

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

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

Monday, November 27, 2017

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. **INTRODUCTION OF NEW STAFF MEMBER**
4. **CONSENT AGENDA** (*All items on the Consent Agenda are considered to be routine and will be approved or rejected in a single motion. Any item placed on the Consent Agenda may be removed and placed on the Regular Agenda for discussion and possible action upon the request of any Board Member.*)
Action: Recommend Approval of Consent Agenda by motion and roll call vote of the Board:
 - a. [Minutes of October 13, 2017 Special Board Meeting](#)
[Minutes of October 23, 2017 Regular Board Meeting](#)
 - b. [Investment of Funds](#)
 - Financial Reports
 - Investment Reports
 - c. [Review of Paid Claims](#)
5. **[PURCHASE OF REPLACEMENT FLEET VEHICLE](#)**
Action: Recommend approval by motion and roll call vote of the Board
6. **[GENERAL MANAGER REPORT](#)**
Receive information from the Interim General Manager on topics pertaining to COMB, including but not limited to the following:
 - Meetings
 - Administration Division
 - Operations Division
 - Fisheries Division
7. **[WATER RESOURCES ENGINEER REPORT](#)**
Receive information from the Water Resources Engineer, including but not limited to the following:
 - Lake Cachuma Elevation Projection Model
 - Water Accounting
 - Right-of-Way Program / GIS Update

- North Portal Intake Tower Conditions Assessment
- Tecolote Tunnel Inspection

8. **OPERATIONS DIVISION REPORT**

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

- Lake Cachuma Operations
- Operation and Maintenance Activities

9. **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

10. **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

11. **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

12. **DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING**

13. **[CLOSED SESSION]: CONFERENCE WITH LEGAL COUNSEL: EXISTING AND POTENTIAL LITIGATION**

- a. [Government Code Section 54956.9(d)(4)]
Name of matter: Protest of Member Agency re: Payment of Quarterly Assessments

14. **RECONVENE INTO OPEN SESSION**

[Government Code Section 54957.7]

Disclosure of actions taken in closed session, as applicable

[Government Code Section 54957.1]

- a. Protest of Member Agency re: Payment of Quarterly Assessments

15. **MEETING SCHEDULE**

- **December 18, 2017 at 2:00 P.M., COMB Office**
- **Board Packages Available on COMB Website www.cachuma-board.org**

16. **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 SPECIAL MEETING
of the
CACHUMA OPERATION AND MAINTENANCE BOARD
held at
3301 Laurel Canyon Road, Santa Barbara, CA
Friday, October 13, 2017**

1. Call to Order, Roll Call

The meeting was called to order at 1:30 p.m. by President Morgan who chaired the meeting. Those in attendance were:

Directors Present:

W. Douglas Morgan, Montecito Water District
Harwood 'Bendy' White, City of Santa Barbara
Polly Holcombe, Carpinteria Valley Water District
Lauren Hanson, Goleta Water District

Staff Present:

Janet Gingras, General Manager
Adriane Passani, Admin Asst. III/Bookkeeper

William Carter, General Counsel

Others Present:

2. Public Comment

There were no public comments.

3. [CLOSED SESSION]: Conference with Legal Counsel: Existing and Potential Litigation

The Board went into closed session at 1:31 p.m.

- a. [Government Code Section 54956.9(d)(4)]
Name of matter: Protest of Member Agency re: Payment of Quarterly Assessments

4. 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 2:25 p.m.

There were no reportable actions.

5. Meeting Schedule

- **October 23, 2017 Regular Board Meeting at 2:00 P.M., COMB Office**
- **Board Packages Available on COMB Website**
www.cachuma-board.org

6. COMB Adjournment

There being no further business, the meeting adjourned at 2:26 p.m.

Respectfully submitted,

Janet Gingras, Secretary of the Board

APPROVED:

Doug Morgan, President of the Board

	<i>Approved</i>
✓	<i>Unapproved</i>

**MINUTES OF A REGULAR MEETING
of the
CACHUMA OPERATION AND MAINTENANCE BOARD
held at
3301 Laurel Canyon Road, Santa Barbara, CA
Monday, October 23, 2017**

1. Call to Order, Roll Call

The meeting was called to order at 2:01 p.m. by President Morgan who chaired the meeting. Those in attendance were:

Directors Present:

W. Douglas Morgan, Montecito Water District
Harwood 'Bendy' White, City of Santa Barbara
Alonzo Orozco, Carpinteria Valley Water District
Lauren Hanson, Goleta Water District

Staff Present:

Janet Gingras, General Manager	Joel Degner, Water Resources Engineer
Edward Lyons, Administrative Manager/CFO	David Flora, Water Service Worker III Lead
Adriane Passani, Admin Asst. III/Bookkeeper	William Carter, General Counsel (by phone)

Others Present:

Kelly Dyer, City of SB Public Works	Tom Fayram, SB County Water Agency
Philip Walker, Santa Barbara resident	

2. Public Comment

Mr. Walker addressed the board regarding cost effectiveness for a fix based pumping structure. He also commented on the recent fires in the area and that PG&E uses steel poles within their high impact burn areas in the San Diego area. Additionally, he mentioned that Orville repair costs were higher than reported.

3. Consent Agenda

a. Minutes

- September 14, 2017 Special Board Meeting
- September 25, 2017 Regular Board Meeting

b. Investment of Funds

- Financial Reports
- Investment Reports

c. Review of Paid Claims

Ms. Gingras presented the Consent Agenda as provided in the board packet. Mr. Lyons highlighted specific items on the paid claims report to the Board, which included the annual payments made to the Bureau of Reclamation for the Safety of Dams (SOD) contracts for Lauro and Bradbury, and stated the member units were in turn assessed accordingly. Additionally, Mr. Lyons reported the annual payment made to ACWA/JPIA for general liability insurance. Ms. Gingras fielded questions from the Board. Director White moved to approve the consent agenda as presented. Seconded by Director Hanson; the motion passed by 5/0/1/1 vote:

Ayes: White, Hanson, Morgan

Nayes:

Absent: Walsh

Abstain: Orozco

4. Verbal Reports from Board Committees

- **Operations Committee Meeting – October 18, 2017:** Ms. Gingras presented the items and noted that each item will be an action on today's agenda or reported on within one of today's staff reports.
- **Administrative Committee Meeting – October 18, 2017:** Director Morgan presented the items and noted that the items will be discussed separately on today's agenda.

5. Unexpended Funds – Fiscal Year 2016-17

Ms. Gingras presented a cash basis analysis to the Board regarding unexpended funds for FY 2016-17. Historically, the method of return to the member agencies of unexpended funds is processed through the annual audit. Ms. Gingras proposed to return the funds for fiscal year 2016-17 to the member agencies, respectively. Director Orozco inquired as to if the unexpended funds can be used in other areas through COMB. Ms. Gingras responded that the budget assessments for the current fiscal year have been appropriately assessed. Director Hanson moved to approve the return of unexpended funds to each member agencies. Seconded by Director White, the motion passed by 5/1/1/0 vote as follows:

Ayes: White, Hanson, Morgan

Nayes: Orozco

Absent: Walsh

Abstain:

6. Financial Review – 1st Quarter Fiscal Year 2017-18

Ms. Gingras introduced the item as incorporated in the board packet. Mr. Lyons followed with an explanation of the new quarterly financial report that provides the financial performance and activity review for the fiscal year to date. Mr. Lyons gave a detailed overview of the three categories listed within the report and requested to field questions from the Board. Ms. Dyer inquired as to any consideration for a reserve policy. Director White mirrored Ms. Dyer's comments and the concern of timing issues to secure funding in the event of an emergency. Ms. Gingras commented in response that the member agencies have a reserve policy in place, for which COMB can approach the Board for consideration of use if an emergency arises. She also

stated that COMB is currently working on a revision of the Fiscal Policy where there is discussion of an operational reserve.

7. Whittier Fire Potential Impacts and Preparations

Mr. Degner presented the report as incorporated in the board packet, and provided insight on FEMA funding requirements as it relates to disaster funding, as well as information regarding historical Bathymetric surveys and sedimentation impacts for Lake Cachuma. Mr. Degner discussed the potential of sedimentation build up around the North Portal Intake Tower due to the effected burned area within the watershed caused by the Whittier Fire, and the preparations by COMB staff to monitor and mitigate the potential harmful impacts. Mr. Degner fielded questions from the Board.

Mr. Fayram included information regarding debris protection and the possibility of crew assistance for COMB in order to lower cost estimates. Mr. Fayram mentioned a meeting between the appropriate agencies scheduled for October 31st, for further discussion on related water quality issues.

8. General Manager Report

- Meetings
- Administration
- Operations Division Activities
- Fisheries Division Activities

Ms. Gingras presented topics within her report as incorporated in the board packet and facilitated discussion related to the continued conversation with US Bureau of Reclamation (USBR) staff regarding the 2018 Cachuma Project Water rates, ACWA/JPIA's Workers Compensation, Liability, and Property Risk Assessment, as well as upcoming operational projects. Ms. Gingras requested to field questions from the Board.

9. Operations Division Report

- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. Flora presented the report on behalf of Operations Division Manager, Mr. Stewart, and gave a detailed summary of the Division's tasks and objectives for the month. Mr. Flora fielded questions from the Board.

10. Fisheries Division Report

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

Mr. Robinson presented the items as incorporated in the board packet, highlighting the Hilton Creek Watering System as well as Downstream water rights releases which began on

8/21/2017. Mr. Robinson offered further detail on recent Fisheries Division activities, including the lengthy report provided to the Board outlining the efforts with the dewatering of the Stilling Basin project, and fielded questions from the Board.

11. Progress Report on Lake Cachuma Oak Tree Program

- Maintenance and Monitoring

Mr. Robinson updated the Board on the progress of the Oak Tree Program, as presented in the board packet, and fielded questions from the Board.

12. Monthly Cachuma Project Reports

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

Ms. Gingras reviewed the monthly water reports as included in the board packet, and noted information received regarding the downstream releases continuing through early to mid-November. Mr. Gingras fielded questions from the Board.

13. Directors' Request for Agenda Items for Future Meeting

- Director Orozco requested to be kept in the loop with the inquiries and new information from the USBR in regards to FYE 2015 and 2016 deficits, and the 2018 Cachuma Project Water Rates.

14. [CLOSED SESSION]: Conference with Legal Counsel: Existing and Potential Litigation

The Board went into closed session at 4:15 p.m.

- a. [Government Code Section 54956.9(d)(4)]
Name of matter: Protest of Member Agency re: Payment of Quarterly Assessments

15. RECONVENE INTO OPEN SESSION

[Government Code Section 54957.7]
Disclosure of actions taken in closed session, as applicable
[Government Code Section 54957.1]

The Board came out of closed session at 4:20 p.m.

There was no reportable action.

16. Meeting Schedule

- **November 27, 2017 at 2:00 P.M., COMB Office**
- **Board Packages Available on COMB Website**
www.cachuma-board.org

17. **COMB Adjournment**

There being no further business, the meeting adjourned at 4:21 p.m.

Respectfully submitted,

Janet Gingras, Secretary of the Board

APPROVED:

Doug Morgan, President of the Board

	<i>Approved</i>
✓	<i>Unapproved</i>

Cachuma Operation Maintenance Board
Statement of Net Position
As of October 31, 2017
UNAUDITED FINANCIALS

ASSETS

Current Assets

Checking/Savings

Trust Funds

1210 - Warren Act Trust Fund 1,081,070.52

1220 - Renewal Fund 10,215.61

Total Trust Funds 1,091,286.13

1050 - General Fund 507,271.88

1100 - Revolving Fund 71,282.89

Total Checking/Savings 1,669,840.90

Accounts Receivable

1320 - Qrtly Assessments Receivable 927,416.00

1325 - Bank Loan Receivable - EPFP 25,747.24

Total Accounts Receivable 953,163.24

Other Current Assets

1010 - Petty Cash 500.00

1200 - LAIF 821,352.71

1303 - Bradbury SOD Act Assmnts Rec 190,101.00

1304 - Lauro Dam SOD Assesmnt Rec 29,472.92

1400 - Prepaid Insurance 19,432.72

Total Other Current Assets 1,060,859.35

Total Current Assets 3,683,863.49

Fixed Assets

1500 - Vehicles 411,918.76

1505 - Office Furn & Equipment 443,923.41

1510 - Mobile Offices 97,803.34

1515 - Field Equipment 563,100.87

1525 - Paving 38,351.00

1550 - Accumulated Depreciation -1,407,786.02

Total Fixed Assets 147,311.36

Other Assets

1910 - LT Bradbury SOD Act Assess Rec 4,875,720.07

1920 - LT Lauro SOD Act Assess Rec 865,427.91

1922 - Deferred O/F of Res (GASB 68) 148,586.00

Total Other Assets 5,889,733.98

TOTAL ASSETS 9,720,908.83

Cachuma Operation Maintenance Board
Statement of Net Position
As of October 31, 2017
UNAUDITED FINANCIALS

LIABILITIES & NET POSITION

Liabilities

Current Liabilities

Accounts Payable

2200 - Accounts Payable 41,263.21

Total Accounts Payable 41,263.21

Other Current Liabilities

2510 - Accrued Expenses 56,274.43

2550 - Vacation/Sick 143,385.84

2561 - Bradbury Dam SOD Act 190,111.66

2563 - Laura Dam SOD Act 29,472.92

2565 - Accrued Interest SOD Act 87,008.00

2567 - Loan Payable Current EPFP 402,389.08

2590 - Deferred Revenue 1,091,286.13

Total Other Current Liabilities 1,999,928.06

Total Current Liabilities 2,041,191.27

Long Term Liabilities

2602 - LT SOD Act Liability-Bradbury 4,669,662.51

2603 - LT SOD Act Liability - Lauro 823,806.62

2604 - OPEB LT Liability 907,923.00

2605 - Loan Payable Principal - EPFP 1,207,322.85

2610 - Net Pension Liability (GASB 68) 1,160,030.00

2611 - Deferred I/F of Res (GASB 68) 224,052.00

Total Long Term Liabilities 8,992,796.98

Total Liabilities 11,033,988.25

Net Position

3000 - Opening Bal Equity -1,357,356.05

3901 - Retained Net Assets -880,621.51

Net Income 924,898.14

Total Equity -1,313,079.42

TOTAL LIABILITIES & NET POSITION 9,720,908.83

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures
 Budget vs. Actuals July 2017 - Jun 2018

	Fisheries				Operations				TOTAL			
	Jul - Oct 17	Budget	\$ Over Budget	% of Budget	Jul - Oct 17	Budget	\$ Over Budget	% of Budget	Jul - Oct 17	Budget	\$ Over Budget	% of Budget
Revenue												
3000 REVENUE												
3001 · O&M Budget (Qtrly Assessments)	395,746.00	821,492.00	-425,746.00	48.17%	1,416,594.00	2,893,190.00	-1,476,596.00	48.96%	1,812,340.00	3,714,682.00	-1,902,342.00	48.79%
3006 · Warren Act	0.00	620,361.00	-620,361.00	0.0%	0.00				0.00	620,361.00	-620,361.00	0.0%
3009 · Pmts - Member Agencies - EPPF	0.00				115,862.56				115,862.56	0.00	115,862.56	100.0%
3010 · Interest Income	0.00				4,129.42				4,129.42	0.00	4,129.42	100.0%
3020 · Misc Income	12,141.74				275.13				12,416.87	0.00	12,416.87	100.0%
3035 · Cachuma Project Betterment Fund	0.00	90,000.00	-90,000.00	0.0%	0.00				0.00	90,000.00	-90,000.00	0.0%
3037 · Grant-QC Crossing #5	0.00	893,287.00	-893,287.00	0.0%	0.00				0.00	893,287.00	-893,287.00	0.0%
Total 3000 REVENUE	407,887.74	2,425,140.00	-2,017,252.26	16.82%	1,536,861.11	2,893,190.00	-1,356,328.89	53.12%	1,944,748.85	5,318,330.00	-3,373,581.15	36.57%
Total Revenue	407,887.74	2,425,140.00	-2,017,252.26	16.82%	1,536,861.11	2,893,190.00	-1,356,328.89	53.12%	1,944,748.85	5,318,330.00	-3,373,581.15	36.57%
Gross Profit	407,887.74	2,425,140.00	-2,017,252.26	16.82%	1,536,861.11	2,893,190.00	-1,356,328.89	53.12%	1,944,748.85	5,318,330.00	-3,373,581.15	36.57%
Expense												
3100 · LABOR - OPERATIONS	0.00				189,104.29	789,107.00	-600,002.71	23.96%	189,104.29	789,107.00	-600,002.71	23.96%
3200 VEH & EQUIPMENT												
3201 · Vehicle/Equip Mtce	0.00				14,321.00	30,000.00	-15,679.00	47.74%	14,321.00	30,000.00	-15,679.00	47.74%
3202 · Fixed Capital	0.00				0.00	15,000.00	-15,000.00	0.0%	0.00	15,000.00	-15,000.00	0.0%
3203 · Equipment Rental	0.00				1,058.73	5,000.00	-3,941.27	21.18%	1,058.73	5,000.00	-3,941.27	21.18%
3204 · Miscellaneous	0.00				2,621.13	5,000.00	-2,378.87	52.42%	2,621.13	5,000.00	-2,378.87	52.42%
Total 3200 VEH & EQUIPMENT	0.00				18,000.86	55,000.00	-36,999.14	32.73%	18,000.86	55,000.00	-36,999.14	32.73%
3300 · CONTRACT LABOR												
3301 · Conduit, Meter, Valve & Misc	0.00				2,006.64	20,000.00	-17,993.36	10.03%	2,006.64	20,000.00	-17,993.36	10.03%
3302 · Buildings & Roads	0.00				3,304.90	20,000.00	-16,695.10	16.53%	3,304.90	20,000.00	-16,695.10	16.53%
3303 · Reservoirs	0.00				0.00	30,000.00	-30,000.00	0.0%	0.00	30,000.00	-30,000.00	0.0%
3304 · Engineering, Misc Services	0.00				0.00	25,000.00	-25,000.00	0.0%	0.00	25,000.00	-25,000.00	0.0%
Total 3300 · CONTRACT LABOR	0.00				5,311.54	95,000.00	-89,688.46	5.59%	5,311.54	95,000.00	-89,688.46	5.59%
3400 · MATERIALS & SUPPLIES												
3401 · Conduit, Meter, Valve & Misc	0.00				888.97	65,000.00	-64,111.03	1.37%	888.97	65,000.00	-64,111.03	1.37%
3402 · Buildings & Roads	0.00				3,338.42	8,000.00	-4,661.58	41.73%	3,338.42	8,000.00	-4,661.58	41.73%
3403 · Reservoirs	0.00				0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
Total 3400 · MATERIALS & SUPPLIES	0.00				4,227.39	78,000.00	-73,772.61	5.42%	4,227.39	78,000.00	-73,772.61	5.42%
3500 · OTHER EXPENSES												
3501 · Utilities	0.00				2,503.52	7,000.00	-4,496.48	35.77%	2,503.52	7,000.00	-4,496.48	35.77%
3502 · Uniforms	0.00				175.00	5,000.00	-4,825.00	3.5%	175.00	5,000.00	-4,825.00	3.5%
3503 · Communications	0.00				6,645.01	18,000.00	-11,354.99	36.92%	6,645.01	18,000.00	-11,354.99	36.92%
3504 · USA & Other Services	0.00				753.30	4,000.00	-3,246.70	18.83%	753.30	4,000.00	-3,246.70	18.83%
3505 · Miscellaneous	0.00				2,094.82	8,000.00	-5,905.18	26.19%	2,094.82	8,000.00	-5,905.18	26.19%
3506 · Training	0.00				120.70	3,000.00	-2,879.30	4.02%	120.70	3,000.00	-2,879.30	4.02%
Total 3500 · OTHER EXPENSES	0.00				12,292.35	45,000.00	-32,707.65	27.32%	12,292.35	45,000.00	-32,707.65	27.32%
4100 · LABOR - FISHERIES	221,942.69	683,374.00	-461,431.31	32.48%	0.00				221,942.69	683,374.00	-461,431.31	32.48%
4200 · VEHICLES & EQUIP - FISHERIES												
4270 · Vehicle/Equip Mtce	6,718.32	15,000.00	-8,281.68	44.79%	0.00				6,718.32	15,000.00	-8,281.68	44.79%
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	2,668.17	2,500.00	168.17	106.73%	0.00				2,668.17	2,500.00	168.17	106.73%
Total 4200 · VEHICLES & EQUIP - FISHERIES	9,386.49	32,500.00	-23,113.51	28.88%	0.00				9,386.49	32,500.00	-23,113.51	28.88%

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures
 Budget vs. Actuals July 2017 - Jun 2018

	Fisheries				Operations				TOTAL			
	Jul - Oct 17	Budget	\$ Over Budget	% of Budget	Jul - Oct 17	Budget	\$ Over Budget	% of Budget	Jul - Oct 17	Budget	\$ Over Budget	% of Budget
4220 · CONTRACT LABOR - FISHERIES												
4221 · Meters & Valves	104.00	3,000.00	-2,896.00	3.47%	0.00				104.00	3,000.00	-2,896.00	3.47%
4222 · Fish Projects Maintenance	0.00	25,000.00	-25,000.00	0.0%	0.00				0.00	25,000.00	-25,000.00	0.0%
Total 4220 · CONTRACT LABOR - FISHERIES	104.00	28,000.00	-27,896.00	0.37%	0.00				104.00	28,000.00	-27,896.00	0.37%
4300 · MATERIALS/SUPPLIES - FISHERIES												
4390 · Miscellaneous	864.12	7,000.00	-6,135.88	12.35%	0.00				864.12	7,000.00	-6,135.88	12.35%
Total 4300 · MATERIALS/SUPPLIES - FISHERIES	864.12	7,000.00	-6,135.88	12.35%	0.00				864.12	7,000.00	-6,135.88	12.35%
4500 · OTHER EXPENSES - FISHERIES												
4502 · Uniforms	1,214.73	2,500.00	-1,285.27	48.59%	0.00				1,214.73	2,500.00	-1,285.27	48.59%
Total 4500 · OTHER EXPENSES - FISHERIES	1,214.73	2,500.00	-1,285.27	48.59%	0.00				1,214.73	2,500.00	-1,285.27	48.59%
4999 · GENERAL & ADMINISTRATIVE												
5000 · Director Fees	0.00				2,168.39	12,000.00	-9,831.61	18.07%	2,168.39	12,000.00	-9,831.61	18.07%
5001 · Director Mileage	0.00				135.76	1,000.00	-864.24	13.58%	135.76	1,000.00	-864.24	13.58%
5100 · Legal	0.00				11,227.30	75,000.00	-63,772.70	14.97%	11,227.30	75,000.00	-63,772.70	14.97%
5101 · Audit	0.00				4,018.90	21,625.00	-17,606.10	18.59%	4,018.90	21,625.00	-17,606.10	18.59%
5150 · Unemployment Tax	0.00				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				41,668.90	50,551.00	-8,882.10	82.43%	41,668.90	50,551.00	-8,882.10	82.43%
5310 · Postage/Office Exp	0.00				1,214.91	5,000.00	-3,785.09	24.3%	1,214.91	5,000.00	-3,785.09	24.3%
5311 · Office Equip/Leases	0.00				2,881.46	9,200.00	-6,318.54	31.32%	2,881.46	9,200.00	-6,318.54	31.32%
5312 · Misc Admin Expenses	0.00				2,986.55	8,600.00	-5,613.45	34.73%	2,986.55	8,600.00	-5,613.45	34.73%
5313 · Communications	0.00				2,980.13	8,500.00	-5,519.87	35.06%	2,980.13	8,500.00	-5,519.87	35.06%
5314 · Utilities	0.00				3,676.00	9,737.00	-6,061.00	37.75%	3,676.00	9,737.00	-6,061.00	37.75%
5315 · Membership Dues	0.00				7,614.10	8,500.00	-885.90	89.58%	7,614.10	8,500.00	-885.90	89.58%
5316 · Admin Fixed Assets	0.00				3,704.49	3,000.00	704.49	123.48%	3,704.49	3,000.00	704.49	123.48%
5318 · Computer Consultant	0.00				3,423.99	15,000.00	-11,576.01	22.83%	3,423.99	15,000.00	-11,576.01	22.83%
5325 · Emp Training/Subscriptions	0.00				1,198.60	2,000.00	-801.40	59.93%	1,198.60	2,000.00	-801.40	59.93%
5330 · Admin Travel/Conferences	0.00				122.34	2,000.00	-1,877.66	6.12%	122.34	2,000.00	-1,877.66	6.12%
5331 · Public Information	0.00				129.97	1,000.00	-870.03	13.0%	129.97	1,000.00	-870.03	13.0%
Total 4999 · GENERAL & ADMINISTRATIVE	0.00				89,151.79	237,713.00	-148,561.21	37.5%	89,151.79	237,713.00	-148,561.21	37.5%
5299 · ADMIN LABOR	0.00				170,554.80	568,370.00	-397,815.20	30.01%	170,554.80	568,370.00	-397,815.20	30.01%
5400 · GENERAL & ADMIN - FISHERIES												
5407 · Legal - FD	811.90	20,000.00	-19,188.10	4.06%	0.00				811.90	20,000.00	-19,188.10	4.06%
5410 · Postage / Office Supplies	622.94	4,000.00	-3,377.06	15.57%	0.00				622.94	4,000.00	-3,377.06	15.57%
5411 · Office Equipment / Leases	1,551.56	5,218.00	-3,666.44	29.74%	0.00				1,551.56	5,218.00	-3,666.44	29.74%
5412 · Misc. Admin Expense	2,398.98	5,610.00	-3,211.02	42.76%	0.00				2,398.98	5,610.00	-3,211.02	42.76%
5413 · Communications	2,061.65	4,305.00	-2,243.35	47.89%	0.00				2,061.65	4,305.00	-2,243.35	47.89%
5414 · Utilities	1,979.37	5,243.00	-3,263.63	37.75%	0.00				1,979.37	5,243.00	-3,263.63	37.75%
5415 · Membership Dues	5,204.90	5,500.00	-295.10	94.64%	0.00				5,204.90	5,500.00	-295.10	94.64%
5416 · Admin Fixed Assets	0.00	3,000.00	-3,000.00	0.0%	0.00				0.00	3,000.00	-3,000.00	0.0%
5418 · Computer Consultant	1,843.67	5,000.00	-3,156.33	36.87%	0.00				1,843.67	5,000.00	-3,156.33	36.87%
5425 · Employee Education/Subscription	645.40	2,500.00	-1,854.60	25.82%	0.00				645.40	2,500.00	-1,854.60	25.82%
5426 · Director Fees	1,167.60	6,500.00	-5,332.40	17.96%	0.00				1,167.60	6,500.00	-5,332.40	17.96%
5427 · Director Mileage	73.11	500.00	-426.89	14.62%	0.00				73.11	500.00	-426.89	14.62%
5430 · Travel	65.87	2,500.00	-2,434.13	2.64%	0.00				65.87	2,500.00	-2,434.13	2.64%

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures
 Budget vs. Actuals July 2017 - Jun 2018

	Fisheries				Operations				TOTAL			
	Jul - Oct 17	Budget	\$ Over Budget	% of Budget	Jul - Oct 17	Budget	\$ Over Budget	% of Budget	Jul - Oct 17	Budget	\$ Over Budget	% of Budget
5431 · Public Information	69.98	1,500.00	-1,430.02	4.67%	0.00				69.98	1,500.00	-1,430.02	4.67%
5441 · Audt	1,787.10	7,175.00	-5,387.90	24.91%	0.00				1,787.10	7,175.00	-5,387.90	24.91%
5443 · Liab & Property Ins	22,437.10	24,745.00	-2,307.90	90.67%	0.00				22,437.10	24,745.00	-2,307.90	90.67%
Total 5400 · GENERAL & ADMIN - FISHERIES	42,721.13	103,296.00	-60,574.87	41.36%	0.00				42,721.13	103,296.00	-60,574.87	41.36%
5499 · ADMIN LABOR-FISHERIES	58,526.82	225,470.00	-166,943.18	25.96%	0.00				58,526.82	225,470.00	-166,943.18	25.96%
5510 · Integrated Reg. Water Mgt Plan	0.00				4,766.00	5,000.00	-234.00	95.32%	4,766.00	5,000.00	-234.00	95.32%
6000 · SPECIAL PROJECTS												
6062 · SCADA	0.00				228.06	20,000.00	-19,771.94	1.14%	228.06	20,000.00	-19,771.94	1.14%
6090 · COMB Office Building	0.00				147.06	20,000.00	-19,852.94	0.74%	147.06	20,000.00	-19,852.94	0.74%
6096 · SCC Structure Rehabilitation	0.00				0.00	225,000.00	-225,000.00	0.0%	0.00	225,000.00	-225,000.00	0.0%
6097 · GIS and Mapping	0.00				4,718.19	10,000.00	-5,281.81	47.18%	4,718.19	10,000.00	-5,281.81	47.18%
6105 · ROW Management Program	0.00				0.00	20,000.00	-20,000.00	0.0%	0.00	20,000.00	-20,000.00	0.0%
6118 · Repair Lateral 3 Structure	0.00				3,041.49	100,000.00	-96,958.51	3.04%	3,041.49	100,000.00	-96,958.51	3.04%
6120 · Emergency Pumping Fac Project	0.00				29,978.31	223,000.00	-193,021.69	13.44%	29,978.31	223,000.00	-193,021.69	13.44%
6120-2 · EPPF UF FY 2016-17	0.00				0.00	-223,000.00	223,000.00	0.0%	0.00	-223,000.00	223,000.00	0.0%
6122 · Rehab San Antonio Crk Blow-off	0.00				0.00	35,000.00	-35,000.00	0.0%	0.00	35,000.00	-35,000.00	0.0%
6130 · NP Slope Stabilization	0.00				0.00	30,000.00	-30,000.00	0.0%	0.00	30,000.00	-30,000.00	0.0%
6132 · Sycamore Canyon Slope Stabiliz	0.00				825.00	300,000.00	-299,175.00	0.28%	825.00	300,000.00	-299,175.00	0.28%
6133 · Meter Replacement Project	0.00				0.00	100,000.00	-100,000.00	0.0%	0.00	100,000.00	-100,000.00	0.0%
6134 · N.P. IT/Control Bldg Seismic	0.00				0.00	100,000.00	-100,000.00	0.0%	0.00	100,000.00	-100,000.00	0.0%
6135 · SCC San Jose Creek Pipe Stabili	0.00				0.00	60,000.00	-60,000.00	0.0%	0.00	60,000.00	-60,000.00	0.0%
Total 6000 · SPECIAL PROJECTS	0.00				38,938.11	1,020,000.00	-981,061.89	3.82%	38,938.11	1,020,000.00	-981,061.89	3.82%
6200 · FISHERIES ACTIVITIES												
6201 · FMP Implementation	36,260.63	60,000.00	-23,739.37	60.43%	0.00				36,260.63	60,000.00	-23,739.37	60.43%
6202 · GIS and Mapping	5,060.25	10,000.00	-4,939.75	50.6%	0.00				5,060.25	10,000.00	-4,939.75	50.6%
6203 · Grants Technical Support	0.00	10,000.00	-10,000.00	0.0%	0.00				0.00	10,000.00	-10,000.00	0.0%
6204 · SYR Hydrology Technical Support	0.00	8,000.00	-8,000.00	0.0%	0.00				0.00	8,000.00	-8,000.00	0.0%
6205 · USGS Stream Gauge Program	26,412.50	100,000.00	-73,587.50	26.41%	0.00				26,412.50	100,000.00	-73,587.50	26.41%
6206 · Tri County Fish Team Funding	0.00	5,000.00	-5,000.00	0.0%	0.00				0.00	5,000.00	-5,000.00	0.0%
6207 · Oak Tree Restoration Program	3,853.73	40,000.00	-36,146.27	9.63%	0.00				3,853.73	40,000.00	-36,146.27	9.63%
Total 6200 · FISHERIES ACTIVITIES	71,587.11	233,000.00	-161,412.89	30.72%	0.00				71,587.11	233,000.00	-161,412.89	30.72%
6300 · HABITAT ENHANCEMENT												
6318 · Quiota Creek Crossing 9	3,612.99	30,000.00	-26,387.01	12.04%	0.00				3,612.99	30,000.00	-26,387.01	12.04%
6319 · Mission Creek at Hwy 192	0.00	30,000.00	-30,000.00	0.0%	0.00				0.00	30,000.00	-30,000.00	0.0%
6303 · Tributary Projects Support	0.00	20,000.00	-20,000.00	0.0%	0.00				0.00	20,000.00	-20,000.00	0.0%
6315 · Quiota Creek Crossing 8	0.00	60,000.00	-60,000.00	0.0%	0.00				0.00	60,000.00	-60,000.00	0.0%
6316 · Quiota Creek Crossing 5	56,057.14	960,000.00	-903,942.86	5.84%	0.00				56,057.14	960,000.00	-903,942.86	5.84%
6317 · Salsipuedes Fish Ladder Repair	0.00	10,000.00	-10,000.00	0.0%	0.00				0.00	10,000.00	-10,000.00	0.0%
Total 6300 · HABITAT ENHANCEMENT	59,670.13	1,110,000.00	-1,050,329.87	5.38%	0.00				59,670.13	1,110,000.00	-1,050,329.87	5.38%
7007 · INTEREST EXPENSE-EPPF	0.00				21,486.34				21,486.34	0.00	21,486.34	100.0%
Total Expense	466,017.22	2,425,140.00	-1,959,122.78	19.22%	553,833.47	2,893,190.00	-2,339,356.53	19.14%	1,019,850.69	5,318,330.00	-4,298,479.31	19.18%
Net Surplus/(Deficit)	-58,129.48	0.00	-58,129.48	100.0%	983,027.64	0.00	983,027.64	100.0%	924,898.16	0.00	924,898.16	100.0%

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

www.treasurer.ca.gov/pmia-laif/laif.asp
 November 13,
 2017

CACHUMA OPERATION AND MAINTENANCE BOARD

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

PMIA Average Monthly Yields


Account Number:

Tran Type Definitions

October 2017 Statement

Effective Date	Transaction Date	Tran Type	Tran Number	Confirm Number	Authorized Caller	Amount
10/13/2017	10/12/2017	QRD	1550232		SYSTEM	✓ 2,287.48
10/26/2017	10/25/2017	RW	1553241		EDWARD LYONS	✓ -1,200,000.00

Account Summary

Total Deposit:	2,287.48	Beginning Balance:	2,019,065.23 ✓
Total Withdrawal:	-1,200,000.00	Ending Balance:	821,352.71 ✓ 

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 October, 2017, 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

AMERICAN RIVIERA BANK RECEIVED

P.O. Box 329, Santa Barbara, California 93102
805-965-5942 www.americanrivierabank.com

NOV 13 2017



CACHUMA O & M BOARD

CACHUMA OPERATION AND MAINTENANCE BOARD
RENEWAL ACCOUNT
3301 LAUREL CANYON RD
SANTA BARBARA CA 93105-2017

Page 1

ACCOUNT ANALYSIS CHECKING

Account No
Statement Date 10/31/2017
Last Statement Date 09/29/2017

0	Statement Period		
Previous Balance	10,215.61 ✓	# Of Days-Stmt Period	32
0 Deposits/Credits	0.00		
0 Checks/Withdrawals	0.00	Average Balance	10,215.61
Ending Balance	10,215.61 ✓		
Total Srv Chg Today	0.00	YTD Interest	0.00

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 October, 2017, 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 American Riviera Bank investments of this agency for the period indicated.


Secretary

AMERICAN RIVIERA BANK

P.O. Box 329, Santa Barbara, California 93102
805-965-5942 www.americanrivierabank.com

RECEIVED

NOV 13 2017



CACHUMA O & M BOARD

CACHUMA OPERATION AND MAINTENANCE BOARD
WARREN ACCT TRUST FUND
3301 LAUREL CANYON RD
SANTA BARBARA CA 93105-2017

Page 1

ACCOUNT ANALYSIS CHECKING

Account No
Statement Date 10/31/2017
Last Statement Date 09/29/2017

1	Statement Period		
Previous Balance	937,149.52 ✓	# Of Days-Stmt Period	32
1 Deposits/Credits	143,921.00	Average Balance	1,027,100.15
0 Checks/Withdrawals	0.00	YTD Interest	0.00
Ending Balance	1,081,070.52 ✓		
Total Srv Chg Today	0.00		

Deposits

Date	Description	Amount
10/12/17	MERCHANT CAPTURE DEPOSIT	143,921.00 ✓

Daily Balance Summary

Date	Amount	Date	Amount
10/12/2017	1,081,070.52		

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 October, 2017, 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 American Riviera Bank investments of this agency for the period indicated.


Secretary

Cachuma Operation & Maintenance Board

Paid Claims

As of October 31, 2017

REVISED

Date	Num	Name	Memo	Amount
1050 - General Fund				
10/06/2017	25634	Aqua-Flo Supply	Couplings/PVC/Primer/Cement/Towels/HDPE pipe - North Portal culvert repair (Ops Div)	-403.50
10/06/2017	25635	Big Brand Tire Company	2 Rear tires-wheel alignment- 07' Ford F350 (Ops Div)	-292.11
10/06/2017	25636	Business Card	Waterproof phone cases (Ops Crew)/Domain name renewal/ Job postings (Admin Div)	-499.77
10/06/2017	25637	City of Santa-Barbara	Trash/Recycle-Sept 2017	-223.05
10/06/2017	25638	Culligan of Sylmar	Monthly RO system-Sept	-26.95
10/06/2017	25639	Cushman Contracting Corp.	Emerg Pumping System: Pay Req#41-Phase II	-7,000.00
10/06/2017	25640	ECHO Communications	Monthly answering service	-67.88
10/06/2017	25641	MarBorg Industries	Portable Toilets-outlying stations	-241.40
10/06/2017	25642	Musick, Peeler & Garrett LLP	General Counsel-August	-6,450.20
10/06/2017	25643	Nestle Pure Life Direct	Sept-6 gal disp. (PPE criteria)	-97.76
10/06/2017	25644	Paychex, Inc. (Payroll)	9/08 and 9/22/17 payrolls/taxes/deliveries	-346.20
10/06/2017	25645	Prudential Overall Supply	Mats/Scrapers - Sept	-150.84
10/06/2017	25646	Red Wing Shoe Store	Steel toe safety boots (Ops Div)	-175.00
10/06/2017	25647	Southern California Edison	Main office/Outlying stations	-1,968.34
10/06/2017	25648	Staples Credit Plan	Office supplies/Folders/Coffee/Water/Paper	-234.29
10/06/2017	25649	Tri-Co Reprographics	Bond, Monochrome, Stapling -QC Xng 5 (Fish Div)	-125.23
10/06/2017	25650	Tri-County Office Furniture	New desk unit (PO# 9621) (Ops Div)	-3,704.49
10/06/2017	25651	Underground Service Alert of So. Calif.	81 Ticket charges (Ops Div)	-143.65
10/06/2017	25652	Wells Fargo Vendor Fin Serv	Copier (6052 & 3051) lease agmt	-482.30
10/06/2017	25653	Wright Express Fleet Services	Fleet fuel	-2,160.42
10/18/2017	25654	American Fisheries Society	Member dues 2018 (Fish Div)	-105.00
10/18/2017	25655	American Riviera Bank (ARB)	Principal/Interest pymt #15-Oct	-28,123.75
10/18/2017	25656	Aqua-Flo Supply	HDPE pipe/Tie-Down Strap/Tubing/Adaptor - North Portal culvert repair (Ops Div)	-378.37
10/18/2017	25657	AT&T	Sept charges	-916.04
10/18/2017	25658	Bedrock Building Supplies	Sand/Sand bags-Sycamore Canyon (Ops Div)	-1,221.90
10/18/2017	25659	Coastal Copy, LP	Mtce agmt TASKalfa 6052ci/3051ci	-484.19
10/18/2017	25660	Cox Communications Santa Barbara	Business internet-Oct	-195.00
10/18/2017	25661	Draganchuk Alarm Systems	Alarm monitoring 10/1/17-12/31/17	-82.50
10/18/2017	25662	Frontier Communications	Main Office/Outlying stations/SCADA	-1,171.60
10/18/2017	25663	Fugro Consultants, Inc.	Phase 1 - Geotechnical Engineering Services -Xng 5 Aug-Sept (Fish Div)	-658.11
10/18/2017	25664	Harrison Hardware	PVC/Primer/Adaptor/Gloves/Gentle Soaker/Hose (Fish Div)	-115.57
10/18/2017	25665	Harwood White	Sept mtg fees	-463.31
10/18/2017	25666	HDR Engineering, Inc.	Various- Sept services (Fish Div)	-2,900.13
10/18/2017	25667	Lash Construction, Inc.	Road base material - Sycamore Canyon (Ops Div)	-101.82
10/18/2017	25668	Lauren W. Hanson	Sept mtg fees	-310.70
10/18/2017	25669	MarBorg Industries	Portable Toilets-outlying stations	-241.40
10/18/2017	25670	Milpas Rental	4 Cycle Jumping Jack rental (9/18 - 9/21/17) (Ops Div)	-480.93
10/18/2017	25671	Onset Computer Corporation	Replacement sensor cap for water quality instrument - Lauro Res	-104.00
10/18/2017	25672	Pitney Bowes Global Financial Services LL	Property Tax-postage meter	-24.92
10/18/2017	25673	Polly Holcombe	Sept mtg fees	-286.27
10/18/2017	25674	Premiere Global Services	Conf calls-Sept	-49.87
10/18/2017	25675	SB Home Improvement Center	Pipe/Concrete/Wood - North Portal culvert repair (Ops Div)	-164.74
10/18/2017	25676	Southern California Edison	Main office/Outlying stations	-72.35
10/18/2017	25677	Tri-Co Reprographics	Bond, Monochrome, Scanning, Stapling -QC Xng 5 (Fish Div)	-202.95
10/18/2017	25678	Trenchalk Network Services, Inc.	IT Services/LogicMonitor/Reflexion Spam Filtering - Sept	-1,971.00
10/18/2017	25679	Verizon Wireless	Cellular/Modem's/USB's	-862.04
10/18/2017	25680	W. Douglas Morgan	Sept mtg fees	-482.10
10/18/2017	25681	Wells Fargo Vendor Fin Serv	Copier (3051CI) lease agmt - Due date change fee	-5.05
10/20/2017	25682	American Riviera Bank (ARB)	Principal/Interest pymt #15-Oct	-10,354.21
* 10/27/2017	25683	Goleta Water Dist.	Unexpended Funds FY 2016-17	-688,543.00
* 10/27/2017	25684	City of Santa Barbara - Public Works	Unexpended Funds FY 2016-17	-611,205.00
* 10/27/2017	25685	Carpinteria Valley Water Dist.	Unexpended Funds FY 2016-17	-207,823.00
* 10/27/2017	25686	Montecito Water Dist.	Unexpended Funds FY 2016-17	-195,899.00

Cachuma Operation & Maintenance Board

Paid Claims

As of October 31, 2017

REVISED

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
10/30/2017	25687	Association of Ca Water Agencies/JPIA	November Health Benefits coverage	-28,029.77
10/30/2017	25688	Business Card	Job postings/Waders/Boots (Fish Div) Business cards (Ops Div)	-307.63
10/30/2017	25689	J&C Services	Ofc cleaning services-9/22, 9/29, 10/6 and 10/13/2017	-420.00
10/30/2017	25690	MarBorg Industries	Casitas Pass 9/18/17 - 10/15/17	-10.78
10/30/2017	25691	Orchard Business/SYNCB	Marking paint/Batteries (Ops Div)	-64.50
10/30/2017	25692	Otis Elevator Company	North Portal Elevator Mtce - Service 10/1/2017 - 3/31/2018	-2,764.50
10/30/2017	25693	Pacific Coast Jiffy Lube	Service-2008 Ford Explorer (Ops Div)	-84.56
10/30/2017	25694	Paychex, Inc. (HR Essentials)	HR Essentials Base/Admin Fee	-205.26
10/30/2017	25695	PG&E	Tecolote Tunnel/North Portal	-471.53
10/30/2017	25696	Praxair Distribution, Inc	Loss of use & Removed Cylinders (acetylene for welder) (Ops Div)	-500.00
10/30/2017	25697	Purchase Power	Postage meter ink cartridge	-32.63
10/30/2017	25698	Wells Fargo Vendor Fin Serv	Copier (6052 & 3051) lease agmt/Property tax	-523.19
10/31/2017	25699	ECHO Communications	Monthly answering service	-65.03
10/31/2017	25700	Environmental Systems Research Inst.	ArcInfo/ArcGIS/ArcView - GIS Mapping 1/11/2018-1/10/2019	-5,836.38
10/31/2017	25701	Federal Express	Mailings-QC Xng 5 (Fish Div)	-29.35
10/31/2017	25702	HDR Engineering, Inc.	Engineering services-EPFP-Apr/Jun (Ops Div)	-1,978.31

Total 1050 · General Fund

-1,822,116.62

TOTAL

-1,822,116.62

* Revision made to Paid Claims report on 11/27/2017.

APPROVED FOR PAYMENT

_____ Director

_____ Director

_____ Director

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	November 27, 2017
Approved by:	Janet Gingras

SUBJECT: Purchase of Replacement Fleet Vehicle

SUMMARY:

The Fisheries Division has been operating with one less service vehicle for several months. Staff has received four quotations from various dealers for the purchase of a replacement fleet vehicle which is similar to the previous COMB service vehicle. Purchase price quotations ranged from \$33,800 to \$41,264. Insurance proceeds and salvage value received for disposal of the vehicle totaled approximately \$15,000. The damaged 2009 vehicle was fully depreciated.

The purchase price of a new truck from Vreeland Ford is \$33,806. Staff is in the process of developing a vehicle replacement policy to be included in the Administrative Policy section of the policy manual. The historical trend has been to retain vehicles for at least ten years or well over 200,000 miles, depending on operating condition. Staff is requesting Board approval to purchase the replacement fleet vehicle from Vreeland Ford as presented.

FISCAL IMPACTS:

The Fiscal Year 2017-18 Operating Budget contains funding for the purchase of the replacement vehicle.

RECOMMENDATION:

The Board authorize the General Manager to execute a purchase order to Vreeland Ford for the purchase of a replacement fleet vehicle in an amount not to exceed \$33,806.

LIST OF EXHIBITS:

N/A



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.”

November 27, 2017

General Manager Report

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

Meetings

- Whittier Fire Action Plan Meeting

A second Whittier Fire Action Plan meeting was hosted by Santa Barbara County Office of Emergency Management and held on October 31, 2017 for the purpose of reviewing proposed actions to ensure readiness for the impacts of this winter's storms on the Whittier Fire burn area for both life and property protection and water quality. Participants included County Fire, County OEM, the SB County Sheriff's Office, Bureau of Reclamation, County Public Works, the Cachuma Project Member Agencies, CalTrans, National Weather Service representatives, and the County Parks.

The meeting objectives included the discussion of pre-winter preparations and winter response plans, Cachuma water quality preparation and response, public safety messaging and emergency response plans. The USFS provided information regarding the potential for damage if significant rainfall occurs in the severely burned Whittier Fire areas. Eric Boldt from the National Weather Service, Los Angeles, provided a brief overview describing the upcoming winter to potentially be considered a La Nina weather pattern. The CalTrans representative indicated their availability for reactive on-call responses to highway 154 issues during a storm event and closure notices, if necessary, working with the California Highway Patrol. The water districts specified utilization of alternative, short term supplies for the interim during winter storm events which may cause debris flows into the lake. The County Flood Control is hosting their annual winter flood forecast meeting in early December to collaborate with Reclamation and the water purveyors on early warning notifications and measures.

- Cachuma Project Member Agency Managers Meeting

The Cachuma Project Member Agency Managers meeting is hosted monthly by the Santa Barbara County Water Agency and was held on Wednesday, November 1, 2017. The agenda topics included discussions regarding Cachuma Lake elevation, downstream releases, and the Whittier Fire follow-up presentation for the Board of Supervisors meeting on November 7th. COMB staff presented an update on the Member Agencies water supply and demand projections in relation to lake level conditions for the next water year. The next meeting is scheduled for early December.

- Regional Drought Task Force Meeting

Elected officials and local water agency representatives and staff attended a meeting on Monday, November 6, 2017 to discuss topics of interest pertaining to the ongoing drought and water supply challenges affecting California and in particular, Santa Barbara County. State Senator Hannah-Beth Jackson and State Water Board President, Felicia Marcus were present, among other representatives from the State, to meet with stakeholders and receive updates on the County's current water supply, plans for meeting future demand, and identified opportunities for improving the resilience and diversity of our regional water supply. An overview of the current water supply was presented by Santa Barbara County OEM and Water Agency staff. Each of the water purveyors provided an update on their existing supply/demand conditions, the drought's continued impact and priority projects under consideration.

Administration Division

- 2018 Cachuma Project Water Rates

Reclamation (Fresno) staff is continuing to prepare information related to Cachuma Project expenditures for Water Years 2015 and 2016 and has indicated explanations will be provided by December 15, 2017. Staff has requested the delay of extraordinary O & M expenses which are included in the calculation of water rates for 2018. Reclamation (Sacramento) is currently processing the request. Historically, the 1st semi-annual payment is due October 1st each year. Staff has confirmed with Reclamation (Sacramento) a deferment of the 1st semi-annual payment beyond the original late November deadline. Reclamation Fresno is planning to schedule a meeting sometime in January to discuss details with Member Agency staff and answer questions related to prior year deficits and the USBR budget process.

- 2017 Audit Field Work

The auditors from Bartlett Pringle Wolf, LLP have completed their field work pertaining to the Fiscal Year ending June 30, 2017 COMB financial audit. It is anticipated staff will receive draft financial statements in early December for development of the Management Discussion and Analysis (MDA) portion of the audit. Staff is in the process of creating the Comprehensive Annual Financial Report document for presentation to the Administrative Committee in early February 2018.

Operations Division

- Intake Tower Debris Booms

Cushman Contracting Corporation has ordered the materials for installation of the debris booms at the Intake Tower. Staff is in contact with the County Parks regarding the scheduled work. It is anticipated the installation of the debris booms will be completed by mid-December. Staff is working with Reclamation on potential reimbursement from the WWEP grant funding for this project.

- Infrastructure Improvement Projects

An update to the continuing Infrastructure Improvement Projects will be provided by Operations Division staff.

Fisheries Division

- Oak Tree Program

The oak tree consultant recently trained staff on how to properly conduct formative pruning. Formative pruning will be conducted on the older age classes of oak trees as time permits during the fall/winter. Staff is currently irrigating the newer (Year 8 and 9) age classes of oak trees, particularly since no meaningful rain has been received so far this season. Staff also continues to conduct cage maintenance at both Bradbury and Storke Flat planting sites.

- Snorkel Surveys, Trapping, Water Quality Instrumentation

The Fisheries Division has just completed the post-release phase of WR 89-18 release snorkel surveys within the Lower Santa Ynez River (LSYR) mainstem. Fall snorkel surveys within the tributaries will also be conducted in the coming weeks. Migrant traps and all associated material have been removed from the tail-out of the Long Pool soon after the WR 89-18 release ended. Temperature, dissolved oxygen and pressure transducer devices are being removed from the LSYR mainstem since the WR 89-18 release has ended. Temperature units within the tributaries are also being removed in anticipation of the wet season.

General Manager Report
November 27, 2017

- Quiota Creek Crossings

Staff continues to irrigate the newly planted trees at Quiota Creek Crossings 0A and 4 as well as the mitigation trees at the other Quiota Creek project sites. The bottomless-arched culvert for Quiota Creek Crossing 5 has been completed and is currently being stored at the Bethlehem construction site for installation next year.

- Annual Monitoring Reports

The 2014 Annual Monitoring Report has been provided to Reclamation. Staff is continuing production of the 2015 and 2016 Annual Monitoring Reports.

Respectfully Submitted,

Janet Gingras

General Manager

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: November 27, 2017
TO: Janet Gingras, General Manager
FROM: Joel Degner, Water Resources Engineer
RE: MONTHLY ENGINEERING REPORT

The following summary provides the Board with information and an overview of progress by engineering staff.

Lake Cachuma Elevation Projection Model

The Lake Cachuma Elevation Projection Model is currently being refined and updated. The intended purpose of the model is to project lake level elevations based on current conditions and Member Agency projections for supply and demand. The model was originally created by Carpinteria Valley Water District's General Manager. The model will show the estimated timeframe for re-deployment of the barge if no sizable rain event occurs this winter. Draft projections have been included and the model was presented to Member Agency staff at the County hosted meeting on November 1. The Lake Elevation Projection Model will be updated monthly through next winter using the daily U.S. Bureau of Reclamation operational data and the latest water use projections from the Member Agencies. COMB is in the process of requesting updates on Member Agency supply and demand projections and plans to provide results of the projected lake elevation at next month's Board meeting.

Water Accounting, Mass Balance Approach, System Meter Replacement Program

COMB is responsible for accurate reporting of water accounting on behalf of the Cachuma Project Member Units to the U.S. Bureau of Reclamation on a monthly basis. An in-depth review of water deliveries from the South Coast Conduit, including a mass balance approach and metering analysis, was completed by Water Systems Optimization (WSO) to assist COMB in identifying sources of unaccounted water within each reach of the system. Staff has utilized the mass balance approach provided by WSO to identify each Member Unit's metered uses and to, some extent, locate unaccounted for losses within specific reaches of the system. The result of the mass balance calculation continues to contain errors due to the inaccuracy of the system meters. In order for the in-line system meters to be used for water accounting, older in-line water meters need to be systematically replaced to improve the mass balance results. COMB staff will be meeting with Member Agency staff to present findings and discuss the system meter replacement program, recommendations for water accounting and utilizing the mass balance approach.

Right-of-Way Program \ GIS Update

COMB staff has prepared a brochure to send to all parcel owners whose property contains a U.S. Bureau of Reclamation easement. The purpose of the notice is to educate the property owners about the South Coast Conduit (SCC) and to inform them of when and how to contact COMB for land use authorization. COMB also plans to update the website regarding the Land Authorization process prior to sending the brochures to the parcel owners. The brochure and website updates will be reviewed by the Public Outreach Committee prior to implementation.

In addition, Channel Islands Regional GIS (CIRGIS) is in the process of obtaining 2017 aerial photography which will cover the SCC along with the easements. The detailed imagery will assist COMB staff in identifying encroachment issues and areas of the pipeline that are difficult to access.

The Map and Imagery Lab at UCSB has also recently (September 2017) made historic aerial photo frames available online. Aerial photos are available for Santa Barbara’s South Coast region back to the 1920s. COMB staff is reviewing the historic imagery from the 1950s when the facilities were first constructed. This dataset will also be useful in identifying potential encroachment issues.

North Portal Intake Tower/Control Building Seismic Analysis & Conditions Assessment

The North Portal Intake Tower was constructed by the Bureau of Reclamation in the 1950’s, at which time, the standards for structural design requirements were not as stringent as today’s compliance requirements. Based on the Infrastructure Improvement Plan, COMB staff plans to acquire consulting engineering services of a qualified structural engineering firm to perform the Seismic Reliability Analysis and Physical Conditions Assessment and the Lake Cachuma Intake Tower and Control Building. The Request for Proposal (RFP) is currently under development and qualified engineering firms are being identified. COMB staff plans to issue the RFP in the near term.

Tecolote Tunnel Inspection

The Tecolote Tunnel inspection is schedule to occur on December 20th, 2017. The tunnel is inspected every 6 years by Reclamation with the assistance of COMB staff. Based on the mass balance and meter analysis, discussed above, the estimated Tecolote Tunnel accretion is shown from Water Year 1960 to 2017. The Tecolote Tunnel accretion was estimated to be 3,000 acre-feet initially for the Cachuma Project. Flows declined in the late 1980s and the accretion was assumed to be 2,000 acre-feet for the 1995 Master Contract Renewal. In the years during the recent drought (2015-2017), the estimated accretion is on the order of 1,000 acre-feet. COMB staff is considering collecting more information on the flow rate, seepage locations, and water quality during the upcoming Tecolote Tunnel inspection to better understand the changes in Tecolote Tunnel accretion.

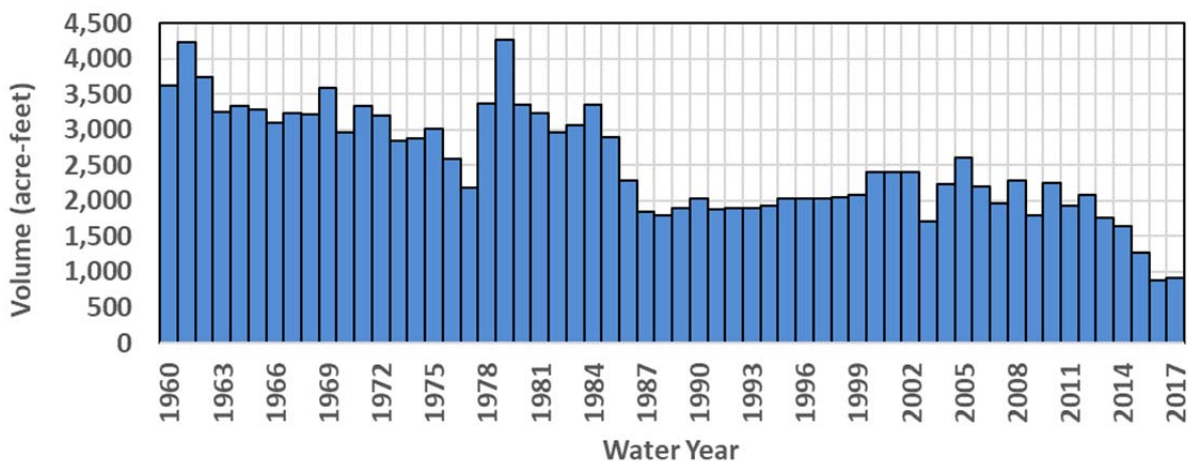


Figure 1. Historical Tecolote Tunnel Accretion

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: November 27, 2017
TO: Janet Gingras, 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 October was 2,243.4 acre-feet, for an average daily flow of 72.36 acre-feet. Lake elevation was 706.37 feet at the beginning of the month and 703.34 feet at the end. Storage change decreased -5,135 acre-feet. CCWA wheeled 1,121.5 acre-feet of water to Cachuma Project facilities.

Operation and Maintenance Activities

COMB Staff regularly performs the following duties:

- Operations and maintenance of the SCC and facilities on the South Coast:

South Coast Conduit - Structure Inventory													
Reach	Endpoints	Linear Length (ft)	Pipe Diameter	Regulating Storage Reservoirs	Meters	Air Vents	Blow-Offs	Turnouts	Open Air Vents	Valves	Valve Size	Slide Gates	Capacity / Volume (gal)
Upper	Glen Annie Turnout (S. Portal) - Cater Water Treatment Plant	64,050	48"	2	5	32	35	18	2	115	4" - 48"	7	6,017,421
Lower	Cater Water Treatment Plant - Carpinteria Reservoir	90,910	27" - 36"	2	15	26	31	42	4	144	4" - 36"	-	3,190,171

- Operation of the Lake Cachuma North Portal Intake Tower and Jet Flow Valve
- Regulate and maintain flows from Lake Cachuma to meet the needs of South Coast Member Units
- Dam inspection and instrumentation reports (all reservoirs)
- Weekly Safety meetings
- Weekly Rodent Bait (all reservoirs)
- Weekly Toe Drain and Piezometer reads at Ortega (L23)
- 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
- Clean up, Inspection, and tool Inventory of all vehicles
- Clean up and organize service yard and all buildings

Weekly Safety Meetings:

The primary purpose of the weekly safety meetings is to continue educating staff on safe practices in the field and on-site. In the safety meetings, staff is urged to ask questions regarding 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:

- ✓ Driving and Moving Equipment Safely – Reviewed current procedures for operation of heavy equipment. Retrained on correct methods of securing and transporting heavy equipment. Checked all chains and necessary tools were in good working order.
- ✓ Covering Loads – Discussed correct methods of covering various types of loads for transport in service trucks.

COMB Operations Staff specifically performed the following activities:

- Staff has been on site monitoring several ongoing projects throughout the area. Working closely with the construction and engineering contractors to ensure that:
 - Pipeline easements and right of ways remain accessible to operations staff for possible emergency's and ongoing facility maintenance
 - All projects are following the COMB and USBR approved plans.
 - No damage occurs to the South Coast Conduit during the construction process.
- All operations staff took part in classroom and onsite Dam Operators training with the Bureau of Reclamation.
- Granite Construction was on site completing the North Portal access road slope stabilization project.
- Staff discovered a clogged drainage culvert under HWY 154 near the North Portal Intake Tower access road. Staff notified Cal-Trans spotlighting the importance of site to COMB while providing pictures and a location. Cal-Trans cleared and flushed the culvert in preparation for winter.
- Installed storm water runoff protection around the North Portal, Intake Tower and surrounding areas at Lake Cachuma in preparation for winter storms.
- Monitored the Sycamore Canyon slide area.

- Monitored Lash construction during the installation of an 8” water main traveling near the SCC along Hwy 192 in Carpinteria.
- Continued storm preparation at Carpinteria Reservoir cleaning all drop inlet and roadway drains.
- Cleaned the North Portal Intake Tower debris and fish screens.
- Exercised North Portal Intake Tower slide gates.
- Monthly water sampling for the City of Santa Barbara.
- Operations department continually inspects all sites, reservoirs, and the South Coast Conduit for items to add to the IIP for future projects.

Current IIP projects include:

- Air Vacuum Air Release (AVAR) Valve and Blow-off Structure Rehabilitation & Replacement – Reviewing 90% design and specifications in preparation to go out to bid.
- North Portal Access Road – Granite completed grading Oct. 23 to Nov. 3.
- Sycamore Canyon Slope Stabilization Project – Geotechnical consultant, Earth Systems completed three boreholes during November 14th to 17th in the Sycamore Canyon. Additional survey work and test pits will be completed in November and December.
- Lateral #3 Replacement – Working with contractor in planning and preparing for work.

CURRENT PROJECTS WITHIN THE EASMENT



BROWN PROPERTY



Installation of Geofoam over the South Coast Conduit to prevent overloading.

LAT 3A



Remove abandoned turnout and reconfigure blow off structure.

PATTERSON AVE.



Patterson Oaks subdivision

BOULDERS PROJECT

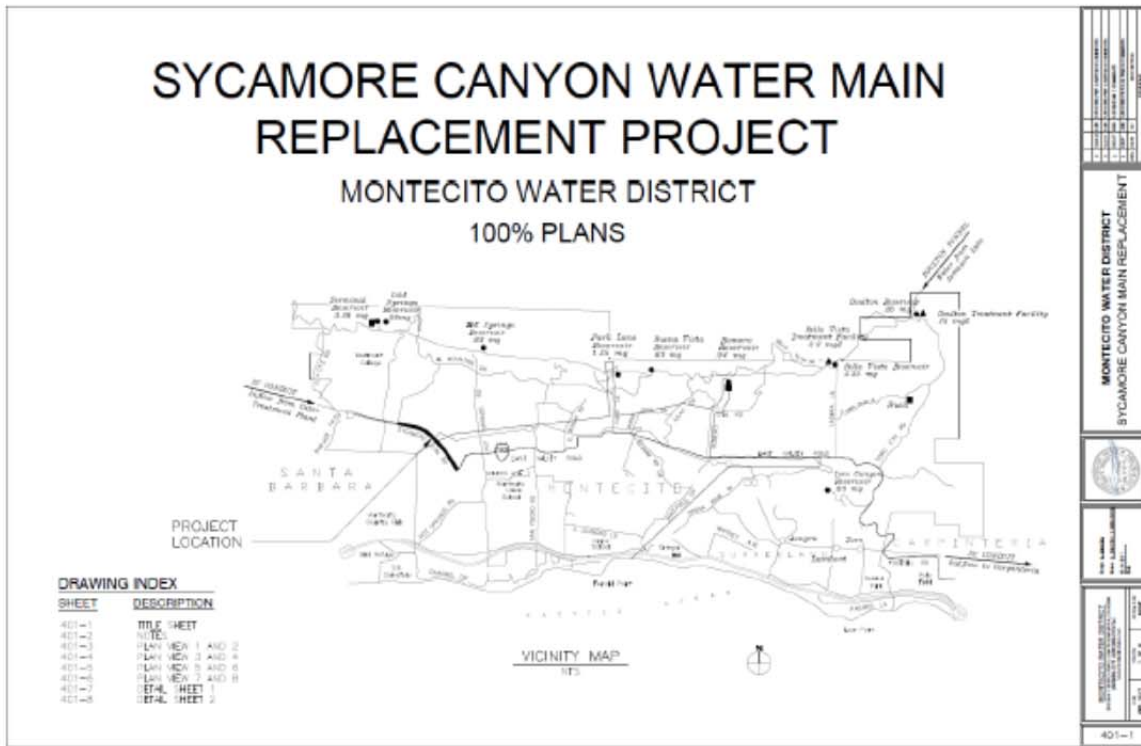


Boulders subdivision.

North Portal Slope Stabilization



Montecito Water Main Installation



Operations Project Photos

North Portal Storm Water Runoff Protection



Winter Preparation at Carpentaria Reservoir

Before



After



Cal-Trans / HWY 154 Drainage Culvert

Before



After



CACHUMA OPERATION AND MAINTENANCE BOARD

BOARD MEMORANDUM

DATE: November 27, 2017
TO: Janet Gingras, General Manager
FROM: Tim Robinson, Fisheries Division Manager
RE: MONTHLY FISHERIES DIVISION REPORT

HIGHLIGHTS:

- USBR continues to deliver approximately 2 cfs to Hilton Creek at the Lower Release Point through the Hilton Creek Emergency Backup System by gravity. No water is being delivered to the Upper Release Point due to difficulties in operating the Hilton Creek Watering System pumps. This rate of flow is meeting BiOp target flows for Hilton Creek and sustaining the *O. mykiss* population in the creek.
- The 2017 WR 89-18 release ended on 11/8/17.

In compliance with the 2000 Cachuma Project Biological Opinion (BiOp) (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 and has been broken out by categories.

LSYR Steelhead Monitoring Elements:

Thermograph Network: The thermograph network is deployed at the beginning of April and removed 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 solids and turbidity) at one meter intervals from the surface to the bottom of the lake (Lake Profile) are taken once a month 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 are being taken monthly throughout the year.

Cachuma Lake Oak Tree Restoration Program: COMB staff, with guidance from a hired professional arborist, continues to implement the Program and has successfully conducted all management actions as required. A project update is provided in a separate Board memo.

WR 89-18 Release Monitoring: BiOp required monitoring for the WR 89-18 releases started prior to the release as requested by USBR and will continue until after the releases are

stopped. WR 89-18 releases began on 8/21/17 after 8 AM, ended on 11/8/17, and are conducted by the Santa Ynez River Water Conservation District in collaboration with USBR. Snorkel surveys in the LSYR mainstem as required by the BiOp (RPM-6) have been conducted as proposed.

Lauro Reservoir Monitoring: Staff has been assisting the Cater Treatment Plant operators by monitoring water quality in Lauro Reservoir prior and during their deployment and operation of the KRIA Ionizer System specifically water temperature, dissolved oxygen concentration, turbidity and pH across depth profiles at several locations.

Tributary Project Updates:

Quiota Creek Crossing 5: As discussed and recommended by the COMB Board on 3/7/16, staff submitted a 2016 CDFW-FRGP Grant on 3/11/16 for \$893,287 with a COMB construction match of \$50,000. COMB was awarded the grant and the COMB Board accepted the grant by resolution on 5/22/17. The Board then approved by resolution expenditures of funds for the project on 6/26/17. All permits and final designs for the project have been obtained and approved. The project is on hold due to the COMB Board rejection all contractor bids on 9/25/17.

Quiota Creek Crossing 8: This project and the required Cooperative Agreement with the County were discussed at the 5/4/16 Fisheries Committee meeting with approval by the Board on 5/23/16 to move forward with the project and the Cooperative Agreement. The County Board of Supervisors approved the Cooperative Agreement on 7/12/16. With a fully executed Cooperative Agreement, the County submitted a CalTrans Federal Highway Administration (CT-FHWA) grant application to fund the project and CalTrans approved the funding for a full bridge replacement. SBCAG approved the project on 11/17/16. A Professional Service Agreement (PSA) for COMB with the County to manage the project was approved by the Board during the 3/27/17 Board meeting and was fully executed on 5/16/17. The Request for Authorization (RFA) has been sent by the County to Caltrans to begin grant expenditures and expect approval of the RFA soon. We have been working on the Requests for Proposals (RFP) to hire a consultant for design, environmental and right-of-way tasks. We hope to finalize the RFP shortly and initiate the search for a consultant to be secured in September of this year. Upon receiving the PSA, a field review meeting with Caltrans will be scheduled shortly thereafter with the objective of setting the design criteria. Caltrans recently has programmed funding for this project in Fiscal Year 19/20 but the County has made a request for the funding to be available in Fiscal Year 18/19. We will know more next month in December. Pending the above, the project would be built in the fall of 2018 or 2019.

Quiota Creek Crossing 9: Staff submitted a CDFW-FRGP grant proposal for this project on 4/26/17 as approved by the Board during the 4/24/17 meeting. The grant is for \$993,121 with a \$50,000 construction match. The announcement of grant recipients will happen in the winter of 2018.

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

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

Hilton Creek Watering System (HCWS) Repairs and Upgrades plus the Hilton Creek Emergency Backup System (HCEBS)

The HCWS and HCEBS are owned, operated and maintained by USBR. The HCEBS was completed at the end of January 2016. With this system fully operational, USBR has now been working on the identified repairs to the HCWS with no success on getting the pumping system operating. Repair work on the HCWS has been very slow with no work calendared in the near future.

Surcharge Water Accounting

The following table summarizes the amount of Surcharge water used to date from each of the three accounts at the end of last month (Table 1). All numbers come from 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 BiOp target flows. A WR 89-18 release began on 7/15/13 and ended on 12/2/13, another began on 8/18/14 and ended on 11/11/14, another began on 8/3/15 and ended on 9/26/15, and the 2016 WR 89-18 release started on 7/12/16. 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 releases 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 (FPSA). Determination of critical drought and the associated accounting and possible usage of the AMA and FPSA have not been finalized and approved (or if those accounts are now replenished from this winter’s runoff) by NMFS and USBR hence is not reflected in Table 1.

Table 1: Summary of the surcharge water accounting and use of Project Yield.

Accounts*	Allocation	Amount Used**	Amount Remaining
Units:	(acre-feet)	(acre-feet)	(acre-feet)
Fish Passage Supplementation	3,200	0	3,200
Adaptive Management	500	149	351
Fish Rearing***	5,484	5,484	0
Project Yield		15,821	
Total:	9,184	21,454	3,551
* Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013.			
** Values as of 10/31/17.			
*** 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 continues to work on the Annual Monitoring Reports. Staff has been providing information to USBR as requested in support of Reconsultation and other operational requests.

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, reporting and oversight work for the Quiota Creek Crossings 5, 8 and 9 projects.

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

ICF (Jean Baldrige) – BiOp compliance tasks and support.

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	November 27, 2017
Submitted by:	Tim Robinson and Scott Volan
Approved by:	Janet Gingras

SUBJECT: **Lake Cachuma Oak Tree Restoration Program**

SUMMARY:

Maintenance

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since January, 2017 to the present (1/1/17 – 11/27/17, Table 1). Labor and expenses for the entire fiscal year (July 2017 - June 2018) as well as water usage will be tracked separately and reported as necessary as recommended by the 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 2015 Lakeshore Inventory was completed and reviewed by the Lake Cachuma Oak Tree Committee on 2/25/16, which sets the mitigation number for the program. The 2016 Annual Inventory and Fiscal Year 2016-2017 Financial Report has been completed and reviewed by the Lake Cachuma Oak Tree Committee during their 8/9/17 meeting. The directives for the coming year fiscal year have been presented by the Committee chairperson during the August COMB Board meeting.

Table 1: Cachuma Oak Tree Program completed tasks since January, 2017.

	Jan 2017*	Feb 2017*	March 2017*	April 2017**	May 2017**	June 2017	July 2017	Aug 2017	Sep 2017	Oct 2017	Nov 2017
Year 9 Oaks (2016-2017)		New Trees Gopher Baskets Fert/Comp Deer Cages Mulch/Irrigated	New Trees Gopher Baskets Fert/Comp Deer Cages Mulch/Irrigated	New Trees Gopher Baskets Fert/Comp Deer Cages Mulch/Irrigated	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded		Irrigated Weeded
Year 8 Oaks (2015-2016)		Weeded		Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded		Irrigated Weeded
Year 7 Oaks (2014-2015)				Weeded Mulched		Irrigated Weeded			Irrigated Weeded		
Year 6 Oaks (2010-2011)						Irrigated Weeded				Irrigated Weeded Deer Cages	Pruning Deer Cages
Year 5 Oaks (2009-2010)						Irrigated Weeded					Deer Cages
Year 4 Oaks (2008-2009)											
Year 3 Oaks (2007-2008)											
Year 2 Oaks (2006-2007)										Irrigated Weeded Deer Cages	
Year 1 Oaks (2005-2006)										Irrigated Weeded Deer Cages	

* Annual Oak Tree Inventory

** April-May work included Year 9 oak tree inventory

Formative pruning training was given by arborist Ken Knight to the Fisheries Division on 11/6/17 at Storke Flat (Exhibit 1). Staff will be taking advantage of the oak tree dormant period (fall/winter) by lightly pruning trees that are lacking vertical growth. This type of pruning helps the tree select a strong central leader for greater vertical growth, rather than continue stunted growth.

With no strong storm systems impacting our area to date, staff is conducting another round of irrigation on the newer (Year 8 and 9) ages classes of oak trees. Cage maintenance also continues on the older age classes of oak trees.

Several loads of mulch are being delivered at the end of the month to both the Bradbury Dam and Storke Flat areas. The mulch will be spread over the course of the next few months.

RECOMMENDATION:

For Board information only.

LIST OF EXHIBITS:



Exhibit 1: Formative pruning training by Ken Knight at Storke Flat on 11/6/17 showing (a) how to select a central leader, and (b) assessing tree health prior to deciding whether or not to prune.

CACHUMA OPERATION AND MAINTENANCE BOARD
METERED USE REPORT FOR OCTOBER 2017

LATERAL/ STATION	NAME	ACRE FEET METERED	LATERAL/ STATION	NAME	ACRE FEET METERED
CARPINTERIA WATER DISTRICT			GOLETA WATER DISTRICT		
Boundary Meter - East		335.89	18+62	G. WEST	129.06
Boundary Meter - West		(0.04)	78+00	Corona Del Mar FILTER Plant	974.02
			122+20	STOW RANCH	0.00
				Bishop Ranch (Wynmark)(Water Rights)	0.00
				Raytheon (SWP) (Warren Act Contract)	0.00
				Morehart (SWP) (Warren Act Contract)	0.00
				SWP CREDIT (Warren Act Contract)	(365.34)
			TOTAL		737.74
			MONTECITO WATER DISTRICT		
			260+79	BARKER PASS	74.87
			386+65	MWD YARD	78.16
			487+07	VALLEY CLUB	0.23
			499+65	E. VALLEY-ROMERO PUMP	166.45
			510+95	MWD PUMP (SWD)	15.41
			510+95	ORTEGA CONTROL	3.50
			526+43	ASEGRA RD	6.68
			555+80	CO. YARD	0.00
			583+00	LAMBERT RD	0.00
			599+27	TORO CANYON	2.25
				SWP CREDIT (Warren Act Contract)	(347.55)
			TOTAL		0.00
			CITY OF SANTA BARBARA		
			CATER	INFLOW	1624.74
			Gibraltar	PENSTOCK	(475.24) (*)
			CATER	SO. FLOW	(944.18)
			Sheffield	SHEF.LIFT	227.10
				SWP (Warren Act)	(351.59)
				La Cumbre Mutual SWP (Warren Act)	(80.83)
			TOTAL		(0.00)
			SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, ID#1		
			COUNTY PARK, ETC		2.40
			TOTAL		2.40
			BREAKDOWN OF DELIVERIES BY TYPE:		
			STATE WATER DELIVERED TO LAKE		1048.00
			STATE WATER TO SOUTH COAST (including from storage)		(1284.34)
			BISHOP RANCH DIVERSION		0.00
			METERED DIVERSION		936.95
SWP CREDIT (Warren Act Contract)		(139.03)			
TOTAL		196.82			
Note:	Meter reads were taken on: 10/31/2017				

(*) The Gibraltar Penstock meter read was adjusted based on a meeting between City Staff and COMB on May 18, 2017

17-18 CACHUMA PROJECT ALLOCATION

**CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT**

FOR THE MONTH OF **OCTOBER 2017** AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾

(All in rounded Acre Feet)

	MONTH	WYTD
SCC WATER PRODUCTION:		
Cachuma Lake (Tec. Diversion)	2,320.3	2,320.3
Tecolote Tunnel Infiltration	26.2	26.2
Cachuma Lake (County Park)	2.4	2.4
Subtotal - Water Production	2,349	2,348.9
SCC WATER DELIVERIES:		
State Water Diversion	1,284.3	1,284.3
Cachuma Diversion	937.0	937.0
So. Coast Storage gain/(loss)	72.4	72.4
Subtotal - Water Deliveries	2,293.7	2,293.7
Total Water Production	2,348.9	2,348.9
Total Water Deliveries	2,293.7	2,293.7
Difference = Apparent Water Loss	55.2	55.2
% Apparent Water Loss	2.35%	2.35%

SCC APPARENT WATER LOSS ALLOCATION ⁽²⁾

	GWD	SB CITY	MWD	CVWD	TOTAL
CURRENT MONTH CHARGE / (ADJUSTMENT) ⁽²⁾					
M&I	2.6	0.0	0.0	4.3	6.8
Agriculture	0.8	0.0	0.0	6.0	6.8
Subtotal Cachuma Project	3.3	0.0	0.0	10.3	13.6
(+) State Water Project	1.7	13.0	18.9	8.0	41.6
Total	5.0	13.0	18.9	18.3	55.2
WATER YEAR-TO-DATE CHARGE / (ADJUSTMENT)					
M&I	2.6	0.0	0.0	4.3	6.8
Agriculture	0.8	0.0	0.0	6.0	6.8
Subtotal Cachuma Project	3.3	0.0	0.0	10.3	13.6
(+) State Water Project	1.7	13.0	18.9	8.0	41.6
Total	5.0	13.0	18.9	18.3	55.2

CACHUMA PROJECT WATER CHARGE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
CURRENT MONTH						
Water Usage						
M&I	568.1	0.0	0.0	81.6	2.4	652.1
Agricultural	169.7	0.0	0.0	115.2	N/A	284.9
Subtotal Project Water Use	737.7	0.0	0.0	196.8	2.4	937.0
(+) Apparent Water Loss	3.3	0.0	0.0	10.3	N/A	13.6
(+) Evaporative Loss ⁽³⁾	45.2	58.3	14.8	11.7	0.2	130.1
Total Project Water Charge	786.2	58.3	14.8	218.8	2.6	1,080.7
WATER YEAR-TO-DATE						
Water Usage						
M&I	568.1	0.0	0.0	81.6	2.4	652.1
Agricultural	169.7	0.0	0.0	115.2	N/A	284.9
Subtotal Project Water Use	737.7	0.0	0.0	196.8	2.4	937.0
(+) Apparent Water Loss	3.3	0.0	0.0	10.3	N/A	13.6
(+) Evaporative Loss ⁽³⁾	45.2	58.3	14.8	11.7	0.2	130.1
Total Project Water Charge (*)	786.2	58.3	14.8	218.8	2.6	1,080.7

(*) Project Water Charge is applied first to Carryover Water balance and then to Current Year Water Allocation

17-18 CACHUMA PROJECT ALLOCATION

**CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF **OCTOBER 2017** AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾**

(All in rounded Acre Feet)

CACHUMA PROJECT WATER BALANCE AS OF OCTOBER 2017

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
Project Water Carryover - 10/1/2016	3,088.0	3,988.0	1,011.0	800.0	16.0	8,903.0
(-) Project Water Charge (WYTD)	786.2	58.3	14.8	218.8	2.6	1,080.7
Balance Carryover Water	2,301.8	3,929.7	996.2	581.2	13.4	7,822.3
Current Year Allocation ⁽⁴⁾	3,728.0	3,311.0	1,060.0	1,125.0	1,060.0	10,284.0
(-) Balance of Project Water Charge (WYTD)	0.0	0.0	0.0	0.0	0.0	0.0
Net Allocation Available Before Adjustments	3,728.0	3,311.0	1,060.0	1,125.0	1,060.0	10,284.0
<u>Adjustments to Net Allocation (WYTD)</u>						
Carryover Balances Spilled	0.0	0.0	0.0	0.0	0.0	0.0
Surplus	0.0	0.0	0.0	0.0	0.0	0.0
State Water Exchange ⁽⁵⁾	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment	0.0	0.0	0.0	0.0	0.0	0.0
Balance Current Year Allocation	3,728.0	3,311.0	1,060.0	1,125.0	1,060.0	10,284.0
Total Cachuma Project Water Available	6,029.8	7,240.7	2,056.2	1,706.2	1,073.4	18,106.3

Footnotes

- (1) Water Year = October 1 through September 30
- (2) Based on an correspondence from Michael Jackson, dated 09/15/17, which revised the approach to the assessment for unaccounted-for water loss based on lake conditions
- (3) Per USBR, evaporation is applied to Cachuma Carryover and SWP water through standard contract formula effective April 1, 2017.
- (4) Per USBR, 40% Allocation to Member Agencies, effective 10/1/17
- (5) There were no SWP Exchanges in October 2017
State Water Deliveries to Lake Cachuma for October (Total =1048 AF): MWD 244 AF; CVWD 147 AF
GWD 367 AF(Morehart 0 AF); City of S.B. 244 AF; and LaCumbre 46 AF: (Ratheon 0 AF)

**SUMMARY: APPARENT WATER LOSS ALLOCATION
OCTOBER 2017**

	Lauro & Cater Loss (LE + CTPL)	Ortega Toe Drain (OTD)	Use Area 1	Use Area 2	Use Area 3	Use Area 4	Total (AF)	Rounded Total (AF)
GWD	0.5	0.0	2.2	2.2	0.0	0.0	5.0	5
City of SB	2.3	0.0	0.7	9.4	0.6	0.0	13.0	13
MWD	2.3	0.5	0.7	9.3	0.9	5.2	18.9	19
CVWD	2.2	0.5	0.6	9.0	0.9	5.1	18.3	18
Total	7.4	1.0	4.2	30.0	2.3	10.3	55.2	55

CACHUMA OPERATION AND MAINTENANCE BOARD
WATER STORAGE REPORT

MONTH: **October 2017**

GLEN ANNIE RESERVOIR

Capacity at 385' elevation:	518	AF
Capacity at sill of intake at 334' elevation:	21	AF
Stage of Reservoir Elevation	335.00	Feet
Water in Storage	26.79	AF

LAURO RESERVOIR

Capacity at 549' elevation:	503	AF
Capacity at top of intake screen, 520' elevation:	106.05	AF
Stage of Reservoir Elevation	548.40	Feet
Water in Storage	578.78	AF

ORTEGA RESERVOIR

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	446.40	Feet
Water in Storage	17.64	AF

CARPINTERIA RESERVOIR

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

TOTAL STORAGE IN RESERVOIRS

	624.60	AF
Change in Storage	72.41	AF

CACHUMA RESERVOIR*

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

Stage of Reservoir Elevation	703.34	Feet
Water in Storage	77,617	AF
Surface Area	1,657	
Evaporation	800.7	AF
Inflow	89.7	AF
Downstream Release WR8918	3125.0	AF
Fish Release (Hilton Creek)	107.0	AF
Outlet	0.0	AF
Spill/Seismic Release	0	AF
State Water Project Water	1051.7	AF
Change in Storage	-5,125	AF
Tecolote Diversion	2,243.4	AF

Rainfall:	Month: 0.00	Season: 0	Percent of Normal: 0%
------------------	--------------------	------------------	------------------------------

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

MONTH	Total Delivered to Lake per CCWA	CVWD						MWD						CITY OF SB						GWD						LCMWC				RSYS			MLC		
		Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Stored in Lake	
2016																																			
Bal. Frwd						0										0													140			0			0
January	653	54	16	0	0	38	0	0	0	0	0	0	367	367	0	0	0	0	0	200	64	0	0	0	136	30	10	0	160	0	0	0	2	2	0
February	693	0	0	0	2	36	125	125	0	0	0	0	366	366	0	0	0	0	0	200	197	0	8	0	130	0	6	1	153	0	0	0	2	2	0
March	965	0	0	0	3	33	0	0	0	0	0	0	367	367	0	0	0	0	0	596	192	1	10	0	523	0	14	0	138	0	0	0	2	2	0
April	1283	0	29	0	4	0	0	0	0	0	0	0	677	476	24	0	0	178	600	357	5	65	0	696	0	49	2	87	3	3	0	3	3	0	
May	1309	0	0	0	0	0	0	0	0	0	0	0	522	492	24	28	0	155	783	405	5	111	0	958	0	44	8	35	1	1	0	3	3	0	
June	1261	0	0	0	0	0	0	0	0	0	0	0	466	463	26	20	0	112	700	551	4	121	0	982	85	85	0	5	5	0	5	5	0		
July	1342	100	100	0	0	0	0	0	0	0	0	0	541	534	28	17	0	75	600	513	5	141	0	923	91	39	0	52	3	3	0	7	7	0	
August	1372	135	0	0	0	135	0	0	0	0	0	0	549	0	0	9	0	615	600	541	4	109	0	869	80	75	6	51	3	3	0	5	5	0	
September	1310	225	96	4	14	246	250	240	10	0	0	0	311	0	0	62	171	1035	460	552	2	87	(171)	517	60	51	5	55	0	0	0	4	4	0	
October	1400	180	112	7	16	291	350	77	5	0	0	0	321	0	0	68	0	1289	511	554	2	34	0	438	35	17	3	70	0	0	0	3	3	0	
November	1369	150	24	0	16	401	328	48	0	15	0	0	533	352	0	71	29	1598	490	347	0	24	(29)	529	45	53	3	60	2	2	0	2	2	0	
December	1470	111	0	1	7	504	403	112	5	10	0	0	809	603	84	2	28	2098	338	99	1	10	(10)	747	0	21	1	0	12	1	11	3	2	1	
Total	14427	955	377	12	62	0	504	1456	602	20	25	0	809	5442	3148	104	302	210	2098	6078	4374	29	719	-209	747	426	465	28	0	29	18	11	41	40	1

(*) Adj / Notes:
 September 2016 - GWD transferred 170.64 AF SWP water to City of SB per overlap agreement
 November 2016 - GWD transferred 28.6 AF SWP water to City of SB per overlap agreement (monthly reconciliation)
 December 2016 - GWD transferred 10.12 AF SWP water to City of SB per overlap agreement (monthly reconciliation)

Month	Total Delivered to Lake per CCWA	CVWD						MWD						CITY OF SB						GWD						LCMWC				RSYS			MLC		
		Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Stored in Lake	
2017																																			
Bal. Frwd						504										809													0			11			1
January	1437	219	0	1	2	720	357	58	3	3	0	1102	357	273	4	8	10	2179	467	58	0	3	(10)	1144	35	10	2	23	0	0	11	2	2	1	
February	1250	196	96	4	7	809	296	25	2	10	0	1361	296	197	5	21	0	2252	445	50	0	11	0	1528	15	29	2	7	0	0	11	2	2	1	
March	990	135	180	4	7	753	226	76	2	12	0	1498	226	112	7	20	0	2340	339	190	0	13	0	1664	59	34	0	33	4	4	11	1	1	1	
April	634	96	134	17	11	686	144	180	23	22	0	1417	144	210	21	35	0	2218	217	567	3	25	0	1286	29	55	1	6	3	3	11	1	1	1	
May	1165	168	372	39	14	429	258	229	24	29	0	1392	258	80	49	46	0	2301	388	520	3	27	0	1124	86	63	0	29	4	3	12	3	4	0	
June	1026	153	377	13	10	182	230	293	10	33	0	1286	230	252	17	55	0	2208	345	958	2	27	0	483	60	34	1	54	4	4	12	4	4	0	
July	1151	165	327	12	5	3	254	321	12	34	0	1174	255	247	24	58	0	2134	383	850	3	13	0	84	74	1	62	4	4	12	6	6	0		
August (*)	1006	144	232	0	0	85	0	223	333	0	37	71	1098	223	210	67	119	2199	334	345	0	0	11	0	74	92	2	42	4	4	12	4	4	0	
September	1190	175	153	22	0	0	263	288	36	39	0	997	263	187	16	78	0	2181	395	392	3	0	0	0	88	21	1	108	0	0	12	6	0	6	
October	1048	147	139	8	0	0	244	348	19	15	0	860	244	352	13	32	0	2028	367	365	2	0	0	0	46	81	2	71	0	0	12	0	0	6	
December	0																																		
Total	10897	1598	2010	120	56	85	0	2495	2150	131	233	71	860	2496	2119	156	419	129	2028	3680	4295	16	117	1	0	576	493	12	71	23	22	12	29	24	6

(*) Adj / Notes:
 January 2017 - GWD transferred 18.12 AF SWP water to City of SB per overlap agreement
 August 2017 - Includes credit adjustment for water loss charged to South Coast Member Units (Mar - Jul) based email from Michael Jackson, dated 09/15/17, which revised the approach to the assess for unaccounted-for water loss based on lake conditions.

Total SC Storage at month end (AF): 2889

Total Storage at month end (AF): 2978

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

Contract Year: 10/1/17 to: 9/30/18

Contract Entity: **Goleta Water District**
 Last updated by C.O.M.B. 10/31/17

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	3,088.0	3,728.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	3,088.0	3,728.0

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED					
Acre-feet			Evap			Used			Allocation		Allocation	
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total		
570.6	170.4	741.1	45.1	741.1	786.2	605.4	180.8	0.0	0.0	0.0		
-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-		
570.6	170.4	741.1	45.1	741.1	786.2	605.4	180.8	0.0	0.0	0.0		

CONVERSIONS (M&I AND AG SPLIT)					
CARRYOVER WATER			CURR YR ALLOCATION		
Month	M & I	Agr	M & I	Agr	
Oct	-	-	-	-	
Nov	-	-	-	-	
Dec	-	-	-	-	
Jan	-	-	-	-	
Feb	-	-	-	-	
Mar	-	-	-	-	
Apr	-	-	-	-	
May	-	-	-	-	
Jun	-	-	-	-	
Jul	-	-	-	-	
Aug	-	-	-	-	
Sep	-	-	-	-	

SCHEDULE AND REVISIONS				SCHEDULE AND REVISIONS			
Allocation				Allocation			
	Total	M & I	Agr	M & I	Agr	Total	
Begin Bal	3,088.0	1,976.0	1,112.0	2,609.0	1,119.0	3,728.0	
Oct	-	-	-	-	-	-	
Nov	-	-	-	-	-	-	
Dec	-	-	-	-	-	-	
Jan	-	-	-	-	-	-	
Feb	-	-	-	-	-	-	
Mar	-	-	-	-	-	-	
Apr	-	-	-	-	-	-	
May	-	-	-	-	-	-	
Jun	-	-	-	-	-	-	
Jul	-	-	-	-	-	-	
Aug	-	-	-	-	-	-	
Sep	-	-	-	-	-	-	

BALANCE - CARRYOVER WATER				BALANCE - CURR YR ALLOC			
Allocation				Allocation			
	Total	M & I	Agr	M & I	Agr	Total	
Oct	2,301.8	1,370.6	931.2	2,609.0	1,119.0	3,728.0	
Nov	-	-	-	-	-	-	
Dec	-	-	-	-	-	-	
Jan	-	-	-	-	-	-	
Feb	-	-	-	-	-	-	
Mar	-	-	-	-	-	-	
Apr	-	-	-	-	-	-	
May	-	-	-	-	-	-	
Jun	-	-	-	-	-	-	
Jul	-	-	-	-	-	-	
Aug	-	-	-	-	-	-	
Sep	-	-	-	-	-	-	

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **6,029.8**

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

Contract Year: 10/1/17 to: 9/30/18

Contract Entity: **City of Santa Barbara**
 Last updated by C.O.M.B. 10/31/17

Month	Carryover Balance		Approved Allocation		CARRYOVER WATER			CURRENT YEAR ALLOCATION					
	Prior Yr	Curr Yr	TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED				
			Acre-feet						Allocation		Allocation		Total
	M & I	Agri	Total	Evap	Used	Total	M & I	-----	M & I	-----			
Oct	3,988.0	3,311.0	0.0	0.0	0.0	58.3	-	58.3	58.3	-	0.0	0.0	0.0
Nov	-	-	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-	-	-
Jan	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	3,988.0	3,311.0	-	-	-	58.3	-	58.3	58.3	-	-	-	-

Month	CONVERSIONS (M&I AND AG SPLIT)			
	CARRYOVER WATER		CURR YR ALLOCATION	
	M & I	Agri	M & I	Agri
Oct	-	-	-	-
Nov	-	-	-	-
Dec	-	-	-	-
Jan	-	-	-	-
Feb	-	-	-	-
Mar	-	-	-	-
Apr	-	-	-	-
May	-	-	-	-
Jun	-	-	-	-
Jul	-	-	-	-
Aug	-	-	-	-
Sep	-	-	-	-

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	-----	M & I	-----	
Begin Bal	3,988.0	3,988.0	-	3,311.0	-	3,311.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Allocation		Total
		M & I	-----	M & I	-----	
Oct	3,929.7	3,929.7	-	3,311.0	-	3,311.0
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **7,240.7**

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

Contract Year: 10/1/17 to: 9/30/18

Contract Entity: **Montecito Water District**
 Last updated by C.O.M.B. 10/31/17

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
	Oct	1,011.0
Nov		
Dec		
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Total	1,011.0	1,060.0

CARRYOVER WATER				CURRENT YEAR ALLOCATION						
TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED				
Acre-feet			Allocation			Allocation				
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
0.0	0.0	0.0	14.8	-	14.78	11.6	3.2	0.0	0.0	0.0
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	14.8	-	14.8	11.6	3.2	-	-	-

CONVERSIONS (M&I AND AG SPLIT)					
CARRYOVER WATER			CURR YR ALLOCATION		
M & I	Agr		M & I	Agr	
-	-		-	-	
-	-		-	-	
-	-		-	-	
-	-		-	-	
-	-		-	-	
-	-		-	-	
-	-		-	-	
-	-		-	-	
-	-		-	-	
-	-		-	-	
-	-		-	-	
-	-		-	-	

Month
 Oct
 Nov
 Dec
 Jan
 Feb
 Mar
 Apr
 May
 Jun
 Jul
 Aug
 Sep

SCHEDULE AND REVISIONS				SCHEDULE AND REVISIONS			
	Total	Allocation		Allocation		Total	
		M & I	Agr	M & I	Agr		
Begin Bal	1,011.0	794.0	217.0	986.0	74.0	1,060.0	
Oct		-	-	-	-	-	
Nov		-	-	-	-	-	
Dec		-	-	-	-	-	
Jan		-	-	-	-	-	
Feb		-	-	-	-	-	
Mar		-	-	-	-	-	
Apr		-	-	-	-	-	
May		-	-	-	-	-	
Jun		-	-	-	-	-	
Jul		-	-	-	-	-	
Aug		-	-	-	-	-	
Sep		-	-	-	-	-	

Month
 Oct
 Nov
 Dec
 Jan
 Feb
 Mar
 Apr
 May
 Jun
 Jul
 Aug
 Sep

BALANCE - CARRYOVER WATER				BALANCE - CURR YR ALLOC			
	Total	Allocation		Allocation		Total	
		M & I	Agr	M & I	Agr		
	996.2	782.4	213.8	986.0	74.0	1,060.0	
Oct							
Nov							
Dec							
Jan							
Feb							
Mar							
Apr							
May							
Jun							
Jul							
Aug							
Sep							

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **2,056.2**

SUMMARY OF WATER USED

CACHUMA PROJECT - CONTRACT #I75R-1802

Contract Year: 10/1/17 to: 9/30/18

Contract Entity: **Carpinteria Valley Water District**
Last updated by C.O.M.B. 10/31/17

Month	Carryover	Approved
	Balance	Allocation
	Prior Yr	Curr Yr
Oct	800.0	1,125.0
Nov		
Dec		
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Total	800.0	1,125.0

TOTAL WATER CHARGED			WATER USE CHARGED			WATER USE CHARGED		
Acre-feet			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	Total
85.9	121.2	207.1	11.7	207.1	218.8	90.7	128.1	0.0
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
85.9	121.2	207.1	11.7	207.1	218.8	90.7	128.1	0.0

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
Month	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	800.0	340.0	460.0	518.0	607.0	1,125.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
Month	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
	581.2	249.3	331.9	518.0	607.0	1,125.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **1,706.2**

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

Contract Year: 10/1/17 to: 9/30/18

Contract Entity: **Santa Ynez River Water Conservation District, ID#1**
 Last updated by C.O.M.B. 10/31/17

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
	Oct	16.0
Nov		
Dec		
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Total	16.0	1,060.0

Month	TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED			
	M & I	Agr	Total	Evap	Used	Total	Allocation		Allocation	
							M & I	Agr	M & I	Agr
Oct	2.4	0.0	2.4	0.2	2.4	2.6	2.6	0.0	0.0	0.0
Nov	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-
Jan	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-
Total	2.4	0.0	2.4	0.2	2.4	2.6	2.6	0.0	0.0	0.0

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
2.6	(2.6)	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Month
 Oct
 Nov
 Dec
 Jan
 Feb
 Mar
 Apr
 May
 Jun
 Jul
 Aug
 Sep

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	16.0	0.0	16.0	710.0	350.0	1,060.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

*NOTE:

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	County Parks Usage (AF)	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	2.4	-	13.4	710.0	350.0	1,060.0
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **1,073.4**

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

Contract Year: 10/1/17 to: 9/30/18

Contract Entity: **Santa Barbara Co. Water Agency**
 Last updated by C.O.M.B. 10/31/17

Month	Carryover Balance		Approved Allocation		CARRYOVER WATER				CURRENT YEAR ALLOCATION					
	Prior Yr	Curr Yr	TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED					
			Acre-feet			Allocation			Allocation					
			Use %	M & I	Agr	Total	Evap	Div	Total	M & I	Agr	M & I	Agr	Total
Oct	8,903.0	10,284.0	0.1	658.9	291.7	950.6	130.2	950.6	1,080.8	768.7	312.1	0.0	0.0	0.0
Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	8,903.0	10,284.0	0.1	658.9	291.7	950.6	130.2	950.6	1,080.8	768.7	312.1	0.0	0.0	0.0

Month	CONVERSIONS (M&I AND AG)			
	CARRYOVER WATER		CURR YR ALLOCATION	
	M & I	Agr	M & I	Agr
Oct	2.6	(2.6)	-	-
Nov	-	-	-	-
Dec	-	-	-	-
Jan	-	-	-	-
Feb	-	-	-	-
Mar	-	-	-	-
Apr	-	-	-	-
May	-	-	-	-
Jun	-	-	-	-
Jul	-	-	-	-
Aug	-	-	-	-
Sep	-	-	-	-

Month	SCHEDULE AND REVISIONS				SCHEDULE AND REVISIONS			
	Begin Bal	Total	Allocation		Allocation		Total	
			M & I	Agr	M & I	Agr		
Oct	8,903.0	7,098.0	1,805.0	8,134.0	2,150.0	10,284.0		
Nov	-	-	-	-	-	-		
Dec	-	-	-	-	-	-		
Jan	-	-	-	-	-	-		
Feb	-	-	-	-	-	-		
Mar	-	-	-	-	-	-		
Apr	-	-	-	-	-	-		
May	-	-	-	-	-	-		
Jun	-	-	-	-	-	-		
Jul	-	-	-	-	-	-		
Aug	-	-	-	-	-	-		
Sep	-	-	-	-	-	-		

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	County Parks Usage (AF)	Total	Allocation		Allocation		
			M & I	Agr	M & I	Agr	
Oct	2.4	7,822.2	6,332.0	1,490.3	8,134.0	2,150.0	10,284.0
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **18,106.2**



CACHUMA DAILY OPERATIONS

Month & Year: November 2017

Time of Observations: 0830

Evaporation Pan Factor: 72%

Day	Beginning Storage: 77,617			Surface Area acres	Rainfall inches	Rainfall acre-feet	Evap. inches	Evap. acre-feet	CCWA Inflow acre-feet	Releases					Computed Inflow acre-feet	
	Elevation ft	Storage acre-feet	Change acre-feet							S. Coast acre-feet	Hilton acre-feet	WR8918 acre-feet	Outlet acre-feet	Spillway acre-feet		
1	703.26	77485	-132	1655			0.150	14.9			54.6	3.0	82.0			22.4
2	703.16	77320	-165	1653			0.150	14.9			75.3	3.0	60.0			-12.0
3	703.11	77238	-83	1651			0.141	14.0			51.9	4.0	50.0			37.3
4	703.06	77155	-83	1650			0.152	15.1			50.1	3.0	40.0			25.6
5	703.00	77056	-99	1649	0.05	6.9	0.225	22.3			52.3	4.0	39.0			11.6
6	702.93	76940	-116	1647			0.150	14.8			48.5	3.0	38.0			-11.3
7	702.87	76841	-99	1646			0.107	10.6			73.2	4.0	24.0			12.7
8	702.79	76709	-132	1644			0.141	13.9			88.5	3.0	8.0			-18.7
9	702.76	76660	-50	1643			0.097	9.6			89.2	4.0		3.0		56.2
10	702.68	76528	-132	1642			0.101	9.9			74.1	3.0		4.0		-41.1
11	702.65	76478	-50	1641			0.082	8.1			73.7	4.0		3.0		39.2
12	702.59	76380	-99	1640			0.129	12.7			60.6	3.0		4.0		-18.2
13	702.56	76331	-49	1639			0.072	7.1			53.2	3.0		4.0		18.3
14	702.51	76249	-82	1638			0.107	10.5			52.7	4.0		3.0		-11.4
15	702.48	76200	-49	1638			0.202	19.9			53.5	4.0		2.0		30.4
16	702.43	76118	-82	1637			0.131	12.9			69.4	3.0		4.0		7.7
17	702.37	76020	-98	1636			0.093	9.1			73.3	4.0		3.0		-8.5
18	702.32	75939	-82	1635			0.081	7.9			58.6	3.0		4.0		-8.1
19	702.28	75874	-65	1635			0.109	10.7			43.5	4.0		3.0		-4.1
20	702.28	75874	0	1635			0.122	12.0	32.4		37.6	3.0		4.0		24.2
21	702.26	75841	-33	1634			0.121	11.9	9.5		36.9	4.0		3.0		13.6
22																
23																
24																
25																
26																
27																
28																
29																
30																

TOTALS		-1776			0.05	6.9	2.663	262.5	0.0	41.9	0.0	1,270.7	73.0	341.0	44.0	0.0	166.0
---------------	--	-------	--	--	------	-----	-------	-------	-----	------	-----	---------	------	-------	------	-----	-------

Park Usage

Rain %

Yr. Total



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



**Summary of Aquatic Invasive Species Vessel Inspection Program
and Early Detection Monitoring Program: **October 2017****

Cachuma Lake Recreation Area Launch Data -- October 2017		
Inspection Data		
Total Vessels entering Park	112	
Total Vessels launched	103	
Total Vessels Quarantined	9	
Returning with Boat Launch Tag	79	77%
New: Removed from Quarantine	*	
Kayak/Canoe: Inspected, launched	24	23%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
Quarantine Data		
Total Vessels Quarantined	9	
Quarantined 7 days	*	
Quarantined 14 days	*	
Quarantined 30 days	9	
Quarantine Cause		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	0	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	9	
Demographic Data		
Quarantined from infected county	0	
Quarantined from SB County	9	
Quarantined from uninfected co	0	

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

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

* 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: 2017.10.27; 10:00 – 12:00 PDT
 Method: 4 PVC/Cement Sampling Stations; 52 linear feet of line
 Surveyors: Rosey Bishop, John Viggianelli (SBCO Parks)
 Lake elevation: Max feet: 753.00, current: 704.14; Max acre-feet: 193,305, current: 78,953;
 Current capacity: 40.80%