

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

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

Monday, September 28, 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. **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 of August 24, 2015 Regular Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Review of Paid Claims
 - d. Review of Pending Claims for Payment
4. **UPDATE FROM U.S. BUREAU OF RECLAMATION**
Receive information pertaining to the Cachuma Project
5. **VERBAL REPORTS FROM BOARD COMMITTEES**
Receive verbal information regarding the following committee meetings:
 - Operations Committee Meeting – September 18, 2015
 - Fisheries Committee Meeting – September 22, 2015
6. **CUSHMAN CONTRACTING OUTSTANDING CLAIM SUMMARY**
Action: Recommend approval by motion and roll call vote of the Board
7. **TRANSMITTAL OF LETTER REQUESTED BY NATIONAL MARINE FISHERIES SERVICE (NMFS)**
Action: Recommend approval by motion and roll call vote of the Board

8. **INTERIM GENERAL MANAGER'S REPORT**
Receive information from the Interim General Manager on topics pertaining to COMB, including but not limited to the following:
- Board Administration
 - General Manager Recruitment Process
 - Financial
 - Operations Division
 - Fisheries Division
9. **OPERATIONS DIVISION REPORT**
Receive information regarding Operations Division, including but not limited to the following:
- Lake Cachuma Operations
 - Operation and Maintenance Activities
10. **UPDATE ON FISH PASSAGE IMPROVEMENT PROJECT – QUIOTA CREEK CROSSING 3**
Receive information for discussion and possible action by motion and roll call vote of the Board
11. **FISHERIES DIVISION REPORT**
Receive information regarding Fisheries Division, including but not limited to the following:
- LSYR Steelhead Monitoring Elements
 - Tributary Project Updates
 - Surcharge Water Accounting
 - Reporting/Outreach/Training
12. **PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM**
Receive information regarding the Lake Cachuma Oak Tree Program including but not limited to the following:
- Maintenance and Monitoring
13. **MONTHLY CACHUMA PROJECT REPORTS**
Receive information regarding the Cachuma Project, including but not limited to the following:
- a. Cachuma Water Reports
 - b. Cachuma Reservoir Current Conditions
 - c. Lake Cachuma Quagga Survey
14. **DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING**
15. **[CLOSED SESSION]: CONFERENCE WITH LEGAL COUNSEL: EXISTING AND POTENTIAL LITIGATION**
[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
16. **RECONVENE INTO OPEN SESSION**
[Government Code Section 54957.7]
Disclosure of actions taken in closed session, as applicable
[Government Code Section 54957.1]

17. **MEETING SCHEDULE**

- **October 19, 2015 at 2:00 P.M., COMB Office**
- **Board Packages Available on COMB Website**
www.cachuma-board.org

18. **COMB ADJOURNMENT**

NOTICE TO PUBLIC

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

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

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

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

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

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

held at
3301 Laurel Canyon Road, Santa Barbara, CA
Monday, August 24, 2015

1. Call to Order, Roll Call

The meeting was called to order at 2:00 p.m. by President Doug Morgan 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
Harwood "Bendy" White	City of Santa Barbara
Polly Holcombe	Carpinteria Valley Water District

Others present:

Janet Gingras	Chris Dahlstrom
Tim Robinson	Russell Ruiz
Dale Francisco	Kelley Dyer
Tyrone LaFay	Jane Usher
Charles Hamilton	Chris Dudley
Sam Schaefer	Phil Walker
Mitchell White	Amy Smith
Adelle Capponi	

2. Public Comment

Phil Walker spoke to expectations of a possible El Niño year.

Dale Francisco referenced the continued ability of member agencies to work together in times of need by recounting recent water exchanges made amongst them.

3. Introduction of Staff Intern

Janet Gingras, Interim General Manager, introduced Christopher Dudley, COMB's newest staff intern. Mr. Dudley is filling a Right-of-Way technician position and started work with COMB in January, 2015. The Board welcomed Mr. Dudley and noted they looked forward to the continued opportunity to work with him.

4. Election of Vice-President of the Cachuma Operation & Maintenance Board

Director Holcombe nominated Director White of the City of Santa Barbara for the Vice-Presidency. Hearing no other nominations, Director White was elected Vice-President of the Board by the following 6/0/1 roll call vote:

Ayes: Walsh, Holcombe, Hanson, Morgan
Nays: None
Absent/Abstain: White

5. Procedure for Payment of Claims

The Board discussed the new, hybrid method of reviewing certain claims before the issuance of payment and continuing to pay others routinely. President Morgan stated that the new method would be carried out on a trial basis over the next few months before the Board makes any final decisions on implementing a new procedure.

6. Consent Agenda

a. Minutes

July 27, 2015 Regular Board Meeting

b. Investment Funds

Financial Reports

Investment Reports

c. Review of Paid Claims

d. Review of Pending Claims for Payment

Director Hanson moved to approve the Consent Agenda, seconded by Director Holcombe. Director Walsh exclaimed that he would be voting “No” for his “usual reasons,” and that he saw no need to go into further detail on the subject. Following discussion, the motion carried 6/1/0 as follows:

Ayes: White, Holcombe, Hanson, Morgan
Nays: Walsh
Absent/Abstain: None

7. Verbal Reports from Board Committees

- *Operations Committee Meeting – August 6, 2015:* Director Walsh reviewed topics discussed at the meeting, including certain facets of the Emergency Pumping Facilities Project (EPFP), Infrastructure Improvement Plan (IIP) projects, proposed labor contracts, and a temporary emergency stabilization of the South Coast Conduit (SCC) at Mission Creek.
- *Fisheries Committee Meeting – August 6, 2015:* Director Holcombe summarized the meeting in detail, highlighting several items on the agenda such as the 2015 Trust Fund and Renewal Fund Report, a proposed draft letter from COMB to NMFS demonstrating existence of a Nexus, and a status report on pending Quiota Creek tributary projects. Director Holcombe iterated that the Committee discussed at length and gave careful consideration to the 2001 Fisheries Memorandum of Understanding (MOU).
- *Administrative Committee Meeting – August 14, 2015:* President Morgan briefly outlined the agenda items, primarily focusing on the draft Director Handbook presented to the Committee; he spoke to the Committee’s plans to take the draft handbook to the Board once the next draft has been completed.

8. Operations Division Staff Presentation – Overview of South Coast Conduit Conveyance System

Operations staff was delayed due to operational needs at the lake. The presentation will be carried forward to the September or October COMB Regular Board Meeting.

9. Resolution No. 608 – Increasing Project Expenditure and Extending Project Expenditure Date for the Emergency Pumping Facilities Project

Ms. Janet Gingras, Interim General Manager, presented the item, explaining that Resolution No. 608 proposed an extension of the project expenditure date by six months alongside a corresponding increase in expenditure for six additional months' operational costs, totaling Six Hundred Thirty-Eight Thousand Dollars (\$638,000.00).

Director Walsh brought up the project Indemnification Agreement's applicability to a possible increase in project expenditure, overall project finance, and grant funding reimbursement. Director Walsh also noted that it is unacceptable for project expenditures to be "piecemealed," as any COMB endeavor with a total expenditure equal to or exceeding One Million Dollars (\$1,000,000.00) requires a unanimous vote of approval by the Board.

Mr. Bill Carter, COMB General Counsel, weighed in on the increase in expenditure, stating that the initial Six Million Dollars (\$6,000,000.00) in project expenditure was originally approved by the Board in April, 2014, with the passing of Resolution No. 577. Separately, Resolution No. 608 proposes an increase in expenditure less than the One-Million-Dollar threshold and, thus, does not require a unanimous vote of the Board. If, however, an additional increase in expenditure were to be considered beyond Resolution No. 608, which with the currently proposed \$638,000.00 totaled in excess of One Million Dollars (\$1,000,000.00), its approval would likely require unanimous vote of the Board. Respective to the Indemnification Agreement, Counsel's opinion, after careful review, is that it does apply. Mr. Carter noted that if the project were to change or 'morph' into something different, it certainly would need to be revisited. President Morgan directed COMB Counsel to contact Counsel for ID No.1 and address the Indemnification query.

Director Holcombe moved to approve Resolution No. 608, seconded by Director Hanson. Following a lengthy exchange, Director Walsh pressed for President Morgan to call for the vote. Resolution No. 608 was passed by unanimous roll call vote:

Ayes: White, Walsh, Holcombe, Hanson, Morgan

Nays: None

Absent/Abstain: None

10. Contract with State of California Conservation Corps

Director Holcombe moved to authorize execution by Interim General Manager, Janet Gingras, of a contract with California Conservation Corps for an amount not-to-exceed \$25,000.00, upon Legal Counsel's review and approval. Seconded by Director White, the motion carried 7/0/0 as follows:

Ayes: White, Walsh, Holcombe, Hanson, Morgan

Nays: None

Absent/Abstain: None

11. Memorandum of Understanding with CAL FIRE Conservation Camp Program

Director White noted that the CAL FIRE program is one of the best free labor arrangements in the state of California. The Board acknowledged that while COMB may not receive an excess amount of labor from the agreement due to a prolific wildfire season, they would benefit from each day the program is able to assist. Director Hanson moved approval of the Memorandum of Understanding (MOU). Seconded by Director Holcombe, the motion carried 7/0/0 as follows:

Ayes: White, Walsh, Holcombe, Hanson, Morgan

Nays: None

Absent/Abstain: None

12. Fish Passage Improvement Project – Quiota Creek, Crossing 3

- a. Execution of Purchase Order for Contech Engineered Solutions, LLC*
- b. Payment of Encroachment Permit fees*
- c. Commencement of Bidding Process for Project Construction*
- d. Execution of Construction Contract with the Lowest Responsive and Responsible Bidder*

Ms. Gingras presented all the portions of the item being considered for approval. Director Walsh asked COMB Counsel about COMB's ability to enter into a Non-Competitive Bid contract. In reply, Ms. Jane Usher explained that because there is no other vendor for the specific type of bridge needed, the sole-source nature of the contract allows the non-competitive bid for the bridge purchase. Dr. Robinson added that the JPA allows non-competitive bidding; COMB, however, has historically sought approval to do so as a courtesy.

Director Walsh suggested the Board delay voting on the project, suggesting that its true cost would exceed One Million Dollars if it were to include prior costs and any contingencies. Director Hanson moved to approve Item 12a – d, commenting that the project is extremely cost-effective and paid for largely through grant funding. Director Holcombe seconded the motion while echoing Director Walsh's comment regarding 'piecemealing', and agreed that final cost analysis should be done.

President Morgan directed the Fisheries Committee to review some past tributary projects, as well as any moving forward, to ensure they have not and will not be piecemealed to result in total expenditures greater than One Million Dollars. Referring to this as "Speech A", Director Walsh once again mentioned the 2001 Fisheries MOU and the ability it gives ID No. 1 to decline to participate in certain fisheries projects.

Following discussion, the motion carried 6/1/0 as follows:

Ayes: White, Holcombe, Hanson, Morgan

Nays: Walsh

Absent/Abstain: None

13. Interim General Manager's Report

- *Board Administration:* Janet Gingras, Interim General Manager, briefed the Board on the reference booklet they received at the beginning of the meeting. The booklet included the COMB Fiscal Year 2015-16 Adopted Budget, Five-Year Infrastructure Improvement Plan (IIP), and Five-Year Habitat Improvement Plan (HIP). Ms. Gingras also referenced the status of the Director Handbook, which is under development for presentation to the Board.
- *Personnel:* Current staff recruitments were mentioned.
- *Financial:* Staff is preparing for the Fiscal Year 2014-15 Audit, scheduled to commence in late September.
- *Operations Division:* Both the USBR North Portal Elevator Site Inspection and the USBR Dam and Annual Security Inspections were completed with the full results pending. The Right-of-Way Project, Mission Creek Emergency Stabilization Project, and the Drought Emergency Pumping Facilities Project (EPPF) were examined. Ms. Gingras disclosed to the Board that the EPPF had just begun to pump that very afternoon. Director Hanson expressed deep gratitude for the project as a lifeline source of water to the communities served by the member agencies.
- *Fisheries Division:* WR 89-18 Release trapping and water hyacinth removal were examined.

Director Holcombe applauded Ms. Gingras for a thorough and complete report.

14. Operations Division Report

- *Lake Cachuma Operations*
- *Operation and Maintenance Activities*

Operations Division Manager, Dave Stewart, was not present at the time the Board considered the Operations Division Report. Interim General Manager, Janet Gingras, offered to receive and respond to any questions from the Board regarding to the report; there were no questions at that time.

15. Fisheries Division Report

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

Tim Robinson, Fisheries Division Manager, noted some highlights as presented in his report included the board packet. Additionally, Tim reported on the results of the recent trapping effort performed by the Fisheries Division staff as requested by USBR.

16. Progress Report on Lake Cachuma Oak Tree Program

- *Maintenance and Monitoring*

Tim Robinson noted that the Oak Tree program is progressing and that an Oak Tree Committee Meeting is expected to be scheduled as soon as possible.

17. Monthly Cachuma Water Reports

The reports were included in the board packet for information. There were no questions from the Board.

18. General Manager Recruitment Process

President Morgan introduced the item, expressing that Director White had recommended the use of a recruitment firm, Bob Murray & Associates, to aid COMB in retaining a General Manager. A cursory discussion including an outline of the recruitment process and preliminary planning ensued. Director Holcombe then moved to authorize COMB to enter into a contract with Bob Murray & Associates for an amount not-to-exceed \$25,000. Seconded by Director White, the motion carried 7/0/0 as follows:

Ayes: White, Walsh, Holcombe, Hanson, Morgan

Nays: None

Absent/Abstain: None

Director Hanson proffered questions on a proposed time-table for the process; Director Walsh pronounced the importance of the discussion being conducted in a manner such that each Director's views may be openly aired and considered.

19. Directors' Requests for Agenda Items for Future Meeting

- Director Holcombe requested to have legal process and review on all of the items Counsel has been working on, many of which the Directors' have been unaware. This could be either in open or closed session, as appropriate, to be considered at the next Regular Board meeting.

20. [Closed Session]: Conference with Legal Counsel: Existing and Potential Litigation; and, Public Employment/Public Employee Appointment

Prior to entering closed session, Russell Ruiz commented on Item 20a.

The Board went into closed session at 4:40 p.m.

The Board Next Considered Item 20b

- b. [Government Code Section 54957(b)(1)]
Confidential Personnel Matter – Interim General Manager
- 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

Director Walsh recused himself from discussion on this item.

21. 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 6:17 p.m.

- a. California Trout, Inc. v. United States Bureau of Reclamation et al
There was no reportable action.
- b. Confidential Personnel Matter - Interim General Manager
There was no reportable action.

22. Meeting Schedule

- The next regular Board meeting will be held September 28, 2015 at 2:00 p.m.
- The Agendas and Board Packets are available on the COMB website at www.cachuma-board.org

23. COMB Adjournment

There being no further business, the meeting was adjourned at 6:18 p.m.

Respectfully submitted,

Janet Gingras, Secretary of the Board

APPROVED:

Doug Morgan, President of the Board

	<i>Approved</i>
√	<i>Unapproved</i>

09/23/15

Accrual Basis

COMB
Statement of Net Assets
As of August 31, 2015

ASSETS

Current Assets

Checking/Savings

TRUST FUNDS

1210 · WARREN ACT TRUST FUND 327,671.52

1220 · RENEWAL FUND 10,215.61

Total TRUST FUNDS 337,887.13

1050 · GENERAL FUND 860,498.57

1100 · REVOLVING FUND 7,322.53

Total Checking/Savings 1,205,708.23

Other Current Assets

1010 · PETTY CASH 500.00

1200 · LAIF 1,031,873.57

1303 · Bradbury SOD Act Assmnts Rec 78,676.00

1304 · Lauro Dam SOD Assesmnt Rec 13,818.00

1315 · Assessments Rec 1,038,827.26

1400 · PREPAID INSURANCE 18,125.72

Total Other Current Assets 2,181,820.55

Total Current Assets 3,387,528.78

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 2,601,317.00

Total Other Assets 8,890,148.07

TOTAL ASSETS 12,419,684.22

09/23/15

Accrual Basis

COMB
Statement of Net Assets
As of August 31, 2015

LIABILITIES & NET ASSETS

Liabilities

Current Liabilities

Accounts Payable

2200 · ACCOUNTS PAYABLE

503,085.22

Total Accounts Payable

503,085.22

Other Current Liabilities

Payroll-DepPrm Admin

234.24

Payroll-DepPrm FD

4.62

Payroll-DepPrm Ops

4.62

2505 · ACCRUED WAGES

28,700.35

2550 · VACATION/SICK

124,333.16

2561 · BRADBURY DAM SOD ACT

-69,194.98

2563 · LAURO DAM SOD ACT

-18,270.00

2565 · ACCRUED INTEREST SOD ACT

87,008.00

2590 · DEFERRED REVENUE

837,887.13

Total Other Current Liabilities

990,707.10

Total Current Liabilities

1,493,792.32

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

2,601,317.00

Total Long Term Liabilities

9,485,838.07

Total Liabilities

10,979,630.39

NET POSITION

3901 · Retained Net Assets

1,115,489.44

Net Income

324,563.44

Total Net Assets

1,440,053.83

TOTAL LIABILITIES & NET POSITION

12,419,684.22

comb2
Statement of Revenues and Expenditures
Budget vs. Actuals July 2015 - Jun 2016

	Fisheries				Operations				TOTAL			
	Jul - Aug 15	Budget	\$ Over Budget	% of Budget	Jul - Aug 15	Budget	\$ Over Budget	% of Budget	Jul - Aug 15	Budget	\$ Over Budget	% of Budget
Income												
3000 REVENUE												
3001 - O&M Budget (Qtrly Assessments)	69,183.00	1,099,077.00	-1,029,894.00	6.3%	944,191.00	5,651,050.00	-4,706,859.00	16.71%	1,013,374.00	6,750,127.00	-5,736,753.00	15.01%
3006 - Warren Act	0.00	571,728.00	-571,728.00	0.0%	0.00	0.00	0.00	0.0%	0.00	571,728.00	-571,728.00	0.0%
3007 - Renewal Fund	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
3010 - Interest Income	0.00	0.00	0.00	0.0%	15.12	0.00	15.12	0.0%	15.12	0.00	15.12	100.0%
3020 - Misc Income	0.00	0.00	0.00	0.0%	58.20	0.00	58.20	0.0%	58.20	0.00	58.20	100.0%
3032 - Grant-QC Crossing #3	0.00	705,205.00	-705,205.00	0.0%	0.00	0.00	0.00	0.0%	0.00	705,205.00	-705,205.00	0.0%
3033 - Grant-QC Crossing # 0 (a&b)	0.00	671,635.00	-671,635.00	0.0%	0.00	0.00	0.00	0.0%	0.00	671,635.00	-671,635.00	0.0%
3035 - Cachuma Project Betterment Fund	0.00	90,000.00	-90,000.00	0.0%	0.00	0.00	0.00	0.0%	0.00	90,000.00	-90,000.00	0.0%
Total 3000 REVENUE	69,183.00	3,137,645.00	-3,068,462.00	2.21%	944,264.32	5,651,050.00	-4,706,785.68	16.71%	1,013,447.32	8,788,695.00	-7,775,247.68	11.53%
Total Income	69,183.00	3,137,645.00	-3,068,462.00	2.21%	944,264.32	5,651,050.00	-4,706,785.68	16.71%	1,013,447.32	8,788,695.00	-7,775,247.68	11.53%
Gross Profit	69,183.00	3,137,645.00	-3,068,462.00	2.21%	944,264.32	5,651,050.00	-4,706,785.68	16.71%	1,013,447.32	8,788,695.00	-7,775,247.68	11.53%
Expense												
PAYROLL												
Gross	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
Gross-FD	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
Total PAYROLL	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
3100 - LABOR - OPERATIONS	0.00	0.00	0.00	0.0%	104,278.40	815,197.00	-710,918.60	12.79%	104,278.40	815,197.00	-710,918.60	12.79%
3200 VEH & EQUIPMENT	0.00	0.00	0.00	0.0%	3,927.22	30,000.00	-26,072.78	13.09%	3,927.22	30,000.00	-26,072.78	13.09%
3201 - Vehicle/Equip Mice	0.00	0.00	0.00	0.0%	0.00	15,000.00	-15,000.00	0.0%	0.00	15,000.00	-15,000.00	0.0%
3202 - Fixed Capital	0.00	0.00	0.00	0.0%	231.44	5,000.00	-4,768.56	4.63%	231.44	5,000.00	-4,768.56	4.63%
3203 - Equipment Rental	0.00	0.00	0.00	0.0%	0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
3204 - Miscellaneous	0.00	0.00	0.00	0.0%	4,158.66	55,000.00	-50,841.34	7.56%	4,158.66	55,000.00	-50,841.34	7.56%
Total 3200 VEH & EQUIPMENT	0.00	0.00	0.00	0.0%	4,158.66	75,000.00	-70,841.34	12.79%	4,158.66	75,000.00	-70,841.34	12.79%
3300 - CONTRACT LABOR	0.00	0.00	0.00	0.0%	1,808.00	20,000.00	-18,192.00	9.04%	1,808.00	20,000.00	-18,192.00	9.04%
3301 - Conduit, Meter, Valve & Misc	0.00	0.00	0.00	0.0%	100.00	20,000.00	-19,900.00	0.5%	100.00	20,000.00	-19,900.00	0.5%
3302 - Buildings & Roads	0.00	0.00	0.00	0.0%	0.00	30,000.00	-30,000.00	0.0%	0.00	30,000.00	-30,000.00	0.0%
3303 - Reservoirs	0.00	0.00	0.00	0.0%	0.00	25,000.00	-25,000.00	0.0%	0.00	25,000.00	-25,000.00	0.0%
3304 - Engineering, Misc Services	0.00	0.00	0.00	0.0%	1,908.00	95,000.00	-93,092.00	2.01%	1,908.00	95,000.00	-93,092.00	2.01%
Total 3300 - CONTRACT LABOR	0.00	0.00	0.00	0.0%	1,908.00	95,000.00	-93,092.00	2.01%	1,908.00	95,000.00	-93,092.00	2.01%
3400 - MATERIALS & SUPPLIES	0.00	0.00	0.00	0.0%	0.00	65,000.00	-65,000.00	0.0%	0.00	65,000.00	-65,000.00	0.0%
3401 - Conduit, Meter, Valve & Misc	0.00	0.00	0.00	0.0%	318.88	15,000.00	-14,681.12	2.13%	318.88	15,000.00	-14,681.12	2.13%
3402 - Buildings & Roads	0.00	0.00	0.00	0.0%	0.00	10,000.00	-10,000.00	0.0%	0.00	10,000.00	-10,000.00	0.0%
3403 - Reservoirs	0.00	0.00	0.00	0.0%	318.88	90,000.00	-89,681.12	0.35%	318.88	90,000.00	-89,681.12	0.35%
Total 3400 - MATERIALS & SUPPLIES	0.00	0.00	0.00	0.0%	318.88	90,000.00	-89,681.12	0.35%	318.88	90,000.00	-89,681.12	0.35%
3500 - OTHER EXPENSES	0.00	0.00	0.00	0.0%	1,327.62	7,000.00	-5,672.38	18.97%	1,327.62	7,000.00	-5,672.38	18.97%
3501 - Utilities	0.00	0.00	0.00	0.0%	0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
3502 - Uniforms	0.00	0.00	0.00	0.0%	2,915.83	18,000.00	-15,084.17	16.2%	2,915.83	18,000.00	-15,084.17	16.2%
3503 - Communications	0.00	0.00	0.00	0.0%	339.00	4,000.00	-3,661.00	8.48%	339.00	4,000.00	-3,661.00	8.48%
3504 - USA & Other Services	0.00	0.00	0.00	0.0%	1,094.73	8,000.00	-6,905.27	13.68%	1,094.73	8,000.00	-6,905.27	13.68%
3505 - Miscellaneous	0.00	0.00	0.00	0.0%	0.00	3,000.00	-3,000.00	0.0%	0.00	3,000.00	-3,000.00	0.0%
3506 - Training	0.00	0.00	0.00	0.0%	5,677.18	45,000.00	-39,322.82	12.62%	5,677.18	45,000.00	-39,322.82	12.62%
Total 3500 - OTHER EXPENSES	0.00	0.00	0.00	0.0%	5,677.18	45,000.00	-39,322.82	12.62%	5,677.18	45,000.00	-39,322.82	12.62%

comb2
Statement of Revenues and Expenditures
Budget vs. Actuals July 2015 - Jun 2016

	Fisheries				Operations				TOTAL			
	Jul - Aug 15	Budget	\$ Over Budget	% of Budget	Jul - Aug 15	Budget	\$ Over Budget	% of Budget	Jul - Aug 15	Budget	\$ Over Budget	% of Budget
4100 - LABOR - FISHERIES												
4101 - Senior Resource Scientist	19,583.54	104,339.00	-84,755.46	18.77%	0.00				19,583.54	104,339.00	-84,755.46	18.77%
4102 - Project Biologist	21,026.26	96,169.00	-75,142.74	21.86%	0.00				21,026.26	96,169.00	-75,142.74	21.86%
4103 - Biologist	17,725.48	82,701.00	-64,975.52	21.43%	0.00				17,725.48	82,701.00	-64,975.52	21.43%
4114 - Seasonal Aide - JG	0.00	13,750.00	-13,750.00	0.0%	0.00				0.00	13,750.00	-13,750.00	0.0%
4116 - Seasonal Aide - DR	3,135.01	13,750.00	-10,614.99	22.8%	0.00				3,135.01	13,750.00	-10,614.99	22.8%
4117 - Seasonal Aide - BJ	0.00	13,750.00	-13,750.00	0.0%	0.00				0.00	13,750.00	-13,750.00	0.0%
4118 - Seasonal Aide - NS	3,430.90	13,750.00	-10,319.10	24.95%	0.00				3,430.90	13,750.00	-10,319.10	24.95%
4119 - Seasonal Aide - MW	2,945.00	13,750.00	-10,805.00	21.42%	0.00				2,945.00	13,750.00	-10,805.00	21.42%
4120 - Seasonal Aide - DH	3,281.25	13,750.00	-10,468.75	23.86%	0.00				3,281.25	13,750.00	-10,468.75	23.86%
4150 - FD Health & WC	16,781.41	96,854.00	-80,072.59	17.33%	0.00				16,781.41	96,854.00	-80,072.59	17.33%
4151 - FD PERS	12,064.72	59,454.00	-47,389.28	20.29%	0.00				12,064.72	59,454.00	-47,389.28	20.29%
4152 - FD Co FICA	4,768.09	22,674.00	-17,905.91	21.03%	0.00				4,768.09	22,674.00	-17,905.91	21.03%
4153 - FD Co Medicare	1,115.11	5,303.00	-4,187.89	21.03%	0.00				1,115.11	5,303.00	-4,187.89	21.03%
Total 4100 - LABOR - FISHERIES	105,886.77	549,994.00	-444,137.23	19.25%	0.00				105,886.77	549,994.00	-444,137.23	19.25%
4200 - VEHICLES & EQUIP - FISHERIES												
4270 - Vehicle/Equip Mctce	3,008.33	13,000.00	-9,991.67	23.14%	0.00				3,008.33	13,000.00	-9,991.67	23.14%
4280 - Fixed Capital	0.00	15,000.00	-15,000.00	0.0%	0.00				0.00	15,000.00	-15,000.00	0.0%
4290 - Miscellaneous	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%
Total 4200 - VEHICLES & EQUIP - FISHERIES	3,008.33	30,500.00	-27,491.67	9.86%	0.00				3,008.33	30,500.00	-27,491.67	9.86%
4220 - CONTRACT LABOR - FISHERIES												
4221 - Meters & Valves	0.00	3,000.00	-3,000.00	0.0%	0.00				0.00	3,000.00	-3,000.00	0.0%
4222 - Fish Projects Maintenance	0.00	40,000.00	-40,000.00	0.0%	0.00				0.00	40,000.00	-40,000.00	0.0%
Total 4220 - CONTRACT LABOR - FISHERIES	0.00	43,000.00	-43,000.00	0.0%	0.00				0.00	43,000.00	-43,000.00	0.0%
4300 - MATERIALS/SUPPLIES - FISHERIES												
4390 - Miscellaneous	230.63	7,000.00	-6,769.37	3.3%	0.00				230.63	7,000.00	-6,769.37	3.3%
Total 4300 - MATERIALS/SUPPLIES - FISHERIES	230.63	7,000.00	-6,769.37	3.3%	0.00				230.63	7,000.00	-6,769.37	3.3%
4500 - OTHER EXPENSES - FISHERIES												
4502 - Uniforms	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%
Total 4500 - OTHER EXPENSES - FISHERIES	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%
4999 - GENERAL & ADMINISTRATIVE												
5000 - Director Fees												
5001 - Director Mileage	0.00	2,000.00	-1,871.67	6.42%	128.33	2,000.00	-1,871.67	6.42%	128.33	2,000.00	-1,871.67	6.42%
5000 - Director Fees - Other	0.00	11,000.00	-9,668.80	12.1%	1,331.20	11,000.00	-9,668.80	12.1%	1,331.20	11,000.00	-9,668.80	12.1%
Total 5000 - Director Fees	0.00	13,000.00	-11,540.47	11.23%	1,459.53	13,000.00	-11,540.47	11.23%	1,459.53	13,000.00	-11,540.47	11.23%
5100 - Legal	0.00	100,000.00	-100,000.00	0.0%	0.00	100,000.00	-100,000.00	0.0%	0.00	100,000.00	-100,000.00	0.0%
5101-1 - Audit	0.00	20,000.00	-20,000.00	0.0%	0.00	20,000.00	-20,000.00	0.0%	0.00	20,000.00	-20,000.00	0.0%
5150 - Unemployment Tax	0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
5200 - Liability Insurance	0.00	42,705.00	-2,207.40	94.83%	40,497.60	42,705.00	-2,207.40	94.83%	40,497.60	42,705.00	-2,207.40	94.83%
5201 - Health & Workers Comp	0.00	180,093.00	-144,466.82	19.78%	35,626.18	180,093.00	-144,466.82	19.78%	35,626.18	180,093.00	-144,466.82	19.78%
5250 - PERS	0.00	58,420.00	-48,661.38	16.7%	9,758.62	58,420.00	-48,661.38	16.7%	9,758.62	58,420.00	-48,661.38	16.7%
5260 - Company FICA Admin	0.00	20,754.00	-17,143.47	17.4%	3,610.53	20,754.00	-17,143.47	17.4%	3,610.53	20,754.00	-17,143.47	17.4%

comb2
Statement of Revenues and Expenditures
Budget vs. Actuals July 2015 - Jun 2016

	Fisheries				Operations				TOTAL			
	Jul - Aug 15	Budget	\$ Over Budget	% of Budget	Jul - Aug 15	Budget	\$ Over Budget	% of Budget	Jul - Aug 15	Budget	\$ Over Budget	% of Budget
5265 - Company MCARE Admin	0.00				943.23	4,854.00	-3,910.77	19.43%	943.23	4,854.00	-3,910.77	19.43%
5300 - Manager Salary	0.00				22,802.10	117,000.00	-94,197.90	19.49%	22,802.10	117,000.00	-94,197.90	19.49%
5301 - Administrative Manager	0.00				17,289.10	87,750.00	-70,460.90	19.7%	17,289.10	87,750.00	-70,460.90	19.7%
5303 - Admin Assistant I	0.00				8,523.70	42,250.00	-33,726.30	20.17%	8,523.70	42,250.00	-33,726.30	20.17%
5306 - Administrative Assistant III	0.00				9,742.08	45,500.00	-35,757.92	21.41%	9,742.08	45,500.00	-35,757.92	21.41%
5310 - Postage/Office Exp	0.00				1,135.28	8,000.00	-6,864.72	14.19%	1,135.28	8,000.00	-6,864.72	14.19%
5311 - Office Equip/Leases	0.00				1,210.21	8,000.00	-6,789.79	15.13%	1,210.21	8,000.00	-6,789.79	15.13%
5312 - Misc Admin Expenses	0.00				843.24	10,790.00	-9,946.76	7.82%	843.24	10,790.00	-9,946.76	7.82%
5313 - Communications	0.00				1,386.22	8,500.00	-7,113.78	16.31%	1,386.22	8,500.00	-7,113.78	16.31%
5314 - Utilities	0.00				2,857.29	9,737.00	-6,879.71	29.35%	2,857.29	9,737.00	-6,879.71	29.35%
5315 - Membership Dues	0.00				0.00	8,000.00	-8,000.00	0.0%	0.00	8,000.00	-8,000.00	0.0%
5316 - Admin Fixed Assets	0.00				0.00	4,000.00	-4,000.00	0.0%	0.00	4,000.00	-4,000.00	0.0%
5318 - Computer Consultant	0.00				3,642.66	15,000.00	-11,357.34	24.28%	3,642.66	15,000.00	-11,357.34	24.28%
5325 - Emp Training/Subscriptions	0.00				0.00	2,000.00	-2,000.00	0.0%	0.00	2,000.00	-2,000.00	0.0%
5330 - Admin Travel/Conferences	0.00				142.05	2,000.00	-1,857.95	7.1%	142.05	2,000.00	-1,857.95	7.1%
5331 - Public Information	0.00				148.16	1,000.00	-851.84	14.82%	148.16	1,000.00	-851.84	14.82%
5352 - Program Analyst	0.00				0.00	42,250.00	-42,250.00	0.0%	0.00	42,250.00	-42,250.00	0.0%
Total 4999 - GENERAL & ADMINISTRATIVE	0.00				161,617.78	856,603.00	-694,985.22	18.87%	161,617.78	856,603.00	-694,985.22	18.87%
5400 - GENERAL & ADMIN - FISHERIES												
5401 - Health & Workers Comp.	5,956.89	44,184.00	-38,227.11	13.48%	0.00				5,956.89	44,184.00	-38,227.11	13.48%
5402 - CalPERS	5,254.63	31,457.00	-26,202.37	16.7%	0.00				5,254.63	31,457.00	-26,202.37	16.7%
5403 - Company Fica	1,553.77	11,175.00	-9,621.23	13.9%	0.00				1,553.77	11,175.00	-9,621.23	13.9%
5405 - GM Salary	12,278.04	63,000.00	-50,721.96	19.49%	0.00				12,278.04	63,000.00	-50,721.96	19.49%
5406 - Company MCare	416.53	2,614.00	-2,197.47	15.94%	0.00				416.53	2,614.00	-2,197.47	15.94%
5407 - Legal - FD	0.00	25,000.00	-25,000.00	0.0%	0.00				0.00	25,000.00	-25,000.00	0.0%
5408 - Administrative Manager	9,309.51	47,250.00	-37,940.49	19.7%	0.00				9,309.51	47,250.00	-37,940.49	19.7%
5409 - Administrative Assistant III	5,245.74	24,500.00	-19,254.26	21.41%	0.00				5,245.74	24,500.00	-19,254.26	21.41%
5410 - Postage / Office Supplies	523.98	3,000.00	-2,476.02	17.47%	0.00				523.98	3,000.00	-2,476.02	17.47%
5411 - Office Equipment / Leases	651.62	5,218.00	-4,566.38	12.49%	0.00				651.62	5,218.00	-4,566.38	12.49%
5412 - Misc. Admin Expense	577.07	5,810.00	-5,232.93	9.93%	0.00				577.07	5,810.00	-5,232.93	9.93%
5413 - Communications	839.82	4,305.00	-3,465.18	19.51%	0.00				839.82	4,305.00	-3,465.18	19.51%
5414 - Utilities	1,538.53	5,243.00	-3,704.47	29.34%	0.00				1,538.53	5,243.00	-3,704.47	29.34%
5415 - Membership Dues	0.00	4,000.00	-4,000.00	0.0%	0.00				0.00	4,000.00	-4,000.00	0.0%
5416 - Admin Fixed Assets	0.00	4,000.00	-4,000.00	0.0%	0.00				0.00	4,000.00	-4,000.00	0.0%
5418 - Computer Consultant	1,961.43	5,000.00	-3,038.57	39.23%	0.00				1,961.43	5,000.00	-3,038.57	39.23%
5425 - Employee Education/Subscription	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%
5426 - Director Fees	716.80	6,000.00	-5,283.20	11.95%	0.00				716.80	6,000.00	-5,283.20	11.95%
5427 - Director Mileage	69.10	1,000.00	-930.90	6.91%	0.00				69.10	1,000.00	-930.90	6.91%
5430 - Travel	76.49	2,500.00	-2,423.51	3.06%	0.00				76.49	2,500.00	-2,423.51	3.06%
5431 - Public Information	79.78	1,500.00	-1,420.22	5.32%	0.00				79.78	1,500.00	-1,420.22	5.32%
5441 - Audit	0.00	6,300.00	-6,300.00	0.0%	0.00				0.00	6,300.00	-6,300.00	0.0%
5443 - Liab & Property Ins	21,806.40	21,595.00	211.40	100.98%	0.00				21,806.40	21,595.00	211.40	100.98%
5451 - Admin Assistant I	4,589.68	22,750.00	-18,160.32	20.17%	0.00				4,589.68	22,750.00	-18,160.32	20.17%
5452 - Program Analyst	0.00	22,750.00	-22,750.00	0.0%	0.00				0.00	22,750.00	-22,750.00	0.0%
Total 5400 - GENERAL & ADMIN - FISHERIES	73,445.81	372,651.00	-299,205.19	19.71%	0.00				73,445.81	372,651.00	-299,205.19	19.71%
5510 - Integrated Reg. Water Mgt Plan	0.00				1,352.00	5,000.00	-3,648.00	27.04%	1,352.00	5,000.00	-3,648.00	27.04%

comb2
Statement of Revenues and Expenditures
Budget vs. Actuals July 2015 - Jun 2016

	Fisheries			Operations			TOTAL		
	Jul - Aug 15	Budget	% of Budget	Jul - Aug 15	Budget	% of Budget	Jul - Aug 15	Budget	% of Budget
6000 - SPECIAL PROJECTS									
6062 - SCADA	0.00			152.04	25,000.00	0.61%	152.04	25,000.00	0.61%
6090 - COMB Office Building	0.00			17.11	300,000.00	0.01%	17.11	300,000.00	0.01%
6096 - SCC Structure Rehabilitation	0.00			386.99	240,000.00	0.16%	386.99	240,000.00	0.16%
6097 - GIS and Mapping	0.00			1,150.00	10,000.00	11.5%	1,150.00	10,000.00	11.5%
6105 - ROW Management Program	0.00			11,393.25	20,000.00	56.97%	11,393.25	20,000.00	56.97%
6109 - NP Jet Flow Control Valve	0.00			874.80	0.00		874.80	0.00	100.0%
6111 - Mission Crk Pipe Temp Repair	0.00			0.00	50,000.00	0.0%	0.00	50,000.00	0.0%
6118 - Repair Lateral 3 Structure	0.00			0.00	20,000.00	0.0%	0.00	20,000.00	0.0%
6120 - Emergency Pumping Fac Project	0.00			178,448.58	2,709,250.00	6.59%	178,448.58	2,709,250.00	6.59%
6122 - Rehab San Antonio Crk Blow-off	0.00			0.00	10,000.00	0.0%	0.00	10,000.00	0.0%
6123 - Sheffield Tunnel Insp/Eval SCC	0.00			0.00	100,000.00	0.0%	0.00	100,000.00	0.0%
6124 - SP Slope Stabilization	0.00			0.00	50,000.00	0.0%	0.00	50,000.00	0.0%
6127 - Encroachment-Tree/Veg Overgrow	0.00			0.00	25,000.00	0.0%	0.00	25,000.00	0.0%
6128 - Lauro Tunnel Pipe Support Eval	0.00			0.00	30,000.00	0.0%	0.00	30,000.00	0.0%
6129 - Rehab SCC LR Lateral Structures	0.00			0.00	50,000.00	0.0%	0.00	50,000.00	0.0%
6130 - NP Slope Stabilization	0.00			0.00	50,000.00	0.0%	0.00	50,000.00	0.0%
Total 6000 - SPECIAL PROJECTS	0.00			192,422.77	3,689,250.00	5.22%	192,422.77	3,689,250.00	5.22%
6200 - FISHERIES ACTIVITIES									
6201 - FMP Implementation	3,686.41	100,000.00	3.69%	0.00			3,686.41	100,000.00	3.69%
6202 - GIS and Mapping	1,091.25	10,000.00	10.91%	0.00			1,091.25	10,000.00	10.91%
6203 - Grants Technical Support	0.00	10,000.00	0.0%	0.00			0.00	10,000.00	0.0%
6204 - SYR Hydrology Technical Support	0.00	10,000.00	0.0%	0.00			0.00	10,000.00	0.0%
6205 - USGS Stream Gauge Program	18,750.00	77,000.00	24.35%	0.00			18,750.00	77,000.00	24.35%
6206 - Tri County Fish Team Funding	0.00	5,000.00	0.0%	0.00			0.00	5,000.00	0.0%
6207 - Oak Tree Restoration Program	732.66	100,000.00	0.73%	0.00			732.66	100,000.00	0.73%
6209 - SYR Riverware Model Peer Review	0.00	0.00	0.0%	0.00			0.00	0.00	0.0%
6211 - SYR RiverWare Model Use	0.00	0.00	0.0%	0.00			0.00	0.00	0.0%
Total 6200 - FISHERIES ACTIVITIES	24,260.32	312,000.00	7.78%	0.00			24,260.32	312,000.00	7.78%
6300 - HABITAT ENHANCEMENT									
6303 - Tributary Projects Support	0.00	20,000.00	0.0%	0.00			0.00	20,000.00	0.0%
6312 - Quiota Creek Crossing 0 (a&b)	150.00	810,000.00	0.02%	0.00			150.00	810,000.00	0.02%
6313 - Quiota Creek Crossing 3	10,198.29	930,000.00	1.1%	0.00			10,198.29	930,000.00	1.1%
6314 - Quiota Creek Crossing 4	0.00	30,000.00	0.0%	0.00			0.00	30,000.00	0.0%
6315 - Quiota Creek Crossing 8	0.00	30,000.00	0.0%	0.00			0.00	30,000.00	0.0%
Total 6300 - HABITAT ENHANCEMENT	10,348.29	1,820,000.00	0.57%	0.00			10,348.29	1,820,000.00	0.57%
Total Expense	217,150.15	3,137,645.00	6.92%	471,733.73	5,651,050.00	8.35%	688,883.88	8,788,695.00	7.84%
Net Income	-147,967.15	0.00	100.0%	472,530.59	0.00	100.0%	324,563.44	0.00	100.0%

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

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September 03,
2015

CACHUMA OPERATION AND MAINTENANCE BOARD

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

PMIA Average Monthly Yields

Tran Type Definitions

August 2015 Statement

Effective Date	Transaction Date	Tran Type	Confirm Number	Authorized Caller	Amount
8/11/2015	8/10/2015	RW	1476403	JANET GINGRAS	-108,000.00

Account Summary

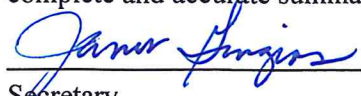
Total Deposit:	0.00	Beginning Balance:	1,139,873.57
Total Withdrawal:	-108,000.00	Ending Balance:	1,031,873.57

MEMO TO: Board of Directors
Cachuma Operation & Maintenance Board

FROM: Janet Gingras, Secretary

SUBJECT: COMB INVESTMENT POLICY

The above statement of investment activity for the month of August, 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.


Secretary



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

RECEIVED

000440

SEP 04 2015

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

CACHUMA O & M BOARD 30
0
0



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BUSINESS CHECKING ACCOUNT XXXXXXXXXXXX1530

MINIMUM BALANCE	10,215.61	LAST STATEMENT 07/31/15	10,215.61
AVG AVAILABLE BALANCE	10,215.61	CREDITS	.00
AVERAGE BALANCE	10,215.61	DEBITS	.00
		THIS STATEMENT 08/31/15	10,215.61

MEMO TO: Board of Directors
Cachuma Operation & Maintenance Board

FROM: Janet Gingras, Secretary

SUBJECT: COMB INVESTMENT POLICY

The above statement of investment activity for the month of August, 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.

Secretary



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

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SEP 04 2015

000442

CACHUMA O & M BOARD

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



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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
=====

=====
BUSINESS CHECKING ACCOUNT XXXXXXXXXXXX1543
=====

MINIMUM BALANCE	327,671.52	LAST STATEMENT 07/31/15	327,671.52
AVG AVAILABLE BALANCE	327,671.52	CREDITS	.00
AVERAGE BALANCE	327,671.52	DEBITS	.00
		THIS STATEMENT 08/31/15	327,671.52

MEMO TO: Board of Directors
Cachuma Operation & Maintenance Board

FROM: Janet Gingras, Secretary

SUBJECT: COMB INVESTMENT POLICY

The above statement of investment activity for the month of August, 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.

Secretary

comb2
Paid Claims
As of August 31, 2015

Date	Num	Name	Memo	Amount
1050 - GENERAL FUND				
08/06/2015	23869	All Around Landscape Supply	Hose washer/filter-Lauro yard mtce (Ops Div)	-17.11
08/06/2015	23870	Aqua-Flo Supply	Couplings-AVAR drain repair (Ops Div)	-22.56
08/06/2015	23871	Association of Ca Water Agencies/JPIA	Sep Health Benefits coverage	-20,739.52
08/06/2015	23872	AT&T	Jul charges	-557.71
08/06/2015	23873	Bartlett, Pringle & Wolf, LLP	Accounting consulting-UF/constructive return	-2,147.00
08/06/2015	23874	CIO Solutions, LP	Phone system-ShoreTel trouble-shoot	-175.00
08/06/2015	23875	City of Santa-Barbara	Trash/Recycle-Jul 2015	-216.17
08/06/2015	23876	County of SB-P.W. Water Agency	Prop 84 MOU Cost share	-1,352.00
08/06/2015	23877	ECHO Communications	Monthly answering service	-62.00
08/06/2015	23878	GE Capital	Copier lease agmt	-133.92
08/06/2015	23879	Harwood White	Jul mtg fees	-132.77
08/06/2015	23880	Home Depot Credit Services	Equip mtce-refuel power line/tune up kit (Ops Div)	-100.39
08/06/2015	23881	Kevin D. Walsh	Jul mtg fees	-160.61
08/06/2015	23882	Lauren W. Hanson	Jul mtg fees	-133.75
08/06/2015	23883	MarBorg Industries	Portable toilets-outlying stations	-328.37
08/06/2015	23884	Milpas Rental	Saw rental (Ops Div)	-96.47
08/06/2015	23885	Nestle Pure Life Direct	5 gal disp. for Ops crew (part of PPE criteria)	-59.10
08/06/2015	23886	O'Reilly Automotive, Inc.	Stop/tail light (Fish Div)	-3.88
08/06/2015	23887	Paychex, Inc.	Jul payrolls/taxes/deliveries	-518.00
08/06/2015	23888	Polly Holcombe	Jul mtg fees	-136.14
08/06/2015	23889	Praxair Distribution, Inc	Cylinder rental (acetylene for welder)	-66.38
08/06/2015	23890	Prudential Overall Supply	Mats/scrapers-Jul	-100.56
08/06/2015	23891	Southern California Edison	Main office/outlying stations	-1,798.66
08/06/2015	23892	Staples Contract and Commercial, Inc.	Office supplies	-493.00
08/06/2015	23893	Tim Robinson	Reimb-ESRI conference meals/parking/mileage	-841.25
08/06/2015	23894	Tri-Co Reprographics	Copy/print design plans for SB County-QC Xng 3 (Fish Div)	-48.08
08/06/2015	23895	Underground Service Alert of So. Calif.	88 Ticket charges	-132.00
08/06/2015	23896	United States Geological Survey	3rd Qtr Stream Gauge billing	-18,750.00
08/06/2015	23897	Verizon California	Main office/outlying stations	-508.86
08/06/2015	23898	W. Douglas Morgan	Jul mtg fees	-133.75
08/06/2015	23899	Wright Express Fleet Services	Fleet fuel	-1,926.25
08/06/2015	23900	Perry Ford	2015 Ford F-150 4WD SuperCab (FY14/15 Fish Div)	-30,227.15
08/06/2015	23901	Coastal Copy, LP	Copier mtce agmt	-14.13
08/06/2015	23902	MapLogic Corporation	MapLogic Layout Mgr Annual Mtce-2 yr (GIS both Div)	-500.00
08/10/2015	23903	County of Santa--Barbara	Dump run from Lauro (Ops Div)	-4.00
08/10/2015	23904	Cox Communications	Business internet-Aug	-195.00
08/10/2015	23905	Culligan of Sylmar	Monthly RO system-Aug	-24.95
08/10/2015	23906	Harrison Hardware	Cable ties/cloth shade/hose hardware/seal tape/rope/ water quality instrument mat-supplies (Oak tree program and Fish Div)	-215.50
08/10/2015	23907	J&C Services	Ofc cleaning services-Jul	-600.00
08/10/2015	23908	Select Staffing	Admin Assistant I position	-1,587.74
08/10/2015	23909	Staples Contract and Commercial, Inc.	Office supplies	-20.50
08/13/2015	23910	Southern California Edison	Outlying stations	-51.51
08/13/2015	23911	Verizon California	SCADA	-522.14
08/13/2015	23912	Verizon Wireless	Cellular/USB's/modems	-688.51
08/14/2015	23913	Ian's Tire & Auto Repair	03 Ford F-150 tires	-358.45
08/14/2015	23914	Southern California Edison	Outlying stations	-28.31
08/14/2015	23915	The Bank of Santa Barbara	Loan interest pymt #13-Aug	-6,720.06
08/24/2015	23916	Coastal Copy, LP	Copier mtce agmt	-128.84
08/24/2015	23917	Orchard Business/SYNCB	Materials for temp units (Fish Div)	-19.58
08/24/2015	23918	PG&E	Tecolote Tunnel/North Portal electricity	-370.07
08/24/2015	23919	Cramer Fish Sciences	Steelhead trapping analysis (Fish Div)	-28,916.00

comb2
Paid Claims
 As of August 31, 2015

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
08/24/2015	23920	Cushman Contracting Corp.	Emerg Pumping System: Pay Req#15-Phase II	-70,600.00
08/24/2015	23921	HDR Engineering, Inc.	Jet flow spool design-Jul/EPFP Eng (Ops Div)	-4,287.70
08/24/2015	23922	Lash Construction, Inc.	Base-Lauro yard (Ops Div)	-117.76
08/24/2015	23923	Musick, Peeler & Garrett LLP	General Counsel-Jun	-14,758.45
08/24/2015	23924	Rauch Communication Consultants, Inc	Website mtce	-37.50
08/24/2015	23925	Santa Ynez River Water Cons. Dist. ID#1	Stetson-BO/FMP/Hydrologic-Jun; Hanson-FMP/AMC 2012 annual report-Jun/Jul	-3,219.31
08/24/2015	23926	Turenchalk Network Services, Inc.	Microsoft Office license-ShoreTel backup server/IT support services-Jul	-3,998.09
08/25/2015	23927	Business Card	Website domain name renewal/transfer kit-LaserJet	-629.73
08/26/2015	23928	Superior Brake & Alignment	Fork control/axle shift repair/oil '03 Ford F-150	-579.13
08/27/2015	23929	Select Staffing	Admin Assistant I position	-1,663.77
08/31/2015	23930	County of S.B.-P.W. Trans	Quiota Crk Xng #3 Permit #D0190037-Balance due	-10,000.00
08/31/2015	23931	Instrument & Valve Services Company	Meter calibration-NP/Lauro/Sheffield/Ortega (Ops Div)	-1,808.00
08/31/2015	23932	Select Staffing	Admin Assistant I position	-2,992.11
08/31/2015	23933	Tri County Auto Glass	Left front window repair Chev 3500HD (Ops Div)	-178.20
Total 1050 · GENERAL FUND				<u>-237,953.45</u>
TOTAL				<u>-237,953.45</u>

APPROVED FOR PAYMENT

 Director

 Director

 Director

FINANCE COMMITTEE

comb2
Pending Claims for Payment
As of September 24, 2015

CLAIMS AUGUST 1 - SEPTEMBER 24, 2015

<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Memo</u>	<u>Due Date</u>	<u>Amount Due</u>
Bob Murray & Associates					
Bill	09/16/2015	6418	Kickoff mtg-GM Recruitment	10/16/2015	1,500.00
Total Bob Murray & Associates					<u>1,500.00</u>
Bureau of Reclamation					
Bill	08/10/2015	1801232533	8th Annual Installment-Lauro SOD Act	10/09/2015	32,088.00
Bill	08/10/2015	1801065572	14th Annual Installment-Bradbury Dam SOD Act	10/09/2015	164,869.70
Total Bureau of Reclamation					<u>196,957.70</u>
Cardno, Inc.					
Bill	08/28/2015	171674	BO Compliance/Fish monitoring reports-Jul	09/27/2015	1,193.03
Bill	09/08/2015	172399	BO Compliance & Support-Aug	10/08/2015	520.67
Total Cardno, Inc.					<u>1,713.70</u>
HDR Engineering, Inc.					
Bill	08/27/2015	456174-H	EPFP Engineering services-Aug	09/26/2015	6,300.24
Total HDR Engineering, Inc.					<u>6,300.24</u>
Kenneth A. Knight, Consulting					
Bill	08/07/2015	75	Consulting Arborist-Oak Tree program-Jul	09/06/2015	550.00
Total Kenneth A. Knight, Consulting					<u>550.00</u>
Musick, Peeler & Garrett LLP					
Bill	06/30/2015	285523	CalTrout General Counsel-Jun services	07/30/2015	2,502.50
Bill	09/08/2015	285523	CalTrout General Counsel-Jul services	10/08/2015	22,825.00
Bill	09/16/2015	286229	General Counsel-Jul services	10/16/2015	7,823.85
Bill	09/23/2015	286444	General Counsel-Aug services	10/23/2015	4,888.08
Bill	09/24/2015	286461	CalTrout General Counsel-Aug services	10/24/2015	11,797.50
Total Musick, Peeler & Garrett LLP					<u>49,836.93</u>
Santa Ynez River Water Cons. Dist. ID#1					
Bill	09/18/2015	1815-09Stetson	Stetson-BO/FMP/monitoring reports/hydrologic supp-Jul	10/18/2015	4,078.87
Total Santa Ynez River Water Cons. Dist. ID#1					<u>4,078.87</u>
Turenchalk Network Services, Inc.					
Bill	08/03/2015	17085	IT Support services-Jul	08/23/2015	1,071.00
Bill	08/03/2015	17069	Temporary ShadowProtect (backup) licenses-servers	08/23/2015	360.00
Bill	09/08/2015	17189	IT services-Aug	09/28/2015	1,631.00
Total Turenchalk Network Services, Inc.					<u>3,062.00</u>
TOTAL				TOTAL CLAIMS PENDING PAYMENT	<u>\$ 263,999.44</u>

APPROVED FOR PAYMENT

_____ Director
 _____ Director
 _____ Director

FINANCE COMMITTEE

CACHUMA OPERATION & MAINTENANCE BOARD

Operations Committee Meeting

3301 Laurel Canyon Road
Santa Barbara, CA 93105

Friday, September 18, 2015
11:00 a.m.

AGENDA

1. Call to Order
2. Public Comment (Public may address the Committee on any subject matter not on the agenda and within the Committee's jurisdiction)
3. Emergency Pumping Facilities Project (EPFP) Status
 - a. Cushman Contracting Outstanding Issues
 - b. Barge Relocation
4. Mission Creek Temporary Repair – Emergency Project Update
5. HDR Engineering – Spool Design Update
6. Status Report on Infrastructure Improvement Plan Projects
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

Fisheries Committee Meeting

3301 Laurel Canyon Road
Santa Barbara, CA 93105

Tuesday, September 22, 2015
2:00 PM

AGENDA

1. Call to Order
2. Public Comment (Public may address the Committee on any subject matter not on the agenda and within the Committee's jurisdiction)
3. Biological Opinion Compliance – Annual Reporting Status
4. Non-Disclosure Agreement – Data Sharing
5. Status Report on Tributary Projects
 - a. Quiota Creek Crossing 3
 - b. Quiota Creek Crossing 0 a& b
 - c. Quiota Creek Crossing 8
 - d. Quiota Creek Crossing 4
6. Review of the USBR Nexus to Restoration Projects and Draft Request Letter for Reinstatement of Projects as Proposed Actions
7. Discussion of the 2001 Fish MOU
8. Adjournment

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

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	September 28, 2015
Submitted by:	Janet Gingras

SUBJECT: Cushman Contracting Corporation – Outstanding Claims Summary

SUMMARY:

Staff met with Cushman Contracting on August 20, 2015 to discuss a possible resolve to three outstanding claims related to the contract agreement for the Emergency Pumping Facilities Project. The meeting was very cordial and both parties listened attentively to respective positions. Staff explained the contract agreement could be interpreted with confusion in some areas and expressed an interest to negotiate a reasonable compromise on the outstanding issues. Cushman Contracting agreed to evaluate our stated position and subsequently responded with the claims summarized below.

Access Road:

During the weekly construction coordination meetings held prior to the construction of the project, it was determined by Cushman Contracting that the access road to the staging yard would need to be covered with a base of gravel so that construction trucks could access the staging area without getting stuck in powdery silt. COMB offered to obtain the appropriate environmental permits for placing gravel on a portion of the access road. Due to an unexpected delay in obtaining the permits, and the subsequent requirement to obtain an alteration permit, the access road was maintained by Cushman Contracting for approximately three months until the time the permits were acquired by COMB. Subsequent to acquiring the permit authorization, change order no. 7 was issued for installation of the gravel for the all-weather access road.

Cushman is presenting a claim for costs of \$350 per day (for approx. 3 months) to maintain the all-weather access road. The claim for \$29,400 is confined to actual costs only and does not include overhead markup charges.

Delay in Payment of Phase Two 5% Retention Funds:

Article 6 of the Emergency Pumping Facilities Project contract agreement states *“Payment of the five Percent (5%) retained during the construction phase of Phase Two shall be made following the satisfactory completion of construction and upon the successful commencement of the operation and maintenance of the Project”*.

Substantial completion of Phase Two construction on the project occurred on August 19, 2014. The retention payment affiliated with the Phase Two construction of the project totaled \$96,826. Due to the prospective that the pumping project had not been placed in operational mode at the conclusion of Phase Two construction, the release of the Phase Two retention was withheld for six months. (See attached Cushman letter dated March 10, 2015) The retention was subsequently released and paid on March 25, 2015. The claim is issued by Cushman as a loss of use of funds calculated at 1.5% interest (per month) on the outstanding retention amount for a six month period totaling \$8,714.

Payment of Operational Costs:

Page five of the contract agreement for construction of the pumping barge system specifies (in part):

- 12a. Monthly Operations, on and after March 19, 2015 (initial site) \$98,000/mo.
- 13. Monthly Operational Standby (alternative to 12a if Project idled at COMB direction) \$51,000/mo.

Subsequent to March 19, 2015, COMB remitted two monthly operational payments (#11 & #12) to Cushman Contracting for March and April services (\$98,000 each). In June, once it was realized an over-payment had been made, a COMB letter was issued to Cushman which indicated an error was made in two previous months' payments and a credit was requested. The May and June invoices (#13 & #14) from Cushman were short-paid at the standby (idle) rate of \$51,000 per month.

In a response letter dated July 16, 2015, Cushman Contracting has noted their disagreement with COMB's perspective. Cushman indicated COMB never directed them to idle the project (they accepted the June 26th letter as standby notification) and that operations were performed March through June under the impression that the barge was in full operational mode through their modifications to gate five. The total of this claim is \$94,000.

FISCAL IMPACTS:

All claims total \$132,114. The FY 2014-15 adopted budget contained funding for the EPFP.

LEGAL CONCURRENCE:

N/A

ENVIRONMENTAL COMPLIANCE:

N/A

COMMITTEE STATUS:

The Operations Committee reviewed the claims and recommended submitting the outstanding claims by Cushman Contracting to the Board for payment.

RECOMMENDATION:

The Board authorize the payment of Cushman Contracting outstanding claims for an amount not-to-exceed \$132,114.

LIST OF EXHIBITS:

- 1) Cushman Contracting Corp. Outstanding Claim Summary
- 2) Cushman Contracting Corp. March 10, 2015 Letter

CUSHMAN CONTRACTING CORPORATION
GENERAL ENGINEERING CONSTRUCTION
P.O. Box 147, Goleta, California 93116

August 24, 2015

COMB
3301 Laurel Canyon Rd.
Santa Barbara, CA 93105-2017

RECEIVED

SEP 04 2015

CACHUMA O & M BOARD

Attn: Ms. Janet Gingras
Ref: Emergency Pumping System (Lake Cachuma)
Subject: Outstanding Claim Summary

Janet,

It was a pleasure to meet with yourself and Dave on Thursday August 20, 2015. Per your request, we have put together a summary of the three outstanding claim issues in chronological order.

1. Access road maintenance cost due to COMB inability to procure permits for all weather access road.
Cost \$29,400

-July 31, 2014 Weekly construction coordination meeting (attached) states need and action required by COMB to obtain permits for access road.

-CCC Letter dated 10/16/2014 (attached) outlining cost to maintain road and the continued need to establish an all weather access road.

-CCC Letter Dated 3/12/15 (attached) requesting change order for cost only (no mark up) to maintain access road for 7 months.
2. Retention Release Cost \$8,714

-CCC Letter dated 3/10/2015 (attached)
3. Partial Payment of Invoices 13 & 14. Amount withheld \$94,000.

-CCC Letter Dated 7/16/15 (attached)

Ref: Emergency Pumping System (Lake Cachuma)
Subject: Outstanding Claim Summary
Page 2

There are a few facts that both COMB and CCC concur on.

- Fact: The pump station was operational August 15, 2014 and was report as such by the COMB General Manager to the COMB Board (see board meeting minutes dated 10/27/14) and to the public via quotes to the SB News Press dated 11/18/14.
- Fact: COMB never provided CCC with a written direction to idle the pump station as required by the contract.
- Fact: COMB operationally utilized the pump station via the Draft Gate 5 dual flow box which CCC designed, installed and has maintained. This feature of the pump station has saved COMB hundreds of thousands of dollars in electric bills.

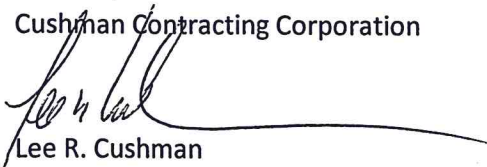
Discussion:

COMB has requested CCC to compromise on a rate somewhere between the Operational rate of \$98,000 and the Standby rate of \$51,000, for Invoice's 13 and 14. This request is based on COMB's perception of what you think our cost are. We appreciate your offer to bring this issue to a close, but must respectfully decline.

CCC took the risk at bid time to estimate the operational costs and although it may appear to COMB that we are making too much money during these past two months we still have considerable risk operating and maintaining the pump station in the fall, winter and spring months ahead. If COMB and CCC hypothetically agreed to a lower Operational rate for the past months then we would have to be allowed to negotiate higher rates in future months when our costs are higher. This would create an endless cycle of negotiations and therefore we believe it is in the best interest of both parties to stay with the bid rates.

We would appreciate your response at your earliest convenience.

Sincerely,
Cushman Contracting Corporation



Lee R. Cushman

CLAIM
-Exhibit 2-
INTEREST ON RETENTION

CUSHMAN CONTRACTING CORPORATION
P.O. Box 147 Goleta, CA 93116

March 10, 2015

Attn: Mr. Dan Ellison
HDR Inc
701 E Santa Clara Street, suite 36
Ventura, Ca 93001
Via e-mail and Hard Copy

Re: Lake Cachuma Emergency Pumping Facility
Subject: Wrongful withholding of retention Claim

Mr. Ellison,

Six months ago today (8/19/14), Cushman Contracting Corporation (CCC) notified Cachuma Operation and Maintenance Board (COMB) by letter that testing has been completed on the Lake Cachuma Emergency Pumping Facility as of 8/15/14 and that the Construction portion of Phase 2 had been completed and that operation and maintenance of the facility had commenced. Attached to the letter was an e-mail from the Engineer of Record confirming that the Pump Station was operational and performing as designed. To this day we continue to perform operational and daily maintenance on the system.

By the General Manager Report dated 10/27/14 Mr. Ward stated "The pumping system is operational..." (see attached, underlined), this fact has been conveyed to and reported by the local media (see attached, underlined). The only reason we are not in full-operation pumping mode today is a result of the level of the lake not being what was expected and proposed to us previously. We are in fact running the pumps intermittingly to exercise them and it is a fact that COMB is utilizing our facilities at Gate #5 to provide water to the South Coast.

Beginning with our Payment Request #4 for the period ending in August, 2014 we requested the release of all retention on this project per the terms of the Contract. As COMB has steadfastly denied this request claiming that the operation and performance has not commenced, and in such that this is a matter that substantially affects our compensation on this project, we hereby issue this Notice of Claim pursuant to Section 78, and request a review of the COMB decision.

-Exhibit 2-

Our claim is for 1-1/2% interest per month on the outstanding amount of retention not released (\$ 96,826) beginning on the date it was to become due (9/22/14) and continuing on until such time as paid along with accumulated interest.

$$9/22/14 - \text{and } 3/25/14 = 6 \quad (96,826 \times 1.5\%) = \$8,714$$

Sincerely,

CUSHMAN CONTRACTING CORPORATION



Neil Cushman

Owner

Attachments: COMB GM Report Dated 10/27/14

SB News Press reports

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	September 28, 2015
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

SUBJECT: Reclamation Nexus to Restoration Projects and Draft Letter from COMB to NMFS

SUMMARY:

COMB was asked by Michael Jackson, U.S. Bureau of Reclamation (Reclamation), to discuss with National Marine Fisheries Service (NMFS) what they were looking for with their posed question to Reclamation regarding Reclamation's nexus to the Proposed Action Habitat Improvement Projects in the 2000 Cachuma Project Biological Opinion (BiOp) and the pending new BiOp for the Cachuma Project. NMFS has not been completely aware of the processes which COMB and the Member Units undertake in planning, funding, administering and implementing past, current and future Habitat Improvement Projects. NMFS requested a letter from COMB describing the nexus and the processes contemplated to complete those projects.

Exhibit 1 provides the draft letter with all the previous correspondences to this regard. Exhibit 2 is the Tributary Project Trade-off Analysis (1/7/11) completed as a compliance report to NMFS from Reclamation on the status of projects within and outside of the 2000 BiOp and the request to drop some infeasible projects for projects that were completed or proposed.

FINANCIAL IMPACT:

The financial impact is uncertain. If potential Habitat Improvement Projects are not included in the draft Biological Assessment for the new BiOp and NMFS includes those projects in the required measures of the new BiOp, then no grant funding would be available and the financial repercussions would be significant. If those projects are listed as Proposed Actions in the new BiOp, then the financial impacts would be similar to past projects with some construction match and staff support required per project.

LEGAL CONCURRENCE:

General Counsel has reviewed the draft letter and referenced attachments.

ENVIRONMENTAL COMPLIANCE:

N/A

COMMITTEE STATUS:

The Fisheries Committee reviewed (8/6/15 and 9/22/15) and recommended the letter be submitted to the COMB Board for approval and transmitted to NMFS as requested.

RECOMMENDATION:

The Board approve the transmittal of the letter with appendices to NMFS.

LIST OF EXHIBITS:

- 1) Draft letter from COMB to NMFS (with appendices).
- 2) Tributary Trade-off Analysis (1/7/11).



**CACHUMA OPERATION AND
MAINTENANCE BOARD**
3301 Laurel Canyon Road
Santa Barbara, California 93105-2017
Telephone (805) 687-4011 FAX (805)569-5825

September XX, 2015

Mr. Anthony Spina
National Marine Fisheries Service, NOAA
Southwest Regional Office
501 W. Ocean Blvd., Suite 4200
Long Beach, CA 90802-4213

**RE: Request for Reinstatement of Steelhead Habitat and Passage Improvement Projects
in the Cachuma Project Section 7 Consultation**

Dear Mr. Spina,

I am writing in response to a letter dated April 24, 2015 from David E. Hyatt of U.S. Bureau of Reclamation (Reclamation) to William W. Stelle, Jr. of the National Marine Fisheries Service (NMFS). The highlights of this letter were sent previously by COMB to Michael Jackson, Reclamation, on May 28, 2015 (Appendix A). Subsequent to the letter sent by COMB, a conversation was held by COMB Management with Mr. Jackson who encouraged COMB to contact NMFS with regard to the subject matter. After doing so, NMFS requested a formal letter from COMB outlining specific concerns pertaining to the planning, administration, and implementation of Proposed Actions habitat enhancement projects that were suggested to be stricken by Reclamation from the draft 2013 BA.

On page 4 of the April 24, 2015 letter, Mr. Hyatt states in relevant part: “Reclamation has not been able to establish the discretionary authority required to carry out the unconstructed proposed tributary passage improvements, including those on Quiota Creek, and therefore, does not plan to retain these projects in the Proposed Action in the 2013 BA; however, these projects could be considered in the cumulative effects analysis.” For ease of reference, the tributary passage improvements referenced in Mr. Hyatt’s letter, including those on Quiota Creek, are referred to collectively in this letter as the “Passage Improvement Projects.”

The removal of these Proposed Actions within the draft 2013 BA is of great concern to the Member Units of the Cachuma Operation and Maintenance Board (COMB) and Cachuma Conservation Release Board (CCRB) exemplified by the attached May 4, 2015 Memorandum sent by CCRB to Reclamation (Appendix B). This memo clearly describes the historic, ongoing and future nexus of Reclamation with these Proposed Actions. Removing the Proposed Actions from the draft 2013 BA would significantly impact the Cachuma Member Units’ financial ability to fund future projects without the established assistance provided from grant funding.

Table 1 in the attached memorandum shows the actual and estimated costs of the completed and proposed Passage Improvement Projects from Fiscal Year (FY) 12 through FY18 with the percentage of the cost of the project funded or to be funded by the Warren Act Trust Fund and Cachuma Project Renewal Fund revenues, both of which are Reclamation contracts and described below. Also included are all completed and proposed projects with a timeline and the severity of fish passage impediment for migration (Table 2). Figure 1 presents that information in a cumulative project cost graph since the issuance of the 2000 Biological Opinion through FY16 (year with secured funding for restoration projects) and estimated cumulative costs for proposed projects from FY16 until FY24 (Figure 2), the estimated year of completion of all proposed projects, pending available grant funding. This demonstrates annual and long-term commitment by Reclamation and COMB through its Member Units to conduct and complete proposed projects as quickly as possible while maintaining annual fiscal responsibility.

As you know, COMB is actively pursuing grant funding for Passage Improvement Projects and supplementing those efforts with the Warren Act Trust Fund and Renewal Fund monies, both Reclamation contracts that historically have partially funded completed Passage Improvement Projects (Table 1). The Trust Fund arises out of the 1995 Cachuma Project Warren Act Contract which the Central Coast Water Authority (CCWA) negotiated with Reclamation for delivery and transport of State Water Project water through federally owned Cachuma Project facilities. A 1995 Memorandum of Understanding (MOU) between CCWA and the Cachuma Project Authority (CPA, the temporary organization formed by COMB member agencies to negotiate the 1996 Renewal Master Contract) executed near the time of the Warren Act Contract established a charge of \$43 per acre-foot and a two person Trust Fund Committee with one representative from CPA (now COMB). The Trust Fund Committee is tasked with preparing and implementing a Long-Term (5-year) Plan and Annual Work Plans for expenditures of Trust Fund monies for purposes consistent with the MOU. A non-voting Advisory Committee was also established through the MOU; the MOU included a representative from the County of Santa Barbara on the Advisory Committee.

The Renewal Fund is a requirement of the April 1996 Renewal Master Contract which is for water service from the Cachuma Project to the five Cachuma Project Member Units. The Contract states that the contracting officer (Reclamation) and the Cachuma Member Units shall jointly develop a Long Term (5-year) Plan and an Annual Work Plan.

Reclamation and the Cachuma Project member agencies have agreed, through COMB Board Resolution No. 249, to merge the processes for implementation and administration of the Trust Fund and the Renewal Fund under a single committee (referred to as the "Funds Committee") that would direct the preparation and implementation of Long Term and Annual Work Plans. In addition, the Cachuma Project Renewal Master Contract specified that five years after adoption of the first Annual Plan, the Contractor (Santa Barbara County) shall be substituted for the Contracting Officer (Reclamation) for the Renewal Fund discussions; this change in representation began in WY2003 and Santa Barbara County has been the representative ever since. The voting members of the Funds Committee are Reclamation, COMB and Santa Barbara County. COMB manages and administers both the Trust Fund and the Renewal Fund accounts as stipulated in the Cachuma Project Renewal Master Contract and COMB Board Resolution No. 249.

Budgeting, funding, scheduling and constructing Passage Improvement Projects are initiated with careful planning through the annual Habitat Improvement Plan (HIP) which contains a Five-Year Plan and the Trust Fund and Renewal Fund Annual Report with a Five-Year Plan. Both Plans are reviewed and approved by the COMB Board in association with adoption of the COMB annual budget. Specifically, the Plans provide a road map for submittal of grants to fund future projects. Grant applications require developing design plans, technical memos and securing matching funds (administration, monitoring and construction) prior to entering the grant competition. The COMB Board approves matching funds and submittal of the grant application as set forth in the two Plans. Grant, Trust Fund and Renewal Fund revenues, matching funds and remaining construction costs are itemized in the annual COMB budget and assessed to the Member Units, the latter to be recovered through grant reimbursement upon completion of the project. Each completed Passage Improvement Project is at least a five year process from start to finish that once again demonstrates the past, ongoing and future commitment by Cachuma Project Member Units through COMB and Reclamation.

The current COMB funding of Passage Improvement Projects through the use of awarded grant funds, member agency financial participation, and partial funding from the Trust Fund and Renewal Fund revenues demonstrates a historic financial commitment exemplified by the thirteen completed or scheduled (with grant funding) Passage Improvement Projects costing approximately \$7 million since the issuance of the current 2000 Cachuma Project Biological Opinion in 2001. All completed projects were largely funded by grants and revenues from the two funds. Therefore, this past commitment emphasizes the serious interest in the inclusion of the identified list of Passage Improvement Projects in the Section 7 Consultation.

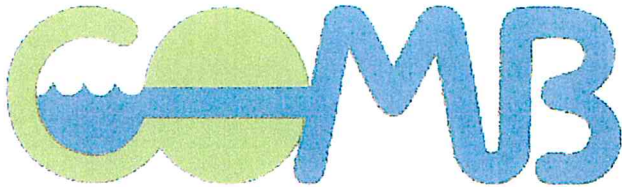
Based on the foregoing, it is clear that (i) Reclamation possesses the requisite discretionary authority with respect to implementation of the Passage Improvement Projects, and (ii) there is certainty the Passage Improvement Projects will be implemented. Therefore, COMB has requested that Reclamation immediately notify NMFS that the Passage Improvement Projects will be retained in the Proposed Action in the 2013 BA.

Thank you for your prompt consideration of this information regarding the nexus of Reclamation to Passage Improvement Projects and the significant commitment by Reclamation and COMB through its Member Units to carry out these projects as quickly as funds are available. If you have any questions or require additional information please let me know.

Sincerely,

Janet Gingras
Interim General Manager

CC: Michael Jackson, Area Manager, South-Central Area Office, USBR
Daniel Griset, General Manager, CCRB



CACHUMA OPERATION AND MAINTENANCE BOARD

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Santa Barbara, California 93105-2017
Telephone (805) 687-4011
FAX (805) 569-5825
www.cachuma-board.org

May 28, 2015

Michael Jackson
Area Manager, South-Central Area Office
U.S. Bureau of Reclamation
1243 "N" Street
Fresno, CA 93721-1813

RE: Request for Reinstatement of Steelhead Passage Improvement Projects in the Cachuma Project Section 7 Consultation

Dear Mr. Jackson:

I am writing in response to the letter dated April 24, 2015 from David E. Hyatt of your staff to William W. Stelle, Jr. of the National Marine Fisheries Service (NMFS). On page 4 of that letter Mr. Hyatt states in relevant part: "Reclamation has not been able to establish the discretionary authority required to carry out the unconstructed proposed tributary passage improvements, including those on Quiota Creek, and therefore, does not plan to retain these projects in the Proposed Action in the 2013 BA; however, these projects could be considered in the cumulative effects analysis." For ease of reference, the tributary passage improvements referenced in Mr. Hyatt's letter, including those on Quiota Creek, are referred to collectively in this letter as the "Passage Improvement Projects."

As you know, the Cachuma Operation and Maintenance Board (COMB) is actively pursuing grant funding for Passage Improvement Projects and supplementing those efforts with the Warren Act Trust Fund and Renewal Fund monies, both U.S. Bureau of Reclamation (Reclamation) contracts that historically have partially funded completed Passage Improvement Projects. The Trust Fund arises out of the 1995 Cachuma Project Warren Act Contract which the Central Coast Water Authority negotiated with Reclamation for delivery and transport of State Water Project water through Cachuma Project facilities. A 1995 memorandum of understanding between the CCWA and the Cachuma Project Authority (CPA)(the temporary organization formed by COMB member agencies to negotiate the 1996 Renewal Master Contract) executed near the time of the Warren Act Contract established a charge of \$43 per acre-foot and a two person Trust Fund Committee with one representative from CPA (now COMB). The Trust Fund Committee is tasked with preparing and implementing a Long Term (5-year) Plan and Annual Work Plans for expenditures of Trust Fund monies for purposes consistent with the MOU. A non-voting Advisory Committee was also established through the MOU; the MOU included a representative from the County of Santa Barbara on the Advisory Committee.

The Renewal Fund is a requirement of the April 1996 Renewal Master Contract which is for water service from the Cachuma Project to the five Cachuma Project Member Units. The Contract states that the contracting officer (Reclamation) and the Cachuma Member Units shall jointly develop a Long Term (5-year) Plan and an Annual Work Plan.

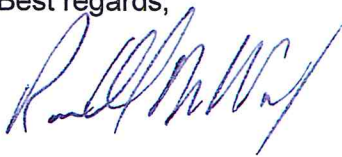
Reclamation and the Cachuma Project member agencies have agreed to merge the processes for implementation and administration of the Trust Fund and the Renewal Fund under a single committee (referred to as the "Funds Committee") that would direct the preparation and implementation of Long Term and Annual Work Plans. In addition, the Cachuma Project Renewal Master Contract specified that five years after adoption of the first Annual Plan, the Contractor (Santa Barbara County) shall be substituted for the Contracting Officer (Reclamation) for the Renewal Fund discussions; this change in representation began in WY2003 and Santa Barbara County has been the representative ever since. The voting members of the Funds Committee are Reclamation, COMB and Santa Barbara County. COMB manages and administers both the Trust Fund and the Renewal Fund accounts as stipulated in the Cachuma Project Renewal Master Contract and COMB Board Resolution No. 249.

The current COMB funding of Passage Improvement Projects through the use of awarded grant funding, member agency financial participation, and partial funding from the Trust Fund and Renewal Fund, demonstrates a historic financial commitment exemplified by the thirteen completed or scheduled capital projects costing approximately \$7 million since the issuance of the current 2000 Cachuma Project Biological Opinion in 2001. All completed projects were funded by grants, revenues from the two funds and financial commitments from the member agencies through COMB. Therefore, this past commitment emphasizes the serious interest in the inclusion of the identified list of Passage Improvement Projects in the Section 7 Consultation.

Based on the foregoing, it is clear that (i) Reclamation possesses the requisite discretionary authority with respect to implementation of the Passage Improvement Projects, and (ii) there is certainty the Passage Improvement Projects will be implemented. Therefore, COMB requests that Reclamation immediately notify NMFS that the Passage Improvement Projects will be retained in the Proposed Action in the 2013 BA.

Thank you for your prompt consideration of this request. If you have any questions or require additional information please let me know.

Best regards,

A handwritten signature in blue ink, appearing to read "Randall M. Ward".

Randall M. Ward
General Manager

Memorandum

Date: May 4, 2015

To: Michael Jackson, Area Manager
United States Bureau of Reclamation

CC: Pablo Arroyave, Assistant Regional Director

From: Daniel E. Griset, General Manager, Cachuma Conservation and Release Board

RE: **Federal Nexus for Habitat Enhancement Projects for the Endangered Southern Steelhead in Association with the Cachuma Project**

Reclamation is currently in consultation with the National Marine Fisheries Service (NMFS) for the Operation and Maintenance of the Cachuma Project. The Proposed Action included in the 2013 Draft Cachuma Project Biological Assessment (BA) included several tributary passage projects on Quiota Creek. A number of additional habitat improvement projects, such as gravel augmentation in Hilton Creek, Lower Santa Ynez River (LSYR) mainstem habitat improvements and removal of a fish passage barrier associated with the South Coast Conduit (SCC) are also being considered for inclusion in the Proposed Action. In response to the submitted BA, NMFS has requested that Reclamation clarify the federal nexus (Reclamation's nexus) for inclusion of these projects in the consultation.

A federal nexus for proposed habitat enhancement projects to benefit the endangered southern steelhead within the LSYR basin and along the SCC falls in to three "categories":

Category A: Projects for Hilton Creek and LSYR mainstem conducted on Reclamation property,

Category B: Projects conducted in the Santa Ynez River drainage, and

Category C: Projects on the tributaries affected by the SCC.

As described by NMFS, options for establishing a Reclamation nexus would be one of the following: 1) provide some level of permitting for the project, 2) provide some level of funding for the project, or 3) administer/manage some level of the project. All proposed projects will be funded to some degree through two Reclamation contracts, the Cachuma Project Warren Act Trust Fund (Trust Fund) and the Cachuma Project Master Contract Renewal Fund (Renewal Fund). Each designates funds for restoration projects for the endangered southern steelhead within the action area of the Cachuma Project.

The following presents a summary of each project category and the related federal nexus for that category:

Category A – Hilton Creek and LSYR mainstem Projects

All of the watered section of Hilton Creek from the Hilton Creek Watering System (HCWS) and a short stretch of the LSYR mainstem downstream of Bradbury Dam are located on Reclamation property. Thus, any projects occurring on those stream/river reaches within Reclamation's property would be subject to permitting by Reclamation over and above the in place and currently implemented project funding source, and therefore would have a clear federal nexus.

May 4, 2015

Category B – Other Lower Santa Ynez River Tributary Projects

This category of projects includes tributary fish passage improvement projects or other habitat enhancement projects in the lower watershed. These projects would occur on lands outside of Reclamation property and Reclamation has indicated they would not administer or manage these projects. Thus, the remaining option for a federal nexus for these projects would be through some funding of these projects by the Cachuma Project Warren Act Trust Fund (Trust Fund) and Cachuma Project Master Contract Renewal Fund (Renewal Fund), two separate funds that have been established through contracts with Reclamation.

Category C – South Coast Conduit Tributary Projects

Recent investigation by CCRB (Cardno) of the streams crossed by the South Coast Conduit identified three fish passage barrier related to the SCC crossing of the stream that was ranked as a high priority (Red) for removal: the Mission Creek, Las Vegas Creek and Romero crossings. Four other crossings (Maria Ygnacio, Carneros Creek, San Roque Creek and Montecito Creek) were identified as partial barriers (Gray) for steelhead migration. Because these project are directly related to Reclamation's conduit infrastructure and would occur within an easement granted to Reclamation, the Projects would be permitted through Reclamation and Reclamation would administer some level of the project over and above the available partial funding for the identified projects, providing a clear federal nexus for the project.

Historical Nexus: The 1999 Biological Assessment and 2000 Biological Opinion (BO) for the Cachuma Project clearly stated the funding nexus for conservation measures (habitat restoration) for fish passage projects using the Trust and Renewal funds:

1999 BA: Funding for the proposed conservation measures is available from Reclamation, the Member Units, the Cachuma Project Contract Renewal Fund, the Central Coast Water Authority's (CCWA's) Warren Act Trust Fund, and Santa Barbara County. Additional funding will be sought from state and federal sources and private foundations.

2000 BO: Reclamation has identified eleven passage impediments and barriers on five tributaries downstream of Bradbury Dam. Reclamation will fund the improvement of passage at these sites using the Renewal Funds of the Cachuma Project and the Warren Act Trust Fund. Approximately \$300,000 dollars will be available each year.

The Trust Fund is a requirement of the Cachuma Project Warren Act Contract that the Central Coast Water Authority (CCWA) negotiated with Reclamation for delivery and transport of State Water Project (SWP) water through the Cachuma Project facilities. A 1995 memorandum of understanding (MOU) executed with the Warren Act Contract established a charge of \$43 per acre foot (AF) and a two person Trust Fund Committee with one representative from Reclamation and one representative from the Cachuma Operation and Maintenance Board (COMB). The Committee is tasked with preparing and implementing a Long Term (5-year) Plan and Annual Work Plans for expenditures of Trust Fund monies for purposes consistent with the MOU. A non-voting Advisory Committee was also established through the MOU that has a representative from the Santa Barbara County Water Agency.

The Renewal Fund is a requirement of the 1995 Renewal Master Contract (executed in 1996) which is for water service from the Cachuma Project to the five Cachuma Project Member Units. The Contract states that the contracting officer (Reclamation) and the Cachuma Member Units shall jointly develop a Long Term (5-year) Plan and an Annual Work Plan.

May 4, 2015

Further, in the Contract and COMB Board Resolution No. 249, Reclamation and the Cachuma Project Member Units agreed to merge the processes for implementation and administration of the Trust Fund and the Renewal Fund under a single committee (referred to as the "Funds Committee") that would direct the preparation and implementation of Long Term and Annual Work Plans. In addition, the Cachuma Project Renewal Master Contract specified that five years after adoption of the first Annual Plan, the Contractor (Santa Barbara County) shall be substituted for the Contracting Officer (Reclamation) for the Renewal Fund discussions; this change in representation began in WY2003 and Santa Barbara County has been the representative ever since. This dictates that the voting members of the Funds Committee are Reclamation, COMB and Santa Barbara County. COMB manages and administers both the Trust Fund and the Renewal Fund accounts as stipulated in the Cachuma Project Renewal Master Contract and Resolution No. 249.

The majority of the revenues from the Trust and Renewal funds have been dedicated to environmental and habitat restoration projects for the recovery of the endangered southern steelhead, the Fisheries Program on the LSJR that includes genetic analyses of steelhead tissue samples and an oak tree restoration program around Lake Cachuma. Expenditure details can be reviewed in the 2014 Annual Report for the Cachuma Project Warren Act Trust Fund and Cachuma Project Renewal Master Contract Fund. A summary of the uses of those revenues for the last six restoration projects from Fiscal Year 2011-2012 (FY12) through FY18 is provided in Table 1. Proposed projects from FY17 through FY24 with estimated costs, funding sources, barrier severity and Reclamation nexus are listed in Table 2.

Table 1: Expenditures (passed and anticipated) of the Trust Fund and Renewal Fund revenues from FY12 through FY18 for habitat restoration projects that year.

Fiscal Year*	WATF/RF**	Project Name	Project Cost	Percentage
FY12	\$147,000	Quiota Creek Crossing 2	\$818,182	17.97%
FY13	\$102,000	Quiota Creek Crossing 7	\$895,102	11.40%
FY14	\$137,000	Quiota Creek Crossing 1	\$898,822	15.24%
FY14	\$29,000	Salsipuedes Creek Cattle Exclusionary Fencing	\$47,260	61.36%
FY16	\$225,000	Quiota Creek Crossing 3	\$930,000	24.19%
FY16	\$100,000	Quiota Creek Crossing 0 (a+b)	\$810,000	12.35%
FY17	\$200,000	Quiota Creek Crossing 4	\$1,230,000	16.26%
FY18	\$200,000	Quiota Creek Crossing 8	\$930,000	21.51%

* Fiscal Year (FY) is July 1 through June 30 and listed by the last year (i.e., 7/1/11 - 6/30/12 = FY12).

** Warren Act Trust and Renewal Funds dedicated to fish passage and habitat enhancement projects.

May 4, 2015

Table 2: Proposed habitat restoration projects for southern steelhead and associated estimated expenditures from the Trust Fund and Renewal Fund revenues from FY17 through FY24.

Potential Projects	Fiscal Year*	Est Cost	Funding Sources	Severity**	Reclamation Nexus
LSYR Basin (mainstem and tributaries)					
Quiota Creek Crossing 4	FY17	\$1,230,000	Grants + COMB	Gray	Trust+Renewal Funds
Hilton Creek Gravel Augmentation	FY17	\$2,000	Grants + COMB	-	Permit & Trust+Renewal Funds
Quiota Creek Crossing 5	FY18	\$930,000	Grants + COMB	Gray	Trust+Renewal Funds
Quiota Creek Crossing 8	FY18	\$930,000	Grants + COMB	Gray	Trust+Renewal Funds
Hilton Creek 2nd Cascade Chute	FY18	\$175,000	Grants + COMB	Gray	Permit & Trust+Renewal Funds
Hilton Creek Lower Reach Scour Pools	FY19	\$50,000	Grants + COMB	-	Permit & Trust+Renewal Funds
Quiota Creek Crossing 9	FY20	\$930,000	Grants + COMB	Gray	Trust+Renewal Funds
LSYR-Long Pool Large Woody Debris Augmentation	FY20	\$25,000	Grants + COMB	-	Permit & Trust+Renewal Funds
Hilton Creek Middle Reach Passage Improvements	FY20	\$50,000	Grants + COMB	Gray	Permit & Trust+Renewal Funds
Hilton Creek Upper Reach Channel Augmentation	FY21	\$200,000	Grants + COMB	-	Permit & Trust+Renewal Funds
SCC - South Coast					
SCC - Mission Creek and Hwy 192	FY18	\$1,900,000	Grants + COMB	Red	Permit & Trust+Renewal Funds
SCC - Maria Ygnacio	FY19	\$750,000	Grants + COMB	Gray	Permit & Trust+Renewal Funds
SCC - Las Vegas Creek	FY20	\$750,000	Grants + COMB	Red	Permit & Trust+Renewal Funds
SCC - Romero Creek	FY21	\$750,000	Grants + COMB	Red	Permit & Trust+Renewal Funds
SCC - Carneros Creek	FY22	\$750,000	Grants + COMB	Gray	Permit & Trust+Renewal Funds
SCC - San Roque Creek	FY23	\$750,000	Grants + COMB	Gray	Permit & Trust+Renewal Funds
SCC - Montecito Creek	FY24	\$750,000	Grants + COMB	Gray	Permit & Trust+Renewal Funds
* All dates are tentative pending grant and COMB funding; set to a 10 year period (Fiscal Year 2017-2025) with a 2 year margin of error.					
Fiscal Year (FY) is July 1 through June 30 and listed by the last year (i.e., 7/1/16 - 6/30/17 = FY17).					
Prioritization by barrier severity and/or ongoing stream habitat restoration work in the watershed.					
** Estimated level of fish passage impediment following CDFW protocols: Red - complete, Gray - partial and Green - not a barrier.					

The Federal Nexus Is Already in Place For the Cachuma Tributary Projects

Because Reclamation is a signatory to the Master Contract (Renewal Fund) and Warren Act Contract (Trust Fund), expenditure of these funds on tributary projects would constitute a federal nexus for those projects. This is consistent with the Water Year 2015 to 2019 Five Year Plan and Annual Work Plan for the Trust and Renewal funds, which includes project operating expenses, construction match, and design and technical support habitat enhancement and fish passage projects.

Reclamation through these two contractual agreements has been funding in some measure multiple restoration projects for LSYR southern steelhead, the majority of which are in the proposed action section of the 2000 Cachuma Project Biological Opinion (BO) (NMFS, 2000). Since these steelhead restoration projects are proposed actions, acquisition of grant funding has been possible and essential for their expedient implementation in the LSYR drainage.

Figure 1 below shows the cumulative success in restoration projects that have totaled \$7,000,000, most of these occurring after 2008. A large majority of the funding for these projects came from grants applied for by the COMB staff with smaller amounts of this total supplemented by Member Unit funding through COMB.

Figure 2 below illustrates the projected cumulative costs for the potential projects for the pending Cachuma Project BO. The implementation cost shown here highlights how critical it is that these projects be a part of the Proposed Action in the BO which would allow for grants that can be a primary source of funding for this restoration work.

May 4, 2015

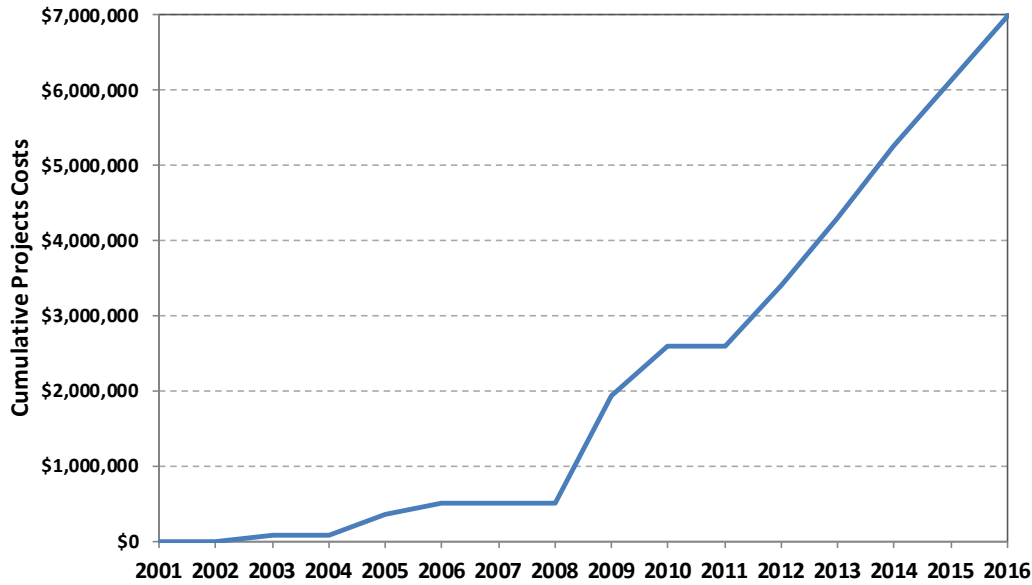


Figure 1: Cumulative costs of the Member Units through COMB for LSYR basin habitat and fish passage enhancement projects that have been completed or have secured funding since the beginning of the 2000 BO through FY16 (all years are for the end of the Fiscal Year).

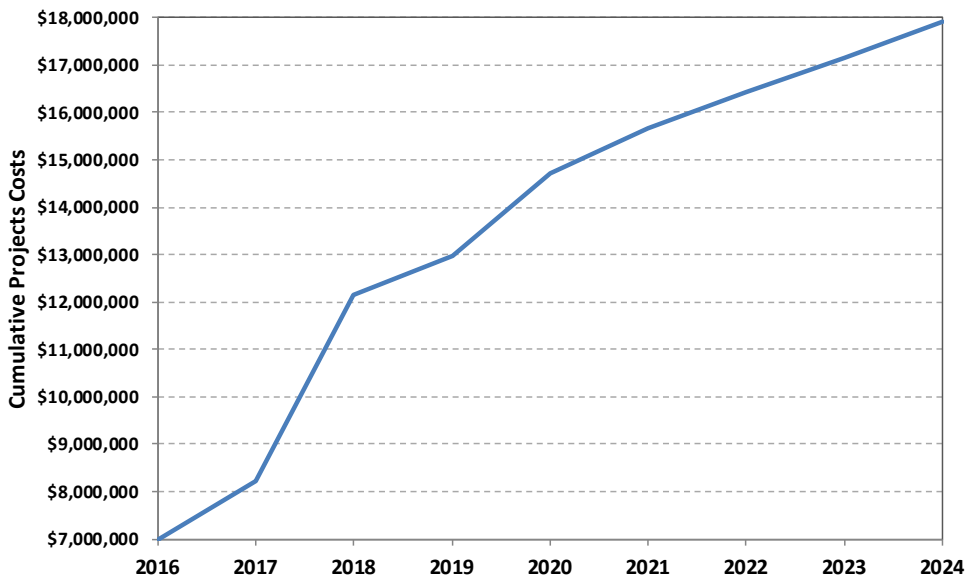


Figure 2: Projected cumulative costs of the Member Units through COMB for proposed LSYR basin and SCC habitat and fish passage enhancement that may be included in the new Cachuma Project BO from FY17 through FY24 (all years are for the end of the Fiscal Year).

May 4, 2015

Cost Implication of Reclamation's Withdrawal of Habitat Enhancement Projects from the BA:

If Reclamation does not include these proposed projects as Proposed Actions in the BA the Cachuma Member Units will be exposed to significant risks, risks that would take the form of financial costs and water supply costs.

- If these kinds of habitat enhancement projects become mandated by NMFS as RPAs or RPMs, none of the grant funding that has supported these recent improvements will continue to be available. This would mean a loss of a very large majority of the \$11,000,000 needed for these projects.
- The resulting funding process that would fall entirely on the Cachuma Members would involve a considerably longer timeframe than if funding is secured through grants, resulting in a much longer timeframe for implementation of these habitat enhancement projects.
- The forthcoming BO can be expected to require greater compensating fish water releases from the Project pending the completion of the tributary projects. If habitat enhancement project completion dates extend further in to the future due to lack of grant funding, the result will be a loss of critical water supplies for the Member Units as a result of delayed project implementation.

**REPORT
TRIBUTARY PROJECT TRADE-OFF ANALYSIS**

**Prepared by:
U.S. Bureau of Reclamation
Cachuma Project Biology Staff**

**Prepared for:
National Marine Fisheries Service**

The purpose of this analysis is to compare the habitat value of the tributary projects already undertaken and proposed to be undertaken by the U.S. Department of the Interior, Bureau of Reclamation (Reclamation) within the Lower Santa Ynez River (LSYR) watershed against a computed expected value had all required tributary projects been completed by 2005. This analysis is being done to determine: 1) whether the computed habitat value of the projects completed or anticipated to be completed within the LSYR basin equals or exceeds the habitat value computed for the projects included within the original set of projects described in the Biological Opinion for the operation and maintenance of the Cachuma Project (BO) (NMFS 2000), and 2) whether the projects already completed and planned for completion would reasonably match or exceed two of the originally contemplated projects that were found to be infeasible due to problems that are described below.

The analysis provided tabulates the stream mileage that already has been or will soon be opened up to southern steelhead migration, and assigns weighted habitat values based on the habitat quality of that additional mileage. These weighted habitat values are compared to various stream reaches within the LSYR. As will be shown, the analysis demonstrated that the weighted habitat value of the steelhead passage projects already completed or planned for completion exceed the weighted habitat value of the originally contemplated suite of projects, including the two projects proposed for removal from the BO, the Highway 101 Culvert Project on Nojoqui Creek and the Highway 154 Culvert Project on Hilton Creek.

I. Introduction

The Revised Project Description of the Biological Assessment (Revised BA) for the Cachuma Project (page 3-49) identifies and describes eleven potential steelhead passage impediments on the tributaries of the LSYR downstream of Bradbury Dam (USBR 2000). Table 3-11 of the Revised BA lists these eleven potential passage barriers and the type of impediment. The Proposed Action in the BO (NMFS 2000, page 14) states that these elements will be completed by 2005. Reasonable and Prudent Measure 4 with Term & Condition 4.1 of the BO states (NMFS 2000):

RPM 4: "Reclamation shall reinitiate consultation if the tributary passage impediment and barrier fixes described in the revised project description (U.S. Bureau of Reclamation 2000) are not completed by 2005." (Page 71)

T&C 4.1: “Reclamation will reinitiate consultation with NMFS if information is available indicating that the planned tributary passage impediment and barrier fixes will not be completed by 2005. Reclamation shall provide the following information, at minimum: 1) Explanation of the delay in completing this aspect of the proposed action; and 2) Steps Reclamation will take to complete this aspect of the proposed action and a new anticipated date of completion.” (Page 73)

Because not all of the tributary projects listed in the BO were completed by 2005, Reclamation initiated reconsultation with the National Marine Fisheries Service (NMFS) on December 29, 2005, and NMFS acknowledged that request on April 17, 2006 for a focused reconsultation on the tributary projects in accordance with RPM 4. Formal reconsultation was delayed for a variety of reasons unrelated to the tributary projects, but NMFS and Reclamation have engaged and reinitiated consultation in 2010. The current status of all tributary projects listed in the BO is presented in Table 1. Additional tributary projects not identified in the BO, but undertaken by Reclamation since the BO was issued are listed in Table 2.

Table 1: BO tributary project inventory with the anticipated completion date specified in the BO and their status to date.

Tributary Projects	BO Expected Completion Date	Current Status (as of January 2011)
Hwy 1 Bridge on Salispuedes Creek	2001	Completed (2002)
Cross Creek Ranch on El Jaro Creek	2005	Completed (2009)
Hwy 101 Culvert on Nojoqui Creek	2005	Proposed removal from BO ¹
Quiota Creek Crossing 1	2003	In design
Quiota Creek Crossing 3	2003	In design
Quiota Creek Crossing 4	2003	In design
Quiota Creek Crossing 5	2003	In design
Quiota Creek Crossing 7	2003	In design ²
Quiota Creek Crossing 9	2003	In design
Cascade Chute Passage on Hilton Creek	2000	Completed (2005)
Hwy 154 Culvert on Hilton Creek	2002	Proposed removal from BO ¹
Total:	11	
Projects completed and in design:	9	
Projects suggested to be removed:	2	

1. Project proposed for removal from the BO as requested in this analysis.

2. Partial grant funding secured with the rest submitted in a pending grant applications.

Table 2: Non-BO tributary projects already completed or scheduled for completion.

Tributary Projects	Current Status (as of January 2011)
Jalama Road Bridge on Salsipuedes Creek	Completed (2004)
San Julian Ranch on El Jaro Creek	Completed (2008)
Quiota Creek Crossing 2	In design ¹
Quiota Creek Crossing 6	Completed (2008)
Quiota Creek Crossing 8	In design
Total:	5
Projects completed:	3
Projects remaining:	2

1. Grant received for full construction funding for the project.

Within the five tributaries listed in the BO that have credible steelhead habitat (Salsipuedes, El Jaro, Nojoqui, Quiota, and Hilton Creeks), nine of the eleven BO tributary projects and three of the five Non-BO projects have been completed or are scheduled for completion within the foreseeable future (Tables 1 and 2). Reclamation requests 1) removal of the Highway 101 Culvert Project on Nojoqui Creek and the Highway 154 Culvert Project on Hilton Creek from the BO because they were found to be infeasible due to little to no habitat value for the high project costs, and legal issues, respectively, and 2) substitution of the Non-BO projects shown in Table 2. For further description, see *Nojoqui Creek Highway 101 Passage Impediment Repair* and *Hilton Creek Highway 154 Culvert Fish Passage BO Compliance* documents (Compliance Binder, Section 13). This analysis includes the basis for that request.

In 2007, a stakeholder-driven process developed the Quiota Creek Watershed Fish Passage Enhancement Plan (CCRB/SYRWCD-ID#1 2007). The Plan included hydrological analyses at each crossing along Quiota Creek for fish passage and barrier severity. The results of these analyses determined a restoration prioritization for all nine crossings and evaluated/ranked six alternative fixes that provided the background information needed to begin restoration efforts along the creek.

The Cachuma Project Biology Staff (CPBS) of the Cachuma Conservation Release Board and the Santa Ynez River Water Conservation District, ID#1, working on behalf of Reclamation, conducted two site visits with representatives of NMFS and the California Department of Fish and Game (CDFG) to determine current conditions and the severity of the identified tributary barriers, as well as to observe the habitat quality upstream and downstream of each impediment. CPBS organized a LSYR watershed tour on November 14, 2006 of all tributary project sites (completed and proposed, BO and Non-BO projects) with Matt McGoogan (NMFS), Mary Larson (CDFG), and Mike Kinsey (Reclamation). The group looked at the improved fish passage throughout the Salsipuedes Creek drainage, the passage impediment on Nojoqui Creek at the Highway 101 culvert and the poor habitat quality above the barrier, all of the nine low flow crossings on Quiota Creek, and the completed Cascade Chute Project on Hilton Creek. A follow-up LSYR watershed tour was also conducted by CPBS on November 19, 2008 for NMFS representatives, specifically Russ Strach, Chris Yates, and Darren Brumback, to look at fish passage impediments, habitat quality, and the completed tributary projects as listed in Tables 1 and 2.

On February 9, 2009, NMFS requested clarification regarding the order and schedule of the remaining tributary project fixes to be constructed and suggested a design review procedure that Reclamation has been following since then. The CPBS conducted a site visit on March 26, 2009 with fish passage engineers, representatives from NMFS, CDFG, Reclamation, and the project engineer (HDR Fisheries Design Center), to collectively determine project prioritization and the most appropriate type of project at each site. This resulted in a mutually accepted refinement of the Quiota Creek Watershed Fish Passage Enhancement Plan to determine the course of action for steelhead restoration efforts at all of the remaining low flow crossings along the creek (Table 3). The tributary projects requested for removal from the BO on Highway 101 at Nojoqui Creek and Highway 154 at Hilton Creek were not included in Table 3 due to the previously discussed implementation difficulties at each site. These were pointed out during the November 2006 and 2008 LSYR watershed tours.

Table 3: Quiota Creek tributary projects listed by the determined prioritization with the CDFG barrier rating based upon CDFG established criteria (red = total barrier, gray = partial barrier, green = no barrier) (CDFG, 2003), percent design level, BO or Non-BO project, and status.

Quiota Creek Projects	Priority	CDFG Rating	% Design Level	BO (Y/N)	Current Status ¹ (as of January 2011)
Crossing 2	1	Red	95%	N	To be constructed in the fall, 2011 ²
Crossing 1	2	Gray	65%	Y	Pending
Crossing 6	3	Gray	-	N	Complete (2008)
Crossing 7	4	Gray	95%	Y	Pending
Crossing 4	5	Gray	60%	Y	Pending
Crossing 9	6	Gray	30%	Y	Pending
Crossing 8	7	Gray	95%	N	Pending
Crossing 5	8	Gray	30%	Y	Pending
Crossing 3	9	Gray	60%	Y	Pending

1. Completion pending full grant funding and landowner access.

2. Construction pending final permits, expected in the early summer, 2011.

All completed and proposed BO and Non-BO projects have been and will be reviewed by NMFS with environmental compliance completed by the U.S. Army Corps of Engineers as the lead federal agency through the project permitting process.

II. Methods

In the Revised BA (USBR 2000), and through the Santa Ynez River Technical Advisory Committee (SYRTAC) process (SYRTAC 1999), stream habitat quality throughout the LSYSR was determined as Good, Fair, and Poor. The SYRTAC, comprised of members from water districts, regulatory agencies, landowners, NGOs, and the public, was a stakeholder driven process with the objective of finding consensus amongst all parties. Table 4 presents the habitat quality classification criteria used by the SYRTAC (SYRTAC 2000). Stream reaches were entered into a GIS database with attributes of the reach length and determined habitat quality through the SYRTAC process (Figures 1 and 2). Table 5 lists all barriers (BO and Non-BO) and their status in each tributary. Each barrier was also incorporated into the GIS database. The value of stream habitat for steelhead/rainbow trout above a barrier was calculated by using the number of steelhead-accessible stream miles above a barrier multiplied by the habitat quality (Good = 1.00, Fair = 0.75, and Poor = 0.50) for each reach. This resulted in a weighted habitat value score (mileage with habitat quality) (Table 6). Reaches classified as “Unknown - no data” were not included in the tabulation due to the uncertainty of the habitat quality and stream mileage.

Table 4: Habitat quality classification criteria for the Santa Ynez River.

Habitat Quality Component	Good	Fair	Poor
Flow	Perennial and sustained	Perennial, but minimal	Intermittent, fragmented
Temperature	Mean Daily < 21°C	Mean Daily > 21°C and < 23°C	Mean Daily > 23°C and < 25°C
Habitat Structure	Mix of different habitat types, spawning habitat available, mix of substrates, cover available	Predominantly pool, some riffle, some spawning habitat, substrate dominated by sand, limited cover	Mainly pool, little riffle, no spawning habitat, substrate nearly all sand, little or no cover
Dissolved Oxygen	> 6 ppt	< 6 and > 4 ppt	< 4 ppt
SH/RBT Presence	Always	Usually	Rarely
Refugia*	Extensive	Common	Limited
Gradient*	0.02-0.08	0.00-0.02	Very High (>0.08)

* Component not explicitly considered in the evaluation.

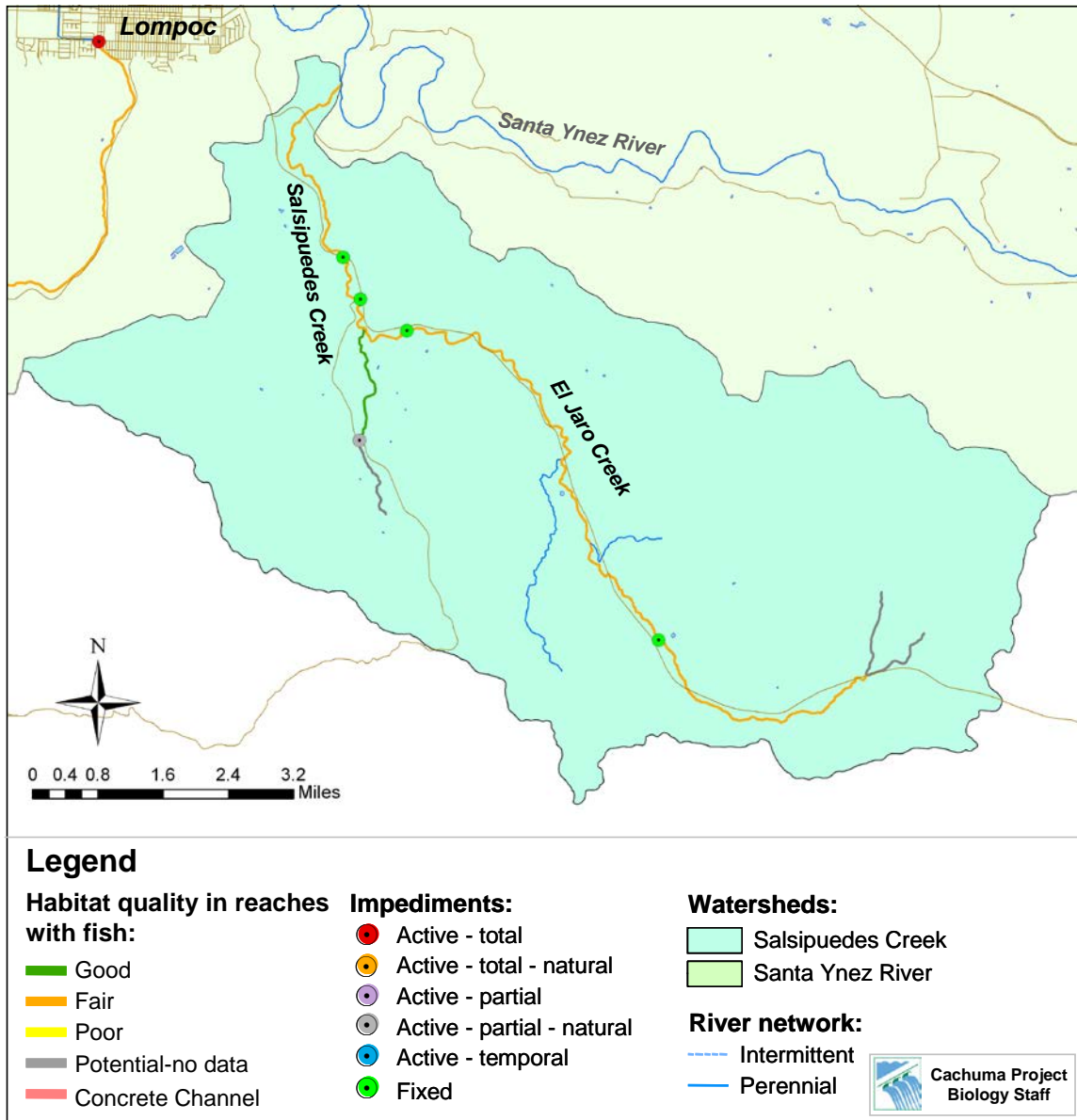


Figure 1: Salsipuedes Creek, tributary of the Lower Santa Ynez River, with stream habitat quality and fish migration impediments with their status.

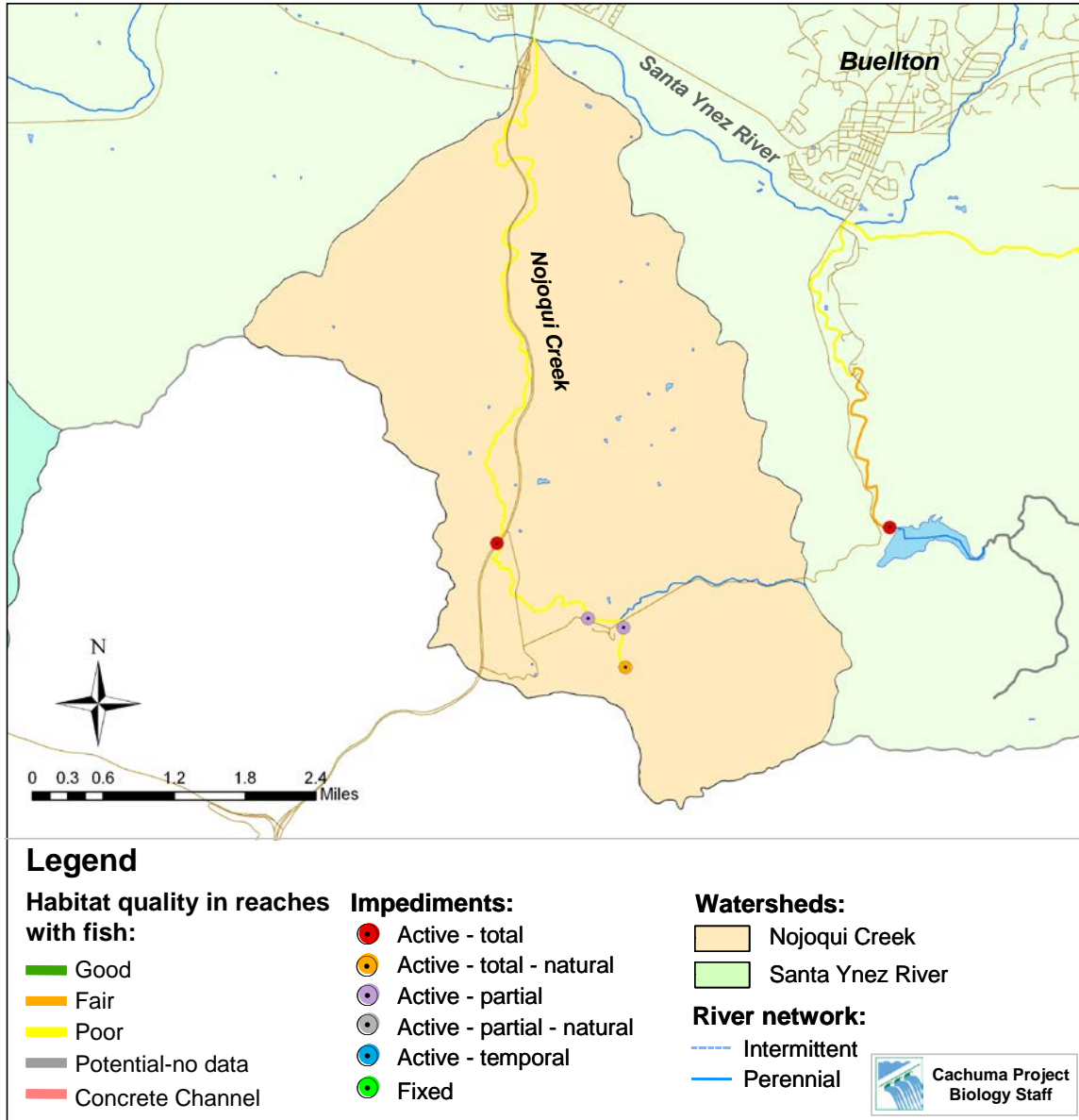


Figure 2: Nojoqui Creek, tributary of the Lower Santa Ynez River, with stream habitat quality and fish migration impediments with their status.

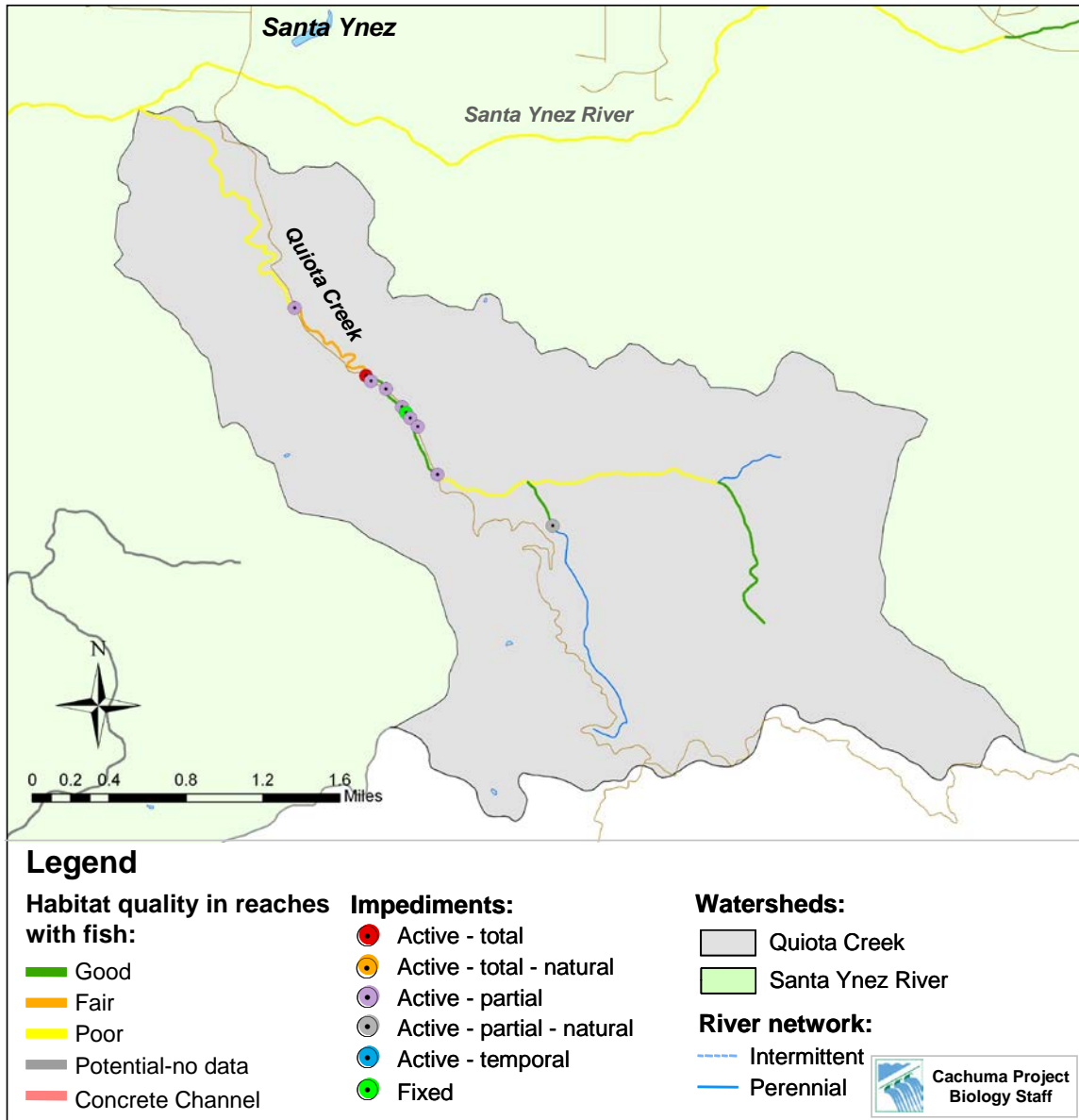


Figure 3: Quiota Creek, tributary of the Lower Santa Ynez River, with stream habitat quality and fish migration impediments with their status.

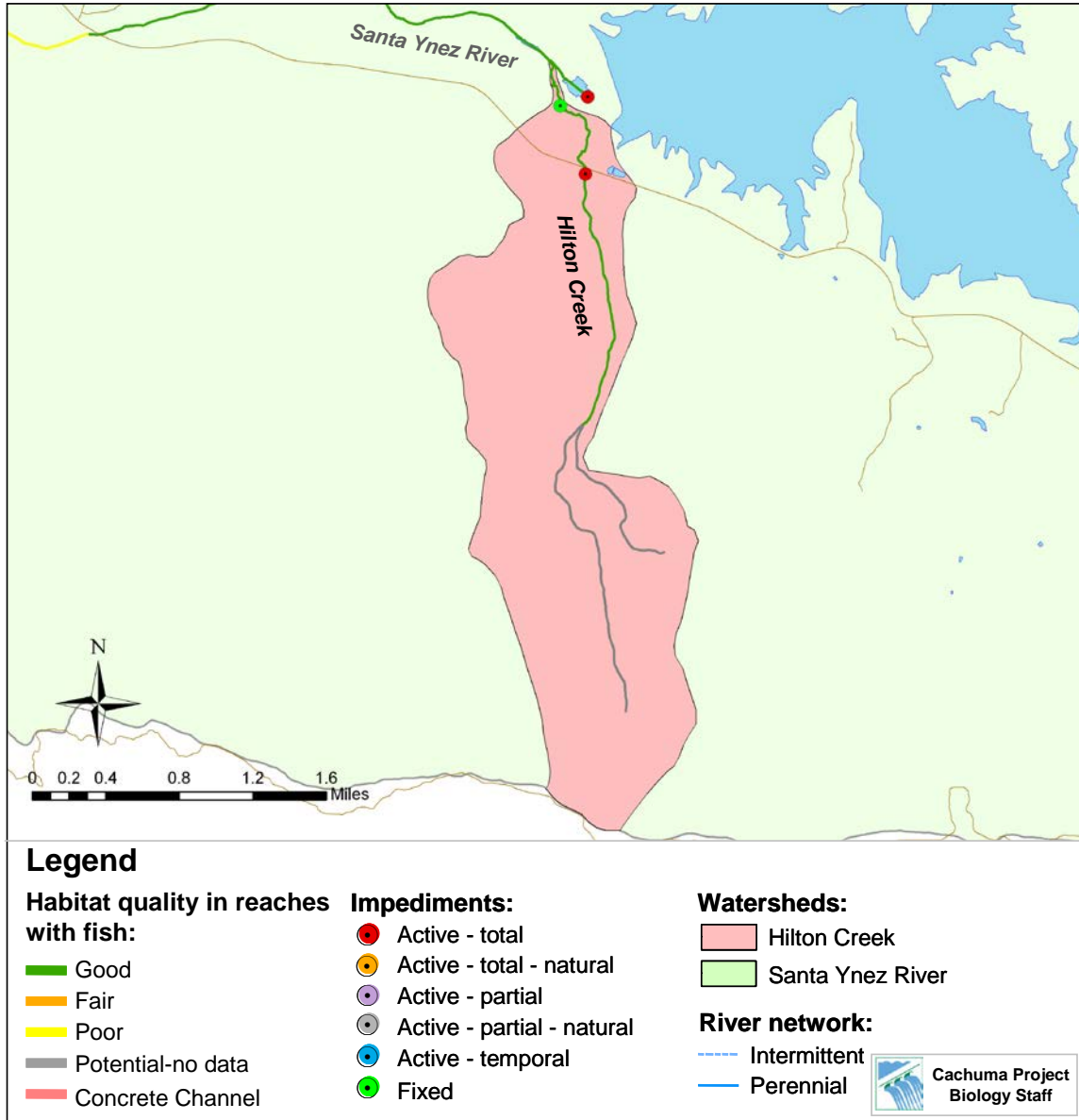


Figure 4: Hilton Creek, tributary of the Lower Santa Ynez River, with stream habitat quality and fish migration impediments with their status.

Table 5: Tributary barrier inventory including projects requested to be removed.

Creek	Impediment Name	Barrier:	
		Status	Type
Salsipuedes	Highway 1 Bridge (concrete apron)	Fixed (2002)	-
Salsipuedes	Jalama Bridge (concrete apron)	Fixed (2004)	-
Salsipuedes	Upper Salsipuedes (natural cascade)	Active	Partial – natural
El Jaro	Cross Creek Ranch (low flow crossing)	Fixed (2009)	-
El Jaro	San Julian Ranch entrance bridge (concrete apron)	Fixed (2008)	-
Nojoqui	Nojoqui Creek – Highway 101 Culvert (culvert)*	Active	Total
Nojoqui	Nojoqui Creek – Folded Hills Ranch Bridge (concrete apron)	Active	Partial
Nojoqui	Nojoqui Creek (culvert)	Active	Partial
Nojoqui	Nojoqui Falls (natural, waterfall)	Active	Total – natural
Quiota	Quiota Creek Crossing – 1 (low flow crossing)	Active	Partial
Quiota	Quiota Creek Crossing – 2 (low flow crossing)	Active	Total
Quiota	Quiota Creek Crossing - 3 (low flow crossing)	Active	Partial
Quiota	Quiota Creek Crossing - 4 (low flow crossing)	Active	Partial
Quiota	Quiota Creek Crossing - 5 (low flow crossing)	Active	Partial
Quiota	Quiota Creek Crossing - 6 (low flow crossing)	Fixed (2008)	-
Quiota	Quiota Creek Crossing - 7 (low flow crossing)	Active	Partial
Quiota	Quiota Creek Crossing - 8 (low flow crossing)	Active	Partial
Quiota	Quiota Creek Crossing - 9 (low flow crossing)	Active	Partial
Quiota	Upper Quiota Creek natural barrier (natural cascade)	Active	Partial – natural
Hilton	Cascade Chute (natural cascade)	Fixed (2005)	-
Hilton	Highway 154 culvert 4200' upstream (culvert)*	Active	Total

* Project requested to be removed from the BO.

Table 6: Calculation of weighted habitat value scores using miles of good, fair, or poor habitat quality opened up for each tributary project. The stream mileage for “unknown-no data” for Salsipuedes, El Jaro and Hilton Creeks was not included.

Stream	Reach	Upstream Barrier / Status (BO / Non-BO / Natural Barrier)	Habitat Quality (mi):			Weighted Score:	
			Good	Fair	Poor		Total
<i>Salsipuedes/El Jaro Creeks</i>	Confluence - Hwy 1 Bridge	Hwy 1 Bridge / fixed 2002 (BO)	2.99			2.99	2.24
	Hwy 1 Bridge - Jalama Road Bridge	Jalama Road Bridge / fixed 2004 (Non-BO)	0.74			0.74	0.55
	Jalama Road Bridge - Cross Creek Ranch crossing	Cross Creek Ranch crossing / fixed 2009 (BO)	1.59	1.20		2.79	2.49
	Upper Salsipuedes Rock Chute - upstream	Upper Salsipuedes Rock Chute / natural barrier (Natural Barrier)				0.00	0.00
	Cross Creek Ranch crossing - Rancho San Julian concrete apron	Rancho San Julian concrete apron / fixed 2008 (Non-BO)	6.29			6.29	4.72
	Rancho San Julian concrete apron - upstream	-	3.42		3.42	2.57	
<i>Nojoqui Creek</i>	Confluence - Hwy 101 culvert	Hwy 101 culvert / proposed removal from BO (BO)	5.62			5.62	2.81
	Hwy 101 culvert - Nojoqui Falls	Nojoqui Falls / natural barrier (Natural Barrier)	2.26			2.26	1.13
<i>Quiota Creek</i>	Confluence - Crossing 1	Crossing 1 / in design (BO)			1.82	1.82	0.91
	Crossing 1 - Crossing 2	Crossing 2 / in design (Non-BO)		0.66		0.66	0.50
	Crossing 2 - Crossing 3	Crossing 3 / in design (BO)	0.05			0.05	0.05
	Crossing 3 - Crossing 4	Crossing 4 / in design (BO)	0.10			0.10	0.10
	Crossing 4 - Crossing 5	Crossing 5 / in design (BO)	0.13			0.13	0.13
	Crossing 5 - Crossing 6	Crossing 6 / fixed 2008 (Non-BO)	0.03			0.03	0.03
	Crossing 6 - Crossing 7	Crossing 7 / in design (BO)	0.05			0.05	0.05
	Crossing 7 - Crossing 8	Crossing 8 / in design (Non-BO)	0.08			0.08	0.08
	Crossing 8 - Crossing 9	Crossing 9 / in design (BO)	0.29			0.29	0.29
	Crossing 9 - upstream	-	1.17	1.56	2.72	1.94	
<i>Hilton Creek</i>	Confluence - Cascade Chute	Cascade Chute / fixed 2005 (BO)	0.28			0.28	0.28
	Cascade Chute - Hwy 154 culvert	Hwy 154 culvert / proposed removal from BO (BO)	0.53			0.53	0.53
	Hwy 154 culvert - upstream	-	1.43			1.43	1.43

III. Results

The results of the weighted habitat value scores (Table 6) were aggregated by watershed for the tributary projects in the BO (Table 7) and for those not in the BO (Table 8). Since El Jaro Creek is a tributary to Salsipuedes Creek, the two streams were tabulated as one watershed.

Table 7: Cumulative weighted habitat values for completed BO projects, those yet to be completed, and those projects proposed for removal from the BO by tributary watershed.

Tributary (Creek)	Completed BO Projects	Pending BO Projects	Remove from BO Projects	Total
<i>Salsipuedes / El Jaro</i>	5.27	-	-	5.27
<i>Nojoqui</i>	-	-	1.13	1.13
<i>Quiota</i>	-	2.79	-	2.79
<i>Hilton</i>	0.53	-	1.43	1.96
Total:	5.80	2.79	2.56	11.15

Table 8: Cumulative weighted habitat values for completed Non-BO projects and those yet to be completed for each BO tributary watershed.

Tributary (Creek)	Completed Non-BO Projects	Pending Non-BO Projects	Total
<i>Salsipuedes / El Jaro</i>	5.05	-	5.05
<i>Nojoqui</i>	-	-	-
<i>Quiota</i>	0.05	0.34	0.40
<i>Hilton</i>	-	-	-
Total:	5.11	0.34	5.45

To date, Reclamation has completed three BO tributary projects (Highway 1 Bridge on Salsipuedes Creek, Cross Creek Ranch on El Jaro Creek, and the Cascade Chute on Hilton Creek) for a cumulative weighted habitat value score of 5.80. Reclamation has also completed three Non-BO tributary projects (Jalama Road Bridge on Salsipuedes Creek, Rancho San Julian on El Jaro Creek, and Crossing 6 on Quiota Creek) which have a cumulative weighted habitat value score of 5.11. The completed tributary projects that were not part of the BO have a cumulative weighted habitat value score that far exceeds the score of the two projects that are proposed for removal from the BO (2.56). As a consequence, the cumulative weighted value score of all completed and anticipated tributary projects totals 14.04 (5.80, 2.79, 5.11, and 0.34) and exceeds the cumulative weighted habitat value score for all of the BO listed tributary projects which totals 11.15.

The weights for the habitat values (Good = 1.00, Fair = 0.75, and Poor = 0.50) were selected using professional judgment. To test the validity of that assumption, habitat values were run through a sensitivity analysis where the analysis was done using weights that were varied by increasing all habitat values by 0.1, 0.2, and 10%, decreasing all habitat values by 0.1, 0.2, and 10%, and varying just Fair and Poor by increasing and then decreasing each by 0.1 (Table 9). Although each weighted score scenario did vary the summation totals, the results were proportional to the amount added or subtracted from the original weights with no relative change to the overall results. The difference between the minimum and maximum calculated net gain to

the LSYR was 1.17 and the average across all tested scenarios was 2.89 which was the calculated net gain from the original weighted values. Since there was no relative change to the results and conclusions that would be drawn from the use of the original weighted score assignments, the conducted analysis was found to be adequate.

Table 9: Sensitivity analysis for weighted habitat values.

Summations	Weighted Score Scenarios:									
	Habitat Quality	Original	All + 0.1	All + 0.2	All - 0.1	All - 0.2	All + 10%	All - 10%	Fair&Good + 0.1	Fair&Good - 0.1
	<i>Good</i>	1.00	1.10	1.20	0.90	0.80	1.10	0.90	1.00	1.00
	<i>Fair</i>	0.75	0.85	0.95	0.65	0.55	0.83	0.68	0.85	0.65
	<i>Poor</i>	0.50	0.60	0.70	0.40	0.30	0.55	0.45	0.60	0.40
All listed BO Tributary Projects:		11.15	12.64	14.14	9.65	8.15	12.26	10.03	12.30	9.99
<i>Percent change from Original:</i>			13%	27%	-13%	-27%	10%	-10%	10%	-10%
Recommended (remove 2 add Non-Bo) Total:		14.04	15.83	17.62	12.25	10.46	15.44	12.64	15.43	12.65
<i>Percent change from Original:</i>			13%	25%	-13%	-25%	10%	-10%	10%	-10%
Net Gain to LSYR (Recommended minus All):		2.89	3.19	3.48	2.60	2.31	3.18	2.60	3.13	2.66

The County of Santa Barbara was identified in the LSYR Fish Management Plan (FMP) (SYRTAC 2000) and the EIR/EIS for the LYSR BO and FMP (COMB and USBR 2004) as the lead agency for carrying out the steelhead passage improvement at Crossings 2, 6 and 8 on Quiota Creek. However, the County subsequently declined to participate in these passage barrier fixes. Consequently, although not required by the BO, Reclamation decided to also complete these projects as well as the other Non-BO projects described above. Reclamation’s decision to do so is based in part upon recognition of the great difficulties in implementing two of the BO tributary projects: the Highway 101 Culvert Project on Nojoqui Creek and the Highway 154 Culvert Project on Hilton Creek. The former project is plagued with legal difficulties related to the landowner; the latter is proposed for removal due to its infeasibility, significant cost, and low steelhead habitat benefit. No rainbow trout or steelhead have been sighted above the Highway 101 barrier since the LSYR monitoring program began.

IV. Conclusions

Reclamation requests removing the Highway 101 Culvert Project on Nojoqui Creek (1.13) and the Highway 154 Culvert Project on Hilton Creek (1.43) from the list of BO tributary projects (Table 10). Together, these projects have a cumulative weighted habitat value score of 2.56. Reclamation proposes substituting for these two projects the fish passage projects already completed but not in the BO which have a cumulative weighted habitat value score of 5.11. The two pending Non-BO tributary projects on Quiota Creek that are planned for completion have a cumulative weighted score of 0.34, which results in a total cumulative score for these Non-BO projects of 5.45. Substituting these projects for the two projects proposed for removal would result in a net gain in weighed habitat value of 2.89 for the LSYR.

Reclamation requests that NMFS consider this tributary trade-off proposal for: 1) the additional habitat gained to assist steelhead recovery in the LSYR; and 2) to compensate for the delay in implementing all of the tributary projects by 2005 as specified in the BO (Table 1). This proposal is consistent with the guidelines in the draft Southern California Steelhead Recovery Plan (NMFS 2009) that assigned the Santa Ynez River watershed Core 1 status and identified

tributary impediments as Action Rank 1A under the culvert and road crossing threats abatement criteria within the Plan.

Table 10: Reclamation’s recommendations for tributary project trade-offs.

Tributary Project Trade-off Recommendation	Cumulative Weighted Habitat Value Score
All listed BO Tributary Projects:	11.15
(Table 1)	
Remove 2 BO Tributary Projects (HC Hwy 154 Culvert and NC Hwy 101 Culvert)	2.56
Sub-Total:	8.59
Add Completed and Pending Non-BO Tributary Projects (QC Crossings 2, 6 & 8, SC Jalama Road Bridge, and EJC Rancho San Julian)	5.45
TOTAL:	14.04
Net Gain to LSYR:	2.89

Reclamation and CCRB/ID#1 are working together to complete the remaining tributary projects as soon as possible, pending grant funding. Reclamation will continue to carry out tributary project implementation as determined during the March 26, 2009 site visit.

V. References:

Bureau of Reclamation (Reclamation). 2000. Revised Section 3 (Proposed Project) of the Biological Assessment for Cachuma Project Operations and the Lower Santa Ynez River. Prepared for the National Marine Fisheries Service, U.S. Bureau of Reclamation, Fresno, CA.

Cachuma Conservation and release Board and Santa Ynez River Water Conservation District-Irrigation District Number One (CCRB/SYRWCD-ID#1). 2007. Quiota Creek Watershed Passage Enhancement Plan. Cachuma Conservation Release Board and the Santa Ynez River Water Conservation District ID#1, prepared with assistance from HDR\FISHPRO.

California Department of Fish and Game (CDFG). 2003. California Salmonid Stream Habitat Restoration Manual, Part IX - Fish Passage Evaluation at stream crossings. Prepared by Michael Love and Ross Taylor, (CDFG) California Department of Fish and Game.

Cachuma Operation and Release Board (COMB) and Bureau of Reclamation (Reclamation). 2004. Final program and project specific environmental impact report / environmental impact statement, Lower Santa Ynez River Fish Management Plan and Cachuma Project Biological Opinion for southern steelhead trout. Prepared by URS Corporation for the Cachuma Operation and Maintenance Board and United States Bureau of Reclamation, Department of the Interior.

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

National Marine Fisheries Service (NMFS). 2009. Southern California Steelhead Recovery Plan, public review draft version. National Marine Fisheries Service, Long Beach, CA.

Santa Ynez River Technical Advisory Committee (SYRTAC). 1999. Adult steelhead passage flow analysis for the Santa Ynez River. Memo prepared for the Santa Ynez River Consensus Committee.

Santa Ynez River Technical Advisory Committee SYRTAC. 2000. Lower Santa Ynez River Fish Management Plan. Santa Ynez River Technical Advisory Committee, prepared for the Santa Ynez River Consensus Committee, Santa Barbara, CA.



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.”

September 28, 2015

Interim General Manager Report

The following summary will provide the Board with information and an overview of progress on current COMB activities.

Board Administration

- Director Handbook

The Director Handbook is currently under development for consideration by the Board. The purpose of the Director Handbook is to provide an understanding of the roles and responsibilities of current and future Directors as they serve on the COMB Board. The draft Director Handbook will be presented for Board approval following review and consideration through the Administrative Committee process.

- Board and Administrative Policy Development

Board and Administrative Policies are being developed for review by the Administrative Committee prior to incremental review and approval by the Board. The objective for creating a policy manual is to formulate guidelines for organizational governance and authorities, and to communicate objectives established by the Board. These policies will be created to ensure that all federal, state, and local laws, rules, and regulations with regard to COMB contractual obligations have been met and are handled in a manner that is consistent with excellence in the stewardship of agency funds.

General Manager Recruitment Process

A draft recruitment profile is under development by Bob Murray and Associates. Once received, the draft profile, as requested by the Board President, will be provided to the Directors of the Administrative Committee for a first cut review, but will be made available to any Board Member at their request.

Financial

- 1st Quarter Budget Assessments

The first quarter budget assessments have been submitted to the Member Agencies and included adjustments such as the Fiscal Year 2013-14 constructive return, reconciliation of FY 2014-15 assessments related to the Emergency Pumping Facilities Project, 3rd and 4th quarter EPFP loan interest costs, and a reduction for the Office Building replacement project reflective of the budget discussion held in May 2015.

- Annual Water Rates Worksheets

The USBR Regional Office notified staff that the annual water rate worksheets necessary to complete the billing for entitlement will be emailed to COMB in approximately two weeks. Normally, the 1st period entitlement payment is due by October 1st of each year. Due to a prolonged review process, the payment due date has been extended out two months by the USBR.

- Bradbury and Lauro SOD payments

The annual Bradbury and Lauro SOD Act contract payments are due to Reclamation on October 9, 2015. The amortized repayment schedule for these contracts are bifurcated into two components – Municipal and Industrial (M&I) and Irrigation payments which intentionally contain semi-concurrent schedules.

For example, the Bradbury M&I repayment (\$164,870) is scheduled from 2002 until 2026. The Irrigation component (\$96,778) is scheduled from 2016 until 2051. The same holds true for the Lauro SOD Act contract repayment components. The M&I annual repayment is scheduled from 2008 until 2032. The Irrigation repayment is scheduled from 2016 until 2057.

These contracts contemplate an increase in payments from 2016 through 2026 (Bradbury-\$96,778) and 2016 through 2032 (Lauro-\$10,823) respectively. This information will be provided accordingly to the Member Agencies for future budget consideration.

Operations Division

- USBR Site Inspection – North Portal Elevator (Category 1)

The Bureau of Reclamation (Fresno Field Office) conducted a final field inspection of the North Portal Elevator on August 27, 2015. This item was listed as a category one priority and has been permitted by the State since July 2015. Staff anticipates the final inspection report will be received sometime in the fall.

- Right-of-Way Project

The Right-of-Way Project (ROW) intends to identify and make current USBR easement information relative to assets, structures and affected landowners. The project involves two parallel tasks: first, the reconciliation of recorded land owner information with easement parcels, and second, the GIS mapping of the easement to identify USBR asset structures and existing encroachments.

Land title documentation has, with very few exceptions, been compiled and organized by easement location (west to east) along the South Coast Conduit. Updated county parcel data has been added and a means of updates for the future established with the county. This data gives us the most current owner contact information and parcel location for all the land held in easement by the USBR.

A map showing all easements has been created with attributes that will show information relevant to each easement. This map still needs to be adjusted to better fit the county parcel information to ensure accurate location of the easements and should be accomplished with the help of a surveyor and possibly the county. A process for producing simple maps of single land parcels and the location of the easement has been created to facilitate communication with individual land owners. A notification letter is intended to be sent to all land owners whose land contains USBR easements to let them know of its existence. Historic records relating to each easement have started to be scanned and organized for both archival purposes and as a readily available reference.

- Infrastructure Improvement Plan Projects

Request for proposals for the air-vacuum, air release valve (AVAR) replacement/relocation and blow-off (BO) riser pipe replacement project are currently under development by staff and will be submitted to various qualified engineering firms during the next few weeks.

- Drought Emergency Pumping Facility Project (EPFP)

The EPFP was placed into operational mode on Monday, August 24th, slightly earlier than expected due to the 89-18 Water Rights releases. During the first two weeks of operations, the pumps operated incrementally until the lake level declined to the point where the contractor commenced with automatic pumping to meet demand. Coordination between Cater Water Treatment Plant, Corona Del Mar Water Treatment Plant and COMB has been ongoing, with communication on water quality / pumping status occurring on a daily basis.

For the month of September, demand has averaged approximately 19 MGD or 59 AF per day with two to three of the pumps operating at various demand times.

- USBR Grant Funding for EPFP PGE Costs

PGE costs for EPFP electrical service are currently under contract and being paid for by grant funding under the Emergency Drought Relief Project through the Bureau of Reclamation. The delivery order with PGE is written for a maximum expenditure of \$300,000 during the twelve month period from January 23, 2015 to January 22, 2016. A grant contract extension request for an additional one year period has been submitted to the Bureau and is currently under evaluation. The COMB PGE electrical services budgeted amount of \$240,000 will be expended once the \$300,000 grant funding is exhausted. It is likely that the budgeted amount for FY 2016 will not be entirely expended.

- Shutdown of Pumping Facilities System

On Thursday, September 10th, Cushman Contracting performed an eight hour shutdown of the Pumping Facilities System in order to repair a broken seal at the bottom of the intake tower appendage. Divers were engaged to perform the necessary repair to the appendage and the restoration of the system was completed without difficulty. Operational coordination of the event was previously arranged with Cater and Corona Del Mar Treatment Facilities by COMB staff. The field report prepared by Cushman Contracting is attached.

Fisheries Division

- Water Rights Releases Termination

Notification was received from Bruce Wales at the Parent District that the ramp-down of the WR 89-18 Water Rights release would commence on Monday, September 21st. The ramp-down was scheduled to proceed over several days and would be terminated by the end of the week. The required WR 89-18 RPM 6 monitoring will be concluded by the second week in October.

CUSHMAN CONTRACTING CORPORATION
FIELD REPORT

LAKE CACHUMA EMERGENCY PUMPING FACILITY
(GATE SEAL MODIFICATION)

NEED FOR SHUTDOWN:

The need for the shutdown on September 10 2015 was to inspect the inlet box at gate 5 for a possible leak and to install bronze inserts in the stem guides per change order # 9.

WORK PERFORMED:

- Mobilize crew and equipment.
- Removal of gate 5 fish screen.
- Underwater dive inspection.
- Installation of modified gate seal.
- Installation of bronze inserts.
- Start pumping system.
- Demobilize crew and equipment.

SUMMARY:

Cushman Contracting Corp. started at 7:00am by closing gate and removing the fish screen at Gate 5. This allowed the dive team safe access into the inlet box. A diver was sent down to inspect the box; this revealed that the neoprene pad was dislodged. CCC then proceeded with the installation of the new modified gate seal. This included drilling and anchoring a stainless steel plate to the intake tower floor. After the seal was installed focus was directed to the installation of the bronze inserts on the stem guides. When work was finished on the inserts Gate 5 was exercised to confirm correct installation. Next the gate seal was tested by both CCC and COMB flow meters reading the same MGD'S after both the pumping barge and intake structure were in full operation. All work performed at the tower was complete in an 8hr day.

EMERGENCY PUMPING FACILITY PROJECT FY 2015/2016

Attachment A

AS OF: 8/31/2015

FY 15/16 APPROVED BUDGET

Emergency Pumping Facility Project ACCT #6120 2,709,250.00

Total Budget Approved **\$ 2,709,250.00**

FY 14/15 Unexpended funds (*unapproved projected*) -

\$ 2,709,250.00 Total funds available FY 15/16

FY 14/15 EMERGENCY PUMPING FACILITY PROJECT				
CONSULTANTS	BUDGET	EXPENDED	BALANCE	Description
Cushman Contracting	3,818,000.00	3,818,976.13	(976.13)	Construction - Phase II/Operations
HDR Engineering	150,000.00	71,618.52	78,381.48	Contract Management tasks
Musick, Peeler & Garrett	-	22,609.00	(22,609.00)	Legal costs
PGE Construction	750,000.00	111,907.00	638,093.00	
PGE Monthly Costs	240,000.00	9,631.02	230,368.98	Electricity charges
PGE Monthly Costs	-	2,500.00	(2,500.00)	Deposit-pump station location #2 eng.
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	-	60,120.92	(60,120.92)	Loan fees/Interest (CVWD/GWD/MWD)
Misc	-	1,214.97	(1,214.97)	Materials, supplies, Permits, etc.
	\$ 4,958,000.00	\$ 4,125,565.36	\$ 832,434.64	

FY 15/16 EMERGENCY PUMPING FACILITY PROJECT				
CONSULTANTS	BUDGET	EXPENDED	BALANCE	Description
Cushman Contracting	2,219,250.00	159,300.00	2,059,950.00	Construction - Phase II/Operations
HDR Engineering	100,000.00	6,300.24	93,699.76	Contract Management tasks
PGE	150,000.00	-	150,000.00	PGE reconducting costs (6 mo's)
PGE	240,000.00	-	240,000.00	PGE electrical costs (6 mo's)
Musick, Peeler & Garrett	-	-	-	Legal costs
Bank of Santa Barbara	-	12,848.34	(12,848.34)	Loan fees/Interest (CVWD/GWD/MWD)
Misc	-	-	-	Materials, supplies, Permits, etc.
	\$ 2,709,250.00	\$ 178,448.58	\$ 2,530,801.42	

COMBINED FY 13/14; 14/15 & 15/16 Totals			
	<u>BUDGET</u>	<u>EXPENDED</u>	<u>BALANCE</u>
	\$ 8,653,250.00	\$ 5,750,146.19	\$ 2,903,103.81

QB Reconciliation	1,446,132.25	QB Total Expenditures FY 13/14
	4,125,565.36	QB Total Expenditures FY 14/15
	178,448.58	QB Total Expenditures FY 15/16
	\$ 5,750,146.19	

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: September 28, 2015
TO: Janet Gingras, Interim General Manager
FROM: Dave Stewart, Operations Division Manager
RE: **MONTHLY OPERATIONS DIVISION REPORT**

Operations

The Annual Work Plan sets forth all 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 August was 1,949.5 acre-feet, for an average daily flow of 62.9 acre-feet. Lake elevation was 682.59 feet at the beginning of the month and 674.49 feet at the end. Storage change decreased 9,516 acre-feet. CCWA wheeled 42.3 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 primary purpose of the weekly safety meetings is to continue education of staff on safe practices in the field and on-site. In the safety meetings, staff is urged to ask questions about the topic being discussed and to think of related examples. The discussion also includes how

the incident could have been prevented. Regular safety meetings help staff to constantly be aware of safety practices while on the job. The following topics were reviewed this past month:

- ✓ Ladder safety
- ✓ Slips, Trips, and Falls
- ✓ Cal/ OSHA heat advisory
- ✓ Heavy Equipment

COMB Operations Staff specifically performed the following activities:

- Pest control around the COMB offices/buildings, which was previously contracted out to Hydrex Pest Control. Applications of insecticide is being done on a bi-monthly basis.
- Landscaping around Lauro yard and offices, which was previously contracted out to Acorn Landscaping. Landscaping is being performed on a bi-monthly basis.
- Cleared vegetation and excess siltation from inside of the Lauro Reservoir debris basin in preparation for future rainfall events. Keeping this area clear of vegetation and silt ensures the proper function of this “debris basin”.
- Cleaned up a large tree limb that fell onto the dam face area of Carpinteria Reservoir
- Escorted Nick Zaninovich from the Bureau of Reclamation to the North Portal for the post-construction inspection of the elevator rehabilitation project.
- Completed some erosion prevention work around Ortega Reservoir in preparation for future rainfall events. This project included removal of silt around the headwall that surrounds the reservoir and installing wattle to direct storm water flow to designated drains and channels.
- Conducted an eight-hour shutdown of the Tecolote tunnel. The flow of water into the tunnel had to be stopped so that Cushman Contracting Corp. could complete a dive inspection around Gate 5. Following the dive inspection, repairs were conducted on the fabricated box that surrounds Gate 5 to ensure that no water seeps in or out of the tower during normal operations. (see photos)
- The annual valve exercising at the North Portal was completed by staff during the eight-hour shutdown of the Tecolote Tunnel. Valve exercising includes fully opening and closing of (3) valves in the North Portal valve chamber.
- Weed abatement was completed around the fence line of Lauro reservoir.
- Cleared silt, debris, and vegetation from around culverts on the inside of Lauro Reservoir in preparation of future rainfall events.
- Began the undertaking of repairing, re-designing and cleaning up all culverts at the Glen Anne site to prepare for future rainfall events. Most culverts direct storm water under dirt access roads to prevent erosion and possible shifting or slumping of these roads. Culverts and drop inlets need to remain in working order and clear of debris and vegetation.
- Operations staff encountered a bat infestation at Carpinteria control station and are currently researching a solution to humanely discourage the bats from taking up this location as a permanent dwelling.

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

Pictures

North Portal valve exercising



North Portal dive inspection/repairs



CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	September 28, 2015
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

SUBJECT: Quiota Creek Crossing 3 Fish Passage Improvement Project, Update

SUMMARY:

Project Description: A 53-foot prefabricated bottomless arched culvert with four wing walls is planned to replace the current concrete low flow crossing at Quiota Creek Crossing 3. The project will remove a fish passage barrier and open up unimpeded juvenile and adult fish passage for the endangered southern steelhead to NMFS designated critical habitat upstream. The project will also improve road safety and accessibility for the landowners and the public along S. Refugio Road.

Project Location: The nearest town is Santa Ynez. Quiota Creek Crossing 3 is located off of Hwy 246 via Refugio Road 4.5 miles south of Hwy 246. The road is closed at the project site.

Contractor: Peter Lapidus Construction (PLC); a construction contract was issued on 9/10/15 for \$482,610.

Design Engineer: Michael Garelo, HDR Fisheries Design Center.

Resident Engineer: Gino Filippin, Filippin Engineering.

County Engineers: Ron Bensel, Steven Manuel, Eric Pearson, Bert Johnson, and Jemmi Irabon.

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

Status	Time
Notice to Proceed	9/24/2015*
Construction start	9/24/2015*
Refugio Road closure	9/24/2015*
Contract Time (approximate to complete all work)	2 months
Completion Date	12/1/2015
Number of construction work days (WD**) (expected)	47
Elapsed Time (WD)	0
Remaining Time (WDs to complete all work)	47
Time Elapsed to Date (%)	0%
*Pending receipt of the County Encroachment Permit.	
**WD: Working Days as of the COMB Board meeting.	

Work Performed to Date: Pending receiving the County Encroachment Permit on 9/24/15, PLC will complete all clearing and grubbing, start importing required materials and begin excavations for the bridge foundation. ConTech will be fabricating the arch-bridge system at Pre-Con Products in Simi Valley; product delivery is expected during the 3rd week of October. COMB and County engineers will approve and supervise all phases of the construction. The pre-project condition (Figures 1 and 2) are presented below as Exhibits.

Work Projected for Next Month: Complete all streambed construction, bridge foundation installation and bridge installation. All stream work should be completed by the end of the month. Begin back-filling the arch-bridge and wing walls.

FINANCIAL IMPACT:

A summary of the estimate project budget (revenues) and the estimated costs/expenses to date are as follows:

Estimated Project Budget (Revenues)	Amount
CDFW grant	\$705,205
COMB services and overhead match	\$100,198
COMB operating expenses match	\$43,880
COMB construction match	\$50,000
Total:	\$899,283
Estimated Costs:	
COMB operating expenses (match)	\$43,880
COMB construction (match)	\$50,000
Construction Contractor bid (Eng. Est. \$533,100)	\$482,610
Contech prefabricated arch, delivery + tax	\$185,760
Total:	\$762,250

LEGAL CONCURRENCE:

COMB legal counsel has reviewed and approved the project.

ENVIRONMENTAL COMPLIANCE:

All permits have been obtained and are being followed.

COMMITTEE STATUS:

The Fisheries Committee has reviewed and recommended to the Board to approve the project.

RECOMMENDATION:

N/A

LIST OF EXHIBITS:

Construction photo:



Figure 1: Pre-project condition looking upstream.



Figure 2: Pre-project condition looking across the project area towards the north along S. Refugio Road.

CACHUMA OPERATION AND MAINTENANCE BOARD

BOARD MEMORANDUM

DATE: September 28, 2015
TO: Janet Gingras, Interim General Manager
FROM: Tim Robinson, Fisheries Division Manager
RE: MONTHLY FISHERIES DIVISION REPORT

HIGHLIGHTS:

- Quiota Creek Crossing 3 construction is expected to start by 9/24/15.
- Design modifications continue to be discussed for the Quiota Creek Crossing 0a+b Project at which point permits will be submitted.
- The CalTrans grant application for the Quiota Creek Crossing 8 Project is well underway.
- 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 Fisheries Division Report at the June meeting that has been broken out by categories.

LSYR Steelhead Monitoring Elements:

Thermograph Network: The thermograph network is deployed at the beginning of April and picked up at the end of December to record water temperatures at all designated locations within the LSYR mainstem and several tributaries. The thermograph network has been deployed in the LSYR mainstem and its tributaries. Thermographs are downloaded monthly and the results are summarized in the Annual Monitoring Report.

Lake Profiles: Lake Cachuma water quality measurements (temperature, dissolved oxygen concentration, total dissolved solids and turbidity) 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 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 the need to carefully monitor Lake Cachuma, lake profiles will be taken monthly throughout the year for the foreseeable future.

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.

WR 89-18 Release Monitoring: BO required monitoring for the WR 89-18 releases started at the beginning of August as requested by U.S. Bureau of Reclamation (USBR) and will continue until after the releases are stopped. WR 89-18 releases began on 8/3/14 at 8 AM and are conducted by the Santa Ynez River Water Conservation District in collaboration with USBR. As requested by USBR and approved by NMFS, migrant trapping was conducted at two locations (just downstream of the Stilling Basin and at the upper end of the Refugio Reach) for the first two weeks of the release (8/3/15 to 8/17/15). At both locations non-native warm water species were observed; only two *Oncorhynchus mykiss* were observed at the upper most trap that were most likely Hilton Creek fish that were milling around that flooded area near the confluence.

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 hopes to meet with the landowners soon to finalize design options at which point the designs will be submitted to NMFS/CDFW for their review. The permit process will begin upon design consent. The objective is to build the project in the fall of 2016.

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 four times to the County and twice to NMFS/CDFW for their review. Final design approval has been received from NMFS/CDFWs and County approval is expected by 9/24/15 at which point the County will issue the pending Encroachment Permit. Project construction will begin shortly thereafter. All other permits have been received. The objective is to build the project in the fall of 2015. A separate memo with project details has been prepared for this Board packet.

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 grant Technical Review Team visited the site on 6/17/15 and had no significant concerns with what was proposed. The results of that funding competition will be announced in the winter of 2016.

Quiota Creek Crossing 8: In collaboration with SB County and a hired consultant, Gerald Comati from COM3, we have started the CalTrans grant proposal process which is lengthy with many steps and includes an agreement between the County and COMB. That agreement will be coming to the COMB Board for approval soon. 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.

Salsipuedes Creek – Jalama Road Fish Ladder: On 5/19/15, fish passage engineers from CDFW and NMFS reviewed the submitted designs and agreement was reached on the preferred fix to this fish passage facility. Our design engineers are now finalizing the plans and preparing the engineer's estimate that will be submitted to CDFW who will then look for funding of this project. Pending funding, this project could go forward as soon as this fall.

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). USBR has issued the fourth

contract modification to the contractor to wrap up the remaining work to the system (electrical work and replacing the 10 inch valve with an actuator for system automation). The work should be completed soon and system testing is pending with no date set.

Table 1: List of HCWS repairs and upgrades as reviewed by USBR Management on 9/23/15.

#	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 ??)
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 2014, improved not perfect, work in progress
13	Negotiate a solution for independent CCWA delivery without connecting to the Outlet	CCWA, USBR, MJs +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 USBR is now using Project Yield to meet BO target flows. A WR 89-18 release began on 7/15/13 at 8 AM and ended on 12/2/13 at 2 PM and another WR 89-18 release began on 8/18/14 and ended on 11/11/14 at 8 AM. The current WR 89-18 release started on 8/3/15 at 8 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		13,172	
Total:	9,184	18,805	3,551
* Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013.			
** Values as of 8/31/15.			
*** 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 has submitted the 2012 Annual Monitoring Reports to the Management Team, Legal Team and USBR; comments have been received and are being incorporated and the next

version will be sent to the COMB Fisheries Committee for their review as soon as. The 2013 AMR is well underway and 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.

Hanson Environmental (Chuck Hanson) – BO compliance tasks and support.

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

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	September 28, 2015
Submitted by:	Tim Robinson and Scott Volan
Approved by:	Janet Gingras

SUBJECT: Lake Cachuma Oak Tree Restoration Program

SUMMARY:

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since January 1st, 2015 to the present (1/1/15 – 8/24/15, 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 inventory of all trees planted will be presented to the Lake Cachuma Oak Tree Committee at its next meeting as well as the 2015 Lakeshore Survey, which will set the mitigation number for 2015.

Table 1: Cachuma Oak Tree Program completed tasks since 1/1/15.

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

*November through March work included annual oak tree inventory

The planting of new oak trees (Year 7) during the fall of 2014 and winter of 2015 has been completed with 906 trees planted. Trees were planted at an approximate ratio of 90% Coast Live Oaks and 10% Valley Oaks. The Fisheries Division has already completed 5 1/2 full rounds of irrigation on the new oak trees, and will continue watering throughout the summer and fall as needed to ensure maximum survival of the new trees over the dry season. In the spring, COMB staff irrigated all of the older planted oak trees and will

complete another round of irrigation on those trees this fall. A full round of spring and fall watering is necessary due to the ongoing drought, ensuring the continued survival of all the planted oak trees.

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:

14-15 ENTITLEMENT

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

(All in rounded Acre Feet)

	MONTH					YTD
	TOTAL					TOTAL
WATER PRODUCTION:						
Cachuma Lake (Tec. Diversion)						15,332
Tecolote Tunnel Infiltration						1,225
Glen Anne Reservoir						0
Cachuma Lake (County Park)						23
State Water Diversion Credit						7,848
Bishop Ranch Diversion						100
Meter Reads						7,690
So. Coast Storage gain/(loss)						(65)
Total Production						16,580
Total Deliveries						15,573
Unaccounted-for						1,007
% Unaccounted-for						6.08%
	GWD	SB CITY	MWD	CVWD	SYRWCD	TOTAL
WATER USE:						
					I.D. #1	
M&I	494	687	119	67	3	1,369
Agricultural	179	0	37	98	0	313
TOTAL FOR MONTH	673	687	156	165	3	1,682
Same Mo/prev. yr	481	617	0	171	3	1,272
M&I Yr to date	2,814	2,764	119	324	24	6,044
Ag. Yr to date	1,129	0	37	412	0	1,577
TOTAL YTD	3,943	2,764	156	736	24	7,621
USAGE % YTD	58.5%	40.7%	18.8%	36.5%	30.2%	41.2%
Previous Year/YTD	6,091	8,538	1,171	2,376	30	18,206
Evaporation	0	48	146	0	63	257
Evaporation, YTD	186	416	648	22	324	1,596
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^	44	611	599	246	(1,500)	0
Transfers/Adjustment #	0	297	(297)	0	0	0
Passthrough H2O**	0	0	0	0	0	0
TOTAL AVAILABLE	7,058	7,821	4,273	2,076	1,150	22,378
REMAINING BALANCE	2,929	4,642	3,469	1,318	802	13,161

*** 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 July to Lake Cachuma were: MWD 0 AF; CVWD 0 AF
GWD 0 AF(Morehart 5 AF); City of S.B. 35 AF; and LaCumbre 0 AF; (Ratheon 0 AF).

^ Per SWP Exchange Agrmt GWD received 0 AF; MWD received 49 AF;
City of SB received 49 AF; and CVWD received 16 AF from ID#1 in August 2015.

Juncal transfer to City per annual agreement

CACHUMA OPERATION AND MAINTENANCE BOARD
WATER STORAGE REPORT

MONTH: **August 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	336.00 Feet
Water in Storage	25.99 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	546.70 Feet
Water in Storage	543.75 Acre Feet

ORTEGA RESERVOIR

Capacity at 460' elevation:	65 Acre Feet
Capacity at outlet at elevation 440':	0 Acre Feet
Stage of Reservoir Elevation	447.40 Feet
Water in Storage	20.78 Acre Feet

CARPINTERIA RESERVOIR

Capacity at 384' elevation:	45 Acre Feet
Capacity at outlet elevation 362':	0 Acre Feet
Stage of Reservoir Elevation	374.60 Feet
Water in Storage	22.63 Acre Feet

TOTAL STORAGE IN RESERVOIRS

	587.17 Acre Feet
Change in Storage	18.31 Acre Feet

CACHUMA RESERVOIR*

Capacity at 750' elevation:	184,121 Acre Feet
Capacity at sill of tunnel 660' elevation:	24,281 Acre Feet

Stage of Reservoir Elevation	674.49 Feet
Water in Storage	38,010 AF
Surface Area	1,090
Evaporation	1,178.3 AF
Inflow	1,007.7 AF
Downstream Release WR8918	7183.0 AF
Fish Release (Hilton Creek)	255.1 AF
Outlet	0.0 AF
Spill/Seismic Release	0 AF
State Project Water	40 AF
Change in Storage	-9,516 AF
Tecolote Diversion	1,949.5 AF

Rainfall: Month: 0.00 Season: 0.03 Percent of Normal: 100%

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. 8/31/15

Month	Approved Schedule Current Year		Carryover Previous Year		TOTAL WATER USED			WATER USED CHARGED TO CARRYOVER BALANCES				WATER USED CHARGED TO CURRENT ENTITLEMENT			
	M & I	Agr	Total	M & I	Agr	Total	Evap	Div	Acre-feet	M & I	AG	Allocation	M & I	Agr	Total
Oct	116	160	276	9	276	285	120	165	0	0	0	0	0	0	0
Nov	74	81	155	3	155	158	75	82	0	0	0	0	0	0	0
Dec	25	18	43	0	43	43	25	18	0	0	0	0	0	0	0
Jan	3	2	5	0	5	6	3	2	0	0	0	0	0	0	0
Feb	2	2	4	1	4	4	2	2	0	0	0	0	0	0	0
Mar	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0
Apr	0	0	0	2	0	2	2	0	0	0	0	0	0	0	0
May	0	0	0	2	0	2	1	1	0	0	0	0	0	0	0
Jun	0	0	0	2	0	2	1	1	0	0	0	0	0	0	0
Jul	37	51	88	3	58	61	26	35	0	0	0	12	17	29	
Aug	67	98	165	0	0	0	0	0	0	0	0	67	98	165	
Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	324	412	736	23											

STORAGE WATER			CONVERSIONS CURRENT SCHEDULE		
M & I	Agr	Month	M & I	Agr	Month
108	-108	Oct	0	0	Oct
75	-75	Nov	0	0	Nov
25	-25	Dec	0	0	Dec
3	-3	Jan	0	0	Jan
2	-2	Feb	0	0	Feb
0	0	Mar	0	0	Mar
2	-2	Apr	0	0	Apr
1	-1	May	0	0	May
1	-1	Jun	0	0	Jun
26	-26	Jul	0	0	Jul
0	0	Aug	0	0	Aug
		Sep			Sep

SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
Total	M&I	AG	Total	M&I	AG
564	12	552	564	633	1,266
Begin Bal					
ID#1 Ex +16	7	16		9	16
ID#1 Ex +35	15	35		20	35
ID#1 Ex +76	30	76		46	76
ID#1 Ex +62	27	62		35	62
ID#1 Ex +41	17	41		24	41
ID#1 Ex +16	9	16		7	16

REMAINING BALANCES			REMAINING BALANCES		
Total	M&I	AG	Total	M&I	AG
279	0	279	633	633	1,266
121	0	122	633	633	1,266
78	0	79	633	633	1,266
72	0	74	633	633	1,266
68	0	70	633	633	1,266
67	0	69	640	642	1,282
65	0	67	655	662	1,317
63	0	65	685	708	1,393
61	0	63	712	743	1,455
0	0	2	717	750	1,467
0	0	2	660	658	1,318

TOTAL 1,318

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

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

Contract Entity: **Goleta Water District**
 Last updated by C.O.M.B. 8/31/15

Month	Approved Schedule		Total	TOTAL WATER USED				WATER USED CHARGED TO CARRYOVER BALANCES				WATER USED CHARGED TO CURRENT ENTITLEMENT			
	Current Year	Previous Year		M & I	Agr	Evap	Div	Total	M & I	Agr	M & I	Agr	M & I	Agr	Total
	4195 2819			-----		-----		-----		-----		-----		-----	
Oct			803	567	236	47	803	850	600	250	0	0	0	0	0
Nov			596	423	172	18	596	613	436	178	0	0	0	0	0
Dec			145	110	35	5	145	150	114	37	0	0	0	0	0
Jan			0	0	0	6	0	6	5	1	0	0	0	0	0
Feb			0	0	0	11	0	11	8	3	0	0	0	0	0
Mar			0	0	0	21	0	21	15	6	0	0	0	0	0
Apr			42	32	10	29	42	71	54	17	0	0	0	0	0
May			648	453	194	32	648	680	476	204	0	0	0	0	0
Jun			473	334	139	17	473	417	295	123	0	0	51	21	72
Jul			565	401	164	0	0	0	0	0	0	401	164	565	
Aug			673	494	179	0	0	0	0	0	0	494	179	673	
Sep			0	0	0	0	0	0	0	0	0	0	0	0	
Total			3,945	2,814	1,130	186	186	2,819	2,142	677	2,935	1,260	4,195		

Month	STORAGE WATER		CONVERSIONS		SCHEDULES AND REVISIONS			
	M & I	Agr	M & I	Agr	M & I	AG	M & I	AG
	-----		-----		-----		-----	
Oct	0	0	0	0	0	0	0	0
Nov	0	0	0	0	0	0	0	0
Dec	0	0	0	0	0	0	0	0
Jan	0	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	36	8
May	-19	19	0	0	0	0	0	0
Jun	-123	123	0	0	0	0	0	0
Jul	3	-3	0	0	0	0	0	0
Aug	-3	3	0	0	0	0	0	0
Sep								
Total					2,819	2,142	677	4,195

Month	REMAINING BALANCES	
	M & I	AG

Oct	1,969	1,260
Nov	1,356	1,260
Dec	1,206	1,260
Jan	1,200	1,260
Feb	1,189	1,260
Mar	1,168	1,268
Apr	1,097	1,268
May	417	1,268
Jun	0	1,247
Jul	0	1,083
Aug	0	904
Sep	0	0
Total	2,929	2,929

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. 8/31/15

Month	Approved Schedule Current Year		Carryover Previous Year	TOTAL WATER USED			WATER USED CHARGED TO CARRYOVER BALANCES				WATER USED CHARGED TO CURRENT ENTITLEMENT		
	M & I	Agr		total	Evap	Div	Total	M & I	Agr	Allocation	M & I	Agr	Total
Oct	0	0	0	0	46	0	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	64	0	64	54	10			0	0	0
May	0	0	0	74	0	74	63	11			0	0	0
Jun	0	0	0	98	0	98	75	23			0	0	0
Jul	0	0	0	98	0	98	75	23			0	0	0
Aug	119	37	156	146	156	302	231	72			0	0	0
Sep	0	0	0								0	0	0
Total	119	37	156										

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

Month	CURRENT SCHEDULE		SCHEDULE AND REVISIONS		REMAINING BALANCES	
	M & I	Agr	M & I	Agr	M & I	Agr
Total	2,778	318	2,460	83	1,110	83
Begin Bal	2,732	318	2,419	83	1,110	83
Juncal transfer to City	2,707		2,396	83	813	83
ID#1 Ex +27	2,697		2,396	83	813	83
ID#1 Ex +64	2,683		2,384	83	813	83
ID#1 Ex +151	2,658		2,364	83	813	83
ID#1 Ex +184	2,610		2,324	86	837	86
ID#1 Ex +124	2,546		2,270	95	892	95
ID#1 Ex +49	2,472		2,207	114	1,024	114
	2,374		2,132	143	1,179	143
	2,276		2,057	162	1,284	162
	1,974		1,826	169	1,326	169
Total	2,732	318	2,419	83	1,110	83
Oct	311		2,396	83	813	83
Nov	301		2,396	83	813	83
Dec	299		2,384	83	813	83
Jan	294		2,364	83	813	83
Feb	286		2,324	86	837	86
Mar	276		2,270	95	892	95
Apr	265		2,207	114	1,024	114
May	242		2,132	143	1,179	143
Jun	219		2,057	162	1,284	162
Jul	147		1,826	169	1,326	169
Aug						
Sep						
Total	3,468					

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

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

Contract Entity: City of Santa Barbara
 Last updated by C.O.M.B. 8/31/15

Month	Approved Schedule Current Year	Carryover Previous Year	TOTAL WATER USED			WATER USE CHARGED TO CARRYOVER BALANCES				WATER USE CHARGED TO CURRENT ENTITLEMENT			
			M & I	Agr	total	Evap	Div	Total	M & I	Agr	Total	M & I	Agr
Oct	3725	3188	337	0	337	53	337	390	0	390	0	0	0
Nov			193	0	193	25	193	218	0	218	0	0	0
Dec			210	0	210	10	210	220	0	220	0	0	0
Jan			142	0	142	13	142	155	0	155	0	0	0
Feb			0	0	0	20	0	20	0	20	0	0	0
Mar			90	0	90	39	90	130	0	130	0	0	0
Apr			195	0	195	51	195	246	0	246	0	0	0
May			343	0	343	53	343	396	0	396	0	0	0
Jun			207	0	207	56	207	264	0	264	0	0	0
Jul			355	0	355	48	355	403	0	403	0	0	0
Aug			687	0	687	48	687	735	0	735	0	0	0
Sep			0	0	0	0	0	0	0	0	0	0	0
Total	3725	3188	2,760	0	2,760	416	416	416					

Month	STORAGE WATER		CONVERSIONS		CURRENT SCHEDULE		SCHEDULE AND REVISIONS	
	M & I	Agr	M & I	Agr	M & I	Agr	M & I	Agr
Oct	0	0	0	0	0	0	0	0
Nov	0	0	0	0	0	0	0	0
Dec	0	0	0	0	0	0	0	0
Jan	0	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	3,188	3,188
Begin Bal							3,188	3,188
Juncal transfer from MWD								297
ID#1 Ex +30								30
ID#1 Ex +72								72
ID#1 Ex +151								151
ID#1 Ex +185								185
ID#1 Ex +124								124
ID#1 Ex +49								49
Total							3,725	3,725

Month	REMAINING BALANCES	
	M & I	Agr
Oct	2,798	0
Nov	2,580	0
Dec	2,360	0
Jan	2,206	0
Feb	2,186	0
Mar	2,056	0
Apr	1,810	0
May	1,414	0
Jun	1,151	0
Jul	748	0
Aug	13	0
Sep		
Total	2,798	0
Begin Bal	2,798	0
Oct	2,580	0
Nov	2,360	0
Dec	2,206	0
Jan	2,186	0
Feb	2,056	0
Mar	1,810	0
Apr	1,414	0
May	1,151	0
Jun	748	0
Jul	13	0
Aug		
Sep		
Total	3,725	0

TOTAL 4,647

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. 8/31/15
 Contract Year: 10/1/14 to: 9/30/15

Month	Approved Schedule		Carryover	Previous Year	TOTAL WATER USED Acre-feet			WATER USE CHARGED TO CARRYOVER BALANCES Acre-feet			WATER USE CHARGED TO CURRENT ENTITLEMENT Acre-feet		
	Current Year	Schedule			1193	1457	M & I	Agr	Total	Evap	Div	Total	M & I
Oct					2	0	2	24	2	26	0	0	0
Nov					2	0	2	13	2	15	0	0	0
Dec					1	0	1	5	1	6	0	0	0
Jan					2	0	2	8	2	9	0	0	0
Feb					2	0	2	13	2	14	0	0	0
Mar					2	0	2	25	2	27	0	0	0
Apr					3	0	3	33	3	36	0	0	0
May					2	0	2	38	2	41	0	0	0
Jun					2	0	2	51	2	53	0	0	0
Jul					3	0	3	51	3	54	0	0	0
Aug					3	0	3	63	3	66	0	0	0
Sep					0	0	0				0	0	0
Total					23	0	23						

CONVERSIONS

STORAGE WATER	CURRENT SCHEDULE		Month
	M & I	Agr	
0	0	0	Oct
0	0	0	Nov
0	0	0	Dec
0	0	0	Jan
0	0	0	Feb
0	0	61	Mar
-111	0	111	Apr
-245.7	0	246	May
-247	0	247	Jun
0	0	0	Jul
0	0	0	Aug
0	0	0	Sep
Total	1193	1457	

SCHEDULE AND REVISIONS

Begin Bal	Total		M & I	Agr	Total
	M & I	Agr			
0	1,457	483	1,173	0	1,193
Ex cvwd-16/gwd-44/city-30/mwd-27	(56)			(61)	(117)
Ex cvwd-35/gwd-0/city-72/mwd-64	(60)			(111)	(171)
Ex cvwd-76/gwd-0/city-151/mwd-151	(132)			(246)	(378)
Ex cvwd-62/gwd-0/city-185/mwd-184	(184)			(247)	(431)
Ex cvwd-41/gwd-0/city-124/mwd-124	(94)			(195)	(289)
Ex cvwd-16/gwd-0/city-49/mwd-49	(2)	(48)	(64)	0	(2)
Total	1,457	483	1,173	0	1,193

COUNTY PARKS

A.F. Used	Total		M & I	Agr	Total
	M & I	Agr			
2.15	1,431	457	1,173	0	1,193
1.84	1,416	442	1,173	0	1,193
1.08	1,410	436	1,173	0	1,193
1.59	1,400	427	1,173	0	1,193
1.51	1,386	413	1,173	0	1,193
2.08	1,359	386	1,173	0	1,076
2.79	1,323	350	1,173	0	905
2.06	1,282	309	1,173	0	527
2.43	1,229	256	1,173	0	96
3.05	980	202	978	2	2
2.68	800	88	914	0	0
Total	1,431	457	1,173	0	1,193

*NOTE:

TOTAL 800

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

Contract Entity: Santa Barbara Co. Water Agency
 Last updated by C.O.M.B. 8/31/15

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

Month	Approved Schedule Current Year		Carryover Previous Year	TOTAL WATER USED			WATER USED CHARGED TO CARRYOVER BALANCES			WATER USED CHARGED TO CURRENT ENTITLEMENT				
	Month	Schedule		Use %	Acre-feet		Total	Evap	Allocation		Agr	Acre-feet		Total
					M & I	Agr			M & I	Agr		M & I	Agr	
		11572		10806										
Oct			7.14%	396	1,418	179	1,418	1,597	1,177	420	0	0	0	
Nov			4.59%	253	945	83	945	1,028	767	262	0	0	0	
Dec			1.92%	53	399	32	399	431	365	65	0	0	0	
Jan			0.85%	2	149	41	149	189	184	5	0	0	0	
Feb			0.34%	3	5	70	5	75	64	10	0	0	0	
Mar			1.02%	92	92	135	92	227	212	15	0	0	0	
Apr			1.87%	10	240	179	240	392	27	27	0	0	0	
May			5.33%	194	993	199	993	1192	977	216	0	0	0	
Jun			4.06%	139	683	224	611	835	688	147	51	21	72	
Jul			5.41%	215	1,011	199	416	615	558	58	413	181	594	
Aug			8.63%	314	1,683	257	845	1,102	1,032	72	561	277	838	
Sep				0										
Total		11572		1,579	7,619									

STORAGE WATER			CONVERSIONS			CURRENT SCHEDULE			SCHEDULE AND REVISIONS		
M & I	Agr	Month	M & I	Agr	Month	M & I	Agr	Month	M & I	Agr	Month
108	-108	Oct	0	0	Oct	8,285	2,720	Begin Bal	9,596	1,976	11,572
75	-75	Nov	0	0	Nov	0	0		0	0	0
25	-25	Dec	0	0	Dec	0	0		0	0	0
3	-3	Jan	0	0	Jan	0	0		0	0	0
2	-2	Feb	0	0	Feb	0	0		0	0	0
0	0	Mar	-61	61	Mar	0	0		41	(41)	(0)
2	-2	Apr	-111	111	Apr	0	0		82	(82)	(0)
-18	18	May	-245.7	245.7	May	0	0		181	(181)	0
-122	122	Jun	-247	247	Jun	0	0		183	(183)	0
29	-29	Jul	0	0	Jul	0	0		152	(152)	0
-3	3	Aug	0	0	Aug	(112)	(64)		98	14	112
		Sep	0	0	Sep	0	0		0	0	0
Total			6,040	1,579		10,806	2,720	Total	9,596	1,976	11,572

COUNTY PARKS			REMAINING BALANCES		
A.F. Used	M & I	Month	M & I	Agr	Total
2.15	7,216	Oct	9,209	2,192	11,572
1.84	6,524	Nov	8,181	1,855	11,572
1.08	6,184	Dec	7,750	1,765	11,572
1.59	6,003	Jan	7,561	1,757	11,572
1.51	5,941	Feb	7,486	1,745	11,572
2.08	5,729	Mar	7,259	1,730	11,572
2.79	5,339	Apr	6,841	1,701	11,572
2.06	4,344	May	5,649	1,503	11,572
2.43	3,534	Jun	4,814	1,478	11,500
3.05	3,005	Jul	4,004	1,196	11,101
2.68	1,922	Aug	2,787	1,063	10,375
		Sep			
Total			2,787	1,063	13,162

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

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

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

MONTH	DELVRD TO LAKE	CVWD		Delvd to SC	Evap	Spill	Delvd to SC	S.B. Stored	Delvd to SC	GWD Stored	Delvd to Lake	Evap/Spill	Delvd to SC	Delvd to Lake	LCMWC Stored	Evap/Spill	Delvd to SC	RSYS Stored	Delvd to Lake	Delvd to SC	MLC Stored	Delvd to Lake	Delvd to SC
		Stored	to Lake																				
2015																							
Bal. Frwd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January	833	0	0	0	765	5	104	363	0	470	201	0	269	0	561	3	44	0	0	0	0	0	0
February	789	0	0	0	650	7	107	366	0	423	492	2	130.1	0	510	5	46	0	0	0	0	0	0
March	1284	170	0	170	725	11	195.9	363	0	462	444	9	501	0	456	9	46	5	0	5	2	0	2
April	1152	192	0	192	807	18	231.4	428	0	193	0	11	626	0	434	11	11	5	0	5	3	0	3
May	658	108	0	108	762	23	258.7	305	0	0	0	0	0	0	413	13	8	5	0	5	3	0	3
June	371	0	0	0	507	30	224.7	366	0	0	0	0	0	0	390	16	6	0	0	0	5	0	5
July	306	0	0	0	186	21	299.6	306	0	0	0	0	0	0	368	16	6	0	0	0	0	0	0
August	40	0	0	0	0	12	174	35	0	0	0	0	0	0	340	24	5	0	0	0	5	0	5
September	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
November	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
Total	5433	470	0	455.7	14	850	128	1596	2532	0	1548	21	1,526	0	340	98	172	15	0	15	0	18	0



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



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

AIS INSPECTION PROGRAM LAUNCH DATA:

Cachuma Lake Recreation Area Launch Data -- AUGUST 2015		
Inspection Data		
Total Vessels entering Park	147	
Total Vessels launched	143	
Total Vessels Quarantined	4	3%
Returning with Boat Launch Tag	78	55%
New: Removed from Quarantine	*	
Kayak/Canoe: Inspected, launched	65	45%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
Quarantine Data		
Total Vessels Quarantined	4	
Quarantined 7 days	*	
Quarantined 14 days	*	
Quarantined 30 days	4	
Quarantine Cause		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	1	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	4	
Demographic Data		
Quarantined from infected county	1	
Quarantined from SB County	2	
Quarantined from uninfected co	1	

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.

* These conditions are no longer being tracked.

EARLY DETECTION MONITORING PROGRAM SUMMARY

Summary: No Dreissenid mussels were detected

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

Inspection Date and Time : 2015.08.26; 10:00 – 13:00 PDT

Method: 9 PVC/Cement Sampling Stations; 241 linear feet of line

Surveyors: Liz Gaspar (SBCO Parks Division), Carrie Culver, Ashley Stroud (Sea Grant).

Lake elevation: Max feet: 753.00, current: 675.91; Max acre-feet: 193,000, current: 39,579;

Current capacity: 20%