAINTENANCE BOARD
 RENEWAL FUND ACCOUNT 30
 3301 LAUREL CANYON RD 0
 SANTA BARBARA CA 93105 1

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 Protecting Your Identity The Bank of Santa Barbara will never ask for
 personal information (such as your account number, social security number,
 password, or PIN) in an email or send you any email with a link to a
 website that asks for any such information. For additional information on
 how to protect yourself from Fraud visit the bank s website
 www.bankofsantabarbara.com or contact the bank at 805.730.7860 *

=====
 BASIC BUSINESS CHECKING ACCOUNT XXXXXXXXXXXX1530
 =====

		LAST STATEMENT 02/27/15	148,159.98
MINIMUM BALANCE	109,634.45	CREDITS	.00
AVG AVAILABLE BALANCE	125,285.44	1 DEBITS	38,525.53
AVERAGE BALANCE	125,285.44	THIS STATEMENT 03/31/15	109,634.45

----- CHECKS -----
 CHECK #..DATE.....AMOUNT CHECK #..DATE.....AMOUNT CHECK #..DATE.....AMOUNT
 03/13 38,525.53

MEMO TO: Board of Directors
 Cachuma Operation & Maintenance Board

FROM: Randall Ward, Secretary

SUBJECT: COMB INVESTMENT POLICY

The above statement of investment activity for the month of MARCH, 2015, 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 Bank of Santa Barbara investments of this agency for the period indicated.

Randall Ward
 Secretary

comb2
Payment of Claims
As of March 31, 2015

Date	Num	Name	Memo	Amount
1050 - GENERAL FUND				
03/05/2015	23504	A-1 Truck & Equipment	Tow package Chev 3500/Crane F-350 repair/winch/cable Crane F-350 & F-550 inspections	-3,080.54
03/05/2015	23505	Acorn Landscape Management Co.	Scheduled mtce-Lauro yard-Final	-260.77
03/05/2015	23506	ACWA/Joint Powers Insurance Authority	Property Program renewal 4/1/15-4/1/16	-4,025.00
03/05/2015	23507	All Around Landscape Supply	Straw wattle/stakes-reservoirs (Ops Div)	-1,175.90
03/05/2015	23508	AMI Pipe and Supply, Inc.	Gas detector calibration mix (Ops Div)	-310.00
03/05/2015	23509	AT&T	Feb charges	-492.12
03/05/2015	23510	Bartlett, Pringle & Wolf, LLP	Single Audit services FY 13/14 (Fish Div)	-4,587.00
03/05/2015	23511	Big Brand Tire Company	Tire rotation/oil change-service '01 Chev (Fish Div)	-40.72
03/05/2015	23512	Business Card	Business lunches/Admin Analyst posting/banner for press conference/Salmonic Conf reg/water bottles for Operations crew	-728.23
03/05/2015	23513	City of Santa-Barbara	Trash/Recycle-Feb 2015	-216.17
03/05/2015	23514	Coastal Copy, LP	Copier mtce agmt	-64.94
03/05/2015	23515	County of SB-P.W. Water Agency	Prop 84 MOU Cost share	-890.00
03/05/2015	23516	Dale Francisco	Feb mtg fees	-398.31
03/05/2015	23517	ECHO Communications	Monthly answering service	-67.38
03/05/2015	23518	Farm Supply Company	Tree stakes-Oak tree program (Fish Div)	-2,015.56
03/05/2015	23519	GE Capital	Copier lease agmt	-133.92
03/05/2015	23520	Harrison Hardware	Couple hose shut off/gopher baskets/fencing/driver posts/ hoses/paint (Fish Div)	-3,830.68
03/05/2015	23521	Home Depot Credit Services	Vehicle mtce supp/insecticide/AVAR mat-supp (Ops Div)	-92.70
03/05/2015	23522	Hydrex Pest Control Co.	Pest service-Lauro yard	-108.00
03/05/2015	23523	Ian's Tire & Auto Repair	Tires/balancing-Chev 3500HD	-1,245.40
03/05/2015	23524	Island Seed and Feed, Inc.	Landscape mix/fertilizer-Oak tree program (Fish Div)	-72.98
03/05/2015	23525	J&C Services	Office cleaning-Feb services	-600.00
03/05/2015	23526	Kenneth A. Knight, Consulting	Consulting Arborist-Oak Tree program-Feb (Fish Div)	-1,300.00
03/05/2015	23527	Kevin D. Walsh	Feb mtg fees	-321.22
03/05/2015	23528	Lauren W. Hanson	Feb mtg fees	-401.25
03/05/2015	23529	MarBorg Industries	Portable toilets/monthly service	-328.37
03/05/2015	23530	Musick, Peeler & Garrett LLP	General Counsel-Jan	-19,356.40
03/05/2015	23531	Paychex, Inc.	2/13, 2/27 payrolls/taxes/deliveries	-325.37
03/05/2015	23532	Polly Holcombe	Feb fees	-288.54
03/05/2015	23533	Praxair Distribution, Inc	Cylinder rental (acetylene for welder)	-68.59
03/05/2015	23534	Prudential Overall Supply	Mats/scrapers-Feb	-100.56
03/05/2015	23535	Santa Barbara News Press	Administrative Analyst ad	-830.51
03/05/2015	23536	Santa Barbara Police Department	Renewal-Security Alarm (annual)	-40.00
03/05/2015	23537	SB Home Improvement Center	Cable ties-fish trapping materials (Fish Div)	-71.20
03/05/2015	23538	Staples Contract and Commercial, Inc.	Office supplies	-294.93
03/05/2015	23539	Staples Credit Plan	Fish tissue/scale envelopes (Fish Div)	-28.71
03/05/2015	23540	Tri-Co Reprographics	Copies-QC Xng 3 (Fish Div)	-59.44
03/05/2015	23541	Underground Service Alert of So. Calif.	41 Ticket charges	-61.50
03/05/2015	23542	Verizon California	SCADA	-504.49
03/05/2015	23543	W. Douglas Morgan	Feb mtg fees	-279.00
03/05/2015	23544	Wright Express Fleet Services	Fleet fuel	-1,433.50
03/05/2015	23545	Valley Compost & Topsoil, Inc.	Mulch/blended topsoil-Oak tree program (Fish Div)	-279.72
03/05/2015	23546	Gosnell Tree & Landscape, Inc.	Tree trimming work-Glen Anne Res (Ops Div)	-285.00
03/09/2015	23547	Association of Ca Water Agencies/JPIA	Apr Health Benefits coverage	-24,635.09
03/09/2015	23548	Coastal Copy, LP	Copier mtce agmt	-11.55
03/09/2015	23549	Cox Communications	Business internet-Mar	-195.00
03/09/2015	23550	Southern California Edison	Main office/outlying stations	-1,323.33
03/13/2015	23551	CIO Solutions, LP	Maintain IT-Mar	-1,895.74
03/13/2015	23552	Coastal Copy, LP	Copier mtce agmt	-206.44

comb2
Payment of Claims
 As of March 31, 2015

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
03/13/2015	23553	Culligan of Sylmar	Monthly RO system	-24.95
03/13/2015	23554	Cushman Contracting Corp.	Emerg Pumping System: Pay Req#10-Phase II	-349,570.68
03/13/2015	23555	Staples Contract and Commercial, Inc.	Office supplies	-447.41
03/13/2015	23556	Turenchalk Network Services, Inc.	Server hardware/licenses/Back up software/storage	-19,839.89
03/13/2015	23557	Verizon California	SCADA	-514.38
03/16/2015	23558	Curtiss-Wright	Parts for NP Jet flow gate valve (Ops Div)	-76,189.00
03/16/2015	23559	Southern California Edison	Outlying stations	-83.39
03/16/2015	23560	Spatial Wave	Apr-Jun 2015 Field Mapplet Software mtce (Ops Div)	-900.00
03/16/2015	23561	Staples Contract and Commercial, Inc.	Office supplies	-34.55
03/16/2015	23562	The Bank of Santa Barbara	Loan interest pymt #8-Mar	-3,969.73
03/16/2015	23563	Verizon Wireless	Cellular/modems/USB's (Ops & Fish Div)	-791.97
03/16/2015	23564	Capitol Elevator Company, Inc.	North Portal Elevator Rehab - Retention release	-11,831.00
03/18/2015	23565	Ben Meadows Company	Weather proof tags w/wires (Fish Div)	-133.71
03/18/2015	23566	Island Seed and Feed, Inc.	Landscape mix/fertilizer-Oak tree program (Fish Div)	-52.28
03/18/2015	23567	Peter Lapidus Construction, Inc.	Mobilization-backhoe Lake Cachuma to Lauro (Fish Div)	-330.00
03/18/2015	23568	United States Geological Survey	4th Qtr 2013 Agmt/1st Qtr 2014 Agmt	-37,287.50
03/25/2015	23569	ACWA/Joint Powers Insurance Authority	Employee Fidelity Program renewal 4/1/15-4/1/16	-1,186.00
03/25/2015	23570	Business Card	Business lunches/Posi trak belts-bearings/main office safety lights/webhosting/Hotel-SRF Conf (TR)	-1,385.45
03/25/2015	23571	GE Capital	Copier lease agmt	-355.32
03/25/2015	23572	Santa Barbara Concrete Cutting	Below grade vault wall core hole (Foothill & Toro Canyon)	-390.00
03/25/2015	23573	The Gas Company	Gas-main office	-48.56
03/25/2015	22886	Cushman Contracting Corp.	Emerg Pumping System: Pay Req#10-Phase II/Retention	-217,737.33
03/26/2015	23574	Coastal Copy, LP	Copier mtce agmt	-86.57
03/26/2015	23575	Valley Compost & Topsoil, Inc.	Mulch-Oak tree program (Fish Div)	-41.58
03/30/2015	23576	MCT Trailers	Water trailer-brakes/electrical/plugs/bearings (Fish Div)	-789.11
03/30/2015	23577	PG&E	North Portal/Teacolote tunnel electrical service	-302.01
Total 1050 - GENERAL FUND				<u>-803,684.14</u>
TOTAL				<u>-803,684.14</u>

10:37 AM
04/14/15
Accrual Basis

comb2
Payment of Claims-Renewal Fund
March 2015

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
Mar 15 03/13/2015	3019	Cachuma Oper & Maint Board	Jan-Feb Oak Tree prog/Fisheries-QC Xng exp's	-38,525.53
Mar 15				<u><u>-38,525.53</u></u>

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	April 27, 2015
Submitted by:	Tim Robinson and Scott Volan
Approved by:	Randy Ward

SUBJECT: Lake Cachuma Oak Tree Restoration Program

SUMMARY:

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since the beginning of this Fiscal Year (7/1/14 – 4/21/15, Table 1). Labor and expenses for the entire fiscal year (July 2014 - June 2015) as well as water usage will be tracked separately but not reported as recommended by the COMB Board Lake Cachuma Oak Tree Committee. COMB staff continues to rely on the Fisheries Division seasonal employees to conduct the majority of oak tree work in the field. The annual oak tree inventory began in November and all associated fieldwork relating to this task has been completed. The results of the annual oak tree inventory will be presented to the Lake Cachuma Oak Tree Committee at the next meeting. The inventory of the Year 7 trees is now under way since the planting has ended.

Table 1: Cachuma Oak Tree Program completed tasks since 7/1/14.

	July 2014 *	August*	Sept 2014**	Oct 2014	Nov 2014***	Dec 2014***	Jan 2015***	Feb 2015***	Mar 2015***	April 2015
Year 7 Oaks (2014-2015)						New Trees Gopher Baskets Fertilizer/Compost Deer Cages Mulched/Irrigated	New Trees Gopher Baskets Fertilizer/Compost Deer Cages Mulched/Irrigated	New Trees Gopher Baskets Fertilizer/Compost Deer Cages Mulched/Irrigated	New Trees Gopher Baskets Fertilizer/Compost Deer Cages Mulched/Irrigated	Irrigated Weeded
Year 6 Oaks (2010-2011)			Irrigated Hand weeded Cage maint.							
Year 5 Oaks (2009-2010)				Irrigated		Cage maint.				
Year 4 Oaks (2008-2009)	Cage maint.			Irrigated						
Year 3 Oaks (2007-2008)	Cage maint.			Irrigated						
Year 2 Oaks (2006-2007)			Irrigated Hand weeded Cage maint.							
Year 1 Oaks (2005-2006)			Irrigated Hand weeded Cage maint.							

*Lakeshore inventory began in July and continued into August
 **Sept and Oct watering at Year 1 and Year 2 included trees under 3' in height and all valley oaks
 ***November through February work included annual oak tree inventory

The planting of new oak trees (Year 7) during the winter of 2015 has been completed, with 900 planted. Trees were planted at an approximate ratio of 90% Coast Live Oaks and 10% Valley Oaks. The Fisheries Division has already completed 2 full rounds of irrigation on the new oak trees, and will continue watering throughout the spring and summer to ensure maximum survival of the new trees. In April and May, the California Conservation Corps (CCC) has and will assist in weed whacking and hand weeding the new oak trees (Year 7) (Exhibit A). The CCC has and will also help in clearing all the access roads (including where

the water trailer will be used) of tall grasses. This effort is necessary for fire prevention, as hot vehicles traveling through tall brush can ignite fires from tailpipes.

FINANCIAL IMPACT: Tracked but not included.

LEGAL CONCURRENCE: N/A

ENVIRONMENTAL COMPLIANCE: N/A

COMMITTEE STATUS: N/A

RECOMMENDATION: For Board information only.

LIST OF EXHIBITS:

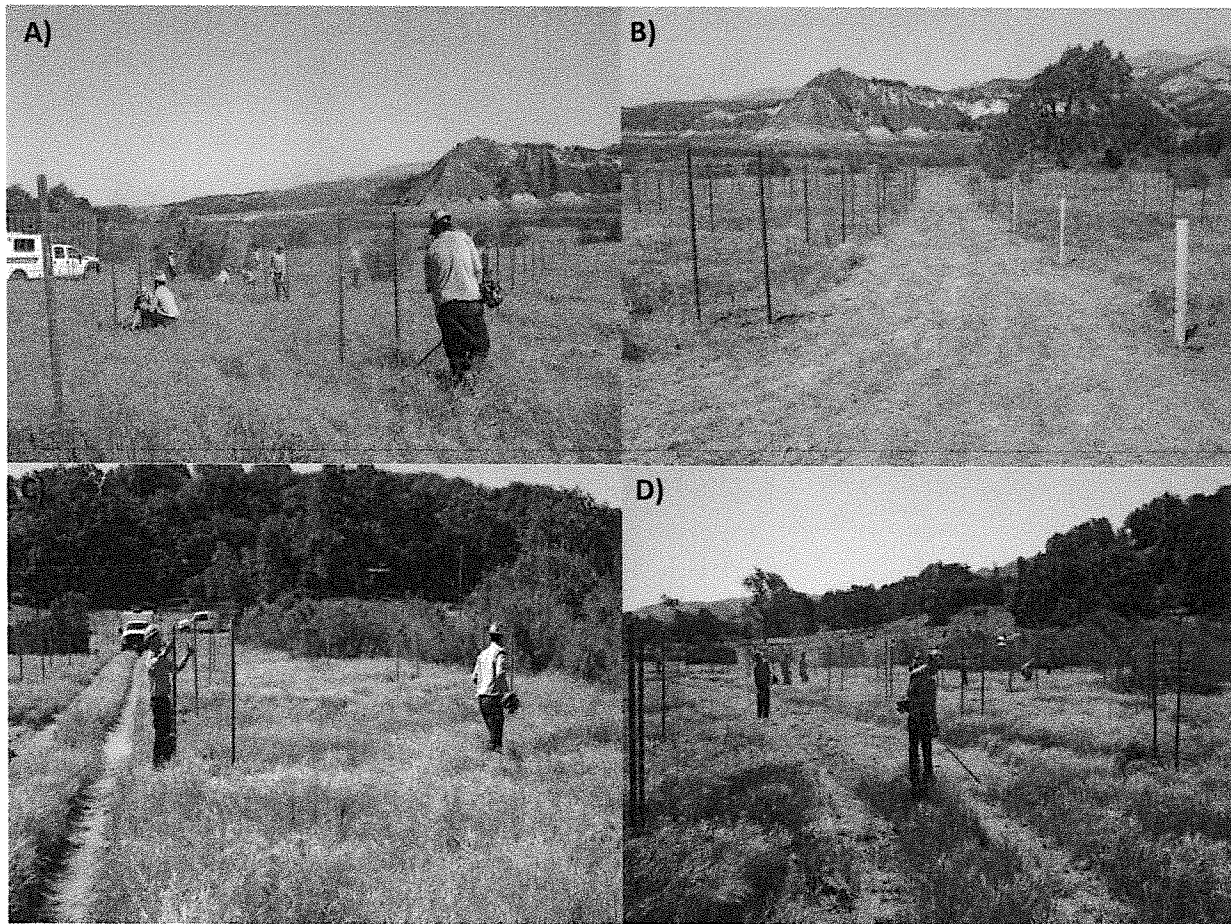


Exhibit A: Lake Cachuma Oak Tree Restoration Program CCC crew at Storke Flat showing a) weed whacking and hand weeding, b) cleared access road, c) more weeding, and d) clearing water trailer access road.

CACHUMA OPERATION AND MAINTENANCE BOARD

BOARD MEMORANDUM

DATE: April 27, 2015
TO: Randy Ward, General Manager
FROM: Tim Robinson, Fisheries Division Manager
RE: MONTHLY FISHERIES DIVISION REPORT

HIGHLIGHTS:

- Further design work continues for the pending Quiota Creek Crossing 0a+0b and Crossing 3 projects.
- The CalTrans grant proposal process is well underway for Quiota Creek Crossing 8 which will be a collaborative effort with the County of Santa Barbara.
- Hilton Creek Emergency Backup System needs to be tested once all the electrical work has been completed; completion and test dates are uncertain.

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

LSYR Steelhead Monitoring Elements:

Lake Profiles: Lake Cachuma water quality measurements (temperature, dissolved oxygen concentration and total dissolved solids) at one meter intervals from the surface to the bottom of the lake (Lake Profile) are taken once a month normally from April through December at the Hilton Creek Watering System (HCWS) intake barge. This is considered to be at or near the deepest point in the lake and allows for monitoring of lake stratification, water quality conditions at the intake level for the HCWS and lake-turnover. Due to the drought and need to carefully monitor Lake Cachuma, lake profiles will be taken monthly throughout the year for the unforeseeable future.

Migrant Trapping: This monitoring effort normally begins in January and continues through May depending on stream flow rates. The 2015 Trapping Plan was approved by Reclamation and submitted to NMFS with no comments received. Due to an excessively dry year and limitations in the number of juvenile and adult take as stipulated in the Cachuma Project BO, a reduced trapping program began on 3/10/15 and will continue until the take limits are reached or the end of the migration season. Results of the trapping program are presented in the Annual Monitoring Report.

Redd Surveys: Redd surveys are conducted every two weeks from mid-January through May. Surveys were initiated in January within the LSYR mainstem in the Highway 154, Refugio, and Alisal reaches where access was permitted, and certain sections of Hilton,

Quiota, and Salsipuedes/El Jaro creeks. The number of redds is reported in the Annual Monitoring Plan.

Cachuma Lake Oak Tree Restoration Program: COMB staff, with guidance from the hired professional arborist, continues to implement the Program and has successfully conducted all management actions as required. An update of the project is provided in a separate Board memo including the new trees (Year 7) that are currently being planted.

Tributary Project Updates:

Quiota Creek Crossing 0: COMB received a 2014 CDFW-FRGP Grant for \$671,635 with a landowner construction match of \$50,000. The COMB Board accepted the grant on 3/23/15. Staff has met with the landowners and with help of our design engineer is revising the plans accordingly. Once all are in agreement on the design, they will then be submitted to NMFS/CDFW for their review. The permit process has begun. The objective is to build the project in the fall of 2015. The project was discussed at the 3/5/15 Fisheries Committee meeting.

Quiota Creek Crossing 3: COMB received a 2014 CDFW-FRGP Grant for \$705,205 with a COMB construction match of \$50,000. The COMB Board accepted the grant on 3/23/15. The designs have been submitted to the County for their review with designs going to NMFS/CDFW shortly. Permits applications are under way. The objective is to build the project in the fall of 2015. The project was discussed at the 3/5/15 Fisheries Committee meeting.

Quiota Creek Crossing 4: COMB submitted a 2015 CDFW-FRGP Grant on 3/30/15 for \$938,295 with a COMB construction match of \$50,000. The results of that funding competition will be announced in the winter of 2016. The project was discussed at the 3/5/15 Fisheries Committee.

Quiota Creek Crossing 8: In collaboration with SB County and a hired consultant, we have started the CalTrans grant proposal process which is lengthy with many steps. Grants are reviewed upon submittal hence the process will be slow at first and then the results should be back in a shorter period of time compared to other grant programs. The project was discussed during the 3/5/15 Fisheries Committee meeting.

Salsipuedes Creek – Jalama Road Fish Ladder: There has been no action on the suggested repairs to this project.

El Jaro Creek – Cross Creek Ranch Fish Passage Facility: There has been no action on the suggested repairs to this project.

Hilton Creek Watering System (HCWS) Repairs and Upgrades

The HCWS is owned, operated and maintained by USBR. The following repairs and upgrades have been identified by USBR with the status of each (Table 1). The electrical work is nearing completion and system testing is pending with no date set.

Table 1: List of HCWS repairs and upgrades as reviewed by USBR Management on 4/21/15.

#	Tasks	Status:
1	Run a watering truck to LRP for 10 hrs/day until Pumps #1+2 are operational	Completed - 5/30/14 thru 6/10/14
2	Replace failed Pump #1 on HCWS Pumping Barge	Completed - 6/9/14
3	Conduct repairs on Pump #2 on HCWS Pumping Barge	Completed - 6/10/14
	Install temporary HC Emergency Backup System (HCEBS) at Bradbury Dam Outlet Works:	
4	Receive contractor bids	Completed (2 rounds)
5	Issue a contract and a Notice to Proceed letter	Completed - contract issued on 9/3/14
6	Install steel riser pipe off of the 10" release valve at Outlet Works (USBR)	Completed - 6/20/14
7	Construct the HCEBS	Pending (started 12/1/14 + estimated completion 6/30/15) Electrical controllers and testing still needed
	Work to be completed once the HCEBS is installed:	
8	Provide low flow delivery (~1.5 cfs) to HC to accommodate < 30,000 af of storage	Pending (completion of the HCEBS)
9	Finalize all needed modifications to Pumps #1+2	Pending (completion of the HCEBS)
10	Upgrade current Motor Control (electrical panel) to assure no power interruption to Pumping Barge	Pending (completion of the HCEBS)
11	General top of Dam electrical and SCADA upgrades	Pending (completion of the HCEBS)
12	Repair the 3 leaky valves at the Outlet works	Valve sealing done in December, improved not perfect, work in progress
13	Negotiate a solution for independent CCWA delivery without connecting to the Outlet	CCWA, USBR, MUs +SYRWCD to address
14	Install permanent Hilton Creek Backup Delivery System (HCBDS) from the Outlet Works	In preliminary design phase (2016 +/-)

Surcharge Water Accounting

The following table summarizes the amount of Surcharge water used to date from each of the three accounts at the end of last month (Table 2). All numbers come from USBR's Daily Operations Report. The start time for the use of the Surcharge Water Accounts was 5/27/11, or the last day of full surcharge. As of May 2012, all of the Fish Rearing Account waters have been used and we are now using Project Yield to meet BO target flows. A WR 89-18 release began on 7/15/13 at 8:15 AM and ended on 12/2/13 at 2:00 PM and another WR 89-18 release began on 8/18/14 and ended on 11/11/14 at 8:00 AM. During these releases, no Fish Rearing releases are debited as WR 89-18 releases are used conjunctively with fish flows under the Cachuma Project Settlement Agreement. The Adaptive Management Committee (AMC) called for two release from the Adaptive Management Account (AMA), 35 acre-feet in October 2012 and 114 acre-feet in June 2013. What remains of the AMA is 351 acre-feet. There have been no releases from the Fish Passage Supplementation Account. Determination of critical drought and the associated accounting has not been finalized and is not reflected in Table 2.

Table 2: Summary of the surcharge water accounting and use of Project Yield.

Accounts*	Allocation	Amount Used**	Amount Remaining
Units:	(acre-feet)	(acre-feet)	(acre-feet)
Fish Passage Supplementation	3,200	0	3,200
Adaptive Management	500	149	351
Fish Rearing***	5,484	5,484	0
Project Yield		12,160	
Total:	9,184	17,793	3,551
* Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013.			
** Values as of 3/31/15.			
*** This water is for meeting required target flows. This is not an official account and is what remains after subtracting the other two accounts.			

Reporting / Outreach / Training

Reporting: Staff is working on the 2012 and 2013 Annual Monitoring Reports that will be sent to the Science Review Team as soon as possible.

Outreach and Training: Staff continues to work with Quiota Creek and Salsipuedes Creek watershed landowners, interested parties within the Santa Ynez Valley and the County on a variety of fisheries related issues.

Consultant Activity Summary

HDR Fisheries Design Center (Mike Garelo) – Design work for the Quiota Creek Crossings 0, 3, 4 and 8 projects.

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

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

COM3 Consulting (Gerald Comati) – Quiota Creek Crossing 8 CalTrans grant application.

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: April 27, 2015
TO: Randall Ward, General Manager
FROM: Dave Stewart, Operations Division Manager
RE: MONTHLY OPERATIONS DIVISION REPORT

Operations

The Annual Work Plan sets forth those activities necessary to ensure system reliability. Consistent with the Plan, Operation and Maintenance staff performs routine maintenance on the distribution and storage system. Staff continually endeavors to improve the system, address deficiencies and identify items to be included in the Infrastructure Improvement Program (IIP).

Lake Cachuma Operations

The total flow from Lake Cachuma into the Tecolote Tunnel for March was 1303.5 acre-feet, for an average daily flow of 42.04 acre-feet. Lake elevation was 688.15 feet at the beginning of the month and 687.73 feet at the end. Storage change decreased 564 acre-feet. CCWA wheeled 1277.7 acre-feet of water to Cachuma Project facilities.

Operation and Maintenance Activities

COMB Staff regularly performs the following duties:

- Weekly Safety Meetings
- Weekly Rodent Bait (All Reservoirs)
- Weekly Toe Drain and Piezometer reads at Ortega (L23)
- Dam inspection and reports (All Reservoirs)
- Structure Maintenance per Work Plan
- USA Dig Alert – Responded as necessary to alerts
- Pesticide report to County of Santa Barbara
- Operational tests of generators at the North Portal and at Lauro Yard
- Inspection of Fire Extinguishers
- Read Anodes and Rectifier Data
- Water Samples taken at Lake Cachuma
- Meter Calibration and flushing performed on all Venturi Meters

Weekly Safety Meetings:

The purpose of the weekly safety meetings is to continue education of staff on safe practices in the field and on-site. In these safety meetings, staff is urged to ask questions about the topic being discussed and think of examples related to the topic. Discussion includes how the incident

could have been prevented. Regular safety meetings help staff to constantly have safety on their mind. The following topics were reviewed this past month:

- ✓ Stroke risk, brain damage, and death
- ✓ A burning issue; fire prevention
- ✓ Safe fuel handling practices
- ✓ 2015 Fire season outlook

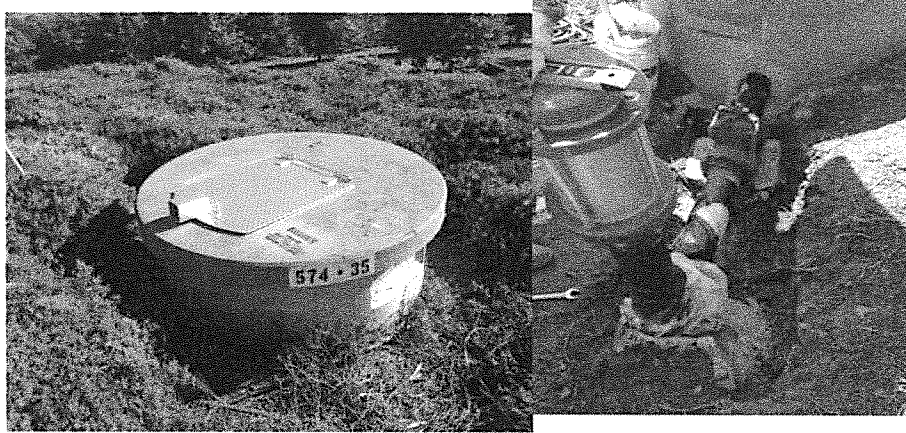
COMB Crew specifically performed the following activities:

- Operations staff has undertaken the responsibilities of pest control around the COMB offices/buildings which was previously contracted out to Hydrex Pest Control. Applications of insecticide will be done on a bi-monthly basis.
- COMB staff has assumed the responsibilities of landscaping around Lauro yard and offices which, previously contracted out to Acorn Landscaping. Landscaping will be performed on a bi-monthly basis.
- Two Air Vacuum Air Release (AVAR) Valves were rehabilitated to meet updated standards. These AVAR's are in the lower (Carpinteria) section of the SCC (photos below). These AVAR's are included in the USBR Category 1 recommendations.
- Staff cleaned valve pits at Ortega Reservoir, Lauro Reservoir, Carpinteria Reservoir, and Sheffield Control Station in preparation of forecasted rainfall.
- Operations staff performed weed abatement around Lauro Yard and Reservoir. This task involves knocking down vegetation and applying an herbicide to the remainder of the vegetation, reducing the amount of visits to the site, and physical labor of personnel.
- COMB staff performed weed abatement around the Glen Anne site and Reservoir. This task involves knocking down vegetation and applying an herbicide to the remainder of the vegetation. The goal is to reduce the amount of site visits and deployment of personnel. Weed abatement is done to maintain mandatory fire breaks required by the County of Santa Barbara, and also for ease of maintenance and/or emergency operations. COMB staff is responsible for maintenance of approximately 8 acres of land on a site of approximately 32 acres.
- COMB staff performed weed abatement at the Carpinteria Reservoir site. The task involved knocking down vegetation and applying an herbicide to the remainder of the vegetation. The goal is to reduce the amount of site visits and deployment of personnel.
- COMB staff performed weed abatement at the Ortega Reservoir site. This task involves knocking down vegetation and applying an herbicide to the remainder of the vegetation. The goal is to reduce the amount of site visits and deployment of personnel.
- COMB staff replaced a section of "blow off" piping that releases water in maintenance, as well as emergency operations of the SCC. The blow off piping needed to be extended into a storm drain system to prevent erosion to the hillside where the blow off structure is located, and prevent erosion to the access road (photos below).
- The Operations Division contracted a technician from Frisch Engineering, Inc. to conduct an overview of the Supervisory Control and Data Acquisition (SCADA) control system and report any recommendations and/or suggested changes to the operating system.
- COMB staff replaced a battery in the back-up generator at the North Portal site. Immediate back-up power is necessary to ensure valve control operation during a power outage.

Additionally, Operations staff has been involved in activities related to the EPFP, IIP, and investigation of the Lower Reach AVAR conditions.

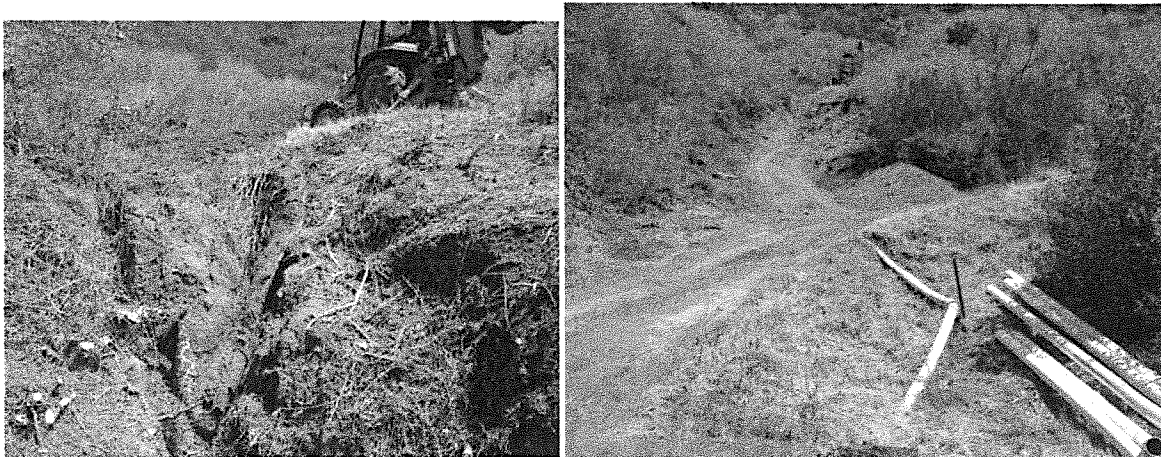
Pictures

AVAR rehab. Stn. 574+35 (before and after)

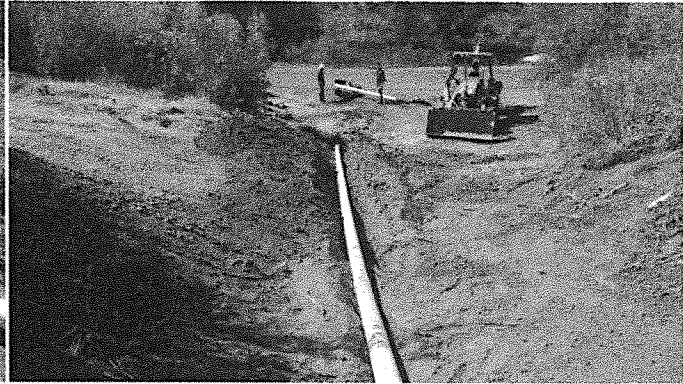
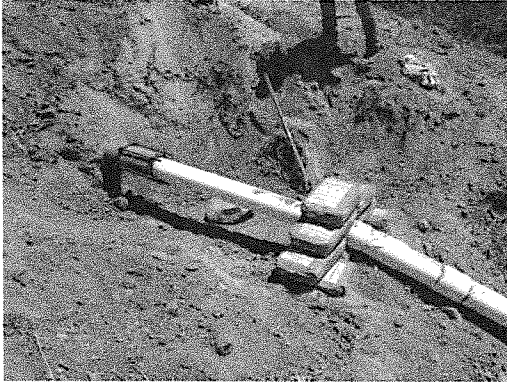


"Blow Off" piping repair/ install (before and after)

Before



After



14-15 ENTITLEMENT

CACHUMA OPERATION AND MAINTENANCE BOARD
 WATER PRODUCTION AND WATER USE REPORT
 FOR THE MONTH OF MARCH 2015 AND THE WATER YEAR TO DATE

Revised

(All in rounded Acre Feet)

	MONTH				YTD	
	TOTAL				TOTAL	
WATER PRODUCTION:						
Cachuma Lake (Tec. Diversion)				1,304		7,248
Tecolote Tunnel Infiltration				127		782
Glen Anne Reservoir				0		0
Cachuma Lake (County Park)				2		10
State Water Diversion Credit				1,234		4,433
Bishop Ranch Diversion				0		100
Meter Reads				92		3,122
So. Coast Storage gain/(loss)				14		(51)
Total Production				1,433		8,041
Total Deliveries				1,341		7,604
Unaccounted-for				91		437
% Unaccounted-for				6.39%		5.43%
	GWD	SB CITY	MWD	CVWD	SYRWCD	TOTAL
WATER USE:					I.D. #1	
M&I	0	90	0	0	2	92
Agricultural	0	0	0	0	0	0
TOTAL FOR MONTH	0	90	0	0	2	92
Same Mo/prev. yr	0	479	0	95	1	575
M&I Yr to date	1,100	977	0	220	11	2,308
Ag. Yr to date	443	0	0	263	0	706
TOTAL YTD	1,543	977	0	483	11	3,014
USAGE % YTD	23.4%	15.7%	4.5%	26.8%	3.9%	15.9%
Previous Year/YTD	3,322	4,961	1,126	1,242	15	10,666
Evaporation	21	39	48	1	25	134
Evaporation, YTD	108	160	168	13	88	537
Entitlement ***	4,195	3,725	1,193	1,266	1,193	11,572
Carryover	2,819	3,188	2,778	564	1,457	10,806
Carryover Balances Spilled YTD	0	0	0	0	0	0
Surplus^^	0	0	0	0	0	0
State Water Exchange^	42	28	28	19	(117)	0
Transfers/Adjustment #	0	297	(297)	0	0	0
Passthrough H2O**	0	0	0	0	0	0
TOTAL AVAILABLE	7,056	7,238	3,702	1,849	2,533	22,378
REMAINING BALANCE	5,405	6,101	3,534	1,353	2,434	18,827

*** MU's agreed to 55% reduction of normal (25,714 AF) entitlement

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

State Water Deliveries for March to Lake Cachuma were: MWD 282 AF; CVWD 170 AF
 GWD 462 AF (Morehart 2 AF); City of S.B. 363 AF; and LaCumbre 0 AF: (Ratheon 5 AF).

^ Per SWP Exchange Agrmt GWD received 42 AF; MWD received 28 AF;
 City of SB received 28 AF; and CVWD received 19 AF from ID#1 in March 2015.

Juncal transfer to City per annual agreement

CACHUMA OPERATION AND MAINTENANCE BOARD
WATER STORAGE REPORT

MONTH: **March 2015**

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	339.60 Feet
Water in Storage	45.28 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	449.00 Feet
Water in Storage	29.30 Acre Feet

CARPINTERIA RESERVOIR

Capacity at 384' elevation:	45 Acre Feet
Capacity at outlet elevation 362':	0 Acre Feet
Stage of Reservoir Elevation	373.80 Feet
Water in Storage	20.92 Acre Feet

TOTAL STORAGE IN RESERVOIRS

	581.74 Acre Feet
Change in Storage	14.14 Acre Feet

CACHUMA RESERVOIR*

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

Stage of Reservoir Elevation	687.73 Feet
Water in Storage	56,288 AF
Surface Area	1,375
Evaporation	566.2 AF
Inflow	266.9 AF
Downstream Release WR8918	0.0 AF
Fish Release (Hilton Creek)	248.6 AF
Outlet	0.0 AF
Spill/Seismic Release	0 AF
State Project Water	1277.7 AF
Change in Storage	-564 AF
Tecolote Diversion	1,303.5 AF

Rainfall: **Month:** 0.08 **Season:** 8.16 **Percent of Normal:** 45%

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

Contract Year: 10/1/14 to: 9/30/15

Contract Entity: **Carpinteria Valley Water District**
 Last updated by C.O.M.B. 3/31/15

Month	Approved Schedule Current Year	Carryover Previous Year	TOTAL WATER USED			WATER USED CHARGED TO CARRYOVER BALANCES						WATER USED CHARGED TO CURRENT ENTITLEMENT		
			Acre-feet			Acre-feet			Allocation			Acre-feet		
			M & I	Agr	Total	Evap	Div	Total	M & I	Agr		M & I	Agr	Total
Oct	1266	564	116	160	276	9	276	285	120	165	0	0	0	
Nov			74	81	155	3	155	158	75	82	0	0	0	
Dec			25	18	43	0	43	43	25	18	0	0	0	
Jan			3	2	5	0	5	6	3	2	0	0	0	
Feb			2	2	4	1	4	4	2	2	0	0	0	
Mar			0	0	0	1	0	1	0	1	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	1266	564	220	263	483									

STORAGE WATER		CONVERSIONS		CURRENT SCHEDULE		Month
M & I	Agr	M & I	Agr	M & I	Agr	
108	-108	0	0	0	0	Oct
75	-75	0	0	0	0	Nov
25	-25	0	0	0	0	Dec
3	-3	0	0	0	0	Jan
2	-2	0	0	0	0	Feb
0	0	0	0	0	0	Mar
						Apr
						May
						Jun
						Jul
						Aug
						Sep

	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	M&I	AG	M&I	AG	Total
Begin Bal	564	12	552	633	633	1,266
						0
						0
						0
						0
						0
ID#1 Ex +19				9	10	19
						0
						0
						0
						0
						0
						0

Month	REMAINING BALANCES					
	Total	M&I	AG	M&I	AG	Total
Oct	279	0	279	633	633	1266
Nov	121	0	122	633	633	1266
Dec	78	0	79	633	633	1266
Jan	72	0	74	633	633	1266
Feb	68	0	70	633	633	1266
Mar	67	0	69	642	643	1285
Apr						
May						
Jun						
Jul						
Aug						
Sep						

TOTAL 1,352

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

Revised

Contract Year: 10/1/14 to: 9/30/15

Contract Entity: Goleta Water District
 Last updated by C.O.M.B. 3/31/15

Month	Approved Schedule Current Year	Carryover Previous Year	TOTAL WATER USED Acre-feet			WATER USED CHARGED TO CARRYOVER BALANCES Acre-feet					WATER USED CHARGED TO CURRENT ENTITLEMENT Acre-feet		
			M & I	Agr	Total	Evap	Div	Total	Allocation		M & I	Agr	Total
									M & I	Agr			
Oct	4195	2819	587	236	803	47	803	850	600	250	0	0	0
Nov			423	172	596	18	596	613	436	178	0	0	0
Dec			110	35	145	5	145	150	114	37	0	0	0
Jan			0	0	0	6	0	6	5	1	0	0	0
Feb			0	0	0	11	0	11	8	3	0	0	0
Mar			0	0	0	21	0	21	15	6	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	4195	2819	1,100	444	1,544								

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

	SCHEDULES AND REVISIONS					
	Total	M&I	AG	M&I	AG	Total
Begin Bal	2,819	2,142	677	2,935	1,260	4,195
						0
						0
						0
						0
ID#1 Ex +42				36	6	42
						0
						0
						0
						0
						0
						0
						0

Month	REMAINING BALANCES					
	Total	M&I	AG	M&I	AG	Total
Oct	1969	1542	427	2935	1260	4195
Nov	1356	1106	249	2935	1260	4195
Dec	1206	992	212	2935	1260	4195
Jan	1200	987	211	2935	1260	4195
Feb	1189	979	208	2935	1260	4195
Mar	1168	964	202	2971	1266	4237
Apr						
May						
Jun						
Jul						
Aug						
Sep						

TOTAL 5,405

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

Contract Year: 10/1/14 to: 9/30/15

Contract Entity: Montecito Water District
 Last updated by C.O.M.B. 3/31/15

Month	Approved Schedule Current Year	Carryover Previous Year	TOTAL WATER USED			WATER USED CHARGED TO CARRYOVER BALANCES					WATER USED CHARGED TO CURRENT ENTITLEMENT		
			Acre-feet			Acre-feet			Allocation		Acre-feet		
			M & I	Agr	total	Evap	Div	Total	M & I	Agr	M & I	Agr	Total
Oct	1193	2778	0	0	0	46	0	46	41	5	0	0	0
Nov			0	0	0	25	0	25	23	2	0	0	0
Dec			0	0	0	10	0	10	0	10	0	0	0
Jan			0	0	0	14	0	14	12	2	0	0	0
Feb			0	0	0	25	0	25	20	5	0	0	0
Mar			0	0	0	48	0	48	40	8	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	1193	2778	0	0	0								

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

	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	M & I	Agr	M & I	Agr	Total
Begin Bal	2,778	2,460	318	1,110	83	1,193
Juncal transfer to City				(297)		(297)
ID#1 Ex +28				25	3	28
						0
						0
						0
						0
						0
						0
						0

Month	REMAINING BALANCES					
	Total	M & I	Agr	M & I	Agr	Total
Oct	2,732	2,419	313	1,110	83	1,193
Nov	2,707	2,396	311	813	83	896
Dec	2697	2,396	301	813	83	896
Jan	2683	2,384	299	813	83	896
Feb	2658	2,364	294	813	83	896
Mar	2610	2,324	286	838	86	924
Apr						
May						
Jun						
Jul						
Aug						
Sep						

TOTAL 3,534

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

Revised

Contract Year: 10/1/14 to: 9/30/15

Contract Entity: City of Santa Barbara
 Last updated by C.O.M.B. 3/31/15

Month	Approved Schedule Current Year	Carryover Previous Year	TOTAL WATER USED Acre-feet			WATER USE CHARGED TO CARRYOVER BALANCES Acre-feet					WATER USE CHARGED TO CURRENT ENTITLEMENT Acre-feet			
			M & I	Agr	total	Allocation			M & I	Agr	Total	M & I	Agr	Total
						Evap	Div	Total						
Oct	3725	3188	337	0	337	53	337	390	390	0	0	0	0	0
Nov			193	0	193	25	193	218	218	0	0	0	0	0
Dec			210	0	210	10	210	220	220	0	0	0	0	0
Jan			142	0	142	13	142	155	155	0	0	0	0	0
Feb			0	0	0	20	0	20	20	0	0	0	0	0
Mar			90	0	90	39	90	130	130	0	0	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	3725	3188	972	0	972									

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

	SCHEDULE AND REVISIONS		Total
	Total	M&I	
Begin Bal	3,188	3,188	3,725
Juncal transfer from MWD			297
ID#1 Ex +28			28
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0

Month	REMAINING BALANCES		Total
	Total	M&I	
Oct	2798	2798	3725
Nov	2580	2580	4022
Dec	2360	2360	4022
Jan	2206	2205	4022
Feb	2186	2185	4022
Mar	2056	2055	4050
Apr			
May			
Jun			
Jul			
Aug			
Sep			

TOTAL 6,102

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

Contract Entity: Santa Ynez River Water Conservation District, ID#1
 Last updated by C.O.M.B. 3/31/15

Contract Year: 10/1/14 to: 9/30/15

Month	Approved Schedule Current Year	Carryover Previous Year	TOTAL WATER USED			WATER USE CHARGED TO CARRYOVER BALANCES					WATER USE CHARGED TO CURRENT ENTITLEMENT		
			Acre-feet			Acre-feet			Acre-feet		Acre-feet		
			M & I	Agr	Total	Evap	Div	Total	M & I	Agr	M & I	Agr	Total
Oct	1193	1457	2	0	2	24	2	26	26	0	0	0	0
Nov			2	0	2	13	2	15	15	0	0	0	0
Dec			1	0	1	5	1	6	6	0	0	0	0
Jan			2	0	2	8	2	9	9	0	0	0	0
Feb			2	0	2	13	2	14	14	0	0	0	0
Mar			2	0	2	25	2	27	27	0	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	1193	1457	10	0	10								

STORAGE WATER		CONVERSIONS		CURRENT SCHEDULE		Month
M & I	Agr	M & I	Agr	M & I	Agr	
0	0	0	0	0	0	Oct
0	0	0	0	0	0	Nov
0	0	0	0	0	0	Dec
0	0	0	0	0	0	Jan
0	0	0	0	0	0	Feb
0	0	-34	34			Mar
						Apr
						May
						Jun
						Jul
						Aug
						Sep

	SCHEDULE AND REVISIONS					
	Total	M & I	Agr	M & I	Agr	Total
Begin Bal	1,457	483	1173	1,193	0	1,193
						0
						0
						0
						0
Ex cvwd-19/gwd-42/city-28/mwd-28				(83)	(34)	(117)
						0
						0
						0
						0
						0
						0

*NOTE:

Month	COUNTY PARKS			REMAINING BALANCES			
	A.F. Used	Total	M & I	Agr	M & I	Agr	Total
Oct	2.15	1431	457	1173	1193	0	1193
Nov	1.84	1416	442	1173	1193	0	1193
Dec	1.08	1410	436	1173	1193	0	1193
Jan	1.59	1400	427	1173	1193	0	1193
Feb	1.51	1386	413	1173	1193	0	1193
Mar	2.08	1359	386	1173	1076	0	1076
Apr							
May							
Jun							
Jul							
Aug							
Sep							

TOTAL 2,435

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

Contract Entity: Santa Barbara Co. Water Agency
 Last updated by C.O.M.B. 3/31/15

Contract Year: 10/1/14 to: 9/30/15

Month	Approved Schedule Current Year	Carryover Previous Year	TOTAL WATER USED Acre-feet				WATER USED CHARGED TO CARRYOVER BALANCES					WATER USED CHARGED TO CURRENT ENTITLEMENT			
			Use %	Acre-feet		Total	Evap	Div	Total	Allocation		Acre-feet			
				M & I	Agr					M & I	Agr	M & I	Agr	Total	
Oct	11572	10806	7.14%	1,022	396	1,418	179	1,418	1,597	1,177	420	0	0	0	
Nov			4.59%	892	253	945	83	945	1,028	767	262	0	0	0	
Dec			1.92%	348	53	399	32	399	431	365	65	0	0	0	
Jan			0.85%	146	2	149	41	149	189	184	5	0	0	0	
Feb			0.34%	3	2	5	70	5	75	64	10	0	0	0	
Mar				92	0		135	92	227	212	15	0	0	0	
Apr				0	0										
May				0	0										
Jun				0	0										
Jul				0	0										
Aug				0	0										
Sep				0	0										
Total	11572	10806		2,302	707	3,009									

STORAGE WATER		CONVERSIONS		CURRENT SCHEDULE		Month
M & I	Agr	M & I	Agr	M & I	Agr	
108	-108	0	0	0	0	Oct
75	-75	0	0	0	0	Nov
25	-25	0	0	0	0	Dec
3	-3	0	0	0	0	Jan
2	-2	0	0	0	0	Feb
0	0	-34	34			Mar
						Apr
						May
						Jun
						Jul
						Aug
						Sep

	SCHEDULE AND REVISIONS					
	Total	M & I	Agr	M & I	Agr	Total
Begin Bal	10,806	8,285	2,720	9,596	1,976	11,572
Oct	0	0	0	0	0	0
Nov	0	0	0	0	0	0
Dec	0	0	0	0	0	0
Jan	0	0	0	0	0	0
Feb	0	0	0	0	0	0
Mar	0	0	0	14	(15)	(0)
Apr	0	0	0	0	0	0
May	0	0	0	0	0	0
Jun	0	0	0	0	0	0
Jul	0	0	0	0	0	0
Aug	0	0	0	0	0	0
Sep	0	0	0	0	0	0

Month	COUNTY PARKS						
	A.F. Used	Total	M & I	Agr	M & I	Agr	Total
Oct	2.15	9209	7216	2192	9596	1976	11572
Nov	1.84	8181	6524	1855	9596	1976	11572
Dec	1.08	7750	6,184	1,765	9596	1976	11572
Jan	1.59	7581	6,003	1,757	9596	1976	11572
Feb	1.51	7486	5,941	1,745	9596	1976	11572
Mar	2.08	7259	5,729	1,730	9576	1995	11572
Apr							
May							
Jun							
Jul							
Aug							
Sep							

TOTAL 18,831

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

MONTH	DELVRD TO LAKE	Delvd to Lake	CVWD Stored	Delvd to SC	Trans to MW	Delvd to Lake	MWD Stored	Evap/Spill	Delvd to SC	Delvd to Lake	S.B. Stored	Delvd to SC	Delvd to Lake	GWD Stored	Evap/Spill	Delvd to SC	Delvd to Lake	LCMWC Stored	Evap/Spill	Delvd to SC	Delvd to Lake	RSYS Stored	Delvd to SC	Delvd to Lake	MLC Stored	Delvd to SC
2014																										
Bal. Frwd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0
January	875	54	0	54	82	0	0	82	82	0	82	615	0	615	42	0	66	0	0	0	0	0	0	0	0	0
February	1368	133	0	133	200	0	0	200	200	0	200	749	181	568.1	86	21	0	65	0	0	0	0	0	0	0	0
March	1362	105	0	105	245	83	0	162.1	286	0	286	648	335	493.6	78	85	0	14	0	0	0	0	0	0	0	0
April	486	0	0	0	93	0	0	176	178	0	178	176	0	512	39	105	1	18	0	0	0	0	0	0	0	0
May	1265	30	0	30	362	81	0	281.1	362	0	362	388	0	388	120	172	1	52	0	0	0	0	0	3	0	3
June	1268	50	0	50	318	142	1	255	348	0	348	432	0	432	115	254	1	31	0	0	0	0	0	5	0	5
July	1302	158	0	158	275	149	1	266.4	317	0	317	441	0	441	105	285	2	72	0	0	0	0	0	6	0	6
August	1297	121	0	121	314	237	1	225.1	314	0	314	437	0	437	105	375	2	13	0	0	0	0	0	6	0	6
September	1257	110	0	110	308	291	2	252	308	0	308	423	0	423	103	418	2	58	0	0	0	0	0	5	0	5
October	1296	0	0	0	443	455	5	273.6	570	0	570	113	0	113	170	580	7	1	0	0	0	0	0	0	0	0
November	1249	0	0	0	707	962	4	196.5	399	0	399	0	0	0	143	647	5	71	0	0	0	0	0	0	0	0
December	271	0	0	0	0	874	4	84.5	249	0	249	0	0	0	0	609	2	36	22	0	22	0	22	0	0	
Total	13296	761	0	761	0	3347	874	19	2454	3613	0	3613	4422	0	4423	1106	609	25	496	22	0	22	25	0	25	

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

MONTH	DELVRD TO LAKE	Delvd to Lake	CVWD Stored	Delvd to SC	Trans to MW	Delvd to Lake	MWD Stored	Evap/Spill	Delvd to SC	Delvd to Lake	S.B. Stored	Delvd to SC	Delvd to Lake	GWD Stored	Evap/Spill	Delvd to SC	Delvd to Lake	LCMWC Stored	Evap/Spill	Delvd to SC	Delvd to Lake	RSYS Stored	Delvd to SC	Delvd to Lake	MLC Stored	Delvd to SC
2015																										
Bal. Frwd	0	0	0	0	0	874	0	0	0	0	0	0	0	0	0	0	0	609	0	0	0	0	0	0	0	0
January	833	0	0	0	0	765	5	104	363	0	363	470	201	0	269	0	561	3	44	0	0	0	0	0	0	0
February	789	0	0	0	0	650	7	107	366	0	366	423	492	2	130.1	0	510	5	46	0	0	0	0	0	0	0
March	1284	170	52	118.3	282	725	11	195.9	363	0	363	462	444	9	501	0	456	9	46	5	0	5	2	0	2	
April	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2906	170	52	118.3	0	282	725	23	408	1092	0	1092	1355	444	11	900	0	456	17	136	5	0	5	2	0	2



**Santa Barbara County Parks Division,
Cachuma Lake Recreation Area**



**Summary of Aquatic Invasive Species Vessel Inspection Program
and Early Detection Monitoring Program March 2015**

AIS INSPECTION PROGRAM LAUNCH DATA

Cachuma Lake Recreation Area Launch Data -- March 2015		
Inspection Data		
Total Vessels entering Park	198	
Total Vessels launched	182	
Total Vessels Quarantined	16	8%
Returning with Boat Launch Tag	133	73%
New: Removed from Quarantine	5	3%
Kayak/Canoe: Inspected, launched	44	24%
4-stroke Engines	40	22%
2-strokes, w/CARB star ratings	46	25%
2-strokes, NO emissions ratings	52	29%
Quarantine Data		
Total Vessels Quarantined	16	
Quarantined 7 days	*	
Quarantined 14 days	*	
Quarantined 30 days	16	
Quarantine Cause		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	3	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	16	
Demographic Data		
Quarantined from infected county	3	
Quarantined from SB County	13	
Quarantined from uninfected co	0	

Boat Launch Tags: Boats with Cachuma Lake Boat Launch Tags attach boat to trailer.

No mussel species have been located on any vessel entering Cachuma Lake as of the last day of this month.

EARLY DETECTION MONITORING PROGRAM SUMMARY

Summary: No Dreissenid mussels were detected.

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

Inspection Date and Time : 2015.03.24; 13:00 – 16:00 PDT

Method: 9 PVC/Cement Sampling Stations; 152 linear feet of line

Surveyors: Liz Gaspar (SBCO Parks Division), Keith Yaeger (Sea Grant).

Lake elevation: Max feet: 753.00, current: 688.04; Max acre-feet: 195,000, current: 56,703;

Current capacity: 29%

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	April 27, 2015
Submitted by:	Randall Ward

SUBJECT: Operations Division Projects FY 2014-15

SUMMARY:

The following provides a summary of proposed current year work plan expenditures requiring Board action.

1. Newly identified work plan needs utilizing savings from completed projects. Request expenditure authority for projects that exceed \$10,000.
2. Request expenditure authority for projects included in the current year budget that exceed \$10,000.

Identified Work Plan Needs

- i. North Portal Jet Flow Spool Design and Purchase: The Jet Flow Control Valve replacement parts were an approved project in the 2014-15 budget in the amount of \$150,000. The actual cost of part acquisition was less than the budgeted amount resulting in savings of approximately \$73,000. Staff proposes to use the savings, in part, to design and fabricate a pipe spool that could be fitted into the identical section of pipe as the Jet Flow Valve. The fabricated pipe section would replace the Jet Flow valve during a rebuild or in response to an emergency involving a failure of the valve. The addition of the fabricated pipe would reduce the required shutdown time of the SCC by enabling an immediate substitution of the new pipe for the Jet Flow valve during rehabilitation or an emergency. The estimated cost is \$30,000.
- ii. Elevator Electric Control Panel Replacement: The original elevator rehabilitation project was completed; however staff became aware of a faulty drive unit and controller drive interface board. A repair proposal of \$25,680 has been obtained from Capital Elevator. Repair is crucial to continued safe operation of the elevator. Approximately \$39,000 from FY 13/14 unexpended funds remains from this project to adequately proceed with the correction. We solicited proposals and received only one proposal that was responsive. In addition, heat sensors will be installed to replace faulty smoke detectors.

Expenditure Authority Request

- iii. V-Ditch Project: Located in the Upper Reach section of the Cachuma Project, the V-ditch was constructed during initial SCC development to permanently remove overburden to protect the SCC. An amount of \$30,000 was included in the current year budget to remove overburden that occurred over time because of erosion. Expenditure authority is requested to expend an amount, not to exceed \$30,000, to complete the project. Staff has secured four contractor quotes and recommends the lowest priced contractor, Peter Lapidus Construction. Provide General Manager the authority to initiate a contract for this project.

- iv. Open Air Vent Rehabilitation Project: Rehabilitation of this air vent was approved in the 2014-15 budget. The purpose of the air vent is to evacuate air to prevent a pipe collapse. The project originally proposed anticipated design and repair with corrosion resistant materials at a cost of approximately \$70,000. Subsequent to budget approval, staff has determined a cost effective rehabilitation can be accomplished for approximately \$35,000. COMB has provided plans for rehabilitation to the Bureau of Reclamation (BOR) for concurrence. Once BOR approval is received, staff will obtain proposals from outside contractors to complete the work. Provide General Manager the authority to contract for structure rehabilitation.
- v. Vehicle Purchases: The 2014-15 Budget included the authorization to replace two trucks. The purchase cost is to be partially offset by the sale of aged fleet vehicles. COMB has sold four vehicles totaling \$34,728. Provide General Manager the authority to purchase two trucks.

FINANCIAL IMPACT:

No additional funding requested - Adjustment to current year expenditure authorization. The above items are included in the Fiscal Year 2014-15 budget. This is an adjustment in the use of those funds.

LEGAL CONCURRENCE:

N/A

ENVIRONMENTAL COMPLIANCE:

N/A

RECOMMENDATION:

- i. Board authorize General Manager to expend existing approved funds based on proposals received.
- ii. Board authorize General Manager to expend existing approved funds based on proposals received.
- iii. Board authorize General Manager to use existing funds and enter into a contract to complete the projects as described.
- iv. Board authorize General Manager to use existing funds and enter into a contract to complete the projects as described.
- v. Board authorize General Manager to use existing funds to purchase two vehicles.

LIST OF EXHIBITS:

None.

CACHUMA OPERATION & MAINTENANCE BOARD

FISHERIES COMMITTEE MEMORANDUM

Date:	April 27, 2015
Submitted by:	Tim Robinson
Approved by:	Randy Ward

SUBJECT: Contract Award – Risk Analysis and Optimization of the Lower Santa Ynez River Migrant Trapping Program Study

SUMMARY:

Consistent with the Fiscal Year 2014-2015 COMB budget and supporting Scopes of Work (SOW), a contract with a qualified consultant is required to perform a thorough statistical analysis to minimize the risk of take exceedances while optimizing the Migrant Trapping Program for long-term trend analysis of migrating steelhead/rainbow trout (*Oncorhynchus mykiss*, *O. mykiss*) in the Lower Santa Ynez River (LSYR). This work has been requested and will be done in collaboration with U.S. Bureau of Reclamation (USBR).

On behalf of USBR, COMB Fisheries Division conducts all required monitoring of *O. mykiss* in the LSYR and its tributaries as described in the National Marine Fisheries Service (NMFS) 2000 Cachuma Project Biological Opinion (BO) and 2000 LSYR Fish Management Plan. A central task to that monitoring effort is the Migrant Trapping Program that began in the mid-1990s and is ongoing. At the request of NMFS, USBR must adhere to the take limits as stated in the BO. A study is needed to assess the risk of exceeding take while maximizing the trapping effort under the requested take limits. This effort will ensure the optimal interpretation of data collected during the monitoring period and allow continuation of the long-term trend analyses.

After COMB staff reviewed and evaluated the proposals received, staff recommends that the COMB Board award the contract to the lowest responsible bidder with the best qualifications, Cramer Fish Sciences

DETAILS:

Due to a request by the NMFS to USBR, the take limits must not exceed 110 juvenile and 150 adults *O. mykiss* as stated in the Incidental Take Statement (ITS) of 2000 BO (NMFS, 2000). The LSYR Migrant Trapping Program has been at or over the take limit since the issuance of the BO which has been regularly reported to NMFS through multiple Annual Monitoring Reports. It wasn't until 2013 when USBR entered into formal Reconsultation for a new BO did NMFS make the request of USBR to stay under take. In 2014, a reduced trapping effort was conducted where juvenile and adult take was not exceeded. This modified trapping plan compromised long-term trend analyses from a dataset that started in 2000 and limits our ability to demonstrate to NMFS the success and positive contribution from multiple restoration projects to the recovery of the endangered southern steelhead.

A study is needed to (1) perform a risk analysis for the potential to exceed take both for juvenile and adult *O. mykiss* associated with the Migrant Trapping Program in a highly variable system such as the LSYR and its tributaries, and (2) provide recommendations on how best to optimize the trapping effort to not exceed take while maximizing the monitoring effort in support of the long-term trend analyses. A SOW was written for this needed study, was reviewed by the Fisheries Committee (2/24/14, 3/5/15 and

4/14/15) and was approved and incorporated in the Fiscal Year 2014-2015 COMB Budget. A Request for Proposals (RFP) was sent to 5 qualified consulting firms with Biometricians capable of performing the required analyses and producing the desired deliverables. Two proposals were received that met the requirements. If this work is not conducted, risk of exceedance prevails and necessary optimization of this critical monitoring task to demonstrate all the progress made through multiple restoration projects towards recovery of the endangered southern steelhead is compromised.

FINANCIAL IMPACT:

The COMB FY 2014-2015 budget allocated \$35,000 for this effort.

LEGAL CONCURRENCE:

N/A

ENVIRONMENTAL COMPLIANCE:

N/A

COMMITTEE STATUS:

The Fisheries Committee reviewed the SOW on 2/24/14 and recommended it for incorporation in the COMB FY 2014-2015 Budget and discussed staff's progress with this study on 3/5/15 and 4/14/15.

RECOMMENDATION:

Action Item: Authorize the COMB General Manager to enter into a contract with Cramer Fish Sciences for the purpose stated in an amount not to exceed \$35,000.

LIST OF EXHIBITS:

N/A

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	April 27, 2015
Approved by:	Randall Ward

SUBJECT: IRWMP Proposition 84 Grant Funding Allocation

Background

COMB will receive grants providing, in part, financial assistance for the Emergency Pumping Facility Project (EPFP). The grants are segregated for the purpose of discussion as follows:

- Integrated Regional Water Management Plan Grant (IRWMP) – COMB has received notification the application for \$2.0 million of funds available from state allocated Proposition 84 funds will be provided at fifty-two percent of the requested amount or approximately \$1.037 million. These funds will be distributed directly to COMB.
- State Water Resources Control Board (SWRCB) – Each Member Unit has been notified they are to individually receive \$350k to offset their EPFP financial obligation. These funds will be provided as a reimbursement to each Member Unit.
- Department of Water Resources (DWR) – Each Member Unit has been notified they are to individually receive \$150K to offset their EPFP financial obligation. These funds will be provided as a reimbursement to each Member Unit.

The grants from the SWRCB and DWR total \$500k to each individual Member Unit without regard to the COMB (SCMU) project cost allocations as set forth in the Master Renewal Contract.

Issue Detail

The above grants do not consider Member Unit project cost allocations in a manner consistent with the Master Renewal Contract. Therefore, the City of Santa Barbara (SB) and the Goleta Water District (GWD) are subject to a disproportionate EPFP financial obligation. SB and GWD request the allocation of the IRWMP Prop 84 grant be split between those two agencies in a weighted percentage proportion (SCMU) as set forth in the Master Renewal Contract. This action would recognize Montecito Water District and Carpinteria Valley Water District, with the individual receipt of \$500k, will have offset their individual contributions to the EPFP by over (50%). The adoption of this proposal does not equalize the percentage share of project costs between the four Member Units but seeks to achieve partial project funding equity.

FISCAL IMPACTS:

N/A

LEGAL CONCURRENCE:

N/A

ENVIRONMENTAL COMPLIANCE:

N/A

COMMITTEE STATUS:

Recommend allocating the Prop 84 IRWMP Grant Funding to project costs obligations between Goleta Water District and the City of Santa Barbara in a weighted percentage allocation as set forth in the Master Renewal Contract.

RECOMMENDATION:

Board adopt recommendation approved by the Administrative Committee.

LIST OF EXHIBITS:

- 1) Funding matrix

Emergency Pumping Facilities Project
 IRWMP Prop 84 Proposed Allocation

		<i>Project Costs</i>			
		GWD	City of SB	CVWD	MWD
		40.42%	35.88%	12.20%	11.50%
TOTAL COSTS	\$7,678,603	\$3,103,691	\$2,755,083	\$936,790	\$883,039
DWR and SWRCB Funding	(2,000,000)	(500,000)	(500,000)	(500,000)	(500,000)
MU Contribution after State Funding	\$5,678,603	\$2,603,691	\$2,255,083	\$436,790	\$383,039
USBR Funding	(300,000)	(121,260)	(107,640)	(36,600)	(34,500)
SB County In-Kind	(109,533)	(44,273)	(39,300)	(13,363)	(12,596)
MU Total Contribution	\$5,269,070	\$2,438,158	\$2,108,142	\$386,827	\$335,943
IRWMP Grant Funding	\$ (1,037,842)	(549,798)	(488,044)		
MU Total Contribution		\$1,888,360	\$1,620,098	\$386,827	\$335,943
		52.98%	47.02%		

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	April 27, 2015
Submitted by:	Randall Ward

SUBJECT: **Fiscal Year 2015-16 Proposed Draft Operating Budget**

SUMMARY:

Prepared for your review is the COMB Draft FY 2015-16 Operating budget. The draft budget contains program expenditure detail for the Operations, Fisheries and Administration Divisions. The budget allocation worksheet included within the budget summary provides fund source information.

This draft budget includes the current employee salary and benefit package as increased by a 1.3 percent COLA per the adopted annual calculation formula. The COLA is determined by averaging the prior thirteen months CPI for all urban consumers and comparing that average to the previous year averaged data. The U.S. City and the Los Angeles-Riverside data is then averaged together to obtain the percentage COLA for the period. COMB staff has reviewed the budget in detail with Member Agency's representatives.

Operations Division

Operations and Maintenance Expenses

The Operations Division labor cost would decrease primarily due to the reduction in employer contribution to CalPERS and health insurance premiums attributable to new hires.

The Vehicles and Equipment section is reduced by approximately twenty six percent under the current year because of the current year vehicle purchase. Contract labor is proposed to increase because of additional cost effective utilization of the California Conservation Corps and engineering services proposed in the implementation of the annual work plan.

The Materials and Supplies section has increased in anticipation of purchasing inventory for field crew projects outlined in the annual work plan. This increase is largely attributable to AVAR and Blow Off valve materials. Other expenses have been reduced from the prior fiscal year.

General and Administrative Expenses

General and Administrative expenses of the Operations Division has decreased approximately five percent primarily attributable to health insurance benefit savings and CalPERS employer contribution savings. Postage, office supplies and office equipment line items have been decreased to reflect actual expenditures. The Membership dues line item displays a slight increase due to the ACWA/JPIA membership cost increase. The computer consultant line item has been decreased due to the recent change in IT consultants. Under Special G & A expenses, it is anticipated administrative costs for Proposition 84 grants will be the same as the prior fiscal year.

Infrastructure Improvement Projects

The proposed Infrastructure Improvement Program Project section is increased over the previous year because of capital projects scheduled for completion during FY 2015-16.

Special Projects

The Emergency Pumping Facilities Project line item contains the minimum budgeted amount for operational and maintenance expenditures; however this project is subject to change with a possible special assessment depending on decisions regarding the pipeline purchase and affiliated storage costs.

Fisheries Division

Operation and Maintenance Expenses

The Fisheries Division Labor Account has increased compared to the prior year primarily due to salary increases attributable to range steps and the COLA. The Fixed Capital line item has decreased due to the current year purchase of a vehicle. The contract labor section is proposed to increase because of the shared utilization of the California Conservation Corp.

General and Administrative Expenses

Overall, the General and Administrative portion of the Fisheries Division has decreased about six percent primarily attributable to health insurance benefit savings and CalPERS employer contribution savings. Postage, office supplies and office equipment line items have been decreased to reflect actual cost. The Membership dues line item displays a slight increase due to the ACWA/JPIA membership cost increases. The computer consultant line item has been decreased because of the recent change in IT consultants.

Program Support Services

The Program Support Services section within the Fisheries Division incorporates all monitoring, mapping and reporting tasks required in the implementation of the Cachuma Project Biological Opinion (BO) and Lower Santa Ynez River (LSYR) Fisheries Management Plan (FMP). All of the line items remain unchanged compared to the current year.

Habitat Improvement Projects

The Tributary Project Improvements line item has increased over the current year attributable to the Salsipuedes Fish Ladder Improvement Project slated for FY 2015-16 as outlined in the Habitat Improvement Plan (HIP). Quiota Creek Crossing 0 (a&b) and Crossing 3 have been awarded grant funding and will be constructed during FY 2015-16 as set forth in the HIP.

In summary, the COMB proposed FY 2015-16 Draft Budget totals \$9,407,712. Overall, as indicated on page 4 of the budget, COMB will manage over \$11 million in revenues during this fiscal year. These revenues include the Warren Act Trust Fund, the Santa Barbara County \$100,000 annual contribution, \$1,376,840 in grants affiliated with the Fisheries Division Projects, Cachuma Project Water Entitlement, Bradbury and Lauro Dam SOD Act repayments, and the Water Rights fee. With projected offsetting revenues of \$2,066,840, the net FY 2015-16 COMB Draft Budget totals \$7,340,872.

Note: The budget does not contain funding for potential litigation settlement costs.

LEGAL CONCURRENCE:

N/A

COMMITTEE STATUS:

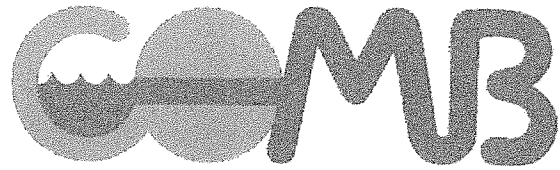
Administrative Committee reviewed and recommended submittal to Board of Directors for adoption at the April 27th, 2015 Board meeting.

RECOMMENDATION:

The Board of Directors approve and adopt the COMB FY 2015-16 Draft Operating Budget as presented.

LIST OF EXHIBITS:

- 1) FY 2015-16 Draft COMB Operating Budget
- 2) FY 2015-16 Draft COMB Allocation Worksheet
- 3) FY 2015-16 Draft COMB Budget Summary
- 4) FY 2016-20 Draft Infrastructure Improvement Plan
- 5) FY 2016-20 Draft Habitat Improvement Plan

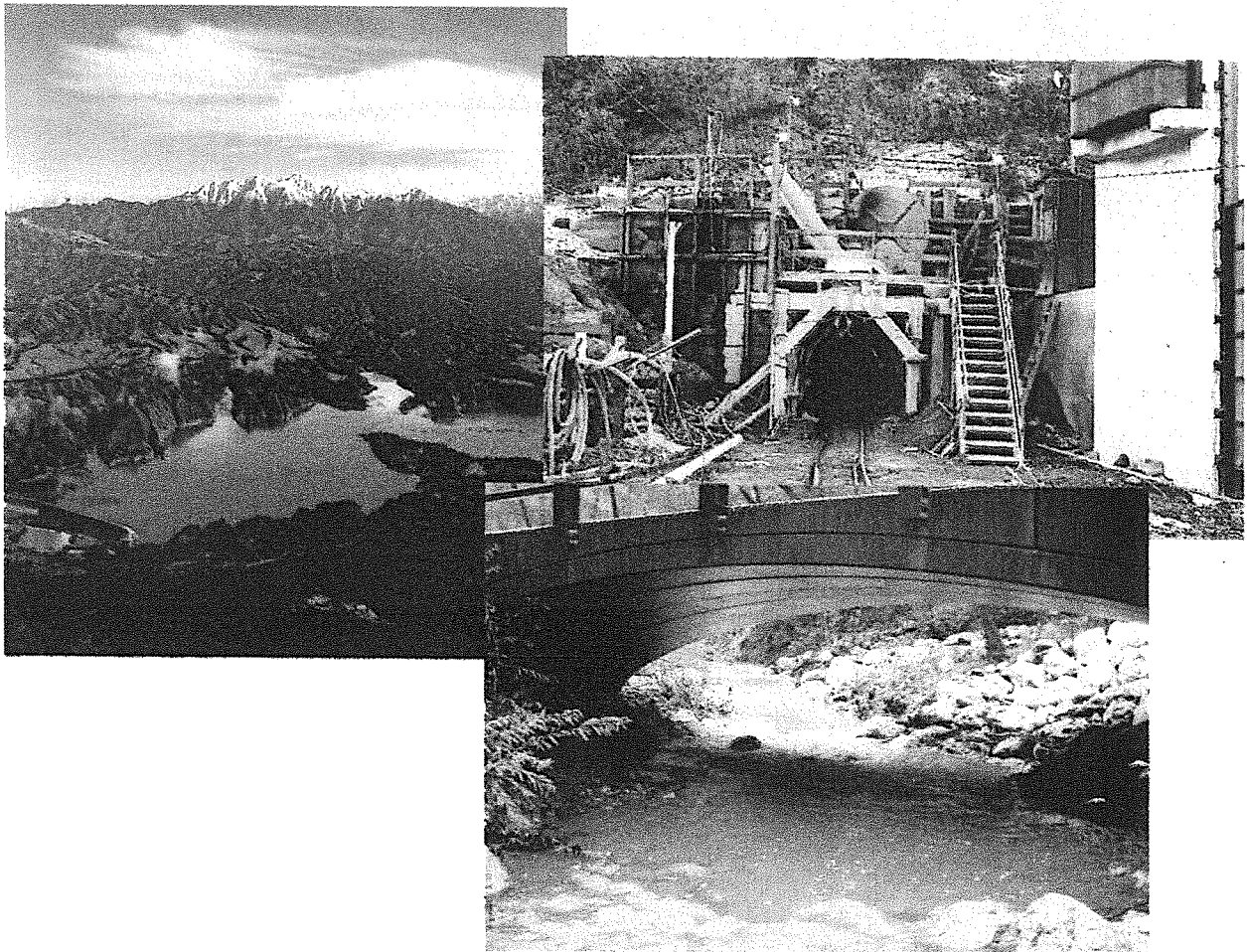


Cachuma Operation & Maintenance Board

Santa Barbara, California

Draft Operating Budget

July 1, 2015 – June 30, 2016



CACHUMA OPERATION AND MAINTENANCE BOARD

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Santa Barbara, California 93105-2017

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www.cachuma-board.org



Mission

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

Cachuma Operation & Maintenance Board

Board of Directors

Lauren Hanson, Goleta Water District
President

W. Douglas Morgan, Montecito Water District
Vice-President

Polly Holcombe, Carpinteria Valley Water District

Dale Francisco, City of Santa Barbara

Kevin Walsh, Santa Ynez River Water Conservation District,
Improvement District No. 1

General Manager

Randall M. Ward

Staff Contributors

Janet Gingras, Administrative Manager

Dave Stewart, Operations Division Manager

Tim Robinson, Fisheries Division Manager

Overview

General Manager's Message

The proposed Fiscal Year 2015-16 Budget provides planned support for the programs and objectives of the Cachuma Operation and Maintenance Board (COMB). The budget provides the financial plan required to implement the COMB mission and will enable staff to utilize the resources necessary to achieve program objectives.

Adoption of the budget is an important responsibility of the Board of Directors. This budget is COMB's legal expenditure authorization to implement FY 2015-16 program objectives. The budget includes annual program expenditures and planned capital expenditure. The proposed budget provides support for operations, maintenance, administration, habitat and infrastructure improvements necessary to ensure COMB's ability to provide a reliable water supply to our Member Agencies.

Development of the FY 2015-16 budget considered the resource constraints faced by the Member Units attributable to, in large measure, the consequences of the historic drought. The budget proposes to fund the highest priority infrastructure improvement projects and program activities necessary to achieve objectives with limited financial resources. Therefore, the proposed budget was planned and developed with the recognition of the fiscal challenges facing the Member Agencies.

The Proposed Fiscal Year 2015-16 Net Operating Budget, of \$7.3 million, represents over a fourteen percent decrease compared to the FY 2014-15 approved budget. The reason for the decrease is primarily due to the majority of the Emergency Pumping Facility Project being completed coupled with a growth of offsetting revenues from California Department of Fish and Wildlife awarded grants and the Warren Act Trust Fund. Overall, the General and Administrative portion of the budget reflects a decrease from the prior fiscal year approved budget. The completion of the Five-Year Infrastructure Improvement Program and Habitat Improvement Plan provide detail for improvement projects scheduled for FY 2015-16. Staff has worked to minimize costs in all programs by improving operational efficiencies and, where possible, utilize internal resources to achieve objectives.

Summary

In this time of historic drought and associated resource demands, responding to changes or unanticipated events is part of the ongoing budget monitoring process. COMB will continue provide budget updates and report financial activity in a timely and transparent manner to the Board and Member Agencies.

Cachuma Operation & Maintenance Board
Proposed Draft Budget
 Fiscal Year 2015 - 2016

7/1/2015

Account Number	Account Name	FY 2014 - 2015 Adopted Budget	FY 2015 - 2016 Proposed Draft Budget	Dollar Change	Percentage Change
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OPERATIONS DIVISION

OPERATION & MAINTENANCE EXPENSES

LABOR					
3100	LABOR - Operations Field Crew	\$ 507,169	\$ 514,058	\$ 6,889	
3155	CALPERS	80,344	72,497	(7,847)	
3150	HEALTH INSURANCE	167,313	163,861	(3,452)	
3150	WORKERS COMPENSATION INSURANCE	25,112	25,456	344	
3160	FICA	38,798	39,325	527	
	TOTAL	\$ 818,736	\$ 815,197	\$ (3,539)	-0.43%
VEHICLES & EQUIPMENT					
3201	VEHICLE/EQUIP MTCE	\$ 30,000	\$ 30,000	\$ -	
3202	FIXED CAPITAL	35,000	15,000	(20,000)	
3203	EQUIPMENT RENTAL	5,000	5,000	-	
3204	MISC	5,000	5,000	-	
	TOTAL	\$ 75,000	\$ 55,000	\$ (20,000)	-26.67%
CONTRACT LABOR					
3301	CONDUIT, METER, VALVE	\$ 20,000	\$ 20,000	\$ -	
3302	BUILDINGS & ROADS	20,000	20,000	-	
3303	RESERVOIRS	20,000	30,000	10,000	
3304	ENGINEERING, MISC SVCS	10,000	25,000	15,000	
	TOTAL	\$ 70,000	\$ 95,000	\$ 25,000	35.71%
MATERIALS & SUPPLIES					
3401	CONDUIT, METER, VALVE & MISC	\$ 25,000	\$ 65,000	\$ 40,000	
3402	BUILDINGS & ROADS	15,000	15,000	-	
3403	RESERVOIRS	10,000	10,000	-	
	TOTAL	\$ 50,000	\$ 90,000	\$ 40,000	80.00%
OTHER EXPENSES					
3501	UTILITIES	\$ 7,000	\$ 7,000	\$ -	
3502	UNIFORMS	6,000	5,000	(1,000)	
3503	COMMUNICATIONS	18,000	18,000	-	
3504	USA & OTHER SERVICES	4,000	4,000	-	
3505	MISC	8,000	8,000	-	
3506	TRAINING	3,000	3,000	-	
	TOTAL	\$ 46,000	\$ 45,000	\$ (1,000)	-2.17%
	TOTAL O & M EXPENSE	\$ 1,059,736	\$ 1,100,197	\$ 40,461	3.82%

Cachuma Operation & Maintenance Board
Proposed Draft Budget
 Fiscal Year 2015 - 2016

7/1/2015

Account Number	Account Name	FY 2014 - 2015 Adopted Budget	FY 2015 - 2016 Proposed Draft Budget	Dollar Change	Percentage Change
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OPERATIONS DIVISION

GENERAL AND ADMINISTRATIVE EXPENSES

5000	DIRECTORS FEES	\$ 13,000	\$ 13,000	\$ -	
5100	AUDIT	21,700	20,000	(1,700)	
5101	LEGAL	100,000	100,000	-	
5150	UNEMPLOYMENT INSURANCE	5,000	5,000	-	
5200	LIABILITY & PROPERTY INSURANCE	42,705	42,705	-	
5201	HEALTH insurance, W/C, Retirees medical	197,658	180,156	(17,502)	
5250	PERS	70,574	58,692	(11,882)	
5339	FICA/MEDICARE	26,648	26,093	(555)	
5300-5307	ADMINISTRATIVE SALARIES	348,344	341,091	(7,253)	
5310	POSTAGE / OFFICE SUPPLIES	9,100	8,000	(1,100)	
5311	OFFICE EQUIPMENT / LEASES	9,691	8,000	(1,691)	
5312	MISC. ADMIN. EXP.	10,790	10,790	0	
5313	COMMUNICATIONS	7,995	8,500	505	
5314	UTILITIES	9,737	9,737	-	
5315	MEMBERSHIP DUES	7,000	8,000	1,000	
5316	ADMIN. FIXED ASSETS	4,000	4,000	-	
5318	COMPUTER CONSULTANT	20,000	15,000	(5,000)	
5325	EMPLOYEE EDUCATION/TRAINING	2,000	2,000	-	
5330	ADMIN TRAV & CONFERENCES	2,000	2,000	-	
5331	PUBLIC INFO	1,000	1,000	-	
TOTAL GENERAL & ADMINISTRATIVE		\$ 908,943	\$ 863,765	\$ (45,178)	-4.97%

SPECIAL G & A EXPENSES

5510	Integrated Regional Water Mgmt Plan	\$ 5,000	\$ 5,000	\$ -	
TOTAL SPECIAL G & A EXPENSES		\$ 5,000	\$ 5,000	\$ -	0.00%

INFRASTRUCTURE IMPROVEMENT PROJECTS

6062	SCADA	\$ 42,000	\$ 50,000	\$ 8,000	
6090	COMB Bldg/Grounds Repair	4,000	550,000	546,000	
6097	GIS and Mapping	10,000	10,000	-	
6096	SCC Structure Rehabilitation (AVAR / BO Valves)	150,000	240,000	90,000	
6105	ROW Identification Program	10,000	20,000	10,000	
6109	North Portal Jet Flow Control Valve	150,000	0	(150,000)	
6112	Open Air Vent Structure	70,000	0	(70,000)	
6116	V-Ditch clean up Project - Upper Reach	30,000	0	(30,000)	
6117	Sheffield Paving Project	30,000	0	(30,000)	
6118	Repair Lateral 3 Structure	0	20,000	20,000	
6121	North Portal Jet flow Spool Installation	0	5,000	5,000	
6122	Rehabilitate San Antonio Creek Blow-off	0	10,000	10,000	
6123	Sheffield Tunnel Inspection / Evaluation of SCC	0	100,000	100,000	
6124	South Portal Slope Stabilization	0	50,000	50,000	
6125	Install 2nd Sump Pump in NP Chamber	0	35,000	35,000	
6126	Rebuild Inflow Rip-rap at Lauro Reservoir	0	200,000	200,000	
6127	Encroachment - Trees and Vegetative Overgrowth	0	25,000	25,000	
6128	Lauro Tunnel Pipe Support Evaluation	0	30,000	30,000	
6129	Rehabilitate SCC Lower Reach Lateral Structures	0	50,000	50,000	
6130	North Portal Slope Stabilization	0	50,000	50,000	
6131	Waterproof Gate Shaft at North Portal	0	60,000	60,000	
6132	Locate Discharge Pipes at 4 Blow-off Stations	0	40,000	40,000	
6133	Clean and apply grout Lauro Reservoir Outlet Works	0	38,000	38,000	
TOTALS		\$ 496,000	\$ 1,583,000	\$ 1,087,000	219.15%

SPECIAL PROJECTS

6119	Intake Tower Stems & Guides	250,000	0	(250,000)	
6120	Emergency Pumping Facilities Project	4,708,000	2,709,250	(1,998,750)	
TOTALS		\$ 4,958,000	\$ 2,709,250	\$ (2,248,750)	-45.36%
TOTAL IIP and SPECIAL PROJECTS		\$ 5,454,000	\$ 4,292,250	\$ (1,161,750)	-21.30%
TOTAL OPERATIONS DIVISION BUDGET		\$ 7,427,679	\$ 6,261,212	\$ (1,166,467)	-15.70%

Cachuma Operation & Maintenance Board
Proposed Draft Budget
Fiscal Year 2015 - 2016

7/1/2015

Account Number	Account Name	FY 2014 - 2015 Adopted Budget	FY 2015 - 2016 Proposed Draft Budget	Dollar Change	Percentage Change
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FISHERIES DIVISION

OPERATION & MAINTENANCE EXPENSES

LABOR					
4100	LABOR - Biology Field Crew	\$ 278,245	\$ 283,209	\$ 4,964	
4114	LABOR - Seasonal Field Crew	82,500	82,500	-	
4151	CALPERS	56,361	59,454	3,093	
4150	HEALTH INSURANCE	80,539	78,203	(2,336)	
4150	WORKERS COMPENSATION	18,398	18,651	253	
4152	FICA	27,597	27,977	380	
TOTAL		\$ 543,641	\$ 549,994	\$ 6,353	1.17%
VEHICLES & EQUIPMENT					
4270	VEHICLE/EQUIP MTCE	\$ 13,000	\$ 13,000	\$ -	
4280	FIXED CAPITAL	35,000	15,000	\$ (20,000)	
4290	MISCELLANEOUS	2,500	2,500	-	
TOTAL		\$ 50,500	\$ 30,500	\$ (20,000)	-39.60%
CONTRACT LABOR					
4220	METERS & VALVES	\$ 3,000	\$ 3,000	\$ -	
4222	PROJECTS MAINTENANCE	28,000	40,000	12,000	
TOTAL		\$ 31,000	\$ 43,000	\$ 12,000	38.71%
MATERIALS & SUPPLIES					
4390	MISCELLANEOUS	\$ 7,000	\$ 7,000	\$ -	
TOTAL		\$ 7,000	\$ 7,000	\$ -	0.00%
OTHER EXPENSES					
4502	UNIFORMS	\$ 2,500	\$ 2,500	\$ -	
TOTAL		\$ 2,500	\$ 2,500	\$ -	0.00%
TOTAL O & M EXPENSE		\$ 634,641	\$ 632,994	\$ (1,647)	-0.26%

FISHERIES DIVISION

GENERAL AND ADMINSTRATIVE EXPENSES

5407	DIRECTORS FEES	\$ 7,000	\$ 7,000	\$ -	
5407	LEGAL	25,000	25,000	-	
5441	AUDIT	6,300	6,300	-	
5443	LIABILITY & PROPERTY INSURANCE	21,595	21,595	-	
5401	HEALTH BENEFITS & W/C	52,316	44,216	(8,100)	
5402	PERS	38,002	31,603	(6,399)	
5403	FICA/MEDICARE	14,349	14,050	(299)	
5404-09	ADMINISTRATIVE SALARIES	187,570	183,665	(3,905)	
5410	POSTAGE / OFFICE SUPPLIES	4,900	3,000	(1,900)	
5411	OFFICE EQUIPMENT / LEASES	5,218	5,218	-	
5412	MISC. ADMIN. EXP.	5,810	5,810	-	
5413	COMMUNICATIONS	4,305	4,305	-	
5414	UTILITIES	5,243	5,243	-	
5415	MEMBERSHIP DUES	2,900	4,000	1,100	
5416	ADMIN. FIXED ASSETS	4,000	4,000	-	
5418	COMPUTER CONSULTANT	10,500	5,000	(5,500)	
5425	EMPLOYEE EDUCATION/SUBSCRIPTIONS	2,500	2,500	-	
5430	ADMIN TRAV & CONFERENCES	2,500	2,500	-	
5431	PUBLIC INFO	1,500	1,500	-	
TOTAL GENERAL & ADMINISTRATIVE		\$ 401,507	\$ 376,506	\$ (25,002)	-6.23%

Cachuma Operation & Maintenance Board
Proposed Draft Budget
Fiscal Year 2015 - 2016

7/1/2015

Account Number	Account Name	FY 2014 - 2015 Adopted Budget	FY 2015 - 2016 Proposed Draft Budget	Dollar Change	Percentage Change
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FISHERIES DIVISION

PROGRAM SUPPORT SERVICES

6201	BO/FMP Implementation	\$ 100,000	\$ 100,000	\$ -	
6202	GIS and Mapping	10,000	10,000	-	
6203	Grants Technical Support	10,000	10,000	-	
6204	SYR Hydrology Technical Support	10,000	10,000	-	
6205	USGS Stream Gauge Program	77,000	77,000	-	
6206	Tri County Fish Team Funding	5,000	5,000	-	
6210	SYR Riverware Model Use	5,000	5,000	-	
TOTALS		\$ 217,000	\$ 217,000	\$ -	0.00%

HABITAT IMPROVEMENT PLAN PROJECTS

6303	Tributary Project Improvements	\$ 5,000	\$ 20,000	\$ 15,000	
6207	Oak Tree Restoration Program	100,000	100,000	-	
6312	Quiota Creek Crossing 0 (a&b)	40,000	810,000	770,000	
6313	Quiota Creek Crossing 3	30,000	930,000	900,000	
6314	Quiota Creek Crossing 4	30,000	30,000	-	
6315	Quiota Creek Crossing 8	30,000	30,000	-	
TOTALS		\$ 235,000	\$ 1,920,000	\$ 1,685,000	717.02%

TOTAL HIP and Program Support Services		\$ 452,000	\$ 2,137,000	\$ 1,685,000	372.79%
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TOTAL FISHERIES DIVISION BUDGET		\$ 1,488,148	\$ 3,146,500	\$ 1,658,351	111.44%
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Total COMB Gross Budget		\$ 8,915,827	\$ 9,407,712	\$ 491,885	5.52%
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Projected Offsetting Revenues:

Renewal Fund *	\$ (159,887)	\$ -	
Warren Act Trust Fund	(113,434)	(600,000)	
Santa Barbara County Contribution	(90,000)	(90,000)	
Grants - QC Crossing 3	-	(705,205)	
Grants - QC Crossing 0 (a&b)	-	(671,635)	
Total Offsetting Revenues	\$ (363,321)	\$ (2,066,840)	

TOTAL COMB NET BUDGET		\$ 8,552,506	\$ 7,340,872	\$ (1,211,634)	-14.17%
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Other COMB Managed Revenues:

	Actual	Estimated	
USBR Capital Repayment / O & M costs	\$ 2,418,137	\$ 1,500,000	
Bradbury SOD Act Repayment	164,870	164,870	
Lauro SOD Act Repayment	32,088	32,088	
Water Rights Fee	35,940	36,000	
Totals	\$ 2,651,035	\$ 1,732,958	

Notes:

General and Administrative labor costs are allocated at 65% Operations Division and 35% Fisheries Division
 General & Administrative Expenses are allocated at 65% Operations Division and 35% Fisheries Division with the exception of
 Legal, Admin Fixed Assets, Education, Travel, Public Info
 Labor costs contain 1.3% COLA increase per annual calculation
 * Special purpose fund generally restricted to Habitat Enhancement Projects

Cachuma Operation & Maintenance Board
Operations & Maintenance Expenses - Operations Division
Proposed Draft Budget
Fiscal Year 2015 - 2016

7/1/2015

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

LABOR

3100	LABOR OPS	\$ 514,058	Division Manager, Operations Field Crew salaries
3155	CALPERS	72,497	CalPERS pension
3150	HEALTH INSURANCE	163,861	ACWA/JPIA Health Plans, Delta Dental, VSP vision plan
3150	WORKERS COMPENSATION	25,456	ACWA/JPIA workers compensation program
3160	FICA	39,325	Agency payroll costs
	TOTAL	\$ 815,197	

VEHICLES & EQUIPMENT

3201	VEHICLE/EQUIP MTCE	\$ 30,000	Ops & mtce costs of vehicles & equip/Cat generators/fuel costs
3202	FIXED CAPITAL	15,000	Misc replacement equipment, portable pumps, generators
3203	EQUIPMENT RENTAL	5,000	Rental equipment
3204	MISC	5,000	Small tools, supplies for tools & equipment
	TOTAL	\$ 55,000	

CONTRACT LABOR

3301	CONDUIT, METER, VALVE	\$ 20,000	Heavy equip operators, meter calibration, valve mtce
3302	BUILDINGS & ROADS	20,000	Elevator mtce; equip repair; heavy equip; landscape
3303	RESERVOIRS	30,000	Reservoir cleaning/weed abatement/silt vacuuming - CCC contract
3304	ENGINEERING, MISC SVCS	25,000	Consultants, engineering, design
	TOTAL	\$ 95,000	

MATERIALS & SUPPLIES

3401	CONDUIT, METER, VALVE & MISC	\$ 65,000	Meters, air valves, fill materials, charts, locks, signs, gate valves, air ver
3402	BUILDINGS & ROADS	15,000	Paint, windows, lights, gravel, spray, fencing, etc
3403	RESERVOIRS	10,000	Gravel, base, weed spray, fencing, cleaning, etc.
	TOTAL	\$ 90,000	

OTHER EXPENSES

3501	UTILITIES	\$ 7,000	Electric; gas
3502	UNIFORMS	5,000	Uniforms; boots; raingear
3503	COMMUNICATIONS	18,000	Phones at facilities/Cell Phones/Ops & Mtce/SCADA lines
3504	USA & OTHER SERVICES	4,000	Underground Service Alerts
3505	MISC	8,000	Miscellaneous operational expenses (see page 6)
3506	TRAINING	3,000	Certifications / classes
	TOTAL	\$ 45,000	

TOTAL O & M EXPENSE	\$ 1,100,197
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Cachuma Operation & Maintenance Board
OPERATIONS EXPENSES - OTHER
Proposed Draft Budget
Fiscal Year 2015 - 2016

7/1/2015

Account Number	Account Name	Vendor	Totals	Detail
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OTHER EXPENSES DETAIL

3501	Utilities		\$7,000	
		PGE		3,500
		Southern California Edison		3,500
3502	Uniforms		\$5,000	
		ATZ Monogramming		500
		The Wharf		4,500
3503	Communications		\$18,000	
		ATT		1,000
		Verizon - Mn office, Carp, Ortg, NP		2,500
		Verizon - SCADA		8,000
		Verizon Cell		5,500
		Echo		1,000
3504	USA & Other Services		\$4,000	
		USA		1,500
		Safety-Kleen		1,500
		County of Santa Barbara		500
		Draganchuk Alarms		500
3505	Miscellaneous		\$8,000	
		Misc. non-fixed assets		1,000
		OD computer/office		2,000
		City of SB Refuse		3,000
		Marborg Industries		2,000
3506	Education / Training Operations		\$3,000	
	TOTAL		\$45,000	

Cachuma Operation & Maintenance Board
General and Administrative Expenses - Operations Division
Proposed Draft Budget
Fiscal Year 2015 - 2016

7/1/2015

Account Number	Account Name	Description
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GENERAL AND ADMINISTRATIVE EXPENSES

5000	DIRECTORS FEES	\$ 13,000	Directors Fees
5100	AUDIT	20,000	Audit
5101	LEGAL	100,000	Legal
5150	UNEMPLOYMENT TAX	5,000	Unemployment tax
5200	GENERAL LIABILITY INSURANCE	42,705	General liability premiums
5201	HEALTH, WC, DC, Retirees Medical	180,156	Health, WC, DC, Retirees medical
5250	CAL-PERS	58,692	PERS employer portion increased slightly
5339	FICA / MEDICARE	26,093	Payroll driven
5300-5307	ADMINISTRATIVE SALARIES	341,091	Admin Salaries
5310	POSTAGE/OFFICE SUPPLIES	8,000	Ofc supplies/postage
5311	OFFICE EQUIP/LEASES	8,000	Copiers lease / maintenance / postage machine
5312	MISC ADMIN EXP	10,790	Janitor / paychex / misc Admin
5313	COMMUNICATIONS	8,500	COX / Verizon / ATT
5314	UTILITIES	9,737	SCE / SC Gas
5315	MEMBERSHIP DUES	8,000	ACWA / AWWA / CVWP
5316	ADMIN FIXED ASSETS	4,000	Computers / Office Furniture
5318	COMPUTER CONSULTANT	15,000	Technical Expertise
5325	EMPLOYEE EDUCATION/SUBSCRIPTIONS	2,000	Admin Expense
5330	TRAVEL & CONFERENCES	2,000	COMB travel
5331	PUBLIC INFO	1,000	Newspaper ads/public announcements
TOTAL		\$ 863,765	

Notes:

Administrative salaries/burden are allocated as 35% Fisheries Division and 65% Operations based on proportionate salary ratio.

Cachuma Operation & Maintenance Board

ADMINISTRATIVE EXPENSES - OD

Proposed Draft Budget

Fiscal Year 2015 - 2016

7/1/2015

Account Number	Account Name	Totals	Detail
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GENERAL AND ADMINISTRATIVE DETAIL

5000	Directors Fees	\$13,000	
5100	Audit	\$20,000	
5101	Legal	\$100,000	
5150	Unemployment Insurance	\$5,000	
5200	Liability & Property Insurance	\$42,705	
	Property		2,925
	Crime Coverage		780
	Auto & General Liability		39,000
5310	Postage and Office Supplies	\$8,000	
5311	Office Equipment & Leases	\$8,000	
	Coastal Copy		1,800
	Culligan Water		200
	GE Capital		4,500
	Pitney Bowes		1,500
5312	Misc Admin. Expense	\$10,790	
	Office Cleaning		6,000
	Paychex		3,600
	Misc items		1,190
5313	Communications	\$8,500	
	ATT		3,500
	Premier Global		300
	Verizon Ca/wireless		2,200
	COX Cable Online		2,500
5314	Utilities	\$9,737	
	Southern California Edison		9,337
	The Gas Company		400
5315	Membership Dues	\$8,000	
	ACWA		7,000
	AWWA		500
	Other Dues		500
5316	Admin. Fixed Assets	\$4,000	
			4,000
5318	Computer Consultant	\$15,000	
			15,000
5325	Employee Education/Subscriptions	\$2,000	
	Education		1,500
	Subscriptions		500
5330	Admin. Travel / Conferences	\$2,000	
5331	Public Information	\$1,000	
	Website Maintenance		1,000
	TOTAL	\$257,732	

Cachuma Operation & Maintenance Board
INFRASTRUCTURE IMPROVEMENT PROJECTS - Operations Division
Proposed Draft Budget
Fiscal Year 2015 - 2016

7/1/2015

Account Number	Account Name			Description
6062	SCADA Frisch Engineering	\$50,000	50,000	Upgrade of SCADA system (PLC replacement)
6090	COMB Building/Grounds Repair Contractor Contractor	\$550,000	250,000 300,000	Construction to stabilize Board Room (staff estimate) Replacement of Modular Office Buildings
6096	SCC Structure Rehabilitation Phase I - Engineering Phase I - Engineering Phase III - Engineering / Design	\$240,000	60,000 130,000 50,000	AVAR Riser Pipe Replacement Blow-off Structure Rehabilitation AVAR Valve Replacement Program (6 remaining)
6097	GIS and Mapping Vendor	\$10,000	10,000	Software, licensing, support/additional mapping
6105	ROW Identification Program Intern staff	\$20,000	20,000	Mapping of easements into GIS
6118	Repair Lateral 3 Structure Phase I - Engineering	\$20,000	20,000	Engineering / design
6121	North Portal Jet Flow Spool Installation Phase I - Engineering	\$5,000	5,000	Engineering / design
6122	Rehabilitate San Antonio Creek Blow-off Phase I - Engineering / Design	\$10,000	10,000	Engineering / design
6123	Sheffield Tunnel Inspection / Evaluation of SCC Phase I - Engineering Evaluation	\$100,000	100,000	Evaluation of SCC components
6124	South Portal Slope Stabilization Phase I - Geotechnical Study / Engineering Design	\$50,000	50,000	Geotechnical Study / design
6125	Install 2nd Sump Pump in Chamber at North Portal Contractor	\$35,000	35,000	Electrical contractor
6126	Rebuild Inflow Rip-rap at Lauro Reservoir Engineering / Construction	\$200,000	200,000	Engineering / design / construction
6127	Encroachment - Trees and Vegetative Overgrowth Contractor	\$25,000	25,000	Removal of trees and vegetative overgrowth
6128	Lauro Tunnel Evaluation of Pipe Supports Evaluation	\$30,000	30,000	Evaluation of pipe supports
6129	Rehabilitate SCC Lower Reach Lateral Structures Construction	\$50,000	50,000	Rehabilitate Lateral Structures
6130	North Portal Slope Stabilization Phase I - Engineering / Design	\$50,000	50,000	Engineering / Design
6131	Waterproof Gate Shaft at North Portal Contractor	\$60,000	60,000	Apply sealant coating to gate shaft
6132	Locate Discharge Pipes at Four Blow-off Stations Materials	\$40,000	40,000	Materials and supplies
6133	Clean and apply grout Lauro Reservoir Outlet Works Contractor	\$38,000	38,000	Removal of debris and application of new grout
TOTAL Special Projects		\$1,583,000		

Cachuma Operation & Maintenance Board
EMERGENCY PUMPING FACILITIES PROJECT - Operations Division
Proposed Draft Budget
Fiscal Year 2015 - 2016

7/1/2015

Account Number	Account Name			Description
6120	Emergency Pumping Facility Project			
	<i>Pumping Barge remains at initial site (July thru December)</i>	\$638,000		
	Cushman Contracting	588,000		Contractor monthly operational costs (\$98k x 6 mo.)
	PGE	0		PGE Electrical Power (\$300k to be paid by USBR grant)
	HDR Engineering	50,000		Engineering Oversight (estimate)
	<i>Relocation of Pumping Barge (January thru June)</i>	\$2,071,250		
	Cushman Contracting	629,000		Relocation of Pumping Barge (per contract) 6000 ft. pipe included
	HDR Engineering	50,000		Engineering Oversight (estimate)
	Cushman Contracting	744,000		Contractor monthly operational costs (\$124k x 6 mo.)
	PGE	150,000		PGE reconducting costs (estimate)
	PGE	240,000		PGE electrical costs (6 mo @ \$40k)
	Cushman Contracting	241,000		Demobilization at Site 2 (per contract)
	Cushman Contracting	17,250		Record Drawings (per contract)
	TOTAL Emergency Pumping Facilities Project	\$2,709,250		
	TOTAL Special Projects & EPFP	<u>\$4,292,250</u>		

Pipe Purchase and Storage Options:	\$ 2,301,800	\$3,301,800	Description
Cushman Contracting	\$ 301,800	\$ 301,800	Pipeline Abandonment (option per contract)
Cushman Contracting (range)	\$ 500,000	\$ 750,000	Pipe Storage (1st 3000 feet)
Cushman Contracting (range)	\$ 1,500,000	\$ 2,250,000	Pipe Storage (2nd 3000 feet)

Cachuma Operation & Maintenance Board
 Operations & Maintenance Expenses - Fisheries Division
Proposed Draft Budget
 Fiscal Year 2015 - 2016

7/1/2015

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

LABOR

4100	LABOR	\$ 549,994	Biology Field Crew salary/benefits
	TOTAL	\$ 549,994	

VEHICLES & EQUIPMENT

4270	VEHICLES MAINT	\$ 13,000	Fuel, tires, maintenance, etc.
4280	FIXED CAPITAL	15,000	Thermographs, probes, etc.
4290	MISC	2,500	Miscellaneous
	TOTAL	\$ 30,500	

CONTRACT LABOR

4221	METERS & VALVES	\$ 3,000	Calibration of flow meters and sonde meters
4222	FISH PROJECTS MT. WORK	40,000	Maintenance of fish passage projects, CCC
	TOTAL	\$ 43,000	

MATERIALS & SUPPLIES

4390	MISC	\$ 7,000	Misc supplies/additional monitoring equipment
	TOTAL	\$ 7,000	

OTHER EXPENSES

4502	UNIFORMS	\$ 2,500	Biology crew gear
	TOTAL	\$ 2,500	

TOTAL O & M EXPENSE

\$ 632,994

Cachuma Operation & Maintenance Board
General and Administrative Expenses - Fisheries Division
Proposed Draft Budget
Fiscal Year 2015 - 2016

7/1/2015

Account Number	Account Name	Description
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GENERAL AND ADMINISTRATIVE EXPENSES

5400	DIRECTORS FEES	\$7,000	Directors Fees
5441	AUDIT	6,300	Annual Audit
5407	LEGAL	25,000	Legal
5443	GENERAL LIABILITY INSURANCE	21,595	General liability premiums
5401	HEALTH & Workers Comp.	44,216	Health and WC premiums
5402	CAL-PERS	31,603	PERS employer portion increased slightly
5403	FICA / MEDICARE	14,050	Payroll driven
5404-09	ADMINISTRATIVE SALARIES	183,665	Administrative Salaries
5410	POSTAGE/OFFICE SUPPLIES	3,000	Ofc supplies/postage
5411	OFFICE EQUIP/LEASES	5,218	Copiers lease / maintenance / Pitney Bowes
5412	MISC ADMIN EXP	5,810	J&C janitorial / Paychex / Website mtce & updates/misc
5413	COMMUNICATIONS	4,305	COX / Verizon / ATT
5414	UTILITIES	5,243	SCE / SC Gas
5415	MEMBERSHIP DUES	4,000	Fisheries Associations
5416	ADMIN FIXED ASSETS	3,000	Computers / Office Furniture
5418	COMPUTER CONSULTANT	5,000	Technical Expertise
5425	EMPLOYEE EDUCATION/SUBSCRIPTIONS	2,500	Admin Expense
5430	TRAVEL & CONF.	2,500	Travel Expenses
5431	PUBLIC INFO	1,500	Newspaper ads/public announcements
TOTAL		\$ 375,506	

Notes:

Administrative salaries/burden are allocated as 35% Fisheries Division and 65% Operations based on proportionate salary ratio.

Cachuma Operation & Maintenance Board
ADMINISTRATIVE EXPENSES - Fisheries Division
Proposed Draft Budget
Fiscal Year 2015 - 2016

7/1/2015

Account Number	Account Name	Totals	Detail
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GENERAL AND ADMINISTRATIVE DETAIL

5400	Directors Fees	\$7,000	
5407	Legal	\$25,000	
5441	Audit	\$6,300	
5443	Liability & Property Insurance	\$21,595	
	Property		1,575
	Crime Coverage		420
	General Liability		19,600
5410	Postage and Office Supplies	\$3,000	
5411	Office Equipment & Leases	\$5,218	
	Coastal Copy		900
	Culligan Water		300
	GE Capital		3,118
	Pitney Bowes		900
5412	Misc Admin. Expense	\$5,810	
	J & C Services		2,200
	Paychex		2,610
	Misc.		1,000
5413	Communications	\$4,305	
	ATT		1,500
	Verizon		1,000
	COX Cable Online		1,805
5414	Utilities	\$5,243	
	Southern California Edison		3,943
	The Gas Company		1,300
5415	Membership Dues	\$4,000	
	American Fisheries Society		500
	ACWA		2,500
	Salmonid Restoration Federation		1,000
5416	Admin. Fixed Assets	\$3,000	
5418	Computer Consultant	\$5,000	
			5,000
5425	Employee Education/Subscriptions	\$2,500	
	Education		2,000
	Subscriptions		500
5430	Admin. Travel / Conferences	\$2,500	
5431	Public Information	\$1,500	
	Public Information		500
	Website Development		1,000
	TOTAL	\$101,971	

Cachuma Operation & Maintenance Board
Program Support Services - Fisheries Division
Proposed Draft Budget
Fiscal Year 2015 - 2016

7/1/2015

<i>Account Number</i>	<i>Account Name</i>	<i>Totals</i>	<i>Description</i>
6201	Biological Opinion/FMP Implementation	\$100,000	68,000 BO Compliance Tasks and Support 5,000 AMC and CC participation and tech support 27,000 Fisheries monitoring program support
6202	GIS and mapping	\$10,000	10,000 GIS Tech support, materials, equip, software
6203	Grants and Workshop Technical Support	\$10,000	10,000 Technical support for grants research and management
6204	SYR Hydrology Technical Support	\$10,000	10,000 Hydrologic Modeling support
6205	USGS Stream Gauge Program*	\$77,000	77,000 USGS Stream Gauge Program
6206	Tri County Fish Team Funding	\$5,000	5,000 Tri County Fish Team participation
6211	SY Riverware Model Use	\$5,000	5,000 Riverware software use

TOTAL Special Projects **\$217,000**

* Reimbursed through County of Santa Barbara \$100,000 Contribution Fund

Cachuma Operation & Maintenance Board
Habitat Improvements - Fisheries Division
Proposed Draft Budget
Fiscal Year 2015 - 2016

7/1/2015

Account Number	Account Name	Totals	Description
6303	Tributary Projects Improvements HDR FishPro Contractor	\$20,000	5,000 Engineering 15,000 Salsipuedes Fish ladder rehabilitation
6207	Oak Tree Restoration Program Ken Knight Consultant Vendor	\$100,000	25,000 Oak Tree Consultant oversight 75,000 Materials and supplies
6312	Quiota Creek Crossing 0 (a & b) HDR FishPro Contractor	\$810,000	30,000 Design support, bid administration 780,000 Construction
6313	Quiota Creek Crossing 3 HDR FishPro Contractor	\$930,000	30,000 Design support, bid administration 900,000 Construction
6314	Quiota Creek Crossing 4 HDR FishPro	\$30,000	30,000 Design support
6315	Quiota Creek Crossing 8 HDR FishPro	\$30,000	30,000 Design support

TOTAL Habitat Enhancements \$1,920,000

Grants Status:

CDFW Grant - Crossing No. 3	\$ (705,205)
CDFW Grant - Crossing No. 0 (a & b)	<u>\$ (671,635)</u>
	\$ (1,376,840)

NET Habitat Enhancements \$543,160

CACHUMA OPERATION & MAINTENANCE BOARD

Draft Budget Allocation FY 2015-16

OPERATIONS DIVISION

7/1/2015

ID#1 Allocated Costs (SC Operations Division)		FY 2015 -16	
COMB Buildings / Grounds Repair	\$550,000	10.31%	\$ 56,705
TOTAL			\$ 56,705

Directors Fees (All M/U equal share)		FY 2014 -15	
MEMBER UNIT			
Goleta Water District	20.00%	\$	4,000
City of Santa Barbara	20.00%	\$	4,000
Carpinteria Valley Water District	20.00%	\$	4,000
Montecito Water District	20.00%	\$	4,000
Santa Ynez River Wtr Conservation District, ID#1	20.00%	\$	4,000
TOTAL	100.00%	\$	20,000

SCMU Allocated Costs (SC Ops Div)			
MEMBER UNIT			
Goleta Water District	40.42%	\$	2,499,778
City of Santa Barbara	35.88%	\$	2,219,001
Carpinteria Valley Water District	12.20%	\$	754,510
Montecito Water District	11.50%	\$	711,218
TOTAL	100.00%	\$	6,184,507

TOTAL Operations Division Budget			
MEMBER UNIT			
Goleta Water District	39.93%	\$	2,503,778
City of Santa Barbara	35.45%	\$	2,223,001
Carpinteria Valley Water District	12.08%	\$	758,510
Montecito Water District	11.39%	\$	715,218
Santa Ynez River Wtr Conservation District, ID#1	1.15%	\$	60,705
TOTAL	100.00%	\$	6,261,212

FISHERIES DIVISION

Stetson, Hanson Consultants Only		FY 2015 -16	
MEMBER UNIT			
Goleta Water District	40.42%	\$	15,358
City of Santa Barbara	35.89%	\$	13,638
Carpinteria Valley Water District	12.20%	\$	4,635
Montecito Water District	11.50%	\$	4,368
Total allocated costs for Stetson, Hanson only	100.00%	\$	38,000

O & M, G & A, Special Projects			
MEMBER UNIT			
Goleta Water District	36.25%	\$	1,126,831
City of Santa Barbara	32.19%	\$	1,000,626
Carpinteria Valley Water District	10.94%	\$	340,070
Montecito Water District	10.31%	\$	320,486
Santa Ynez River Wtr Conservation District, ID#1	10.31%	\$	320,486
Total allocated costs for remaining FD budget	100.00%	\$	3,108,500

MEMBER UNIT			
Goleta Water District	10.20%	\$	1,142,190
City of Santa Barbara	9.06%	\$	1,014,264
Carpinteria Valley Water District	3.08%	\$	344,705
Montecito Water District	2.90%	\$	324,855
Santa Ynez River Wtr Conservation District, ID#1	2.82%	\$	320,486
TOTAL Fisheries Division Budget	28.06%	\$	3,146,500

MEMBER UNIT TOTALS			
Goleta Water District	38.92%	\$	3,645,967
City of Santa Barbara	34.56%	\$	3,237,266
Carpinteria Valley Water District	11.77%	\$	1,103,215
Montecito Water District	11.10%	\$	1,040,073
Santa Ynez River Wtr Conservation District, ID#1	3.65%	\$	381,192
TOTAL GROSS COMB BUDGET	100.00%	\$	9,407,713

CACHUMA OPERATION & MAINTENANCE BOARD

Draft Budget Allocation FY 2015-16		
		7/1/2015
Warren Act Trust Fund Offset		
		FY 2015 -16
Goleta Water District	36.25%	\$ (217,500)
City of Santa Barbara	32.19%	\$ (193,140)
Carpinteria Valley Water District	10.94%	\$ (65,640)
Montecito Water District	10.31%	\$ (61,860)
Santa Ynez River Wtr Conservation District, ID#1	10.31%	\$ (61,860)
TOTAL	100.00%	\$ (600,000)
County Betterment Fund Offset		
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 Conservation District, ID#1	10.31%	\$ (9,279)
TOTAL	100.00%	(\$90,000)
CDFW Grant Funding Offset		
Goleta Water District	36.25%	\$ (499,105)
City of Santa Barbara	32.19%	\$ (443,205)
Carpinteria Valley Water District	10.94%	\$ (150,626)
Montecito Water District	10.31%	\$ (141,952)
Santa Ynez River Wtr Conservation District, ID#1	10.31%	\$ (141,952)
TOTAL	100.00%	(\$1,376,840)
NET TOTAL COMB BUDGET		
Goleta Water District	39.38%	\$ 2,896,738
City of Santa Barbara	34.96%	\$ 2,571,950
Carpinteria Valley Water District	11.93%	\$ 877,103
Montecito Water District	11.25%	\$ 826,982
Santa Ynez River Wtr Conservation District, ID#1	2.49%	\$ 168,101
TOTAL		\$ 7,340,873
2015-16 Estimated Annual Interest Only EPFP Loan Payments		
Goleta Water District		\$ 47,250
City of Santa Barbara		\$ -
Carpinteria Valley Water District		\$ 14,250
Montecito Water District		\$ 13,500
Santa Ynez River Wtr Conservation District, ID#1		\$ -
TOTAL		\$ 75,000
Annual Budget plus estimated interest only loan payments		
Goleta Water District		\$ 2,943,988
City of Santa Barbara		\$ 2,571,950
Carpinteria Valley Water District		\$ 891,353
Montecito Water District		\$ 840,482
Santa Ynez River Wtr Conservation District, ID#1		\$ 168,101
TOTAL		\$ 7,415,873
Quarterly Assessments		
Goleta Water District		\$ 735,997
City of Santa Barbara		\$ 642,987
Carpinteria Valley Water District		\$ 222,838
Montecito Water District		\$ 210,120
Santa Ynez River Wtr Conservation District, ID#1		\$ 42,025
TOTAL		\$ 1,853,968

Notes:

- 1) General & Administrative Expenses are allocated at 65% Operations Division and 35% Fisheries Division with the exception of Legal Fees, Membership dues, Admin Fixed Assets, Education, Travel, Public Info
- 2) Directors fees are allocated equally among all member units using .20 as multiplier
- 3) COMB Buildings/Grounds Repair is allocated at Cachuma Entitlement Percentage
- 4) South Coast Operations Division is allocated at SCMU Entitlement Percentages
- 5) Fisheries Division is allocated at Cachuma Entitlement Percentages with the exception of Stetson and Hanson Consultants

CACHUMA OPERATION AND MAINTENANCE BOARD

FISCAL YEAR 2015-2016

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.

In September of 2010, the Cachuma Operation and Maintenance Board approved a budget adjustment effective January 2011 to transfer from CCRB the implementation of the Santa Ynez Fisheries Program as required by the 2000 Biological Opinion. The Lower Santa Ynez River Fish Management Plan (FMP) and the Cachuma Project Biological Opinion (BO) were issued in 2000, and a new Fisheries MOU was signed by all the interested agencies in 2001 to implement the flow and non-flow steelhead management actions developed over many years of study for the FMP and BO. Through these MOUs, a consensus based, long-term Fish Management Program was developed that provides protection for steelhead/rainbow trout downstream of Bradbury Dam through a combination of water releases from Bradbury Dam through the Hilton Creek watering system, and the removal or modification of numerous fish passage barriers to steelhead on tributaries to the mainstem Santa Ynez River. By implementing these actions, the parties to the MOU have created significant additional habitat for steelhead within the Santa Ynez River watershed.

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 regulating reservoirs: Glen Anne, Lauro, Carpinteria and Ortega reservoirs.

LABOR – 3100 - 3165

Operation and Maintenance Labor is actual labor costs of the total salaries and benefits for a six member field crew and an Operations Division Manager position. The benefits include medical, dental and vision insurance coverage, a \$20,000 life insurance policy per employee, an employee assistance program (EAP), and the Cal-PERS retirement contribution (2% @ 55%

Formula - All employees hired after January 2013 who are not classified as "classic" members will contribute 6.25% of the CalPERS retirement premium from their bi-weekly paycheck). The health, vision, dental and life insurance programs are selected through ACWA/JPIA. The Workers' Compensation premiums are based on payroll calculated at various percentages depending on the category of each employee (clerical, outside sales and field operations). FICA is a mandatory employer expense. A multiple policy discount has been applied as additional savings to the employee benefits program. The overall labor line item includes a 1.3% COLA per the annual calculation and reflects a slight decrease as compared to the prior year.

3103 Labor Operations	\$ 514,058
3155 CalPERS	72,497
3150 Health Insurance	163,861
3150 Workers Compensation	25,456
3160 FICA	<u>39,325</u>
Total of these accounts:	\$ 815,197

VEHICLES & EQUIPMENT - 3201 thru 3204

The Vehicles and Equipment account is made up of four sub-accounts 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 conveyance system. In particular, 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 vehicles, equipment or large tools as may be necessary in the fiscal year. Account 3203 includes all rental equipment charges necessary for operation. 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, work plan and number of items appropriately designated to be purchased from these accounts.

Totals by Account:	3201 Vehicle/Equip	\$ 30,000
	3202 Fixed Capital	15,000
	3203 Equip Rental	5,000
	3204 Misc.	<u>5,000</u>
		\$ 55,000

CONTRACT LABOR - 3301 thru 3304

The Contract Labor account contains funds for outside services/labor that cannot be supported by COMB staff which may include elevator repair, tree trimming and removal services, heavy equipment and operators' labor costs for various small projects, meter calibration and 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 extraordinary engineering, design or study projects. This account has increased from the prior fiscal year due to contracting with CCC and anticipated engineering services.

Totals by Account:	3301 Conduit, etc.	\$ 20,000
	3302 Buildings/Roads	20,000
	3303 Reservoirs	30,000
	3304 Engineering, misc.	<u>25,000</u>
		\$ 95,000

MATERIALS / SUPPLIES - 3401 thru 3403

The Materials and Supplies account covers costs related to operation and maintenance of the conduit, reservoirs, and outlying buildings and roads. This account includes funding for gravel, fencing, charts, locks, paint, fire extinguishers, etc. This account has increased due to the anticipated purchase of inventory and supplies for staff to complete projects within the Infrastructure Improvement Plan.

Totals by Account:	3401 Conduit, etc.	\$ 65,000
	3402 Buildings, Roads	15,000
	3403 Reservoirs, Misc	<u>10,000</u>
		\$ 90,000

OTHER EXPENSES - 3501 thru 3506

The Other 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. This account is budgeted slightly less than the prior fiscal year.

Totals by Account:	3501 Utilities	\$ 7,000
	3502 Uniforms	5,000
	3503 Communications	18,000
	3504 USA & Other Svcs	4,000
	3505 Misc.	8,000*
	3506 Training & Certs	<u>3,000</u>
		\$45,000

*Misc detail:

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

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

TOTAL O & M EXPENSES – Operations Division **\$1,100,197**

GENERAL AND ADMINISTRATIVE

Program Description

The General and Administrative (G & A) 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, audit, contractual 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. Most of the Administrative accounts are allocated between the Operations Division (65%) and the Fisheries Division (35%) according to payroll allocations.

DIRECTORS' FEES - 5000

This account reflects Directors' fees at a rate of \$128.00 per meeting and mileage expenses and remains unchanged from the previous fiscal year. The Directors will decide future increases by public meeting and change of ordinance. This cost is allocated at a 65% Operations and 35% Fisheries division allocation.

Total of this account: \$13,000

AUDIT - 5100

This account reflects costs for the annual COMB audit allocated 65% to the operations division and 35% to the fisheries division.

Total of this account: \$20,000

LEGAL - 5101

This account reflects costs for the COMB general counsel and any special litigation expenses. The legal line item for the Operations Division is budgeted the same as the prior fiscal year. Current years' legal expense may exceed budgeted amount.

Total of this account: \$100,000

UNEMPLOYMENT TAX - 5150

COMB belongs to 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 may arise. The calculation of this account is an estimate of possible claims.

Total of this account: \$ 5,000

LIABILITY / PROPERTY INSURANCE - 5200

This account reflects insurance costs for coverage provided by ACWA/JPIA for all general liability, property insurance (buildings, personal property, fixed equipment, and catastrophic coverage), crime coverage, employee dishonesty, and replacement costs. The general liability premiums are based on a formula that includes annual payroll as well as a three year loss history of claims.

The property insurance premiums are based on value of property in which coverage is provided. These costs are allocated between the Operations Division (65%) and the Fisheries Division (35%). The general liability and property insurance line item is an allocated cost between the Ops Division and the Fisheries Division.

Total of this account: \$ 42,705

HEALTH AND WORKERS' COMPENSATION, Retirees Medical - 5201

This account reflects costs for 65% of all administrative staff health premiums (medical, dental, vision & life), and employee assistance program (EAP), workers' compensation premiums as well as all retiree health premiums. The cost for health premiums is a set premium amount for each employee and their dependents, as well as eligible retirees. The health, workers compensation and life insurance programs were negotiated through ACWA/JPIA and although there have been substantial increases in the past, the premiums have remained competitive throughout the years. This line item includes a projected 10% increase in health premiums which may occur in January 2015 as well as an additional retiree health premium.

Total of this account: \$180,156

CalPERS - 5250

This account reflects costs for the California Public Employees Retirement System. The costs are based on 65% of salaries for all COMB administrative staff. COMB pays the employer and employee cost for classic members and new hires pick up 50% of the normal cost contributions. Our current employer contribution percentage remains relatively low. The calculation of this account is payroll driven.

Total of this account: \$ 58,692

FICA & MEDICARE - 5339

This account reflects 65% of the matching share of social security and medicare taxes for all administrative employees.

Total of this account: \$ 26,093

ADMINISTRATIVE SALARIES - 5300, 5301, 5304, 5306, 5307

This account reflects salaries for the specified positions of General Manager, Administrative Manager-AGM, Administrative Assistant III, an Administrative Assistant II, and a Program Analyst at 65% apportionment. The salaries for all administrative staff (except the GM) contain a 1.2% cost of living increase. The COLA calculation is based on a melding of both the Los Angeles / Riverside index with the US City average index for a 13 month rolling period. The salary for the General Manager is set by the COMB Board. This line item has been reduced due to attrition as compared to the prior fiscal year.

Total of these accounts: \$ 331,091

OFFICE EXPENSE & POSTAGE - 5310

The Office Expense & Postage account reflects the cost of all office supplies and postage for general and administrative tasks. General and Administrative expenses have been reduced to the lowest level of effective operation for FY 2015-16.

Total of this account: \$ 8,000

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. This account is slightly less as compared to the prior fiscal year.

Total of this account: \$ 8,000

MISCELLANEOUS ADMINISTRATIVE EXPENSE - 5312

This account contains funds necessary for office cleaning, board meeting supplies, outside payroll services, building alarm renewal, and miscellaneous expenses. General and Administrative expenses have been reduced to the lowest level of effective operation for FY 2015-16.

Office Cleaning	\$6,000
Paychex payroll costs	3,600
Misc expenses	<u>1,190</u>
Total of this account:	\$ 10,790

COMMUNICATIONS - 5313

This account contains funds necessary for the telephone service, long distance service, cable internet service, conference call service and cell phone service. General and Administrative expenses have been reduced to the lowest level of effective operation for FY 2015-16.

Total of this account: \$ 8,500

UTILITIES - 5314

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

Total of this account: \$ 9,737

MEMBERSHIP DUES - 5315

This account reflects membership dues for ACWA, ASME, APWA, AWWA, and subscriptions for professional publications. This account increased slightly due to anticipated rate increases for ACWA membership.

Total of this account: \$ 8,000

ADMINISTRATIVE FIXED ASSETS - 5316

This fiscal year's fixed assets include the purchase of new computers and replacement office furniture as needed. This account remains the same as compared to the prior fiscal year.

Total of this account: \$ 4,000

COMPUTER CONSULTANT - 5318

This account was established for an outside consulting company which provides monitoring and technical support for all of our information technology and computer related needs. This account has been reduced due to contracting with a new consultant on a time and materials basis.

Total of this account: \$ 15,000

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. This account remains the same as compared to the prior fiscal year.

Total of this account: \$ 2,000

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: \$ 2,000

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

TOTAL GENERAL AND ADMINISTRATIVE - Operations Division \$ 863,765

SPECIAL GENERAL AND ADMINISTRATIVE

INTEGRATED REGIONAL WATER MANAGEMENT PLAN - 5510

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

Total of this account: \$ 5,000

**TOTAL SPECIAL GENERAL AND ADMINISTRATIVE -
Operations Division \$ 5,000**

**INFRASTRUCTURE IMPROVEMENT PROJECTS - Operations Division
*(refer to Infrastructure Improvement Plan for FY 2015 projects)***

SCADA SYSTEM - 6062 \$ 50,000

COMB BUILDING AND GROUNDS REPAIR - 6090 \$550,000

GIS AND MAPPING - 6097

Over the past several years, COMB has developed a Geographical Information System by purchasing and maintaining 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 database is used daily for USA callouts and the newly developed maintenance management program.

Total of this account: \$ 10,000

SCC STRUCTURE REHABILITATION (AVAR/BO VALVES) - 6096 \$240,000

RIGHT OF WAY IDENTIFICATION PROGRAM - 6105 \$ 20,000

REPAIR LATERAL 3 STRUCTURE - 6118 \$ 20,000

NORTH PORTAL JET FLOW SPOOL INSTALLATION - 6121 \$ 5,000

REHABILITATE SAN ANTOINIO CREEK BLOW-OFF - 6122 \$ 10,000

SHEFIELD TUNNEL INSPECTION/EVALUATION - 6123 \$100,000

SOUTH PORTAL SLOPE STABILIZATION - 6124	\$ 50,000
INSTALL SECOND SUMP PUMP IN N.P. CHAMBER - 6125	\$ 35,000
REBUILD INFLOW RIP-RAP LAURO RESERVIOR - 6126	\$200,000
ENCROACHMENT - TREES / VEGETATIVE OVERGROWTH - 6127	\$ 25,000
LAURO TUNNEL PIPE SUPPORT EVALUATION - 6128	\$ 30,000
REHABILITATE SCC LOWER REACH LATERALS - 6129	\$ 50,000
NORTH PORTAL SLOPE STABILIZATION - 6130	\$ 50,000
WATERPROOF GATE SHAFT NORTH PORTAL - 6131	\$ 60,000
LOCATE DISCHARGE PIPES AT 4 BLOW-OFFS - 6132	\$ 40,000
CLEAN AND APPLY GROUT LAURO RESERVOIR - 6133	\$ 38,000
INFRASTRUCTURE IMPROVEMENT PROJECTS TOTAL	\$1,583,000

EMERGENCY PUMPING FACILITIES PROJECT - 6120

This line item will provide the resources necessary to pump water from the lake to the intake tower as the water level declines to a point where gravity flow no longer functions.

Total of this account: \$2,709,250

TOTAL IIP and Special Projects	\$ 4,292,250
TOTAL OPERATIONS DIVISION BUDGET	\$ 6,261,212

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 - 4152

The Fisheries Division Labor line item reflects labor costs and benefits for a two member field crew, a Senior Resource Scientist, and five part-time seasonal bio-aide positions. The benefits include medical, dental and vision insurance coverage, a \$20,000 life insurance policy per employee, deferred compensation, matching social security contributions, mandatory workers' compensation coverage, an employee assistance program (EAP), FICA/Medicare and a CalPERS retirement contribution (2% @ 55 formula). This line item includes a 1.3% COLA per the annual calculation.

4100 Labor Biology Field Crew	\$ 283,209
4114 Labor Seasonal Field Crew	82,500
4151 CalPERS	59,454
4150 Health Insurance	78,203
4150 Workers Compensation	18,651
4152 FICA	<u>27,977</u>
Total of these accounts:	\$ 549,994

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 or replacement of equipment or large tools as may be necessary in the fiscal year, specifically thermographs, digital camera, pressure transducers, and replacement probes for the three Sondes. 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	15,000
	4290 Miscellaneous	<u>2,500</u>
		\$ 30,500

CONTRACT LABOR – 4220, 4222

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. Completed tributary projects at Rancho San Julian, Cross Creek Ranch, Quiota Creek Crossing 6 and Quiota Creek Crossing 2 require annual performance evaluation; licensed fish passage engineers need to conduct the structural evaluation whereas the biological evaluation and report are done by COMB staff. This line item also contains funding for 50% of the CCC contract.

Totals by Account:	4220 Equip. Calib	\$ 3,000
	4222 Projects Maint.	<u>40,000</u>
		\$ 43,000

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 (pvc, netting, plywood, locks, waders, etc.) and the equipment necessary to conduct snorkel (dry suit, masks, snorkels, hoods, gloves, etc.) and redds surveys (waders, clipboards, etc). This account has increased considerably compared to the prior fiscal year due to the purchase of materials to construct new migration traps.

Total of this account:	\$ 7,000
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OTHER EXPENSES - 4502

The Other Operating Expenses account includes funds to pay for uniforms and 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
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TOTAL O & M EXPENSES – Fisheries Division **\$632,994**

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 65% - 35% basis between the Operations Division and the Fisheries Division based on payroll allocations. General and Administrative expenses have been reduced to the lowest level of effective operation for FY 2015-16.

DIRECTORS FEES - 5400

This account reflects Directors' fees at a rate of \$128.00 per meeting and mileage expenses. The increase from the prior year affiliated with this account is due to the inclusion of costs for any Special Board meetings and a more regular use of the Committee process. The Directors will decide future increases by public meeting and change of ordinance. This cost is allocated at a 65% Operations and 35% Fisheries allocation.

Total of this account: \$7,000

LEGAL - 5407

This account reflects the costs for General Counsel expense 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: \$ 6,300

LIABILITY/PROPERTY INSURANCE – 5443

This account reflects a portion of insurance costs for coverage provided by ACWA/JPIA for all general liability and property i.e., buildings, structures, computers, modular furniture, copiers, postage meters, vehicles and an increase in replacement costs of all properties belonging to COMB.

Total of this account: \$ 21,595

HEALTH AND WORKERS' COMPENSATION - 5401

This account reflects costs for 35% of all administrative staff health premiums (medical, dental, vision & life), and employee assistance program (EAP), deferred compensation and workers' compensation premiums. The cost for health premiums is a set premium amount for each employee and their dependents. The health and life insurance programs were negotiated through ACWA/JPIA and although there have been substantial increases in the past, the premiums have remained competitive throughout the years. This line item includes a projected 10% increase in health premiums which may occur in January 2015.

Total of this account: \$ 44,216

CalPERS - 5402

This account reflects costs for the California Public Employees Retirement System. The costs are based on 35% of salaries for all COMB administrative staff. COMB pays the employer cost (12.487%) and the employee cost (7%) of the retirement plan contributions. Our employer contribution percentage remains relatively low. The calculation of this account is payroll driven.

Total of this account: \$ 31,603

FICA & MEDICARE - 5403

This account reflects 35% of the matching share of social security and medicare taxes for all administrative employees.

Total of this account: \$ 14,050

SALARIES - 5404, 5405, 5408, 5409, 5419

This account reflects 35% of the salaries for the General Manager, Administrative Manager, Administrative Assistant III, Administrative Assistant I, Administrative Secretary, and the Water Resources Technician. This account increased from the prior fiscal year due to the increase in the GM salary budget and a 1.2% COLA increase.

Total for this account: \$183,665

POSTAGE / OFFICE SUPPLIES EXPENSE - 5410

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

Total of this account: \$ 3,000

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: \$ 5,218

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: \$ 5,810

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: \$ 4,305

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: \$ 5,243

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: \$ 4,000

ADMINISTRATIVE FIXED ASSETS - 5416

This fiscal year's fixed assets include the purchase of two new computers according to the replacement schedule and office equipment / furniture as needed.

Total of this account: \$ 4,000

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 Office Professional, WinZip, and Endnotes.

Total of this account: \$ 5,000

EMPLOYEE EDUCATION / 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: \$ 2,500

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: \$ 2,500

PUBLIC INFORMATION - 5431

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

Total of this account: \$ 1,500

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

\$ 376,506

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.

BO Compliance Tasks and Support**\$68,000**

This task addresses ongoing Cachuma Project Biological Opinion (BO) compliance efforts and implementation of the Lower Santa Ynez River Fisheries Monitoring Program (FMP). As needed, consultants will provide technical and analytical support and review of the fisheries monitoring program and any proposed study plans. This may require participation on the Science Advisory Committee to obtain consensus on the recommendations. A fish passage engineer will review, evaluate, and develop technical elements of fisheries related monitoring, fish passage and restoration program elements. In addition, this item includes bio-statistician support and genetic tissue analysis (fish fin clips) conducted by a National Marine Fisheries Service certified geneticist. Activities may involve background research, concept development, content development and production schematics support for the ongoing BO and FMP activities.

AMC and CC Participation and Technical Support**\$5,000**

Conference calls preparation and follow-up per call as well as participation in face-to-face meeting of the AMC and CC if necessary. Technical support to COMB in preparing work products for the AMC and the CC as required.

Review of Fisheries Monitoring Reports**\$27,000**

Review of any fisheries monitoring reports that are prepared by the Cachuma Project Biology Staff. These reports would be compliance measures for terms and conditions presented in the BO and would include the Annual Monitoring Report and technical memos prepared for Reclamation as well as the AMC, CC or COMB Board. This may include participation on the Science Advisory Committee to discuss comments on the reviewed reports.

Total of this account: \$ 100,000

GIS AND MAPPING - 6202

This account provides funds for the purchase and maintenance of the GIS and GPS system components, software (ESRI, AutoCAD, Field Maplet, MapLogic, PhotoShop), hardware, aerial imagery and GIS/GPS technical support.

Total of this account: \$ 10,000.

GRANTS AND SEMINAR TECHNICAL SUPPORT - 6203

This account provides funds for restoration grant technical evaluation and review to assure the most complete, thorough and competitive grant application possible in support of the Fisheries Program. In addition, these funds will be used for needed technical seminars on specific subjects in support of the endangered southern steelhead on the Lower Santa Ynez River.

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.

Total of this account: \$ 10,000

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: \$ 77,000

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

SYR RIVERWARE MODEL USE - 6210

This line item is to fund outside consultant costs for the SYR Riverware model use as it relates to the fisheries implementation program.

Total of this account: \$ 5,000

TOTAL PROGRAM SUPPORT SERVICES \$217,000

HABITAT ENHANCEMENTS

TRIBUTARY PROJECTS SUPPORT CONSULTANT - 6303

This line item is to fund technical assistance provided by a fish passage 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: \$ 20,000

OAK TREE RESTORATION PROGRAM - 6207

This line item is to fund the eighth 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: \$ 100,000

QUIOTA CREEK CROSSING No. 0 - 6312

This line item is to fund the continued design effort and construction of Quiota Creek Crossing 0 (a&b) which is slated to take place in the Fall of 2015. The CDFW has awarded grant funding of \$671,635 toward this project with a landowner match of \$50,000. Design engineering will continue toward 100% design level.

Total of this account: \$ 810,000

QUIOTA CREEK CROSSING No. 3 - 6313

This line item is to fund the construction of Quiota Creek Crossing No. 3 which will begin in the fall of 2015. The CDFW has awarded grant funding of \$705,205 with a COMB construction match of \$50,000. Design engineering will continue toward 100% design level.

Total of this account: \$ 930,000

QUIOTA CREEK CROSSING No. 4 - 6314

This line item is to fund the continued design effort on Quiota Creek Crossing No. 4 which will be used for NMFS and CDFW design approval as well as permitting with regulatory agencies and the County of Santa Barbara. Design engineering will continue toward 100% design level.

Total of this account: \$ 30,000

QUIOTA CREEK CROSSING No. 8 - 6315

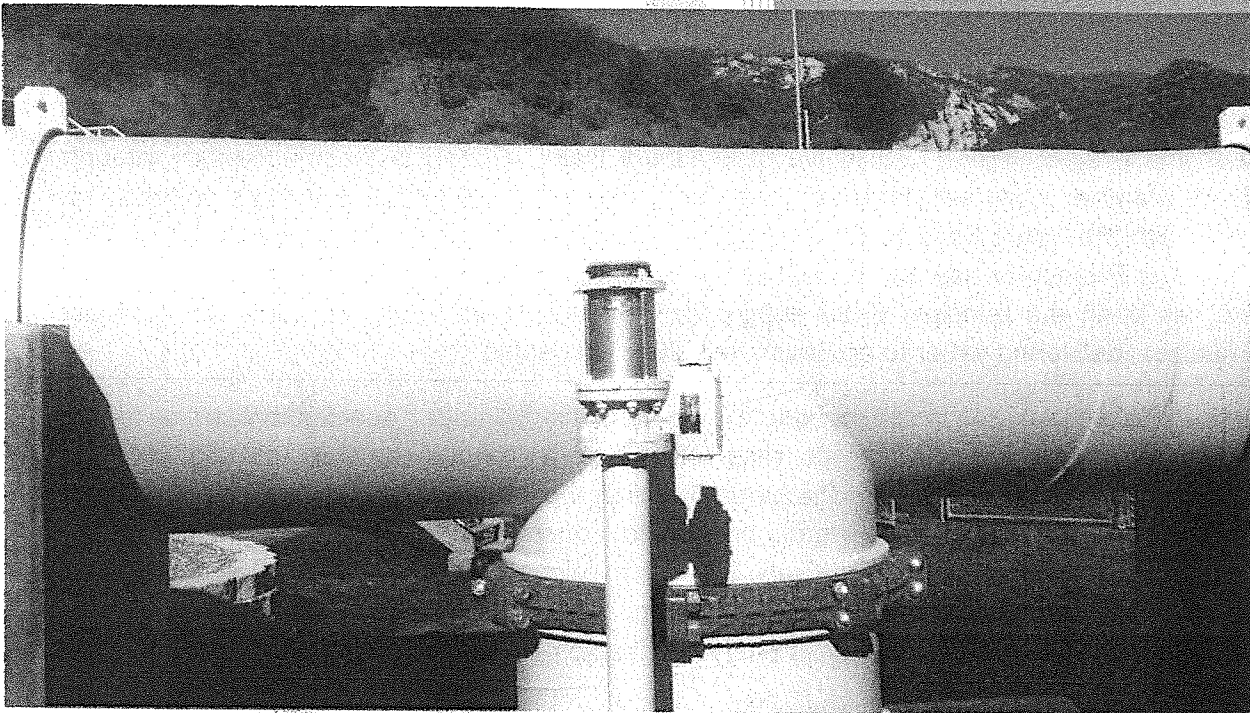
This line item is to fund the continued design effort on Quiota Creek Crossing No. 8 which will be used for NMFS and CDFW design approval as well as permitting with regulatory agencies and the County of Santa Barbara. Design engineering will continue toward 100% design level.

Total of this account: \$ 30,000

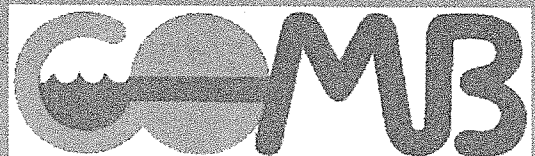
TOTAL HABITAT ENHANCEMENTS	\$1,920,000
TOTAL PROGRAM SUPPORT AND HIP:	\$2,137,000
TOTAL Fisheries Division BUDGET:	\$3,036,203
TOTAL COMB BUDGET 2015-2016	\$9,407,712

FY 2016-2020

Infrastructure Improvement Plan



Operations Division



Executive Summary

The Cachuma Project was constructed in the early 1950s by the United States Department of the Interior, U.S. Bureau of Reclamation under contract with the Santa Barbara County Water Agency on behalf of the Cachuma Project Member Units. The original cost of the Cachuma Project was approximately \$25.1 million. Using a CPI inflator, the present value is approximately \$212.7 million. This amount does not include labor costs increases, land use or environmental considerations that have evolved subsequent to original construction. Inclusion of these additional costs would result in a substantially higher replacement cost.

The Cachuma Member Units are the Carpinteria Valley Water District, City of Santa Barbara, Goleta Water District, Montecito Water District, and Santa Ynez River Water Conservation District-Improvement District No. 1. The Cachuma Operation and Maintenance Board (COMB) is a California Joint Powers Agency formed in 1956 by the Cachuma Member Agencies pursuant to an agreement with the U.S. Bureau of Reclamation (Reclamation). The agreement transferred to the Cachuma Member Agencies the responsibility to operate, repair and maintain all Cachuma Project facilities exclusive of Bradbury Dam. COMB is the mechanism through which the Member Agencies carry out that responsibility. The Member Agencies entered into contracts with the Santa Barbara County Water Agency for the purpose of receiving water from the Cachuma Project for use and benefit of the Member Agencies. Over the past fifty years, the Project has been the principal water supply for the Santa Ynez Valley and the South Coast Communities, delivering water to approximately 200,000 people.

Water from Lake Cachuma is conveyed to the South Coast Member Agencies through an intake tower located at the east end of the reservoir, which leads into the Tecolote Tunnel. The Tecolote Tunnel extends from Lake Cachuma 6.4 miles west through the Santa Ynez Mountains to Goleta. The South Coast conduit is concrete-lined; concrete encased steel extending twenty-six miles from Goleta to Carpinteria. There are four regulating reservoirs along the South Coast Conduit: Glen Anne Reservoir (518 acre-feet)(non-operational), Lauro Reservoir (600 acre-feet), Ortega Reservoir (65 acre-feet), and Carpinteria Reservoir (44 acre-feet).

The COMB Infrastructure Improvement Plan (IIP) provides critical component detail of the system to be improved, repaired or replaced to ensure the reliability of service. The IIP faces the challenge of balancing resource demands with available resources and provides the asset analysis necessary to determine project priority for budgetary decisions. The IIP guiding principal is to protect the dependent interest of the Member Units by ensuring each asset maintains regulatory compliance, reliability, and safety. The intent of the IIP is to set forth a reasoned decision-making methodology that will protect the asset to avoid increased future cost.

COMB management and staff developed this IIP to provide a methodology for COMB Directors to make cost effective capital improvement decisions. We, the Board, General Manager and COMB Staff, are proud to serve as the stewards of this public asset that provides the lifeline

Infrastructure Improvement Plan | FY 2016 - 2020

conveyance of water necessary for the economy and quality of life on the South Coast of Santa Barbara County.



Overview

1.1 Introduction

COMB's Five-Year Infrastructure Improvement Plan (IIP) is structured to identify and prioritize rehabilitation projects for COMB Board and Member Agency deliberation to enable budgetary decisions. The plan will facilitate the decision-making process for the allocation of resources to rehabilitate, improve and restore the Cachuma Project infrastructure to ensure the delivery of safe, reliable water to our Member Agencies. The IIP spans a five-year planning horizon and will be updated each year to reflect necessary changes. This dynamic document will be submitted to the Operations Committee for review of the project development process. The plan will correspondingly be submitted to the Administration Committee for budget development. Concurrent with Administration Committee review the plan will be forwarded the Member Agency General Managers for review and comment. Following Committee review, the IIP will be presented to the Board for approval and included in the annual Operating Budget.

1.2 Background

Operation and maintenance rehabilitation projects are historically a component of the COMB annual budget. The comprehensive identification of near and long-term projects over a 5-year planning horizon will be subject to annual addition and amendment as the identification and analysis of operation and maintenance evolves. Substantial asset rehabilitation planning work was accomplished through 2010, with the assistance of a contracted engineering firm. That effort developed a partial inventory of assets and prioritized those rehabilitation projects with short-term needs. The US Bureau of Reclamation (USBR) conducts site inspections every 3rd and 6th year of selected Cachuma Project facilities and components. However, the ranking categories used in their inspection reports do not provide a comprehensive basis for short and long-term planning and budgetary decision-making. This plan will incorporate elements of the previous contractually developed product, site inspections conducted by USBR, and projects identified by COMB Staff.

1.3 Purpose

The IIP provides an inventory of those assets determined to require rehabilitation over a 5-year planning horizon. The IIP identifies the improvements needed in the Cachuma Project System and sets forth review criteria to enable the prioritization of projects for budgeting and scheduling improvements during the five-year period. The IIP is designed in anticipation of review by COMB Directors and the Member Agencies served by COMB prior to presentation to the COMB Board of Directors for adoption as a component of the annual Operating Budget.

Projects included in the IIP are those capital projects that exceed \$25,000. The Infrastructure Improvement Plan will:

1. Display project ranking criteria to enable a structured analysis by each Director and Member Agency.
2. Identify infrastructure rehabilitation and improvement funding requirements for asset management planning.
3. Provide a comprehensive list of assets reviewed.
4. Serve as a strategic planning document.
5. Serve as the basis for COMB capital budget planning and development.
6. Serve as the basis for COMB Member Agency budget planning.
7. Serve as a comprehensive planning document for the Board of Directors and the public.

1.4 Evaluation Methodology Process

Step 1

- Evaluation/assessment of water delivery system and components.
- Deficiencies / Projects identified through contractor review, USBR, or COMB.

Step 2

- Rating Criteria developed to quantify the level of importance of identified projects.

Step 3

- Projects individually ranked and prioritized pursuant to rating criteria.
- Development of individual project summaries to provide information for decision-making review.

Projects may be shifted to out years and replaced with other approved projects based on conditions that would impact a shut-down of the South Coast Conduit or other considerations. Conversely, conditions that would allow a minimally disruptive shut-down may cause a project or projects to be moved forward. It is the intent to have projects shovel ready to enable completion during optimal conditions and to minimize shut-downs of the South Coast Conduit.

The South Coast Conduit has six shut-down valve locations extending from the South Portal that allows a locational shut-down of the system for maintenance and repair thereby reducing system disruption.

Description of Rating Criteria
Table 1

32%	<u>Water Supply Reliability</u>		
3	High	Major disruption to system and prohibits ability to operate and maintain water delivery	
2	Medium	Moderate impact to system and impedes ability to operate and maintain water deliver	
1	Low	No Impact to service or operation and maintenance activities	
30%	<u>Risk</u>		
3	High	Major consequence to O & M of system due to significant future cost increase by delaying project	
2	Medium	Minor consequence to O & M of system and between 25-50% future cost increase due to delay of project	
1	Low	Insignificant consequence to O & M of system and up to 25% future cost increase due to delay of project	
18%	<u>Critical Need/Life Cycle of asset</u>		
3	High	Potential to fail within one year or less; asset has reached expected service life	
2	Medium	Potential to fail with the next three years or identified as project by outside government agency	
1	Low	Potential to fail within the next five years	
12%	<u>Safety</u>		
3	High	Significant failure potential which will endanger agency personnel, property or other COMB assets	
2	Medium	Moderate failure potential which will endanger agency personnel, property or other COMB assets	
1	Low	Desirable safety upgrade for ease of operation and maintenance	
8%	<u>Service Disruption Necessary to Accomplish Project</u>		
3	High	Less than 12 hour service disruption to accomplish project	
2	Medium	12-48 hour service disruption to accomplish project	
1	Low	Greater than 48 hour service disruption to accomplish project	
100%	The criteria percentages were established using factors deemed important specifically to the Cachuma Project System.		

1.5 Funding

Funding of projects identified in the IIP will be determined annually by the COMB Board of Directors as a component of the development and approval of the annual budget. Fund sources for IIP implementation will be derived from either long-term or short-term financing, grants or ongoing assessments from each of the participating Member Agency Agencies.

1.6 Cost Estimates

The cost estimates included for each IIP project are derived from internal estimates or developed by professional engineering consultants. Estimates may change as more precise information becomes available.

1.7 Overview of Funding

The allocation of IIP funds is a separate component of the annual COMB Budget. Amendments to the IIP during the budget-year will be reviewed by the COMB Administrative Committee and require approval by the Board of Directors for any expenditure modification exceeding ten percent of the project amount. Expenditure authority for individual projects, unless otherwise directed, is available for three fiscal years following the date of approval.

Infrastructure Improvement Plan | FY 2016 - 2020

Table: 5-year Infrastructure Improvement Plan Scoring Matrix

Infrastructure Improvement Plan Projects	Page No.	Water Supply Reliability		Risk		Critical Need		Safety		Service Disruption		Ranking
		Weight:		Weight:		Weight:		Weight:		Weight:		
		Score	Wt.	Score	Wt.	Score	Wt.	Score	Wt.	Score	Wt.	
South Coast Conduit AVAR Riser Pipe Replacement *	11	3	32%	3	30%	3	18%	3	12%	1	3%	95%
South Coast Conduit Blowoff Valve Riser Pipe Replacement *	13	3	32%	3	30%	3	18%	3	12%	1	3%	95%
Repair Lateral 3 - Upper Reach *	14	3	32%	3	30%	3	18%	3	12%	1	3%	95%
North Portal Jet Flow Spool Installation Project *	15	3	32%	3	30%	3	18%	2	8%	1	3%	91%
South Coast Conduit Air Vacuum Air Release Valve Replacement / Relocation *	16	3	32%	3	30%	3	18%	2	8%	1	3%	91%
Mission Creek South Coast Conduit Crossing	17	3	32%	3	30%	2	12%	1	4%	3	8%	86%
Rehabilitate San Antonio Creek Blow-off *	19	3	32%	3	30%	2	12%	2	8%	1	3%	85%
Glen Anne Reservoir Rehabilitation	20	2	21%	3	30%	2	12%	3	12%	3	8%	83%
Sheffield Tunnel Inspection and Evaluation	22	3	32%	2	20%	1	6%	2	8%	3	8%	74%
South Portal Slope Stabilization	23	2	21%	2	20%	2	12%	3	12%	3	8%	73%
Inspect Interior of Ortega Outlet Pipe *	24	3	32%	2	20%	1	6%	2	8%	2	5%	71%
Inspect Interior of Sheffield Tunnel Pipe *	24	3	32%	2	20%	1	6%	2	8%	2	5%	71%
Inspect Interior of Lauro Dam Pipe *	24	3	32%	2	20%	1	6%	2	8%	2	5%	71%
Inspect Interior of Carpinteria Control Station Pipe *	24	3	32%	2	20%	1	6%	2	8%	2	5%	71%
Install a second sump pump in the lower chamber of the North Portal	25	2	21%	2	20%	2	12%	2	8%	3	8%	69%
Rebuild inflow Rip Rap at Lauro Reservoir	26	2	21%	2	20%	2	12%	2	8%	2	5%	67%
Encroachment - Trees and Vegetative Overgrowth	27	2	21%	2	20%	2	12%	2	8%	2	5%	67%
Lauro Tunnel Evaluation of Pipe Supports	28	2	21%	2	20%	2	12%	2	8%	1	3%	64%
Rehabilitate South Coast Conduit Lower Reach Lateral Structures *	30	2	21%	2	20%	1	6%	2	8%	2	5%	61%
North Portal Slope Stabilization	31	1	11%	2	20%	2	12%	2	8%	3	8%	59%
Tecolote Tunnel Concrete Deterioration Investigation *	32	1	11%	2	20%	2	12%	1	4%	2	5%	52%
Clean clogged weep holes in Tecolote Tunnel *	33	1	11%	2	20%	2	12%	1	4%	2	5%	52%
Investigate structural requirements of the steel collar between outlet works and 48-inch intake pipe at Lauro Tunnel	34	2	21%	1	10%	1	6%	1	4%	3	8%	49%
Waterproof gate shaft, in the North Portal	35	1	11%	1	10%	2	12%	1	4%	3	8%	45%
Locate Discharge Pipe; Outfalls at Four Blow-off Stations	36	1	11%	1	10%	1	6%	1	4%	3	8%	39%

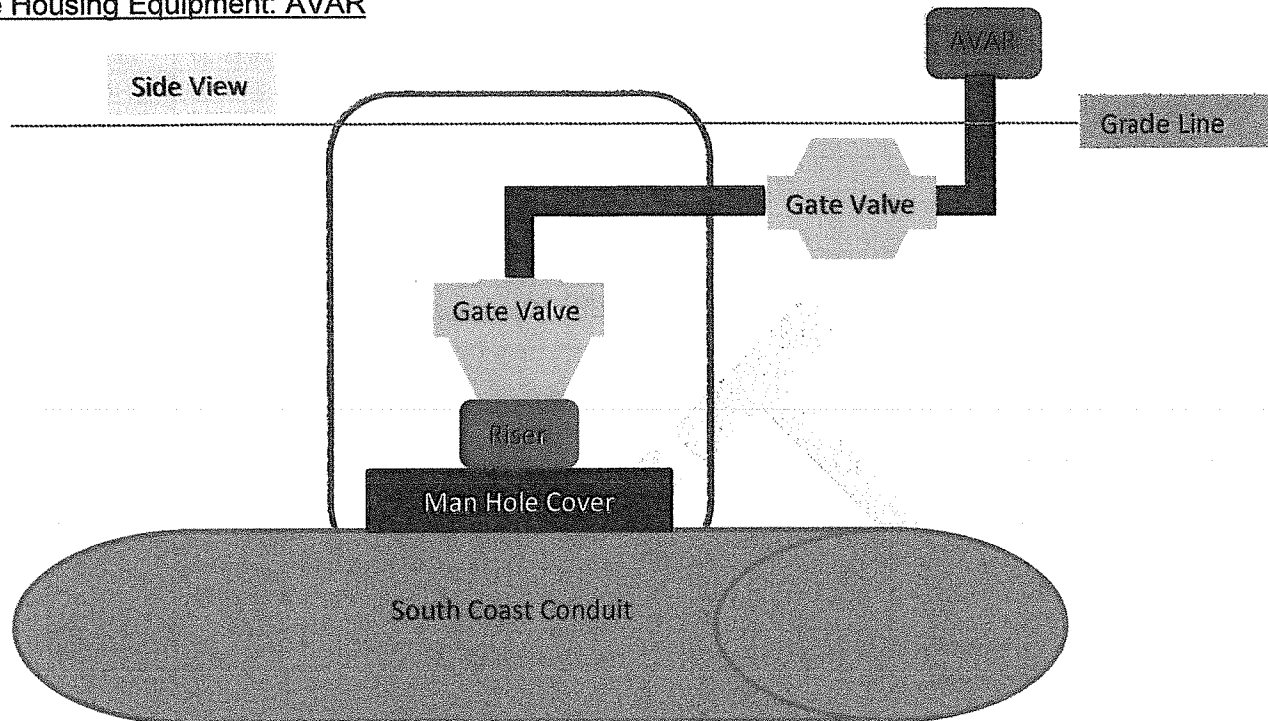
*Indicates System Shutdown required

Infrastructure Improvement Plan | FY 2016 - 2020

Table: 5-year Budget Matrix

Project Name	Ranking	2015-16	2016-17	2017-18	2018-19	2019-20	Totals
SCConduit AVAR Riser Pipe Replacement	95%	\$60,000	\$100,000	\$100,000	\$100,000	\$100,000	\$460,000
SCConduit Blow-off Riser Pipe Replacement	95%	\$130,000	\$225,000	\$225,000	\$225,000	\$225,000	\$1,030,000
Repair Lateral Structure 3 - Upper Reach	95%	\$20,000	\$100,000				\$120,000
North Portal Jet Flow Spool Installation	91%	\$5,000	\$30,000				\$35,000
South Coast Conduit Air Vacuum Air Release (AVAR) Valve Replacement / Relocation	91%	\$50,000	\$300,000				\$350,000
Mission Creek South Coast Conduit Crossing	86%	\$0	\$400,000	\$2,100,000			\$2,500,000
Rehabilitate San Antonio Creek Blowoff	85%	\$10,000	\$200,000				\$210,000
Glen Anne Reservoir Rehabilitation	83%	\$0	\$0	\$0	\$0	\$0	\$0
Sheffield Tunnel Inspection and Evaluation of SCC components	74%	\$100,000	\$300,000				\$400,000
South Portal Slope Stabilization	73%	\$50,000	\$750,000				\$800,000
Inspect interior of Ortega Outlet Pipe	71%				\$36,000		\$36,000
Inspect interior of Sheffield Tunnel Pipe	71%				\$20,000		\$20,000
Inspect interior of Lauro Dam Pipe	71%				\$12,000		\$12,000
Inspect interior of Carpinteria Control Station	71%				\$74,000		\$74,000
Install a second sump pump in the lower chamber of the North Portal	69%	\$35,000					\$35,000
Rebuild inflow Rip Rap at Lauro Reservoir	67%	\$200,000					\$200,000
Encroachment - Trees and Vegetative Overgrowth	67%	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000
Lauro Tunnel Evaluation of Pipe Supports	64%	\$30,000					\$30,000
Rehabilitate all South Coast Conduit Lower Reach Lateral Structures	61%	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
North Portal Slope Stabilization	59%	\$50,000	\$500,000				\$550,000
Tecolote Tunnel Concrete Deterioration Investigation	52%			\$100,000			\$100,000
Clean clogged weep holes Tecolote Tunnel	52%			\$200,000			\$200,000
Investigate structural requirements of the steel collar between outlet works and 48-inch intake pipe at Lauro Tunnel	49%		\$30,000				\$30,000
Waterproof gate shaft in the North Portal	45%	\$70,000					\$70,000
Locate Discharge Pipe; Outfalls at Four Blow-off Stations	39%	\$40,000					\$40,000
Lauro Office Building Replacement		\$300,000					\$300,000
Lauro Office Building Stabilization		\$250,000					\$250,000
Carpinteria Reservoir Security Fencing						\$41,500	\$41,500
Supervisory Control and Data Acquisition (SCADA) Updates		\$50,000	\$50,000				\$100,000
Right of Way Identification Program		\$20,000	\$20,000				\$40,000
Clean and Apply Grout into Leaking Cracks Inside Outlet Works Walls at Lauro Reservoir		\$38,000					\$38,000
Totals		\$1,583,000	\$3,080,000	\$2,800,000	\$542,000	\$441,500	\$8,446,500

Structure Housing Equipment: AVAR



The appurtenant structures involved with the South Coast Conduit system are depicted in the sketch above. These structures are identified as either Lateral structures, Air Vacuum Air Release (AVAR) structures, or Blow-off structures.

Divided into the Upper Reach (from the South Portal to Lauro Dam) and the Lower Reach (from the Cater Treatment Facility to Carpinteria), each structure contains a man hole cover, a riser, a gate valve and an air vacuum air release valve (AVAR). The concrete structures containing these components are called vaults and are located above and below ground level on top of the South Coast Conduit (SCC).

The total number of AVAR structures on the SCC is **57**.

The Upper Reach contains **31** AVAR structures and the Lower Reach contains **26** AVAR structures.

The internal components are described as follows:

- Man Hole Cover - sits directly on top of the pipe providing direct access inside the SCC.
- Riser component - serves as a connection between the manhole cover and the gate valve.
- Gate Valve - under normal operation this valve is open to allow the AVAR to function.
- AVAR - functions to allow volume of air to be exhausted from or admitted into the pipeline to protect the system from a loss of capacity and prevent the pipe from collapsing in the event of a break in the pipe.

AVAR	Total Structure	100% Complete	Need Man Hole	Need Riser	Need Gate Valve
Upper Reach	31	31	0	0	0
Lower Reach	26	6	20	20	20
Total	57	37	20	20	20

South Coast Conduit Riser Pipe Replacement – Air Vacuum Air Release Valve (AVAR) Structures (2014-C-62)

Project Ranking
95%

Estimated Cost: Phase I to V - \$460,000



Background

The riser pipe is the functional connection between the SCC and air vacuum air release valves (AVARs) located in the system. The AVARs function to allow volumes of air to be exhausted from or admitted into the pipeline to protect the system from a loss of capacity and to prevent the pipe from collapsing in the event of a break in the pipe. The riser pipe sits directly on top of a manhole cover and supports a gate valve that sits below the AVAR. Riser pipes exist at all # AVAR locations.

Need for Project

Twenty riser sections have been identified to be of questionable integrity because of varying degrees of corrosion and thus pose an operational risk. Replacement and/or relocation of the riser pipes affiliated with the air vacuum air release valves will ensure the functionality of this system component

Description

Replace manhole, riser pipes and the valves in the AVAR structures within designated locations in the system. The riser replacement and relocation project would be performed in several phases with consideration of operational impacts. For efficiency and to minimize cost, phases of this project will be performed concurrently with similar phases of the blow-off project. The project would require retention of engineering and contractor services.

This project will be completed over time and during low water demand months to reduce the impact of system shutdown. An assessment of condition and risk will determine the scheduling priority.

Regulatory Compliance

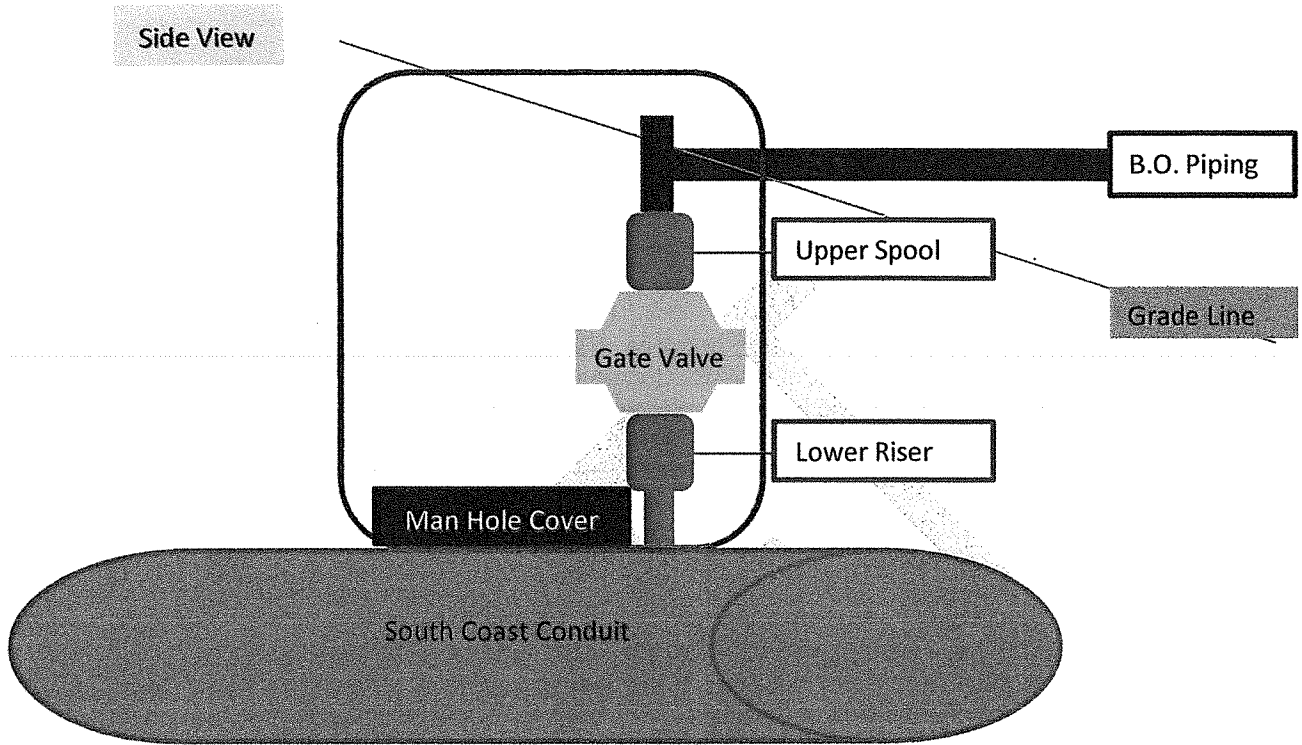
N/A

Budget & Schedule

Internal Staff Estimate

Fiscal Year	Cost
Fiscal Year 15-16 (Phase I – Engineering)	\$ 60,000
Fiscal Year 16-17 (Phase II – Construction)	\$100,000
Fiscal Year 17-18 (Phase III – Construction)	\$100,000
Fiscal Year 18-19 (Phase IV – Construction)	\$100,000
Fiscal Year 19-20 (Phase V – Construction)	\$100,000
Total	\$460,000

Structure Housing Equipment: Blow Off



The appurtenant structures involved with the South Coast Conduit system are depicted in the sketch above. These structures are identified as either Lateral structures, Air Vacuum Air Release structures, or Blow-off structures.

Divided into the Upper Reach (from the South Portal to Lauro Dam) and the Lower Reach (from the Cater Treatment Facility to Carpinteria), each structure contains a man hole cover, a lower riser, and upper riser, a gate valve and blow-off piping. The concrete structures containing these components are called vaults and are located above and below ground level on top of the South Coast Conduit (SCC).

The total number of blow-off structures on the SCC is 65.

The Upper Reach contains 34 blow-off structures and the Lower Reach contains 31 blow-off structures.

The internal components are described as follows:

- Man Hole Cover - sits directly on top of the pipe providing direct access inside the SCC.
- Riser component - serves as a connection between the Man Hole Cover and the Gate Valve.
- Blow Off Valve (Gate Valve) - functions to dewater the section of pipeline for the purpose of conducting repairs or responding to an emergency.

Blow Off	Total Structure	100% Complete	Need Man Hole	Need Lower Riser	Need Upper Riser	Need Gate Valve
Upper Reach	34	0	1	34	1	1
Lower Reach	31	0	27	31	27	27
Total	65	0	28	65	28	28

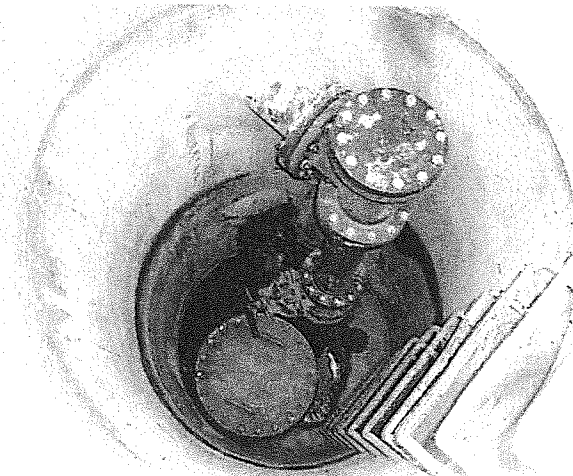
South Coast Conduit Blow-off Structure Rehabilitation (2013-1-42)

Project Ranking
95%

Estimated Cost: Phase I to V - \$1,030,000

Background

Blow-off structures exist on all low points of a water distribution system. The components included in these structures include man-hole covers, lower riser sections, an upper spool section, a gate valve, and blow-off piping. There are a total of sixty-five blow-off structures in South Coast Conduit system.



Need for Project

The existing blow-off components are of questionable operability because of corrosion. The dependability of these components is necessary to allow the system to be dewatered for maintenance and respond to an emergency break in the pipe.

There are twenty-eight manhole covers identified to be replaced. Sixty-five lower risers have been identified to be of questionable integrity because of corrosion. Twenty-eight gate valves and upper spools will need to be replaced due to age and fragility. Blow-off piping will be replaced on an as needed basis.

Description

The project consists of replacing the man hole covers, lower risers, gate valves, upper spools, and discharge piping within the Upper and Lower Reaches of the SCC. The project would be completed in conjunction with the AVAR valve replacement and relocation project and coordinated with the affected Member Units during the required system shutdown. Water released during the implementation of this project would require de-chlorination. The project would require retention of engineering and contractor services.

Regulatory Compliance

N/A

Budget & Schedule

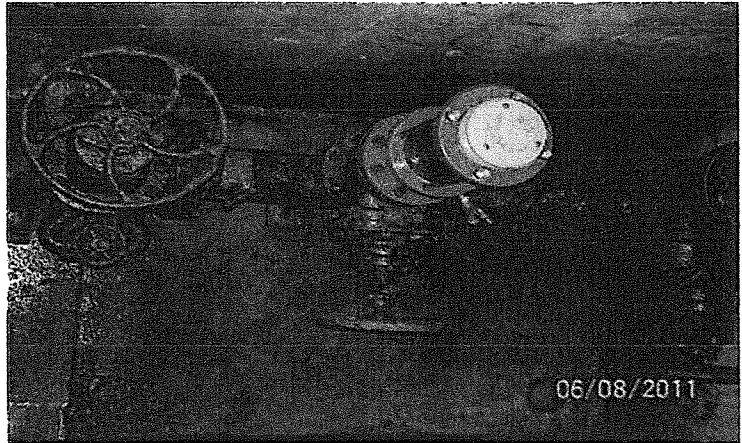
Internal Staff Estimate

Fiscal Year	Cost
Fiscal Year 15-16 (Phase I – Engineering)	\$ 130,000
Fiscal Year 16-17 (Phase II – Construction)	\$ 225,000
Fiscal Year 17-18 (Phase III – Construction)	\$ 225,000
Fiscal Year 18-19 (Phase IV – Construction)	\$ 225,000
Fiscal Year 19-20 (Phase V – Construction)	\$ 225,000
Total	\$1,030,000

**Repair of Lateral 3 – Upper Reach
(2013-C-47)**

Project Ranking
95%

Estimated Cost: \$120,000



Background

Lateral three is a multi-joint pipe configuration contained in a concrete vault located in the Upper Reach of the system. The vault contains a riser coming through the concrete floor, a meter, a valve, and affiliated piping. Lateral three originally functioned as an operational component of GWD. This lateral no longer operates as an operational component of GWD and currently functions as a blow-off structure.

Need for Project

The riser extending from the South Coast Conduit through the vaults' concrete floor was discovered to be leaking when the lateral was taken out of service. A temporary fix of mortar was placed on the pipe and the floor connection to eliminate leaking into the vault. Because of the fragility of this temporary fix, regular maintenance cannot be performed to the remaining components within the structure.

Description

The vault sits directly on top of the South Coast Conduit. The vault must be removed to access the riser component extending into the vault. Removing the vault will require replacing three sections of the South Coast Conduit. A new blow-off structure will be re-constructed in its place. The repair would require a shutdown of the SCC and coordination with impacted Member Agencies. The project would require retention of an engineering and contractor services.

Regulatory Compliance

N/A

Budget & Schedule

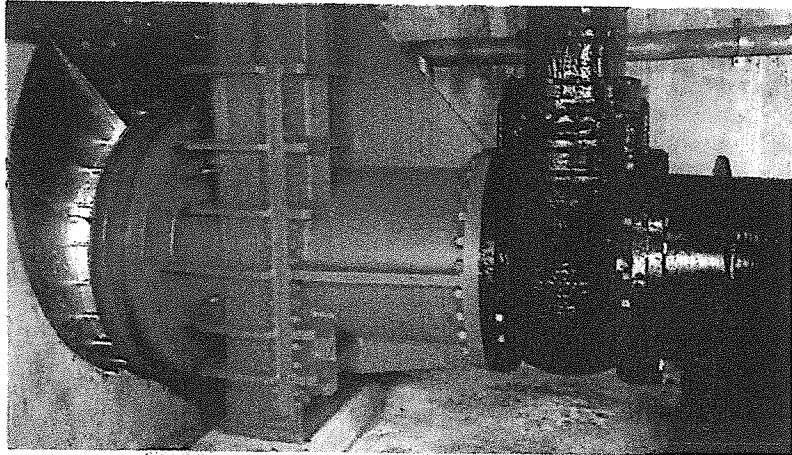
Internal Staff Estimate

Fiscal Year	Cost
Fiscal Year 15-16 (Engineering)	\$ 20,000
Fiscal Year 16-17 (Construction)	\$100,000
Total	\$120,000

**North Portal Jet Flow Spool Installation Project
(2015-C-1)**

Project Ranking
91%

Estimated Cost: \$35,000



Background

Located at the base of the Tecolote Tunnel, the Jet Flow Control Valve is the primary flow control of water from Lake Cachuma into the South Coast Conduit. The Valve is located within the red piping component as pictured above. It is operated through the SCADA system. The adjacent gate valve (black) can manually be used as an alternate method to control flow through the tunnel. This valve was replaced in 1990 and has a useful life of approximately thirty years. Internal replacement components of the valve were approved in the 2014-15 budget and have been purchased.

Need for Project

Because of the valves uncertain useful life, replacement of the internal components should be a near term consideration. The manufacturer estimates a rebuild time of approximately three days. The installation of a pipe spool as a temporary bypass would enable the delivery of water to the tunnel during the time of the valve rebuild. This spool would also serve an emergency function in the event of a future valve failure.

Description

A 30-inch, five foot long piece of pipe with flanged ends would be fabricated to have on-site and ready for installation at the time of internal valve component replacement. The spool would be lowered by crane into the lower gallery of the North Portal through the elevator shaft.

Regulatory Compliance

N/A

Budget & Schedule

Internal Staff Estimate

Fiscal Year	Cost
Fiscal Year 15-16 (Engineering)	\$5,000
Fiscal Year 16-17 (Installation)	\$30,000
Total	\$35,000

**South Coast Conduit Air Vacuum Air Release (AVAR) Valve Replacement / Relocation
(2012-1-26)**

Project Ranking
91%

Estimated Cost: Phase III - \$350,000

Background

Air vacuum air release valves (AVAR) are float operated valves which are common to water delivery systems. The AVAR's function to allow volumes of air to be exhausted from or admitted into the pipeline to protect the system from a loss of capacity and prevent the pipe from collapsing in the event of a break in the pipe. There are twenty-six AVARs on the Lower Reach of the SCC. Of these, thirteen have been rehabilitated.

COMB staff will complete seven of the remaining AVAR's during this fiscal year. Six will be completed by an outside contractor during the following two fiscal years. Replacement of the AVARs was a 2013 USBR Category 1 recommendation. The 2014-15 budget approved \$150,000 as the initial phase of this project.



Need for Project

Six remaining AVAR valves pose an operational risk or do not meet current required regulatory standards. Because of the location and operational configuration of the remaining six AVARs, this project would be completed by a retained contractor and require preliminary engineering,

Description

Replace and relocate to above ground sites AVARs in the Lower Reach. Consistent with other AVAR replacements, manhole covers, gate valves, risers, laterals and AVAR valves would be replaced at the same time. Each AVAR valve would be relocated and enclosed above grade. The project would require coordination with impacted MUs during the required shutdown of the SCC. The project would require retention of engineering and contractor services.

Regulatory Compliance

This project has been identified by the USBR as a Category 1 recommendation.

Budget & Schedule

Internal Staff Estimate

Fiscal Year	Cost
Phase III (Fiscal Year 15-16) Engineering	\$ 50,000
Phase III (Fiscal Year 16-18) Construction	\$300,000
Total	\$350,000

Reference

September 2006 Boyle "Phase 2 Reliability Study for South Coast Conduit Upper Reach Tecolote Tunnel to Corona Del Mar Water Treatment Plant and Carpinteria Reach South Coast Conduit Booster Pump Station to Ortega Reservoir" Figure 4-3 and Figure 4-4. Boyle April 2005 "Reliability and Alternatives Study for the South Coast Conduit Carpinteria Reach Cater Booster Pump Station to Ortega Reservoir" Page 81

Mission Creek South Coast Conduit Crossing (2013-C-56)

Project Ranking
86%

Estimated Cost: Phase I to II - \$2.5 million

Background

The South Coast Conduit (SCC) crosses Mission Creek at approximate pipeline Station 74+00, 25 feet downstream of the County road Highway 192 Bridge. The SCC suffered damage in the 1970s when a large boulder tumbled on top of the pipe creating a hole in the pipe. Through an emergency retrofit project, a concrete cap was placed over the pipeline at the current flow line to prevent channel bed scour beneath the bridge footings and the SCC. The concrete cap acts as a grade control structure and is now undermined due to stream scour on the downstream side of the pipeline and concrete apron. The exposed pipe is subject to further damage from boulder impacts during stormflow events as well as material deterioration from exposure to oxygen and water. As part of the U.S. Bureau of Reclamation (USBR) Phase 2 Reliability Study for the SCC conducted in 2006 and a subsequent site inspection during 2014, this site was identified as a priority due to the potential for failure of the SCC.



The existing concrete apron is intended to protect the pipeline and the Highway 192 Bridge footings but has resulted in a barrier to migrating juvenile and adult endangered southern steelhead (*Oncorhynchus mykiss*, *O. mykiss*) within the creek. Mission Creek has been identified as a Core 1 watershed for steelhead recovery by the National Marine Fisheries Service (NMFS) in their Southern California Steelhead Recovery Plan (NMFS, 2012). As a result, this project will be required to meet fish passage considerations and therefore constructed in conjunction with a fish passage project. The City of Santa Barbara has now completed three fish passage projects on Mission Creek downstream of the Hwy 192 Bridge. The subject project is the next significant fish passage impediment upstream. Questa Engineering was contracted by the City of Santa Barbara to evaluate fish passage options and provided a report in 2008. Several design workshops have been held since then with the regulatory agencies and a riffle and step-pool sequence has been determined to be the preferred alternative (Questa Engineering, 2012); design specifics will depend on the horizontal and vertical placement of the SCC below the streambed.

Need for Project

The SCC at Mission Creek is the primary water supply for the cities of Carpinteria, Montecito and a large portion of Santa Barbara. The vulnerability of the pipeline to failure resulting from further structural damage and/or corrosion poses an operational risk. The project would remove a section of the SCC and construct a new section encased in concrete at a lower elevation well below the streambed to protect it from damage by scour. At the same time, the concrete apron and channel downstream would be altered to provide fish passage while protecting the Highway 192 Bridge footings. Project designs would be reviewed and approved by the City of Santa Barbara, County of Santa Barbara, NMFS and California Department of Fish and Wildlife to meet road, pipe and fish passage design standards.

Infrastructure Improvement Plan | FY 2016 - 2020

Description

COMB would retain engineering services to conduct an evaluation of the site and develop designs to be reviewed and approved by local, state and federal regulatory agencies as well as work collaboratively with the adjacent landowners. Once an acceptable design has been developed, COMB would then determine funding options for construction of the project.

Phase I (Fiscal Year 2016-17): Evaluation, design, project planning, grant writing

Phase II (Fiscal Year 2017-18): Project Construction

Regulatory Compliance

EIR/EIS and full environmental review and compliance will be a required project component.

Budget & Schedule

Internal Staff Estimate

Fiscal Year	Cost
Phase I (Fiscal Year 16-17)	\$ 400,000
Phase II (Fiscal Year 17-18)	\$2,100,000
Total	\$2,500,000

Reference

"Phase 2 Reliability Study for South Coast Conduit Upper Reach Tecolote Tunnel to Corona Del Mar Water Treatment Plant and Carpinteria Reach South Coast Conduit Pump Station to Ortega Reservoir" Boyle April 2008 Page 100 and Table 8-1.

September 2006 Boyle "Phase 2 Reliability Study for South Coast Conduit Upper Reach Tecolote Tunnel to Corona Del Mar Water Treatment Plant and Carpinteria Reach South Coast Conduit Booster Pump Station to Ortega Reservoir" Page 100 and Table 8-1.

NMFS, 2012. Final Southern California Steelhead Recovery Plan, National Marine Fisheries Service (NMFS-NOAA), Long Beach, CA.

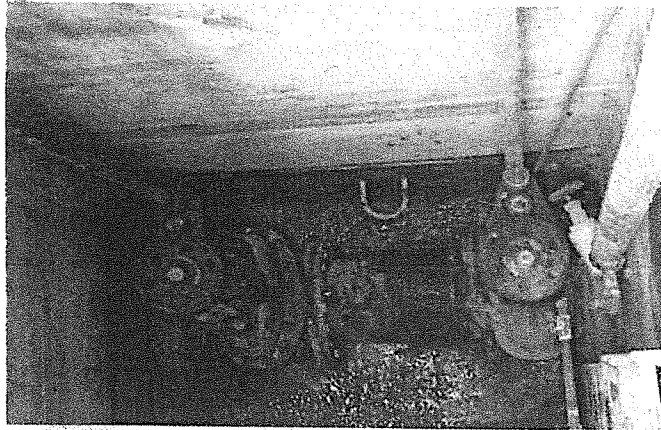
Questa Engineering, 2008. Highway 192 at Mission Creek South Coast Conduit Rehabilitation and Fish Passage Improvement Project. Questa Engineering Corporation. Prepared for the City of Santa Barbara, November.

Questa Engineering, 2012. Highway 192 at Mission Creek South Coast Conduit Rehabilitation and Fish Passage Improvement Project Design Review. Prepared for the Cachuma Operation and Maintenance Board.

**Rehabilitate San Antonio Creek Blow-off
(2012-2-35)**

Project Ranking
85%

Estimated Cost: Phase I and II - \$210,000



Background

The San Antonio Creek blow-off structure was constructed as an addition to the Cachuma Project facilities in 1958. It was constructed to provide a method for water release and draining of Lauro Reservoir during an Emergency Scenario. The structure's sole purpose is to respond to dam safety considerations.

Need for Project

The existing structure includes a 16-inch and a 12-inch gate valve that are both frozen in place and inoperable because of age and corrosion. The inoperable condition of the valves prevents regular maintenance. The two valves serve as a lifeline control response to an emergency that would require COMB to drain or reduce the elevation at Lauro Reservoir in response to dam safety considerations.

Description

San Antonio Creek blow-off structure is twenty-five feet deep and a quarter of a mile from the access road which crosses San Antonio Creek, making access difficult and potentially complicated. The 16 and 12 inch valves would be removed and replaced. The project will require a shutdown of the South Coast Conduit.

Phase I Fiscal Year 15-16: Engineering and Design

Phase II Fiscal Year 15-16: Construction

Regulatory Compliance

The structure is located in a county park and may require environmental review because of access restrictions. This project has been identified by the USBR as a Category 2 recommendation.

Budget & Schedule

Internal Staff Estimate

Fiscal Year	Cost
Fiscal Year 15-16 (Engineering)	\$ 10,000
Fiscal Year 16-17 (Construction)	\$200,000
Total	\$210,000

Glen Anne Reservoir Safety of Dams Rehabilitation Project (2011-C-57)

Project Ranking
83%

Estimated Cost: Phase I to IV - \$33,500,000
Federal share: \$28,475,000
MU Share: \$5,025,000
(SOD Act Repayment over time)



Background

Glen Anne is one of four regulating reservoirs on the Cachuma Project facilities. Glen Anne Reservoir had an initial storage capacity of 500AF. Due to seismic stability requirements and risk of failure potentially causing catastrophic damage downstream, the maximum capacity was limited to 375AF in 1988. In 2002 it was limited again to 175 AF maximum capacity. Glen Anne Reservoir is no longer in service, but COMB continues regular maintenance and inspections as required by the USBR.

Need for Project

The ability to store water in all system reservoirs is critical to water delivery during a shutdown of the Tecolote Tunnel. Further, Glen Anne is important as a balancing reservoir to enable work on other system reservoirs and appurtenances to the SCC. The inoperability of Glen Anne impacts all Member Agencies.

Raw water storage in the Upper Reach is critical to allow the Tecolote Tunnel to shut down for repairs while allowing Goleta Water District to continue to deliver water to their customers. This can be accomplished by upgrading Glen Anne Reservoir and Dam. This project will benefit all of the Member Agencies on the South Coast, by providing additional storage capacity, increase efficiency and reliability of COMB facilities, reduce the complexity of shut-downs, simplify scheduled repairs of the Tecolote Tunnel and aid in fire protection and flood control.

Description

Dam seismic safety and other operational problems that exist because of deterioration would be addressed. Adjacent pumps and delivery system piping will be restored to operability. Remediation components will likely include removing the silt to allow operation at designed capacity and replacement of deteriorated 12 inch thick asphaltic concrete liner.

Seismic retrofit will like include installation of shear key and berm installed down to the bedrock to resolve the existing potential for liquefaction.

Phase I (Fiscal Year 14-15): Investigation of project phasing and potential grant funding

Phase II (Fiscal Year 15-16): Initial studies and preliminary Engineering

Phase III (Fiscal Year 16-17): Engineering

Phase IV (Fiscal Year 17-18): Construction

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Regulatory Compliance

Environmental Review performed by USBR

Budget & Schedule	Internal Staff Estimate
Fiscal Year	Cost
Phase I (Fiscal Year 14-15)	\$ 0
Phase II (Fiscal Year 15-16)	\$ 0
Phase III (Fiscal Year 16-17)	\$ 0
Phase IV (Fiscal Year 17-18)	\$ 0
Total	\$33,500,000 (15% SOD Act repayment)

DRAFT

**Sheffield Tunnel Inspection and Evaluation of South Coast Conduit Components
(2007-2-33)**

Project Ranking
74%

Estimated Cost: Phase I-II - \$400,000



Background

The Sheffield Tunnel is a concrete tunnel housing the 36" SCC that extends 6,100 feet through rising geology on the south side of Foothill Road. Within the tunnel, sections of concrete pipe are connected and joined with mortar joints and pipe supports to maintain the integrity of the pipe collar connections.

Need for Project

The USBR inspection report of the Sheffield Tunnel identified and recommended remediation of cracked pipe collars and adjoining deterioration of mortar joints and pipe supports. Deterioration potentially compromises the integrity of the tunnel and poses an operational risk. Heavy seepage appears to be a contributing factor to deterioration.

Description

Retain outside engineering to conduct an evaluation of the identified deterioration to determine the structural integrity and reliability of the connecting and support structure of Sheffield Tunnel. Engineering evaluation will include recommended repairs and determine how to eliminate areas of heavy seepage. It is possible the engineering evaluation could find a lower cost remedy to that recommended by USBR. Upon completion of the evaluation retain a qualified contractor to repair the deteriorated mortar joints and pipe supports at locations identified.

Phase I Fiscal Year 15-16: Evaluation of Tunnel deterioration
Phase II Fiscal Year 16-17: Remediation design based on the evaluation

Regulatory Compliance

This project has been identified by the USBR as a Category 2 recommendation.

Budget & Schedule	Internal Staff Estimate
Fiscal Year	Cost
Phase I Fiscal Year 15-16	\$100,000
Phase II Fiscal Year 16-17	\$300,000
Total	\$400,000

**South Portal Slope Stabilization
(2014-C-59)**

Project Ranking
73%

Estimated Cost: Phases I & II - \$800,000



Background

The Modified Upper Reach Reliability Project (MURRP) is sited at the base of Glen Anne Canyon that has a history of landslides because of unstable terrain. The MURRP contains open vents that are vulnerable to landslides. During 1995 a slide engulfed the old South Portal Structure. The hillside was excavated to create additional space for the new South Portal Configuration on the MURRP. Slope stabilization was not addressed as a component of the project. The site has been temporarily protected with two concrete road barriers (K-rails) that are inadequate.

Need for Project

Existing slope instability has the potential to cover the South Portal Configuration on the Modified Upper Reach Reliability Project adversely affecting access and causing soil infiltration into the SCC. Multiple professionals have visited the site and concur with the risk identified.

Description

Phase I (Fiscal Year 2015-16): Geotechnical Study/Engineering Design to identify the most economic method to stabilize the slope and protect the asset.

Phase II (FY 2016-17): Slope Stabilization and remediation based on design plan completed in Phase I.

Regulatory Compliance

N/A

Budget & Schedule

Internal Staff Estimate

Fiscal Year	Cost
Fiscal Year 15-16	\$ 50,000
Fiscal Year 16-17	\$750,000
Total	\$800,000

Inspect Interior of:

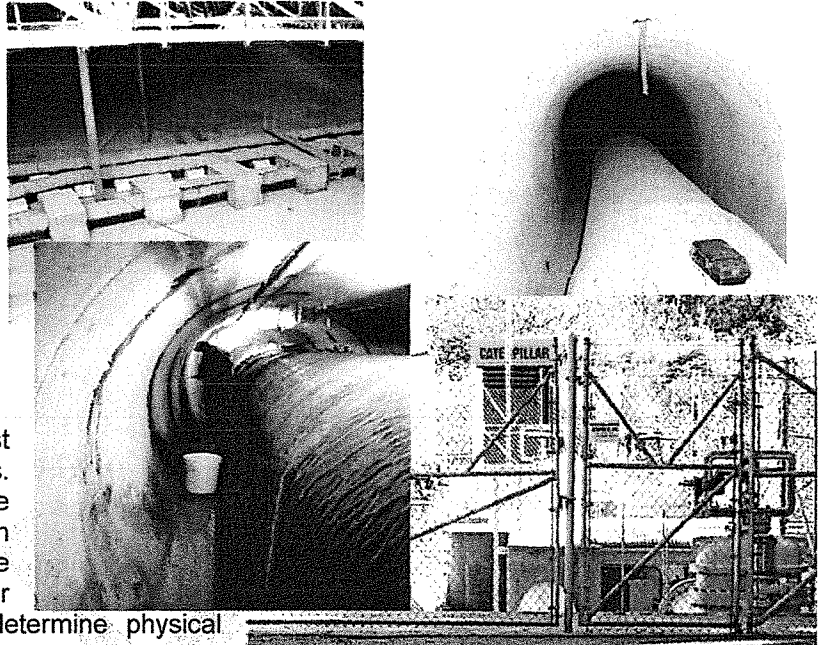
- Ortega Outlet Pipe (2013-2-20)
- Sheffield Tunnel Pipe (2001-2-28)
- Lauro Dam Pipe (2001-2-10)
- Carpinteria Control Station (2013-2-39)

Project Ranking
71%

Estimated Cost: \$142,000

Background

Under the direction of USBR, the South Coast Conduit (SCC) was completed in the mid-1950s. During its service life, the archives indicate, aside from normal wear and tear, the system appurtenances have exceeded designed life. The USBR requires COMB to perform interior inspections on facilities every six years to determine physical integrity.



Need for Project

Because certain system components and appurtenances have exceeded projected useful life, an evaluation should be conducted to ensure system integrity and identify potential performance weaknesses. This inventory and examination will serve as a basis for future IIP development.

Description

Contract services would be retained to perform the examination and document current condition and issues requiring attention. It is anticipated entry into the conduit would likely occur through AVAR locations, which would allow the team to move from high points in the line toward the lower spots where blow-off structures exist. The conduit would need to be ventilated safely to ensure safe ingress/egress. This examination would require MU coordinated shutdowns.

The inspection will focus on locations subject to corrosion and wear beginning with the interiors of outlet piping from all reservoirs leading to the control building. Because of the unique structural characteristics of Ortega Reservoir, COMB would contract with an engineering firm with specialized capabilities including structural analysis, video inspections (piping/tunnel), etc. Each inspection would require the contractor to prepare an analysis in a format designed by COMB and coordinated with USBR. Once complete, COMB would submit the plans to USBR for review and approval.

Regulatory Compliance

USBR Category 2 recommendation and required to meet SOP requirements.

Budget & Schedule

Internal Staff Estimate

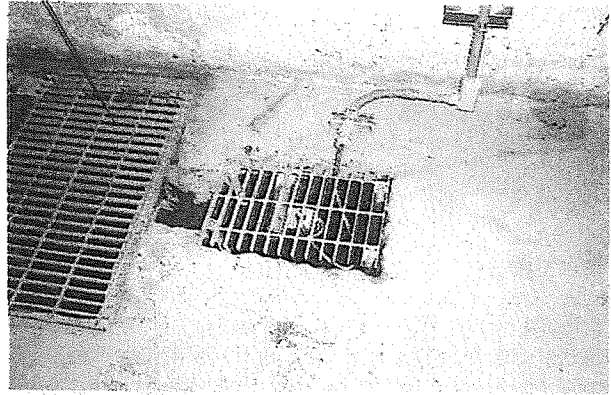
Fiscal Year 18-19	Cost
Ortega Outlet Pipe	\$ 36,000
Sheffield Tunnel Pipe	\$ 20,000
Lauro Tunnel Pipe	\$ 12,000
Carpinteria Control Station	\$ 74,000
Total	\$142,000

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Install Second Sump Pump in the Lower Chamber of the North Portal (2012-2-36)

Project Ranking
69%

Estimated Cost: \$35,000



Background

The bottom of the North Portal chamber contains a sump pump to mitigate the impact of water intrusion into the elevator shaft and upper and lower gate chambers. The sump pump is sited below grade at the bottom of the chamber and effectively removes standing water, acting as a protection against corrosion for all below ground equipment.

Need for Project

Installation of a second sump pump would provide redundancy to the existing sump pump. If the first sump pump fails or is overcome by excess water, the second sump pump would ensure water is pumped out of the chamber.

Description

Contracted electrical services would be retained to install and integrate the new pump into the existing pump control system.

Regulatory Compliance

This is a USBR Category 2 recommendation.

Budget & Schedule

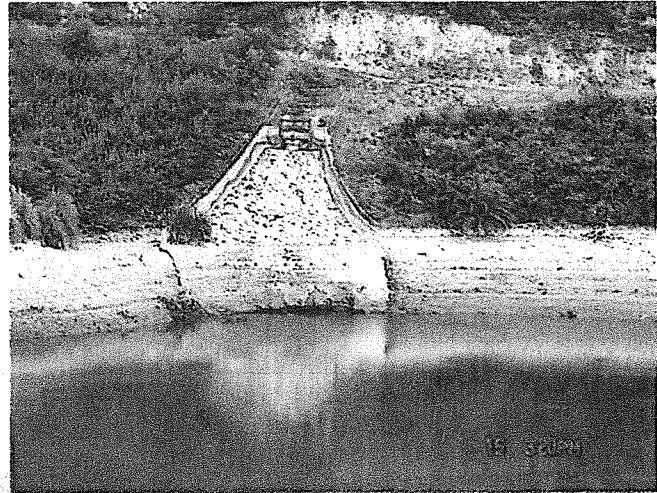
Internal Staff Estimate

Fiscal Year	Cost
Fiscal Year 15-16	\$35,000
Total	\$35,000

**Rebuild the Inflow Rip Rap at Lauro Reservoir
(2013-C-15)**

Project Ranking
67%

Estimated Cost: \$200,000



Background

The inflow to Lauro Reservoir from the South Coast Conduit commences with water flow on a channel composed of rip rap rock installed to slow and aerate the inflow of water and prevent erosion to reservoir side walls. The rip rap structure is composed of rock and concrete and is designed to prevent scour or erosion of the adjacent side walls.

Need for Project

The lower portion of the rip rap apron has been undermined across the base of the reservoir. The rip rap apron measures approximately twenty-five feet in length and is in need of repair. Without repair of the apron, water flow will erode the embankment and the base of the channel will become unable to support the rip rap structure. Loss of the rip rap would make the inflow structure unable to fulfill its required function.

Description

A structural engineering firm would conduct an evaluation to determine an appropriate repair to maintain the essential support and integrity of the rip rap channel. The reservoir would need to be lowered to accommodate inspections and repairs.

Phase I Fiscal Year 2015-16: Engineering and Construction

Regulatory Compliance

N/A

Budget & Schedule

Internal Staff Estimate

Fiscal Year	Cost
Fiscal Year 15-16 (Engineering and Construction)	\$200,000
Total	\$200,000

**Encroachment – Trees and Vegetative Overgrowth
(2010-2-1-A)**

Project Ranking
65%

Estimated Cost: Phase I to V - \$125,000



Background

The 2012 USBR inspection identified tree and vegetative overgrowth throughout various reaches of the SCC alignment. While no one site was called out in the inspection, the recommendations included remediation of tree and vegetative overgrowth. COMB staff is in the process of identifying the tree and vegetative overgrowth conditions that potentially pose operational risk to the SCC.

Need for Project

COMB staff inspection has initially identified two trees located on or adjacent to the SCC that pose an operational risk to the SCC because of size and weight. The identification of trees and other encroachments on the easement is an evolving project to be amended annually as more tree and vegetative encroachments are identified.

Description

The two examples trees provided, that serve as an example of a larger problem, would be removed. The removal would be coordinated with the responsible permitting agency and conducted by a licensed contractor. The initial cost estimate to remove the trees cited is \$7,000. This number will increase as additional tree and vegetative overgrowth are identified. The project and associated costs of each risk identified would be phased over the 5-year IIP. Trees either directly above the conduit or immediately adjacent to the SCC that pose the most immediate risk would be scheduled for removal. The annual cost estimate is a best guess and would change based on the sites identified. Staff has also identified structures that exist within the easement. Additional research is necessary to identify the location of these structures in relation to the SCC and any apparent operational risk. It is anticipated detail on structures would be included as a separate item in a future IIP.

Regulatory Compliance

Project will require coordination with the responsible permitting agency.

Budget & Schedule

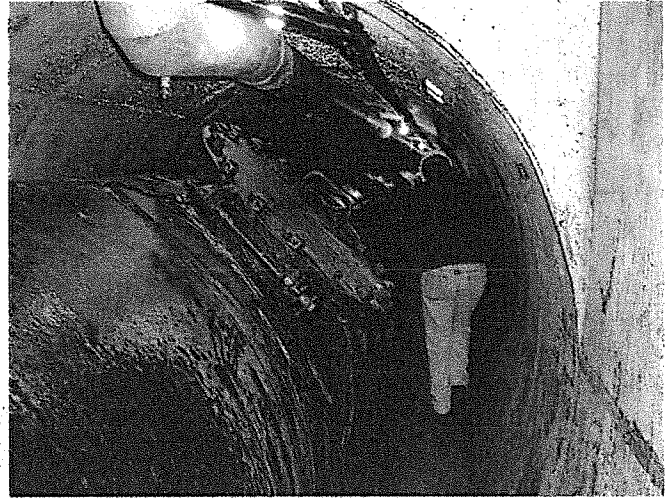
Internal Staff Estimate

Fiscal Year	Cost
Fiscal Year 15-16	\$ 25,000
Fiscal Year 16-17	\$ 25,000
Fiscal Year 17-18	\$ 25,000
Fiscal Year 18-19	\$ 25,000
Fiscal Year 19-20	\$ 25,000
Total	\$125,000

**Lauro Tunnel Evaluation of Pipe Supports
(2012-2-11)**

Project Ranking
64%

Estimated Cost:
Phase I - \$30,000
Phase II – to be determined



Background

The Lauro Tunnel is an 8-foot diameter horse-shoe shaped tunnel under Lauro Dam and Reservoir that houses a 54-inch diameter pipe which extends 869 feet at an upward slope. The 54-inch diameter pipe is supported by cast concrete support saddles which are exhibiting deterioration.

Need for Project

Lauro Tunnel concrete pipe supports are in various stages of deterioration at a minimum of twelve interior locations. The concrete pipe support saddles are cracked and deterioration has been identified. The most significant cracks of concern exist in the concrete collar supports that provide thrust resistance along the horizontal bend of the steel pipe inside the tunnel. To ensure continued reliability, a structural engineering evaluation would be necessary to determine the current level of deterioration and recommended remediation.

Description

Retain structural engineering services to provide an evaluation of the pipe supports in Lauro Tunnel. The completion of a structural evaluation would provide a basis for development of a proposed remedial action plan.

Phase I Fiscal Year 15-16: Evaluation of existing conditions

Phase II Fiscal Year 15-16: Design based on evaluation

Regulatory Compliance

This project has been identified by the USBR as a Category 2 recommendation.

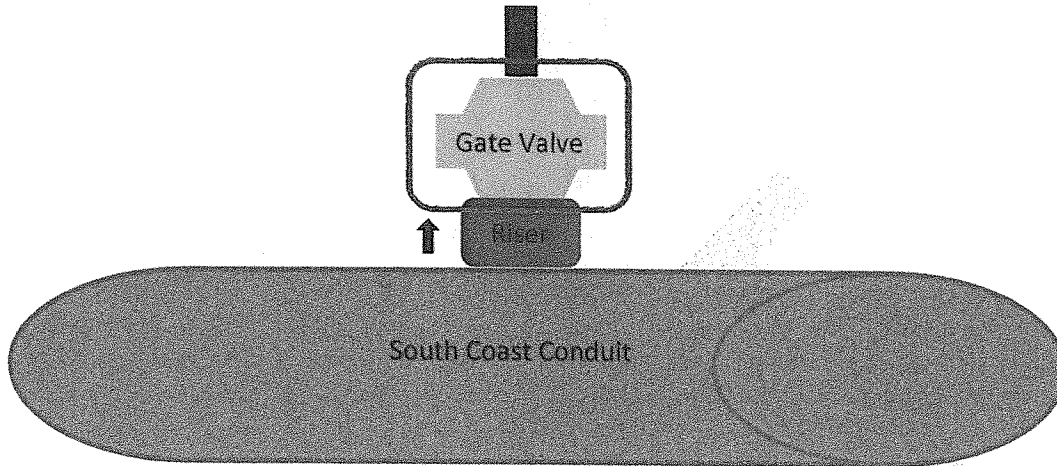
Budget & Schedule

Internal Staff Estimate

Fiscal Year	Cost
Phase I Fiscal Year 15-16	\$30,000
Phase II Fiscal Year 15-16	To be determined following evaluation
Total	\$30,000

Structure Housing Equipment: Lateral

Overview



The appurtenant structures involved with the South Coast Conduit system are depicted in the sketch above. These structures are identified as either Lateral structures, Air Vacuum Air Release structures, or Blow-off structures.

Divided into the Upper Reach (from the South Portal to Lauro Dam) and the Lower Reach (from the Cater Treatment Facility to Carpinteria), each structure contains a man hole cover, a lower riser, and upper riser, a gate valve and blow-off piping. The concrete structures containing these components are called vaults and are located above and below ground level on top of the South Coast Conduit (SCC).

The total number of lateral structures on the SCC is **65**.

The Upper Reach contains **21** lateral structures and the Lower Reach contains **44** lateral structures.

The internal components are described as follows:

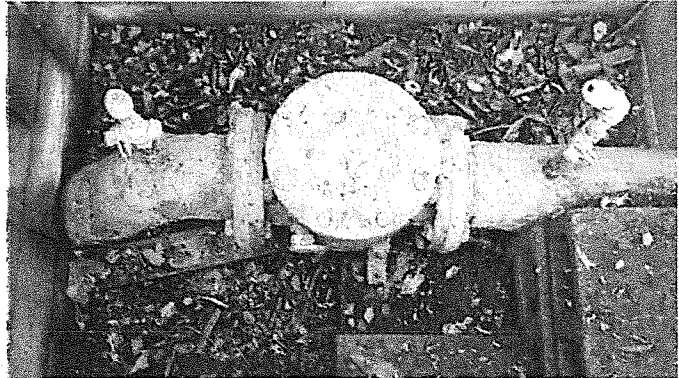
- Riser component - serves as a connection between the Man Hole Cover and the Gate Valve.
- Gate Valve - under normal operation this valve is open to allow water flow to adjacent Member Unit delivery systems.

Lateral	Total Structure	100% Complete	Active	Non- Active	Need Riser	Need Gate Valve
Upper Reach	21	1	1	20	20	0
Lower Reach	44	1	43	1	43	43
Total	65	2	44	21	63	43

**Rehabilitate South Coast Conduit Lower Reach Lateral Structures
(2015-C-3)**

Project Ranking
61%

Estimated Cost: \$250,000



Background

There are forty-four lateral connections housed in concrete cylinder structures on the lower reach of the South Coast Conduit. The function of these connections is to provide water to sections of the Montecito Water District and Carpinteria Valley Water District. Each connection contains a gate valve, a check valve and an air vent component.

Need for Project

Thirty-five of the existing lateral appurtenances pose an operational risk due to age, corrosion, and unreliable valve operating condition. The dependability of these valves is necessary to provide dependable water service to customers served in sections of the Montecito and Carpinteria Water District Boundary areas.

Description

This project would replace corroded and inoperable valves, air vents, and check valves on active lateral connections. The project will require shutdowns for the specified turnout distribution supply areas and would be coordinated with the impacted Member Units. The project would require retention of engineering and contractor services. Because each sites differing conditions engineering would be required for each structure.

Regulatory Compliance

N/A

Budget & Schedule

Internal Staff Estimate

Fiscal Year	Cost
Fiscal Year 2015-16	\$ 50,000
Fiscal Year 2016-17	\$ 50,000
Fiscal Year 2017-18	\$ 50,000
Fiscal Year 2018-19	\$ 50,000
Fiscal Year 2019-20	\$ 50,000
Total	\$250,000 (Engineering and Construction)

**North Portal Slope Stabilization
(2014-C-58)**

Project Ranking
59%

Estimated Cost: Phases I-II - \$550,000



Background

The Lake Cachuma Intake Tower is accessed by a paved road accessed from State Highway 154. During 2002, staff expanded the road by encroaching into the hillside in reaction to erosion and sliding on the outside section of the road. Since the initial work in 2002, destabilization of the hillside has continued making portions of the road potentially unsafe.

Need for Project

Ongoing regular use of the road is necessary to access the North Portal area. Subsequent to 2002, additional interim methods of stabilization on the road had been implemented which produced a short term benefit. Since that initial work during 2002, the existing lake level has provided a visual indication the slope continues to suffer from significant stability issues.

Description

Engineering services would be retained to conduct a Geotechnical Study/ Design, to identify and design a plan to stabilize the slope and ensure road protection and access.

Phase I (Fiscal Year 2015-16); Engineering

Phase II (FY 2016-17); Slope Stabilization and remediation based on design plan completed in Phase I.

Regulatory Compliance

N/A

Budget & Schedule

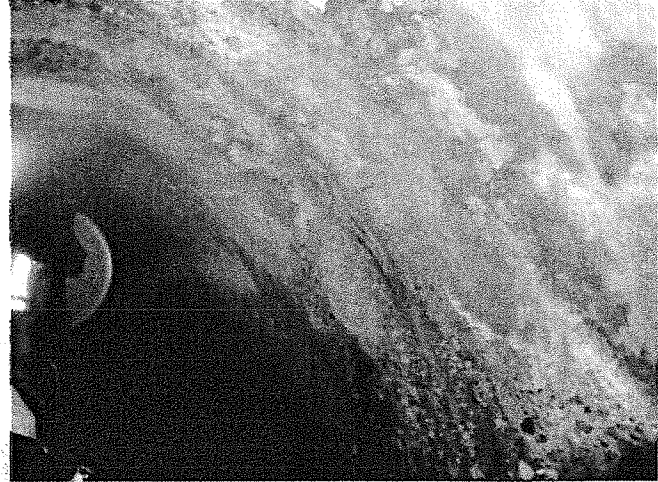
Internal Staff Estimate

Fiscal Year	Cost
Fiscal Year 15-16 (Engineering)	\$ 50,000
Fiscal Year 16-17 (Construction)	\$500,000
Total	\$550,000

**Tecolote Tunnel Concrete Deterioration Investigation
(2005-2-55)**

Project Ranking
52%

Estimated Cost: \$100,000



Background

The Tecolote Tunnel was completed in 1956 to divert water from Lake Cachuma to the South Coast Conduit. The tunnel provides water delivery through the mountain to the South Portal. The tunnel structure consists of a modified circular horse-shoe shaped cross section constructed of steel encased in 12 inches of concrete and operates in open channel flow that is approximately 7' inside and is 6.4 miles long with a gradual shallow slope to enable gravity feed. The only ingress and egress are at the North Portal and South Portal. During an inspection by the USBR in 2012, deterioration was discovered due to long-term exposure to hydrogen sulfide.

Need for Project

Hydrogen sulfide has caused some deterioration of the concrete lining of the tunnel. In areas, the interior concrete surface has peeled in sheets approximately 3/8 of an inch thick and fallen into the invert, creating sediment. The majority of the tunnel is in acceptable condition. However, a few locations exhibit small areas where leaching could affect the structural integrity of the concrete. Review is necessary.

Description

The Tecolote Tunnel is a 6.4 mile long tunnel which is considered a "confined space" location. The evaluation will require an engineer to identify the locations and extent of the concrete deterioration, severity of damage within the Tecolote Tunnel and recommend appropriate remediation.

Regulatory Compliance

This project has been identified by the USBR as a Category 2 recommendation.

Budget & Schedule

Internal Staff Estimate

Fiscal Year	Cost
Fiscal Year 17-18 (Engineering)	\$100,000
Total	\$100,000

**Clean Clogged Weep Holes in Tecolote Tunnel (To be performed in conjunction with Tecolote Tunnel Investigation Project)
(2005-2-31)**

Project Ranking
52%

Estimated Cost: \$200,000



Background

Included in the construction of the Tecolote Tunnel were a series of "weep holes" that allow ground water to flow into the tunnel. The weep holes serve two purposes: 1) to relieve the ground water pressure on the outside of the tunnel structure and 2) provide for the importation of usable ground water into the tunnel.

Need for Project

There are numerous weep holes within the Tecolote Tunnel that have been subjected to mineral accumulation creating deposits. Hydrogen sulfide has contributed to corrosion of the concrete structure adjacent to the weep holes. The mineral accumulation and corrosion have eliminated or reduced the ability of the weep holes to function thereby having possible affect on the stability of the structure. The weep holes need to be cleaned to allow proper water drainage into the tunnel to protect the Tunnel structure.

Description

The project would be conducted concurrent with the concrete lining repair and will require a shutdown of the tunnel and all safety precautions necessary for tunnel access because of hydrogen sulfide exposure and confined space issues.

Regulatory Compliance

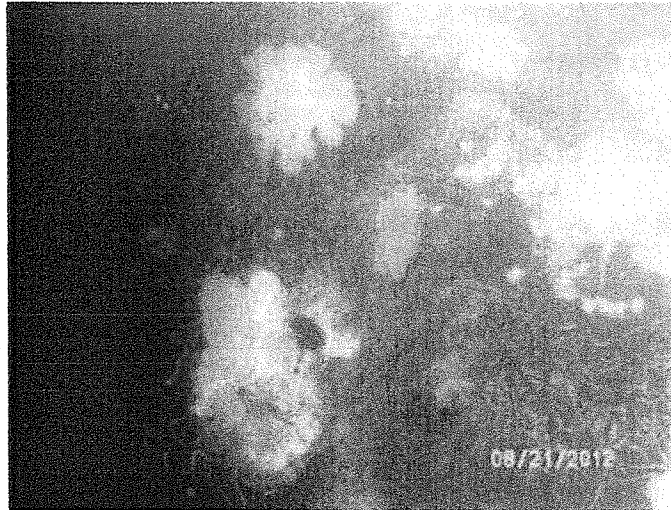
This project has been identified by the USBR as a Category 2 recommendation.

Budget & Schedule	Internal Staff Estimate
Fiscal Year	Cost
Fiscal Year 17-18	\$200,000
Total	\$200,000

Investigate Structural Requirements of the Steel Collar between Outlet Works and 48-inch Intake Pipe at Lauro Tunnel (2013-2-41)

Project Ranking
49%

Estimated Cost: \$30,000



Background

The intake piping of the Lauro Reservoir outlet works intake structure includes a steel collar connection between the intake structure and intake pipe.

The intake component was replaced during 1981 by added a steel pipe that extends through the outlet works and through the top of the original concrete intake structure. A ¾ inch thick steel circular collar was installed on top of the existing intake structure to cover the opening between the intake structure and vertical pipe for either protection from debris intrusion, structural support or both. It is unknown if the steel collar is attached to the vertical steel pipe to connect the two components. The 2013 dive report, prepared by USBR, states the intake structure is in satisfactory condition with the exception of the steel collar. The Bureau was silent on the purpose of the collar and has been unable to verify the purpose the collar serves over and above simply providing a sealed connection between the two structures.

Need for Project

The collar has deteriorated because of corrosion and poses an operational risk for both the protection against outside intrusion of elements penetrating through the opening or potentially structural support.

Description

Engineering services will be retained determine the collar's expected level of performance (protection from outside element intrusion or structural). Engineering will need to be conducted by a structural engineer to determine if the steel collar is necessary for support and if required, a method to design a repair that will allow for continued structural support of intake structure. The reservoir will need to be lowered to accommodate inspections and repairs.

Regulatory Compliance

This project has been identified by the USBR as a Category 2 recommendation.

Budget & Schedule

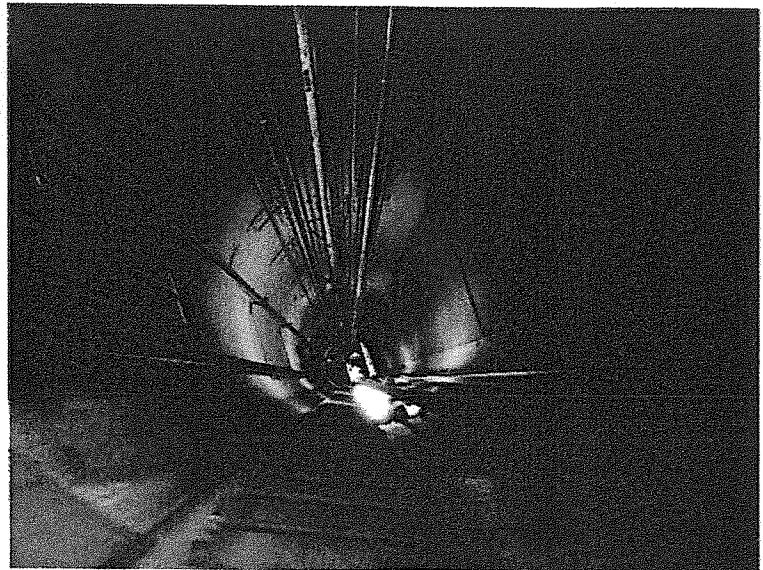
Internal Staff Estimate

Fiscal Year	Cost
Fiscal Year 16-17	\$30,000
Total	\$30,000

**Waterproof Gate Shaft in the North Portal
(1999-2-53)**

Project Ranking
45%

Estimated Cost: \$60,000



Background

The North Portal Elevator Shaft was constructed in the 1950s. The shaft extends approximately 125 feet below the control house. Water intrudes into the elevator shaft at construction joints and through cracks in the concrete structure. This moisture creates a corrosive environment for electrical and mechanical equipment.

Need for Project

The project anticipates either eliminating or reducing seepage into the elevator shaft. The project will protect an asset by extending the useful life of equipment and reducing maintenance costs.

Description

The work will require the retention of a contractor. Discussions with contractors have concluded the grout in all seams would be removed and a water stop polymer will be injected to eliminate water intrusion in the leaking seams and cracks. The top of the elevator car will be used as a work platform, and will require a certified elevator operator on site to move the work platform during the repair. Per contractor discussions, the work requires seepage to be visible to enable directing the polymer injection to the appropriate location in the shaft. Therefore, this work would be accomplished once the water table has increased in elevation.

Regulatory Compliance

This is a USBR Category 2 Recommendation.

Budget & Schedule

Contractor Estimates

Fiscal Year	Cost
Fiscal Year 15-16	\$60,000
Total	\$60,000

**Locate Discharge Pipe; Outfalls at Four Blow-off Stations
(2013-2-43)**

Project Ranking
39%

Estimated Cost: \$40,000



Background

Blowoff valves exist on all low points of a water system. Along the South Coast Conduit, these valves function to dewater the SCC should it be necessary to shut down a section to perform essential work. Certain valves and associated piping are over fifty years in age and in poor condition. The blow-off valve is located within a concrete structure and the discharge pipe extends to the outside from the vault.

Need for Project

Staff has been unable to locate point of discharge on four blow-off stations. Therefore, it appears the discharge piping has been buried in silt for an extended period of time and has no screening to prevent the migration of storm water and/or animals into the discharge pipe and subsequently into the structure.

Description

This project would locate and replace inoperable blow-off valve discharge piping and install flap valves on the discharge pipe within the identified Lower Reach blow-off stations. It is anticipated the proposed work would be conducted by Operations staff.

Regulatory Compliance

This project has been identified by the USBR as a Category 2 recommendation.

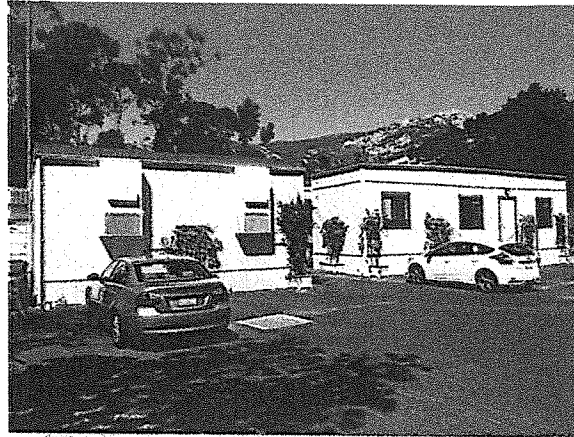
Budget & Schedule	Internal Staff Estimate
Fiscal Year	Cost
Fiscal Year 15-16 (Material Costs)	\$40,000
Total	\$40,000

**Lauro Office Building Replacement
(2014-C-59)**

Project Ranking

This project is considered part of regular maintenance and will not be ranked along with the other Infrastructure Improvement Plan Projects. The project is identified in the Infrastructure Improvement Plan because it exceeds \$25,000.

Estimated Cost: \$300,000



Background

COMB Administration, Fisheries, and Reception modular offices are aging and in various stages of deterioration. The Administration office is a 1979 model (36 years old), purchased in 1993; the Fishery office is a 1997 model (18 years old), purchased in 1999; and the Reception office is a 2002 model (13 years old), purchased used in 2002. The immediate issue is the Administrative office, which has uncorrectable structural problems attributable to roof leaks.

Initial information indicates the cost of a used/refurbished modular unit is approximately \$50 per square foot for a shell that would need modifications. New modular unit costs vary depending on design, ranging from \$75 to \$150 per square foot. Per square foot costs do not include the cost of delivery and setup cost that range from \$12,000 to \$19,000 for each 40 foot unit. Existing units do not have a resale value because of noncompliance with current state building codes and therefore must be demolished. The demolition cost of existing buildings is approximately \$9,000 for each 12 foot section of the 40 foot unit. Demolition cost will be a separate manufacturer quote.

Need for Project

The current modular office buildings are in various stages of deterioration.

Description

Purchase one to three new modular office buildings. We are in the process of refining cost estimates that will produce a more definitive estimate within the next 60-days.

Regulatory Compliance

N/A

Budget & Schedule

Internal Staff Estimate

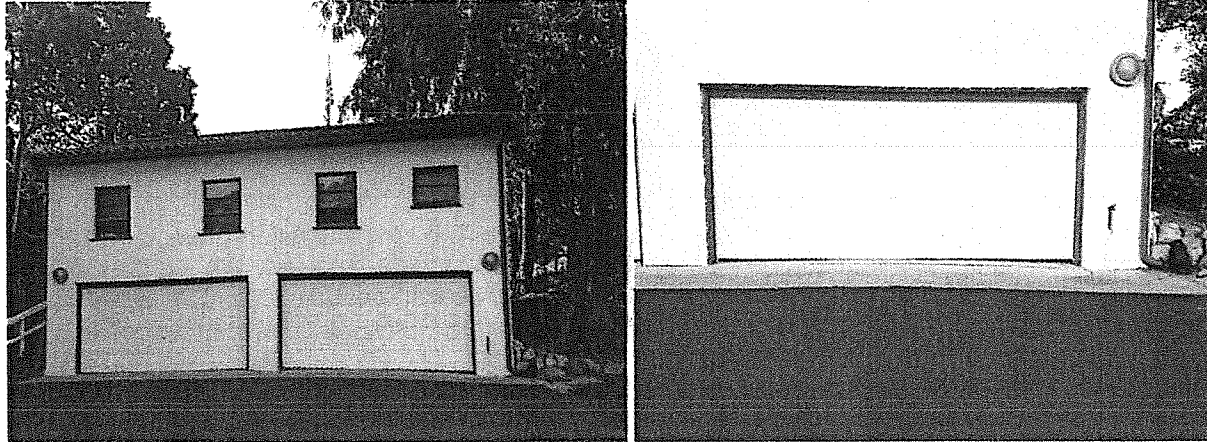
Fiscal Year	Cost
Fiscal Year 15-16 (Remediation)	\$300,000
Total	\$300,000

**Lauro Office Building Stabilization
(2014-C-60)**

Project Ranking

This project is considered part of regular maintenance and will not be ranked along with the other Infrastructure Improvement Plan Projects. The project is identified in the Infrastructure Improvement Plan because it exceeds \$25,000.

Estimated Cost: \$250,000



Background

The Board Room Building was constructed in 1956. This building was used as the administrative offices until the 1990's when mobile buildings were brought on-site. A geotechnical study completed in 2000 indicates that since the time of the original construction of the building, the soils have been expanding and compressing causing the foundation to move the building.

Need for Project

The building has visible signs of structural damage. The structural integrity of the building is unknown as is the potential for future degradation. The structure will be investigated to determine the stability of the building and provide suggested options to prevent further damage to the structure. A structural engineer will provide an evaluation of the current condition including the safety of the building and possible recommendations for structural repairs. This evaluation will be conducted in the current fiscal year at of cost of approximately \$3,000. The initial estimate for structural remediation was between \$40 and \$60 per square foot.

Description

Consequences of not repairing the building are unknown prior to the completion of the evaluation. The Comb contracted structural engineer will determine the potential for continued degradation and the potential to impact the future cost of rehabilitation. The outcome of the structural evaluation will provide a basis for the development of rehabilitation options.

Regulatory Compliance

N/A

Budget & Schedule

Internal Staff Estimate

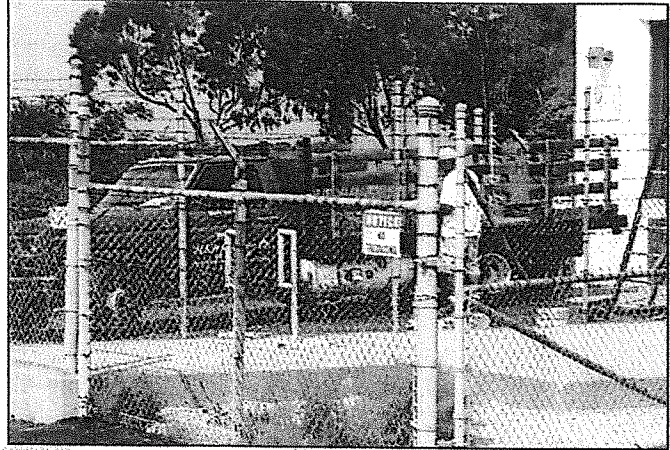
Fiscal Year	Cost
Fiscal Year 15-16 (Remediation)	\$250,000
Total	\$250,000

**Carpinteria Reservoir Security Fencing
(2014-C-70)**

Project Ranking

This project is considered part of regular maintenance and is not ranked with the other Infrastructure Improvement Plan Projects; Project exceeds \$25,000 and therefore identified in the Infrastructure Improvement Plan.

Estimated Cost: \$41,500



Background

Carpinteria Reservoir is surrounded by security fencing used to protect the reservoir from unauthorized access. The chain-link fence is four-foot high with additional height accomplished using four strands of barb wire.

Need for Project

Fencing has deteriorated due to age and weather. The fencing needs to be bought up to a standard to avoid public intrusion. The USBR determined the appropriate fencing needed around drinking water reservoirs is six-foot high chain-link fencing topped with V-shaped barb wire fencing.

Description

Replacement of the fence would be performed by a contractor. The existing fence would be replaced with a 6-foot high V-shaped barb wire fencing consistent with USBR security requirements.

Regulatory Compliance

N/A

Project Budget & Schedule

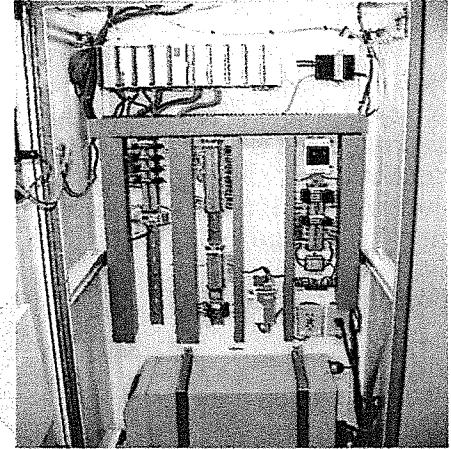
Fiscal Year	Cost
Fiscal Year 19-20	\$ 41,500
Total	\$ 41,500

Supervisory Control and Data Acquisition (SCADA) Upgrades (2014-C-61)

Project Ranking

This project is considered part of regular maintenance and is not ranked with the other Infrastructure Improvement Plan Projects. This is an ongoing project.

Estimated Cost: Phase II to VI - \$250,000



Background

The "Supervisory Control and Data Acquisition" system (SCADA) serves four objectives:

1. Allows the remote adjustment of valves which control the flow of water based on demand.
2. Collects and enables the retrieval of historical data at COMB Offices or via remote computer. Information includes flows, reservoir elevations, alarms, communication, turbidity, pH, temperature, and valve positions.
3. Provides phone alerts to COMB Operations staff to enable remote corrective action 24/7.
4. Increases the efficiency of Operations staff by avoiding onsite corrective action and enhances system reliability.

Installation of the COMB Supervisory Control and Data Acquisition (SCADA) system began in 2003. Budgetary constraints have deferred upgrades over the ensuing 10-years. Substantial information is generated through this system that is used internally by COMB and requested externally by MUs and other agencies. The FY 2014-15 budget approved Phase 1 of the system upgrade in the amount of \$22,000 to install a historian server backup, install a new cellular communication system, and update the PLC programming software.

Need for Project

Remaining system upgrades are currently under review by an engineering consultant. Therefore, defined project needs are not currently available. Identified components of system software are obsolete and no longer supported by the manufacturer and necessitate replacement.

Description

The current SCADA system is under evaluation by a consulting engineer to determine the upgrades necessary to meet minimum operational and information requirements. Phases two through ten would upgrade obsolete, critical Programmable Logic Controllers (PLC) in the field and install wireless technology communication devices to enable reliable and secure access. This approach may change based on evaluation from the engineering consultant. It is anticipated the purchase, programming and installation of these devices would be phased over time. The cost per PLC could reach \$50k. COMB operates nine PLCs.

Phases II – VI: FY 2016 - 20 (Update PLC Units / wireless communication devices in the field)

Infrastructure Improvement Plan | FY 2016 - 2020

Regulatory Compliance
N/A

Budget & Schedule

Internal Staff Estimate

Fiscal Year	Cost
Fiscal Year 15 – 16 (Phase II)	\$ 50,000
Fiscal Year 16 – 17 (Phase III)	\$ 50,000
Fiscal Year 17 – 18 (Phase IV)	\$ 50,000
Fiscal Year 18 – 19 (Phase V)	\$ 50,000
Fiscal Year 19 – 20 (Phase VI)	\$ 50,000
Total	\$250,000

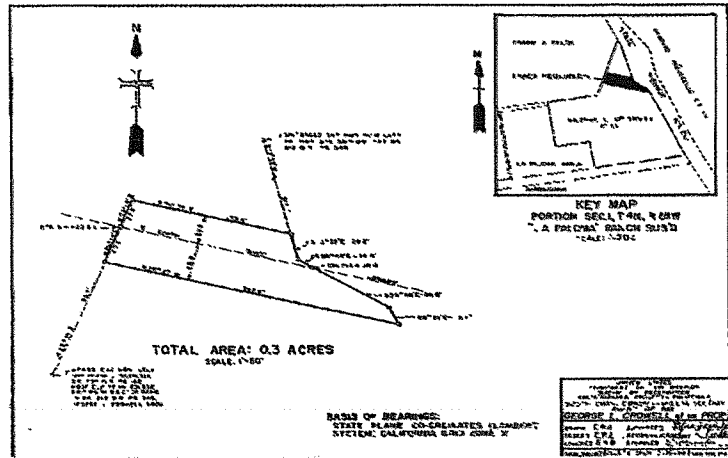
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**Right Of Way Identification Program
(2014-C-72)**

Project Ranking

This project is considered part of regular maintenance and is not ranked with the other Infrastructure Improvement Plan Projects: This project is identified in the Infrastructure Improvement Plan because it exceeds \$25,000. This project is a five year project identified during Fiscal year 13-14 budget preparation.

Estimated Cost: Phase III to IV - \$40,000



Background

Use of the USBR Easements by someone other than COMB is referred to as an encroachment. Previous studies have noted that encroachment into the SCC pipeline easement is widespread. COMB regularly finds unpermitted encroachments within the Cachuma Project Easement. These encroachments are found utilizing USA Dig-Alerts along with regular visual inspections of the Cachuma Project easement. COMB also reviews planning minutes produced within Santa Barbara County each month to determine if a proposed development is within the Cachuma Project Easement. The 2013-14 and 2014-15 budgets included funds for this program. The program, when complete, will provide specific land use information for all sections of the USBR easement. This will include specific land owner information to enable communication on land use restrictions and permit requirements. Additionally, the program will enable the timely response to County permit processes.

Need for Project

Unpermitted and unknown encroachments on the SCC easement potentially affect the structural integrity of the South Coast Conduit. Therefore, it is important that all encroachments be documented. This project will input existing and future encroachment information into an electronic inventory of encroachments on the easement. This inventory will be utilized for communication and potential site remediation activity involving existing landowners and evaluation of proposed encroachments to the easement through the permit process. This data will be Geographical Information System (GIS) based and enable a more efficient and cost effective response to regular maintenance, testing, and monitoring activities. This GIS based system will largely replace time consuming staff site visits to review projects proposed involving the easement.

Description

The Right of Way Project (ROW) inventory will centralize information electronically to facilitate landowner communication regarding pending right-of-way work, provide communication with Santa Barbara permitting agencies, and enable COMB staff response to right-of-way disruptions and issues efficiently by utilizing the GIS inventory. Specific tasks of the project include identifying, locating, and labeling the pipeline through field mapping in GIS and surveying. Sequentially, as data is developed, landowners will be notified of property easements and of COMB's South Coast Conduit responsibilities. The project anticipates placing up to 400 pipeline markers at property lines and alignment changes along the pipeline. Concurrently, COMB will enhance and continue communication with public and private permitting agencies made possible by the inventory. The location and inventory will enable regular site inspection, expedite our ability to precisely locate and identify visible leakage, ground erosion, or new encroachments.

Phase III Fiscal Year 2015-16: Mapping of Cachuma Project easements into GIS. Contact by letter to all easement impacted landowners regarding COMB pipeline system maintenance responsibility.

Infrastructure Improvement Plan | FY 2016 - 2020

Phase IV Fiscal Year 2016-17: Survey pipeline and insert pipeline location markers.

Phase V Fiscal Year 2016-17: Develop the annual pipeline inspection program for inclusion in the work plan. The annual inspection effort conducted will provide for updating information into the data base.

Regulatory Compliance

N/A

Budget & Schedule

Fiscal Year	Cost
Phase III (Fiscal Year 15-16)	\$20,000
Phase IV and V (Fiscal Year 16-17)	\$20,000
Total	\$40,000

Reference

September 2006 Boyle "Phase 2 Reliability Study for South Coast Conduit Upper Reach Tecolote Tunnel to Corona Del Mar Water Treatment Plant and Carpinteria Reach South Coast Conduit Booster Pump Station to Ortega Reservoir" Page 119

Boyle April 2005 "Reliability and Alternatives Study for the South Coast Conduit Carpinteria Reach Cater Booster Pump Station to Ortega Reservoir" Page 37 and Figure 17-A

Boyle April 2003 "Reliability Alternative Study for Upper Reach of the South Coast Conduit" Page 41.

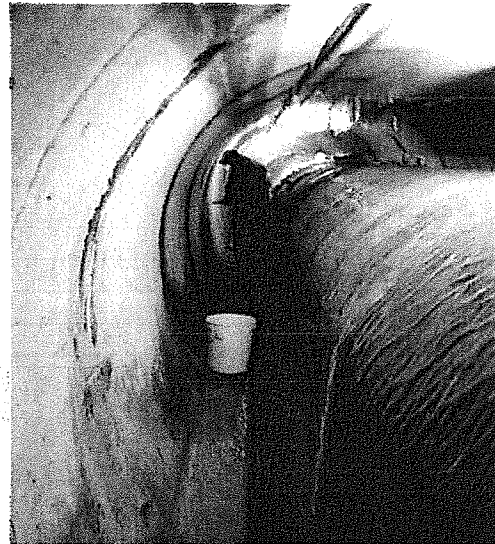
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Clean and Apply Grout into Leaking Cracks Outlet Works Interior Walls at Lauro Reservoir (2010-2-8)

Project Ranking

This project is considered part of regular maintenance and is not ranked with the other Infrastructure Improvement Plan Projects: This project is identified in the Infrastructure Improvement Plan because it exceeds \$25,000.

Estimated Cost: \$38,000



Background

In 1995, COMB staff attempted to seal and grout the Lauro Tunnel seams to prevent water intrusion. This and previous repairs were ineffective and have failed to prevent water intrusion over time.

Need for Project

Prevention of water intrusion in the tunnel would extend the useful life of the facility, ensure reliability and a safe work environment.

Description

Removal of deteriorated grout and the injection of a water stop polymer would be conducted by a retained contractor.

Regulatory Compliance

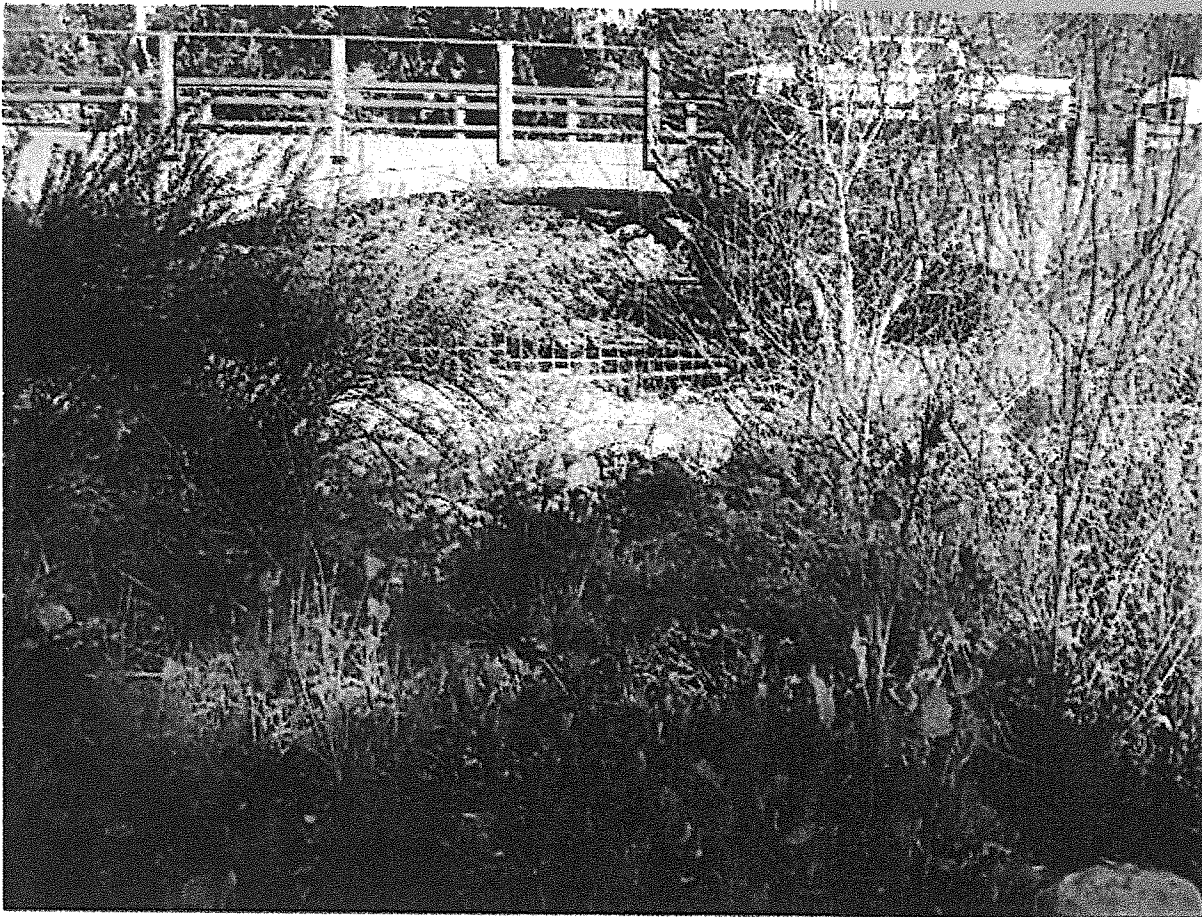
This project has been identified by the USBR as a Category 2 recommendation.

Budget & Schedule

Fiscal Year	Cost
Fiscal Year 15-16	\$38,000
Total	\$38,000

FY 2016-2020

Habitat Improvement Plan



Fisheries Division

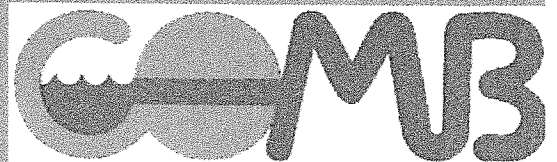


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Cachuma Lake Oak Tree Restoration Program (Summary, Background, Need, Description)..... Page 19

Executive Summary

The Cachuma Operation and Maintenance Board (COMB) Fisheries Division is tasked, through the U. S. Bureau of Reclamation's (USBR) operation of the Cachuma Project, with carrying out the fisheries monitoring, data analysis and tributary enhancement projects as described in the National Marine Fisheries Service's (NMFS) 2000 Biological Opinion (BO). A consensus based, long-term fisheries program has been developed that provides protection for steelhead/rainbow trout (*Oncorhynchus mykiss*, *O. mykiss*) downstream of Bradbury Dam through a combination of long-term monitoring, water releases from Bradbury Dam through the Hilton Creek Watering System and Outlet Works, passage flows to assist migrating steelhead, improved riparian habitat, and the removal or modification of numerous fish passage barriers to steelhead on tributaries of the Lower Santa Ynez River (LSYR). By implementing the NMFS 2000 BO, COMB has created significant additional habitat for steelhead within the LSYR watershed. The timeline and costs of projects slated for the next five years can be found in Table 1.

An additional component of COMB's Fisheries Division includes the Cachuma Lake Oak Tree Restoration Program (Oak Tree Program), which was transferred from a private consultant to COMB in July of 2012. The Oak Tree Program is entering into year ten (10) of a twenty (20) year project, which includes ongoing maintenance, monitoring, annual reporting (inventory and lakeshore surveys), and a replanting program. Budget allocation for the Oak Tree Program can be found at the bottom of Table 1.

USBR has entered into re-consultation with NMFS for a new Cachuma Project BO which will contain a continuation of the fisheries monitoring program and enhancement projects where additional projects (and funding) will be needed.

Introduction

COMB's Five-Year Habitat Improvement Plan (HIP) identifies the needed funding for identified restoration projects slated for construction as well on the ongoing Cachuma Lake Oak Tree Restoration Program from Fiscal Year (FY) 2015-2016 through FY 2019-2020. Each year the HIP will be updated to reflect changes that may occur within the short- and long-term, which could be manifested by funding sources, landowner agreements, and changes in compliance measures or project types through reconsultation with NMFS and USBR. Therefore, the HIP will continue to be a flexible document with annual updates submitted to the COMB Fisheries Committee and once recommended, will be presented to the COMB Board for approval in preparation of the annual Fisheries Budget.

Habitat Improvement Plan | FY 2016 - 2020

Table 1: 5-Year HIP financial matrix for Fiscal Years 2015-16 through 2019-20; in years with two construction projects, there is a possibility of one of the projects slipping to the following year due to permits or design approval delays.

Project Name	Fiscal Year:				
	2015-16	2016-17	2017-18	2018-19	2019-20
Quiota Creek Crossing 0 (a) and (b)	\$810,000				
Quiota Creek Crossing 3	\$930,000				
Quiota Creek Crossing 4	\$30,000	\$1,230,000			
Quiota Creek Crossing 5		\$30,000	\$930,000		
Salsipuedes Creek Jalama Road Fish Ladder Fix	\$15,000	\$25,000			
Quiota Creek Crossing 8	\$30,000	\$30,000	\$920,000		
Quiota Creek Crossing 9				\$30,000	\$920,000
Cachuma Lake Oak Tree Restoration Program	\$100,000	\$75,000	\$60,000	\$60,000	\$60,000
TOTALS:	\$1,915,000	\$1,390,000	\$1,910,000	\$90,000	\$980,000

Quiota Creek Fish Passage Projects

Summary

Quiota Creek is a tributary of the LSYR located approximately 8.4 miles downstream of Bradbury Dam and 39.7 miles from the Pacific Ocean. The watershed is approximately eight square miles and includes both private lands and portions of the Los Padres National Forest. Refugio Road crosses Quiota Creek nine times in the form of Arizona / low flow concrete crossings (Crossings 3, 4, 5, and 9), bottomless arched culverts (Crossings 1, 2, 6, and 7), and a temporary bridge (Crossing 8). Two additional crossings are located on private property (Crossings 0a & 0b), bringing the total number of crossings on Quiota Creek to eleven. The bottomless arched culverts already installed by COMB replaced low flow crossings with full span bottomless arched culverts that span well beyond bank full width of the creek and provide complete passage for juvenile and adult *O. mykiss* passage. Those projects were completed by COMB in 2013, 2011, 2008, and 2012, respectively. The remaining crossings represent passage impediments that limit the passage opportunity for *O. mykiss* to reach designated critical habitat for spawning and rearing. The impediments are due to one or more of the following problems: 1) insufficient depth of flow over the crossing, 2) undersized and blocked culverts under the concrete low flow crossings that block fish passage, 3) insufficient pool depth below the crossing for *O. mykiss* to use when jumping, and 4) high vertical distance over the crossing that limit or prevent fish passage. USBR through COMB is systematically replacing the remaining concrete low flow crossings, which have been determined to be partial fish passage barriers, with bottomless arched culverts to provide unrestricted access for *O. mykiss* throughout Quiota Creek. Funding for the construction of these projects depends on State and Federal grants and matching funds from COMB, hence a project cannot be built without grant funding. Each of these projects is described below.

Background

The Quiota Creek watershed, a tributary of the LSYR, is considered by the NMFS and California Department of Fish and Wildlife (CDFW) to have excellent habitat for endangered southern steelhead and resident rainbow trout (both considered to be *O. mykiss*) in the upper watershed. NMFS designated Quiota Creek as critical habitat for *O. mykiss* (NOAA, 2005) and completed the Southern Steelhead Recovery Plan (2012) that identified the Santa Ynez River as a Core 1 Watershed with a specific threat source from passage barriers (Listing Factors 1 and 4) that these projects directly address. Refugio Road crosses Quiota Creek nine times which are numbered from downstream to upstream. COMB evaluated each crossing for fish passage and published the Quiota Creek Watershed Enhancement Plan (Plan) (CCRB, 2009). The Plan summarized the existing baseline conditions in the watershed relating to salmonid habitat and passage conditions following the CDFW criteria at each of the low flow crossings, and used that information to provide a guidance document for future restoration efforts that determined the prioritized order and type of treatment for each crossing. That program of work dictated the following list of habitat improvement projects described in this HIP. In 2008, Crossing 6 was replaced with a 48-foot bottomless arched culvert, in 2011 Crossing 2 was replaced with a 60-foot bottomless arched culvert, in 2012 Crossing 7 was replaced with a 60-foot bottomless arched culvert, and in 2013 Crossing 1 was replaced with a 60-foot bottomless arched culvert. Crossings 0 (a & b), 3, 4, 5, 8, and 9 are scheduled to be fixed within the next 5-7 years, depending on funding availability. Crossings 0a & 0b are on private property and not on Refugio Road where there are two low flow crossings (a & b) in close proximity. Replacement of both will be done in one project.

Need for Projects

The Quiota Creek projects described below are part of the proposed actions in the Cachuma Project BO (NMFS, 2000). NMFS designated Quiota Creek as critical habitat for the endangered southern steelhead (NOAA, 2005) and has classified the Santa Ynez River as a top priority watershed (Core 1) for the success of the recovery actions for southern steelhead (NMFS, 2012). By removing all of these migration barriers, approximately 6 miles of stream will be opened up above Crossing 0 for the endangered steelhead, most of which is in the upper watershed with the highest quality habitat for rearing and spawning. No anadromous steelhead have been observed in this creek since monitoring began in 2000 due to partial or total barriers. In 2008 though, an anadromous steelhead (600 mm fork length) was captured near the confluence of Quiota Creek and the LSYR mainstem that was genetically typed to be from Quiota Creek, suggesting that the anadromous gene persists in the watershed (Garza and Clemento, 2010).

Quiota Creek Crossing 0 (a) and (b)

Project Schedule

Design – FY 2015-16, Construction – Fall FY 2015-16

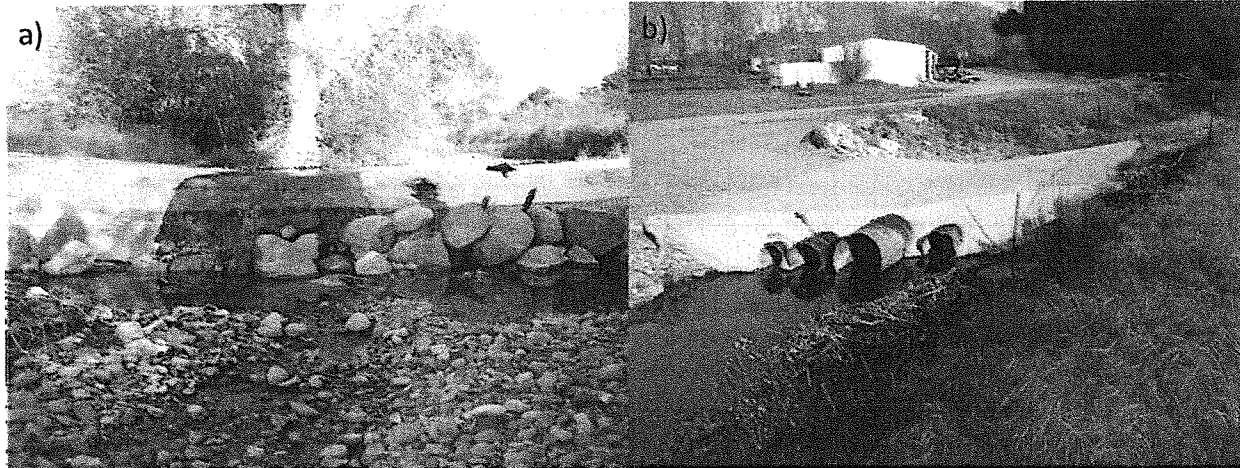


Figure 1: Lower Quiota Creek near the confluence with the Santa Ynez River showing a) upstream view of Crossing 0a, and b) upstream view of Crossing 0b.

Description

The proposed fixes for Crossing 0a and Crossing 0b are to replace each concrete low flow or Arizona-type concrete crossing (Figure 1) with a bridge composed of two side-by-side railroad cars that will allow for a naturalized stream channel below. The bridges will be designed to convey the 25-year peak flow event and sustain the 100-year flow over the bridge as directed by Santa Barbara County for a rural private bridge. Also, the bridges will completely span the bankfull stream width following CDFW guidelines (CFDG, 2009). The resulting structures will provide for full juvenile and adult passage for anadromous and resident *O. mykiss* while improving road access and safety for the landowners. No trees will be removed during any portion of the construction. However, 10 native trees will be placed within an erosion escarpment downstream of Crossing 0b and hydro-mulching and hydro-seeding will be spread around the entire project footprint at the completion of the project in order to prevent erosion and additional runoff. Willow stakes will be planted within the channel margin to provide habitat and structural integrity to the modified streambed. The project will be constructed to meet all the applicable guidance and permit criteria by CDFW, NMFS, California Regional Water Quality Control Board (RWQCB), U.S. Army Corps of Engineers (USACE), U.S. Fish and Wildlife Service (USFWS), and the County of Santa Barbara with respect to adult and juvenile anadromous and resident *O. mykiss* populations, as well as meet all traffic and public safety concerns.

Project Budget

Fiscal Year	Cost
Fiscal Year 2015-16 (design)	\$30,000
Fiscal Year 2015-16 (construction)	\$780,000
Total	\$810,000

Quiota Creek Crossing 3

Project Schedule

Design – FY 2015-16 and FY 2015-16, Construction – Fall FY 2015-16

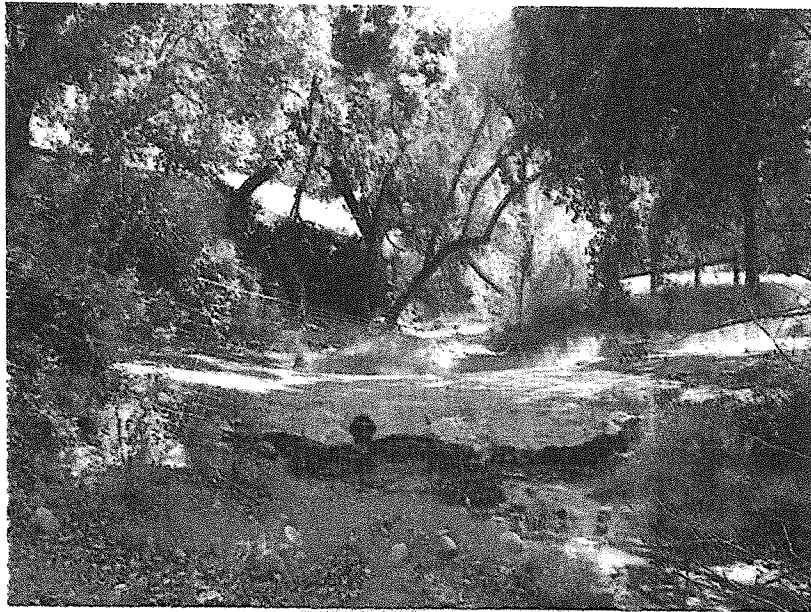


Figure 2: Quiota Creek on Refugio Road looking upstream at Crossing 3.

Description

The proposed fix for Crossing 3 is to replace an existing Arizona-type concrete crossing (Figure 2) with a 53-foot bottomless arched culvert that will allow for full juvenile and adult *O. mykiss* passage under the bridge and improve road safety along Refugio Road. The bridge will be designed to convey the 50-year peak flow event with a minimum of 1 foot of freeboard, and the ability to withstand the 100-year peak flow event. The bridge will be aligned with the natural flow of the channel to reduce the potential for deposition and scour. The creek bed will be graded upstream and downstream to provide a natural channel bed gradient under the culvert at a design gradient of 2.3%. The culvert will provide for an 18-foot wide road as required by the County of Santa Barbara with bridge rails and road guardrails. The proposed project will remove the current low flow concrete crossing, install a 53-foot bottomless arched culvert, construct a new road over the bottomless arched culvert, install vegetated rock slope protection around the bridge footings, and re-vegetate the site with native CDFW approved plants. The project will be constructed to meet all the applicable guidance and permit criteria by CDFW, NMFS, RWQCB, USACE, USFWS, and the County of Santa Barbara with respect to adult and juvenile anadromous and resident *O. mykiss* populations, as well as meet all traffic and public safety concerns. Any Coastal Live Oak, Valley Oak, or willow trees will be removed and replaced at a 10:1, 15:1, and 5:1 ratio, respectively. Hydro-mulching and hydro-seeding will be spread around the entire project footprint at the completion of the project to prevent erosion and return the site to a native and natural condition.

Habitat Improvement Plan | FY 2016 - 2020

Project Budget

Fiscal Year	Cost
Fiscal Year 2015-16 (design)	\$30,000
Fiscal Year 2016-16 (construction)	\$900,000
Total	\$930,000

DRAFT

Quiota Creek Crossing 4

Project Schedule

Design – FY 2015-16 and FY 2016-17, Construction – Fall FY 2016-17



Figure 3: Quiota Creek on Refugio Road showing upstream view of Crossing 4.

Description

The proposed fix for Crossing 4 is to replace an existing Arizona-type concrete crossing (Figure 3) with a 53-foot bottomless arched culvert that will allow for full juvenile and adult *O. mykiss* passage under the bridge and improve road safety along Refugio Road. The bridge will be aligned with the channel flow to reduce the potential for deposition and scour. The slope of the culvert will be 2% and the channel bed will be lined with engineered streambed material composed of native material creating a naturalized channel bottom. The culvert will provide for an 18-foot wide road as required by the County of Santa Barbara with bridge rails and road guardrails. The proposed project will remove the low flow crossing and replace it with a 53-foot bottomless arched culvert, construct a new road over the bottomless arched culvert, install vegetated rock slope protection around the bridge footings, and re-vegetate the site with native CDFW approved plants. The project will be constructed to meet all the applicable guidance and permit criteria by CDFW, NMFS, CRWQCB, USACE, USFWS, and the County of Santa Barbara with respect to adult and juvenile anadromous and resident *O. mykiss* populations, as well as meet all traffic and public safety concerns. Any Coastal Live Oak, Valley Oak, or willow trees will be removed and replaced at a 10:1, 15:1, and 5:1 ratio, respectively. Hydro-mulching and hydro-seeding will be spread around the entire project footprint at the completion of the project to prevent erosion and return the site to a native and natural condition.

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Project Budget

Fiscal Year	Cost
Fiscal Year 2015-16 (design)	\$30,000
Fiscal Year 2016-17 (design)	\$30,000
Fiscal Year 2016-17 (construction)	\$1,200,000
Total	\$1,260,000

DRAFT

Quiota Creek Crossing 5

Project Schedule

Design – FY 2015-16, FY 2016-17 and FY 2017-18, Construction – Fall FY 2017-18



Figure 4: Quiota Creek on Refugio Road showing upstream view of Crossing 5.

Description

The proposed fix for Crossing 5 is to replace an existing Arizona-type concrete crossing (Figure 4) with a 60-foot bottomless arched culvert that will allow for full juvenile and adult *O. mykiss* passage under the bridge and improve road safety along Refugio Road. The bridge will be aligned with the channel flow to reduce the potential for deposition and scour. The slope of the culvert will be approximately 3% and the channel bed will be lined with engineered streambed material composed of native material creating a naturalized channel bottom. The culvert will provide for an 18-foot wide road as required by the County of Santa Barbara with bridge rails and road guardrails. The proposed project will remove the existing low flow crossing, install a 60-foot bottomless arched culvert, construct a new road over the bottomless arched culvert, install vegetated rock slope protection around the bridge footings, place four rock weirs in the stream channel for grade control and to create *O. mykiss* habitat, and re-vegetate the site with native CDFW approved plants. The project will be constructed to meet all the applicable guidance and permit criteria by CDFW, NMFS, CRWQCB, USACE, USFWS, and the County of Santa Barbara with respect to adult and juvenile anadromous and resident *O. mykiss* populations, as well as meet all traffic and public safety concerns. Any Coastal Live Oak, Valley Oak, or willow trees will be removed and replaced at a 10:1, 15:1, and 5:1 ratio, respectively. Hydro-mulching and hydro-seeding will be spread around the entire project footprint at the completion of the project to prevent erosion and return the site to a native and natural condition.

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Project Budget

Fiscal Year	Cost
Fiscal Year 2015-16 (design)	\$30,000
Fiscal Year 2016-17 (design)	\$30,000
Fiscal Year 2017-18 (design)	\$30,000
Fiscal Year 2017-18 (construction)	\$900,000
Total	\$990,000

DRAFT

Salsipuedes Creek Jalama Road Fish Ladder Fix

Project Schedule

Design – FY 2015-16 and FY 2016-17, Construction – Fall FY 2016-17

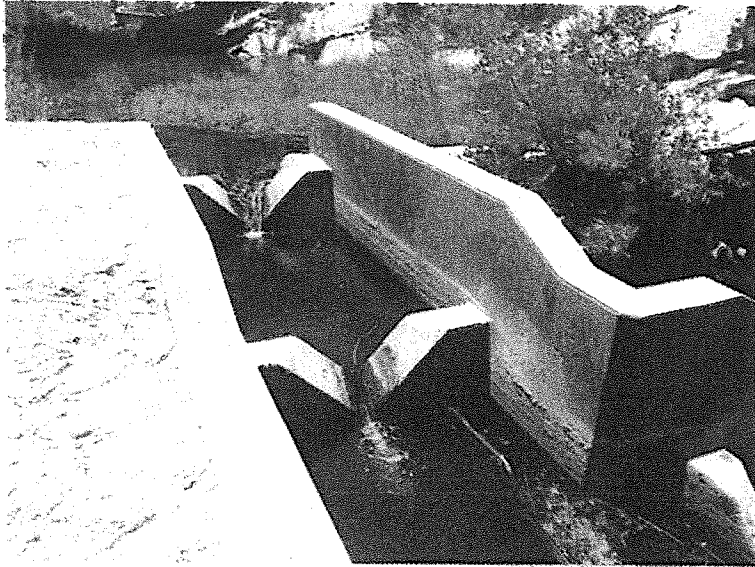


Figure 5: Salsipuedes Creek fish ladder at Jalama Road showing weirs that need to be fixed.

Description

A concrete structure located downstream of the Jalama Road Bridge on Salsipuedes Creek created a fish passage barrier to adult and juvenile steelhead. In 2004, COMB installed a fish passage structure (ladder) through that concrete apron on Salsipuedes Creek at the Jalama Road Bridge (Figure 5). This fish passage ladder was built along a bedrock outcrop capped with concrete by installing a series of three step-pools, which increased the range of flows during which juvenile and adult steelhead could migrate through the ladder. Although this fish passage ladder has successfully been passing juvenile and adult steelhead since its completion, NMFS and CDFW have requested that the orientation of the V-notch invert needs to be changed at each step-pool and that the maximum allowable jump height (1-foot) is being exceeded. In the spring of 2011, COMB solicited HDR Fisheries Design Center to create preliminary design criteria and design calculations for the requested fix.

The anticipated fix will include a modification to each weir invert and the installation of an additional pool attached to the ladder to facilitate a reduced jump height between pools. A stream by-pass system will likely need to be installed to keep water away from the immediate construction site. On the ground project implementation is expected to take 1 month in the fall of 2017.

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Project Budget

Fiscal Year	Cost
Fiscal Year 2015-16 (design)	\$15,000
Fiscal Year 2016-17 (design)	\$5,000
Fiscal Year 2016-17 (construction)	\$25,000
Total	\$45,000

DRAFT

Quiota Creek Crossing 8

Project Schedule

Design – FY 2015-16, FY 2016-17 and 2017-18, Construction – Fall FY 2017-18



Figure 6: Quiota Creek on Refugio Road showing upstream view of Crossing 8.

Description

The proposed fix for Crossing 8 is to replace an existing undersized temporary County bridge (Figure 6) with a 48-foot bottomless arched culvert that will allow for full juvenile and adult *O. mykiss* passage under the bridge and improve road safety along Refugio Road. The bridge will be aligned with the natural flow of the channel to reduce the potential for deposition and scour. The slope of the culvert will be approximately 2% and the channel bed will be lined with engineered streambed material composed of native material creating a naturalized channel bottom. The culvert will provide for an 18-foot wide road as required by the County of Santa Barbara with bridge rails and road guardrails. The proposed project will remove the existing temporary bridge, install a 48-foot bottomless arched culvert, construct a new road over the bottomless arched culvert, install vegetated rock slope protection around the bridge footings, and re-vegetate the site with native CDFW approved plants. The project will be constructed to meet all the applicable guidance and criteria by CDFW, NMFS, CRWQCB, USACE, USFWS and the County of Santa Barbara with respect to adult and juvenile anadromous and resident *O. mykiss* populations while meeting all traffic, public safety and water quality concerns. One large Coast Live Oak tree and one willow tree will be removed and replaced at a 10:1 and 5:1 ratio, respectively. Hydro-mulching and hydro-seeding will be spread around the entire project footprint at the completion of the project to prevent erosion and return the site to a native and natural condition.

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Project Budget

Fiscal Year	Cost
Fiscal Year 2015-16 (design)	\$30,000
Fiscal Year 2016-17 (design)	\$30,000
Fiscal Year 2017-18 (design)	\$30,000
Fiscal Year 2017-18 (construction)	\$900,000
Total	\$990,000

DRAFT

Quiota Creek Crossing 9

Project Schedule

Design – FY 2018-19 and FY 2019-20, Construction – Fall FY 2019-20

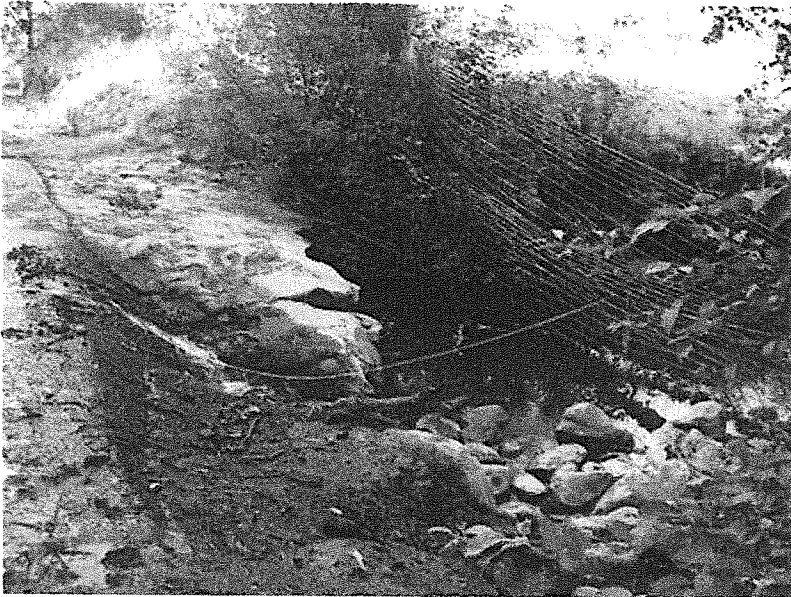


Figure 7: Quiota Creek on Refugio Road showing side-view of Crossing 9.

Description

The proposed fix for Crossing 9 is to replace an existing Arizona-type concrete crossing (Figure 7) with a 48-foot bottomless arched culvert that will allow for full juvenile and adult *O. mykiss* passage under the bridge and improve road safety along Refugio Road. The bridge will be aligned with the channel flow to reduce the potential for deposition and scour. The slope of the culvert will be approximately 2% and the channel bed will be lined with engineered streambed material composed of native material creating a naturalized channel bottom. The culvert will provide for an 18-foot wide road as required by the County of Santa Barbara with bridge rails and road guardrails. The proposed project will remove the existing low flow crossing, install a 48-foot bottomless arched culvert, construct a new road over the bottomless arched culvert, install vegetated rock slope protection around the bridge footings, place two rock weirs in the stream for grade control and create *O. mykiss* habitat, and re-vegetate the site with native CDFW approved plants. The project will be constructed to meet all the applicable guidance and permit criteria by CDFW, NMFS, CRWQCB, USACE, USFWS, and the County of Santa Barbara with respect to adult and juvenile anadromous and resident *O. mykiss* populations, as well as meet all traffic and public safety concerns. Any Coastal Live Oak, Valley Oak, or willow trees will be removed and replaced at a 10:1, 15:1, and 5:1 ratio, respectively. Hydro-mulching and hydro-seeding will be spread around the entire project footprint at the completion of the project to prevent erosion and return the site to a native and natural condition.

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Project Budget

Fiscal Year	Cost
Fiscal Year 18-19 (design)	\$30,000
Fiscal Year 19-20 (design)	\$30,000
Fiscal Year 19-20 (construction)	\$900,000
Total	\$960,000

DRAFT

Cachuma Lake Oak Tree Restoration Program

Project Schedule

Year round

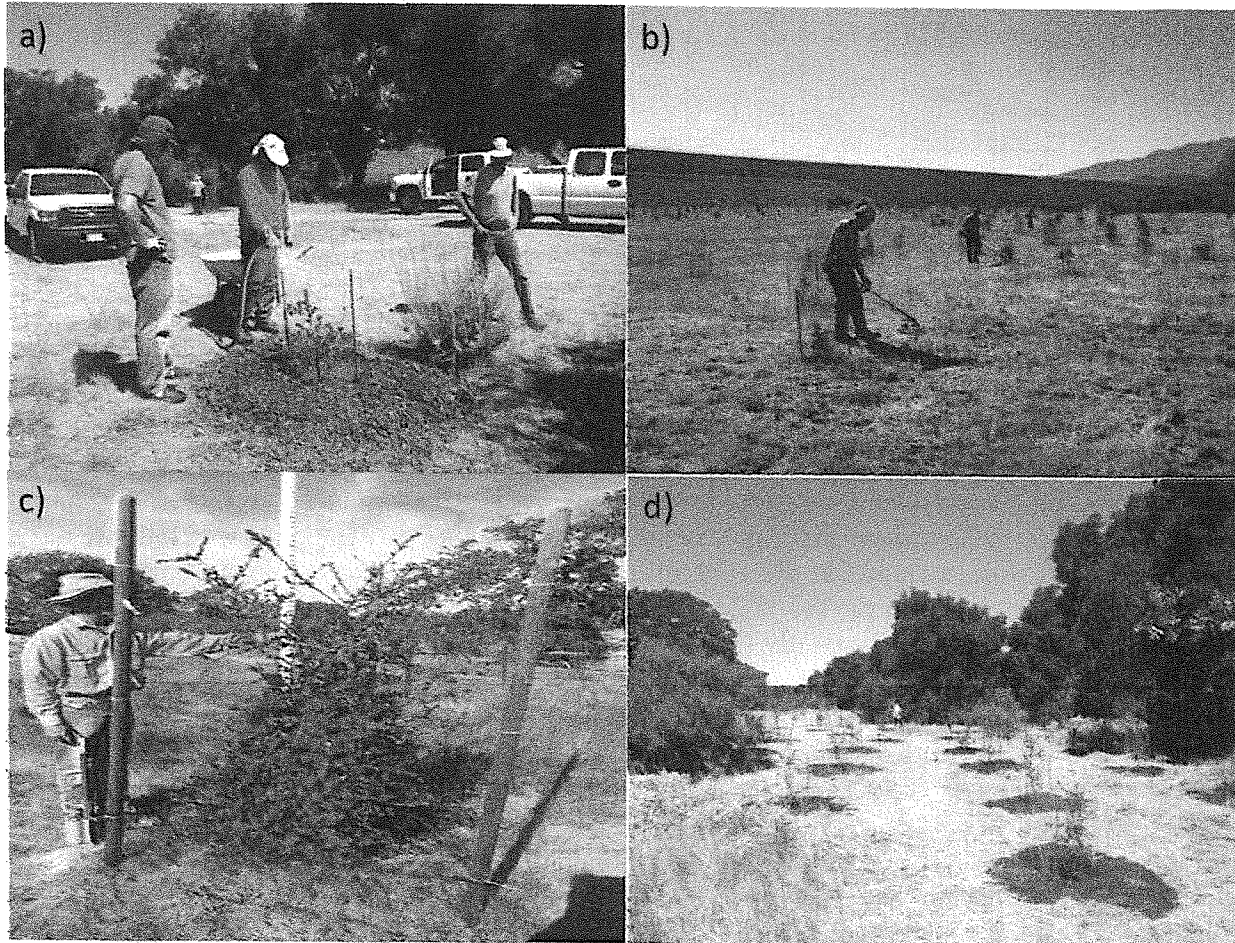


Figure 8: Cachuma Lake Oak Tree Restoration Program showing a) irrigation training with arborist, b) weed whacking by California Conservation Core, c) oak tree inventory documentation, and d) recent mulch application. (Let me know if you would like new photos)

Summary

COMB, with the assistance of a contracted registered consulting arborist, began managing and implementing the Cachuma Lake Oak Tree Restoration Program (Program) in Fiscal Year 2012-2013 (Figure 8). A maintenance and monitoring plan (Plan) was put into place which describes the current conditions and contains guidelines for all program operations that are derived from standards established by the International Society of Arboriculture Best Management Practices for oak tree planting and maintenance. The program is ongoing until mitigation requirements from surcharging Lake Cachuma by three feet are met in 2025.

Background

In 2004, Reclamation installed 4 foot high flash boards on Bradbury Dam on the top of the radial gates. This allows for the surcharging of Lake Cachuma from 750 to 753 feet above mean sea level. At that time, this additional water storage was calculated to be 9,200 acre-feet and was designated to support the fisheries activities below Bradbury Dam. Lake Cachuma was fully surcharged for the first time in 2005. After the December 2013 Bathymetric survey that additional 3 feet provides for 9,184 acre-feet of storage.

Surcharging Lake Cachuma was listed as a proposed action in the Cachuma Project Biological Opinion (BO) (NMFS, 2000). Environmental impacts from that action were described and covered in the EIR/EIS for the Lower Santa Ynez River Fish Management Plan and BO for southern steelhead trout (COMB and USBR, 2004). The environmental impact from surcharging Lake Cachuma was determined to be a significant but mitigable impact (Class II) due to the small acreage involved. The 2004 EIR/EIS states that Reclamation will be conservative in their count of impacted shoreline oak trees by including in their final count dead and impacted (threatened or at-risk) trees. The EIR/EIR recommended an initial replacement ratio of 5:1 but COMB settled on 2.5:1 in order to reach a final 2:1 replacement ratio at 20 years (2025) with the mitigation number set at 10 years after surcharging began in 2015.

Increasing storage in the lake during surcharge events can impact near shore oak trees by inundation or wave action. In 2005, the Cachuma Lake Oak Tree Restoration Program was put in place to mitigate the potential loss of oak trees around the shoreline of Lake Cachuma from surcharge operations. An oak tree specialist was contracted to run the project and continued to be utilized for the past seven years. The effect of surcharging on lakeshore oak trees was observable from 2005 onward. The reservoir was fully surcharged for the first time on January 14, 2005 and subsequently on May 7, 2006 and more recently on May 5, 2011. During 2011, which was a historic rainfall year, the lake was held at or near full surcharge for an extended period of time. This was the first time in the history of the project that a full surcharge had been maintained over the course of several months.

For six consecutive years starting in Fiscal Year 2005-2006, oak trees were planted and maintained in accordance with a mitigation plan. Mitigated oak trees have been planted in two areas around Lake Cachuma: Storke Flats and just downstream of Bradbury Dam. Over 2,200 trees have been planted so far at an approximate ratio of 9:1, Coastal Live Oak to Valley Oak trees. In 2015, the exact number of mitigated oak trees (Dead and At-Risk) will be determined at which point more oak trees will be planted. Planting for the eventuality started in FY 2014-2015 with 900 trees haven been planted. If the mitigation requirement is met at a success rate of 2:1 for mature oak trees, the program will be over in 2025.

Need for Project

This mitigation effort is to replace dead or at-risk oak trees around the shore of Lake Cachuma due to lake surcharging, which is a requirement of the EIR/EIS for the Lower Santa Ynez River Fish Management Plan and BO for southern steelhead trout (COMB and USBR, 2004).

Description

The following BMPs have been and will be conducted under supervision of the consulting registered arborist.

Irrigation: Oaks planted will be watered on an as needed basis depending on ambient conditions. All

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trees are now at least three years old and should be self-sustaining but drought conditions observed during the past three years will require some additional irrigation.

Weeding: All vegetation will be kept 1 foot away from the trunk, allowing the root collar to be exposed to air and sunlight. General weeding should be done in a 10 foot radius around each tree. Weed trimming will occur in the spring when grasses are expected to be prolific, followed by additional weeding in the summer and fall on an as needed basis.

Protective Caging: All trees will be caged for deer browsing protection until the trees are taller than 7 feet. Cages will be maintained in the winter when new growth is not being put on. Once the oak trees are over 7 feet tall, the tree cages will be removed.

Mulching: Mulch will be placed approximately 1-2 feet beyond the trunk base, extending out to where the roots are anticipated to be present (3-4 feet beyond the trunk). Mulch will be applied to a depth of 3 to 4 inches and will not be up against the tree trunk.

Root Collar Maintenance: Soil will be pulled back at least 4 inches from the trunk down to the root collar. The objective of this task is to allow continuous air circulation around the trunk, as moist soil adjacent to the trunk increases the likelihood of fungal diseases which can lead to tree failure.

Pruning: Young oak trees need a strong, well-established, central leader to promote vertical growth and long-term survival. This is particularly the case in areas where deer browsing can severely limit vertical growth such as around Lake Cachuma. This minor level of pruning will take place each fall and winter only.

Inventory: A comprehensive oak tree inventory will be conducted in the late fall and maintained to track the location, condition, and maintenance needs of each tree. Photo and GPS documentation will alleviate any discrepancies in survivorship and missing trees. A GIS oak tree inventory will assist in managing maintenance needs.

Budget

Fiscal Year	Cost
Fiscal Year 15-16	\$100,000
Fiscal Year 16-17	\$75,000
Fiscal Year 17-18	\$60,000
Fiscal Year 18-19	\$60,000
Fiscal Year 19-20	\$60,000
Total	\$355,000



Mission Statement:

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

DATE: April 27, 2015

General Manager Report

- **USBR Site Inspection**
COMB is routinely requested by USBR to provide a status update to USBR Category 1 recommendations. Cross connection protection is one of these recommendations. Cross connection surveys and reports have been provided to USBR by the impacted Member Units. It is COMB’s understanding, from information received, cross connection compliance has been achieved.
- **NP Elevator Rehabilitation**
The North Portal Elevator rehabilitation is complete and Cal/OSHA has issued an operating permit. Following the final inspection, an internal component within the electronic control panel failed. The description of contracted replacement of this equipment is provided under Item 4. h. in the agenda package. Once the equipment is replaced USBR will schedule an inspection to determine if the item can be removed from the Category 1 recommendations.
- **Santa Barbara County Drought Task Force (DTF)**
COMB continues to provide project updates to the DTF. On April 15, 2015, the DTF met to discuss numerous drought related topics. Included in the discussion was information regarding the status of the categories of water in the lake. The County has been providing information and discussing the matter with Member Unit Managers.
- **Encroachment**
Staff continues the effort to reconcile easement records with accurate property owner information. Accurate property owner information serves as the foundation for encroachment permits and the ability to assume the responsibility for activities within the easement of the SCC. On a parallel track, staff is beginning the development of a structure to place the easement information in a GIS system and record existing encroachments.

The draft Infrastructure Improvement Program (IIP) contains information on existing encroachments that potentially pose an operational risk to the SCC.

- **Drought Emergency Pumping Facility Project**

1. **Construction Status**

- The pumping system is operational and in standby mode until operation becomes necessary. The most recent estimate of factors impacting lake elevation indicate the system may not be required until late April or early May. The system is tested monthly by the contractor.
- The PG&E transformer and electrical switch gear remains protected by fencing and security personnel is on site.
- Discussions continue regarding relocation of the pumping barge and related issues.
- Pipe retention alternative storage options are under review for consideration following disassembly of the EPFP. Information on potential options will be forwarded to MU Managers for review within the next two weeks.

2. **Grant Funding**

Grant funding agreement documents have been completed and formalized between the participating Member Units, the Department of Water Resources (DWR) and the State Water Resources Control Board (SWRCB).

- SWRCB invoice information has been provided to the MU's.
- County formal acceptance of the Proposition 84 grant is anticipated by the end of April.
- DWR invoice information is being cooperatively developed.

- **Infrastructure Improvement Program**

The draft Infrastructure improvement Program was reviewed by the Operations Committee and forwarded to the MU Managers for review and comment on March 13, 2015.

- **Draft COMB FY 2015-16 Budget**

The draft budget was reviewed by the Administration Committee on April 6, 2015 and forwarded to the MU Managers for review on April 9, 2015. COMB conducted a budget briefing and answered questions from MU Managers on April 20, 2015. COMB also invited MU managers to ask

questions via email and indicated questions and responses would be provided to all managers.

- **COMB Office Buildings**
Investigation into replacement options for modular buildings is continuing. Following staff review, an analysis and recommendation will be brought to the Administrative Committee.

- **Division Manager Comments**

See Attachment (A) for Emergency Pumping Facility Project expenditure detail.

Respectfully Submitted,

Randall Ward

General Manager

EMERGENCY PUMPING FACILITY PROJECT FY 2014/2015

Attachment A

AS OF: 3/31/2015

FY 14/15 APPROVED BUDGET

Drought Contingency Planning	ACCT #6108	-	
Emergency Pumping Facility Project	ACCT #6120	4,708,000.00	

Total Budget Approved **\$ 4,708,000.00**

FY 13/14 Unexpended funds (*unapproved projected*) 7,649.44 *Acct #6108

\$ 4,715,649.44 Total funds available FY 14/15

FY 13/14 DROUGHT CONTINGENCY-EMERGENCY PUMPING FACILITY PROJECT				
CONSULTANTS	BUDGET	EXPENDED	BALANCE	Description
Environ Strategy	60,000.00	9,191.50	50,808.50	Project Management Services
HDR Engineering	198,748.00	178,645.48	20,102.52	Develop proj def; assist w/RFP, etc
MPG - Environmental/Legal	50,000.00	80,622.32	(30,622.32)	Environmental / Legal fees
Permits	8,045.25	8,045.25	-	CDFW-\$4,912.25 / RWQCB-\$3,133
PG&E	7,000.00	7,000.00	-	On-going project electrical charges
Smith, Watts & Martinez	20,000.00	20,000.00	-	Lobbyist-drought relief funding
SYRWCD ID#1 (Stetson)	5,000.00	4,025.17	974.83	Work authorized by RW/TR
Miscellaneous	33,206.75	119.72	33,087.03	Non-Contract Incidental charges
Cushman Contracting	350,000.00	350,000.00	-	Phase I designs/mobilization/site prep
HDR Engineering	50,000.00	-	50,000.00	Project Management fees
Contractor	54,000.00	-	54,000.00	Evaluation of NP gates, stems, guides
VAG	150,000.00	152,272.44	(2,272.44)	Stems for gates 1-5
PG&E	-	107,370.37	(107,370.37)	Electrical Installation contract
Cushman Contracting**	-	528,840.00	(528,840.00)	JE of Phase II Jun work from FY 14/15
FY 2013/2014 Totals	\$ 986,000.00	\$ 1,446,132.25	\$ (460,132.25)	

FY 14/15 EMERGENCY PUMPING FACILITY PROJECT				
CONSULTANTS	BUDGET	EXPENDED	BALANCE	Description
Cushman Contracting	3,568,000.00	3,486,862.13	81,137.87	Construction - Phase II/Operations
HDR Engineering	150,000.00	57,663.05	92,336.95	Contract Management tasks
PGE Construction	750,000.00	21,390.00	728,610.00	
PGE Monthly Costs	240,000.00	111,907.00	128,093.00	
PGE Electricity charges	-	9,631.02	-	
RMC Water & Environment	-	24,533.50	(24,533.50)	Prop 84, Grant Application support
Rodney Hunt-Fontaine	-	540.00	(540.00)	Stems/guides-cast/engineering
SY Band of Chumash	-	1,914.30	(1,914.30)	Field monitoring
Bank of Santa Barbara	-	47,077.51	(47,077.51)	Loan fees/Interest (CVWD/GWD/MWD)
Misc	1,214.97	1,214.97	-	Materials, supplies, Permits, etc.
	\$ 4,709,214.97	\$ 3,762,733.48	\$ 956,112.51	

** This entry/amount is representative of the JE as required by the Auditors to expense Phase II Inv#2B, worked performed in June 13/14, to proper Fiscal Year. This Phase II work was included in FY 14/15 budget.

COMBINED FY 13/14 & 14/15 Totals			
BUDGET	EXPENDED	BALANCE	
\$ 5,695,214.97	\$ 5,208,865.73	\$ 495,980.26	

QB Reconciliation	1,446,132.25	QB Total Expenditures FY 13/14
	3,762,733.48	QB Total Expenditures FY 14/15
	\$ 5,208,865.73	