

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

held at

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

Monday, March 26, 2018

2:00 PM

AGENDA

1. **CALL TO ORDER, ROLL CALL**
2. **PUBLIC COMMENT** (*Public may address the Board on any subject matter not on the agenda and within the Board's jurisdiction. See "Notice to the Public" below. Please make your comments from the podium once acknowledged by the President of the Board.*)
3. **CONSENT AGENDA** (*All items on the Consent Agenda are considered to be routine and will be approved or rejected in a single motion. Any item placed on the Consent Agenda may be removed and placed on the Regular Agenda for discussion and possible action upon the request of any Board Member.*)
Action: Recommend Approval of Consent Agenda by motion and roll call vote of the Board:
 - a. Minutes of February 26, 2018 Regular Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Review of Paid Claims
4. **RESOLUTION NO. 658 – APPROVAL AND RATIFICATION OF EXPENDITURES FOR EMERGENCY CONTRACT WORK**
Action: Recommend approval by motion and roll call vote of the Board
5. **APPOINTMENT OF REPRESENTATIVE TO CACHUMA PROJECT TRUST FUND AND RENEWAL FUND COMMITTEE AND BETTERMENT FUND USE OF FUNDS DISCUSSION**
Action: Approve Appointment of Representative by motion and roll call vote of the Board
6. **GENERAL MANAGER REPORT**
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
 - Meetings
 - Administration
 - Engineering/Operations Administration
 - Fisheries Division Activities

7. **WATER RESOURCES ENGINEER REPORT**
Receive information from the Water Resources Engineer, including but not limited to the following:
 - Update on March 20-22 Storm Impacts
 - Emergency Pumping Facility Project
 - Infrastructure Improvement Projects

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**

- **April 23, 2018 at 2:00 PM, 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 REGULAR MEETING
of the
CACHUMA OPERATION AND MAINTENANCE BOARD
held at
3301 Laurel Canyon Road, Santa Barbara, CA
Monday, February 26, 2018

1. Call to Order, Roll Call

The meeting was called to order at 2:00 p.m. by President Morgan who chaired the meeting. Those in attendance were:

Directors Present:

W. Douglas Morgan, Montecito Water District
Kristen Sneddon, City of Santa Barbara
Polly Holcombe, 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	William Carter, General Counsel
Tim Robinson, Fisheries Division Manager	Carinna Butler, Admin Asst. II

Others Present:

Kelley Dyer, City of SB Public Works	Fray Crease, SB County Water Agency
Philip Walker, Santa Barbara resident	Eric Friedman, Santa Barbara resident
Bob McDonald, Carpinteria Valley Water District	Duane Stroup, Bureau of Reclamation
Chris Dahlstrom, SYRWCD, ID No. 1	Paeter Garcia, SYRWCD, ID No. 1
Peter Cantle, CCRB	Danna McGrew, Bartlett, Pringle Wolf LLP
Nina Pisani, Bartlett, Pringle Wolf LLP	

2. Public Comment

Mr. Walker shared with the Board a study on the Bureau of Reclamation and the pan evaporation method and touched briefly on the ozone column degradation.

Mr. Garcia shared with the Board his view on the matter concerning Santa Ynez River Water Conservation District (SYRWCD) ID No. 1 currently under consideration.

3. Consent Agenda

Ms. Gingras presented the Consent Agenda as provided in the board packet. Ms. Gingras fielded questions from the Board.

a. Minutes

- Minutes of January 22, 2018 Regular Board Meeting

b. Investment of Funds

- Financial Reports
- Investment Reports

c. Review of Paid Claims

Director Holcombe made a motion to approve the Consent Agenda as presented. Seconded by Director Hanson; the motion passed by 6/0/1/0 vote:

Ayes: Sneddon, Holcombe, Hanson, Morgan

Nayes:

Absent: Walsh

Abstain:

4. Verbal Reports From Board Committees

- *Operations Committee Meeting – February 8, 2018:* Director Morgan presented the items and noted that the items will be discussed separately within staff reports.
- *Administrative Committee Meeting – February 8, 2018:* Director Morgan presented the items and noted that the items will be discussed separately within staff reports.
- *Fisheries Committee Meeting – February 21, 2018:* Director Holcombe presented the items and noted that each item was an action item on the agenda or reported on within staff reports.

5. Bartlett, Pringle Wolf LLP Presentation of Comprehensive Annual Financial Report (CAFR) – Fiscal Year Ending June 30, 2017

Ms. McGrew and Ms. Pisani of Bartlett, Pringle Wolf LLP (BPW) presented COMB's Comprehensive Annual Financial Report (CAFR) as provided in the board packet. BPW issued an unmodified (clean) opinion with respect to the financial statements. Ms. McGrew reported full cooperation from COMB staff and indicated there were no significant accounting issues or restatements to report. Director Morgan indicated a discrepancy on the map legend of Cachuma Project Facilities contained in the statistical section of the report. BPW also presented a single audit report as a requirement of COMB Federal grant expenditures in FY 2016-17. BPW issued an unmodified (clean) opinion on COMB's compliance for each major federal program. Ms. McGrew and Ms. Pisani fielded questions from the Board. Director Holcombe made a motion (as modified) to receive and file the CAFR and Single Audit Report. Seconded by Director Hanson; the motion passed by 6/0/1/0 vote:

Ayes: Sneddon, Holcombe, Hanson, Morgan

Nayes:

Absent: Walsh

Abstain:

6. California State Controllers Report for Fiscal Year Ending June 30, 2017

Ms. McGrew and Ms. Pisani presented the California State Controllers Report as provided in the board packet. The report was filed on time and there were no issues to report. Ms. McGrew and Ms. Pisani fielded questions from the Board. Director Holcombe made a motion to file the California State Controllers Report. Seconded by Director Sneddon; the motion passed by 6/0/1/0 vote:

Ayes: Sneddon, Holcombe, Hanson, Morgan

Nays:

Absent: Walsh

Abstain:

7. Resolution No. 655 – Declaration of Emergency, Authorization for Performance of Remedial Work Without Competitive Bid Solicitation, Declaring Project Exempt from CEQA

Ms. Gingras presented Resolution No. 655 as provided in the board packet. Due to the storm event in January, nine structures have been affected and are in need of remedial work. This event and the aftermath are still considered an emergency under FEMA regulations. The Request for Public Assistance (RPA) application was filed on January 30th; COMB staff had an exploratory call with FEMA on February 14th and on February 20th. A site visit was conducted on February 23rd with FEMA and CalOES staff. Director Holcombe congratulated COMB staff on how quickly progress is being made on this project. Ms. Gingras fielded questions from the Board. Director Holcombe made a motion to adopt Resolution No. 655. Seconded by Director Sneddon; the motion passed by 6/0/1/0 vote:

Ayes: Sneddon, Holcombe, Hanson, Morgan

Nays:

Absent: Walsh

Abstain:

8. Resolution No. 656 – Application to U.S. Bureau Of Reclamation WaterSMART Drought Response Grant Program

Ms. Gingras presented Resolution No. 656 as provided in the board packet. Ms. Gingras updated the Board with information that the Bureau installed a new evaporation pan in mid-February. Comb staff will continue to monitor the evaporation data and report observations back to the Board. Ms. Gingras fielded questions from the Board. Director Holcombe made a motion to adopt Resolution No. 656. Seconded by Director Hanson; the motion passed by 6/0/1/0 vote:

Ayes: Sneddon, Holcombe, Hanson, Morgan

Nays:

Absent: Walsh

Abstain:

9. Department of Fish and Wildlife Grant Application – Quiota Creek Crossing Eight

Mr. Robinson presented the memorandum as provided in the board packet. Mr. Robinson provided a detailed background on the Quiota Creek Crossing Eight project and the potential need to seek alternative grant funding due to an over-commitment of County grant resources. Director Holcombe highlighted that the bridge is in need of replacement and a potential impediment to fish if the structure failed during a large storm event. Mr. Robinson fielded questions from the Board. Mr. Eric Friedman provided public comment regarding the selection criteria for awarding grants based on his direct volunteer experience on the Fisheries Restoration Program. Director Morgan asked that COMB continue to lobby the County to fund this project. Director Holcombe made a motion to approve a construction match obligation of \$50,000 and authorize staff to submit a CDFW-FRGP grant application for Quiota Creek Crossing Eight Project. Seconded by Director Hanson; the motion passed by 5/1/1/0 vote:

Ayes: Sneddon, Holcombe, Hanson

Nayes: Morgan

Absent: Walsh

Abstain:

10. Resolution No. 657 – Acceptance of Grant Agreement with California Department of Fish and Wildlife for the Fish Passage Improvement at Quiota Creek Crossing Nine

Mr. Robinson presented Resolution No. 657 as provided in the board packet highlighting that COMB was the only entity from Santa Barbara County to receive funding from this grant. Mr. Robinson fielded questions from the Board. Director Holcombe made a motion to adopt Resolution No. 657. Seconded by Director Hanson; the motion passed by 6/0/1/0 vote:

Ayes: Sneddon, Holcombe, Hanson, Morgan

Nayes:

Absent: Walsh

Abstain:

11. General Manager Report

- Meetings
- Administration
- Operations Division
- Fisheries Division

Ms. Gingras presented topics within her report as provided in the board packet highlighting the FEMA and Member Agency General Manager meetings. Ms. Gingras updated the Board regarding a meeting with California State Senator Hannah-Beth Jackson to discuss operational conveyance plans at the Lake contingent upon the continuation of a drought situation. Senator Jackson is reviewing if potential funding support exists for assistance with costs of re-installing the barge system and components. Ms. Gingras also mentioned the FY 2018-19 Operating Budget and the website update project. Ms. Gingras fielded questions from the Board.

12. Water Resources Engineer Report

- Emergency Operational Repairs
- Current Drought Conditions
- Lake Cachuma Elevation Projection Model
- Right-of-Way Program

Mr. Degner presented the monthly Water Resources Engineer Report as provided in the board packet highlighting the GIS/GPS system has been extremely valuable with marking and monitoring the conduit during the emergency event. Mr. Degner also reported on current drought conditions, the Lake Cachuma Elevation Projection Model and updated the Board on the Right-of-Way Program. Mr. Degner fielded questions from the Board.

13. Operations Division Report

- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. Degner presented the report on behalf of the Operations Division Manager as incorporated in the board packet. Mr. Degner updated the Board on the Infrastructure Improvement Plan projects along with a detailed summary of the Division's tasks and objectives for January. Mr. Degner fielded questions from the Board.

14. Fisheries Division Report

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

Mr. Robinson presented topics within his report as incorporated in the board packet. Mr. Robinson offered further detail on recent Fisheries Division activities and fielded questions from the Board.

15. Progress Report on Lake Cachuma Oak Tree Program

- Maintenance and Monitoring

Mr. Robinson presented topics within his report as incorporated in the board packet. Mr. Robinson highlighted staff's ongoing mitigation efforts for the Oak Tree Program as a result of the ongoing drought situation. Mr. Robinson fielded questions from the Board.

16. 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 incorporated in the board packet. Ms. Gingras fielded questions from the Board.

17. Directors' Request for Agenda Items for Future Meeting

- There were no agenda item requests.

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

The Board went into closed session at 4:06 PM

- a. [Government Code Section 54956.9(d)(4)]**

Name of matter: Protest of Member Agency re: Payment of Quarterly Assessments

19. RECONVENE INTO OPEN SESSION

[Government Code Section 54957.7]

Disclosure of actions taken in closed session, as applicable

[Government Code Section 54957.1]

The Board came out of closed session at 5:06 PM

There was no reportable action.

20. Meeting Schedule

- **March 26, 2018 at 2:00 PM, COMB Office**
- **Board Packages Available on COMB Website**
www.cachuma-board.org

21. COMB Adjournment

There being no further business, the meeting adjourned at 5:07 PM.

Respectfully submitted,

Janet Gingras, Secretary of the Board

APPROVED:

	<i>Approved</i>
✓	<i>Unapproved</i>

Doug Morgan, President of the Board

Cachuma Operation & Maintenance Board
Statement of Net Position
As of February 28, 2018
UNAUDITED FINANCIALS

ASSETS

Current Assets

Checking/Savings

Trust Funds

1210 · Warren Act Trust Fund 1,096,694.64

1220 · Renewal Fund 10,215.61

Total Trust Funds 1,106,910.25

1050 · General Fund 1,333,467.17

1100 · Revolving Fund 17,084.43

Total Checking/Savings 2,457,461.85

Accounts Receivable

1320 · Qrtly Assessments Receivable 230,738.00

Total Accounts Receivable 230,738.00

Other Current Assets

1010 · Petty Cash 500.00

1200 · LAIF 824,836.61

1303 · Bradbury SOD Act Assessments Receivable 190,101.00

1304 · Lauro Dam SOD Assessments Receivable 29,472.92

1400 · Prepaid Insurance 19,432.72

Total Other Current Assets 1,064,343.25

Total Current Assets 3,752,543.10

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 Assessments Receivable 4,875,720.07

1920 · LT Lauro SOD Act Assessments Receivable 865,427.91

1922 · Deferred Outflow of Resources (GASB 68) 422,161.00

Total Other Assets 6,163,308.98

TOTAL ASSETS 10,063,163.44

Cachuma Operation & Maintenance Board
Statement of Net Position
As of February 28, 2018
UNAUDITED FINANCIALS

LIABILITIES & NET POSITION

Liabilities

Current Liabilities

Accounts Payable

2200 · Accounts Payable 62,064.00

Total Accounts Payable 62,064.00

Other Current Liabilities

2510 · Accrued Expenses 56,346.87

2550 · Accrued 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 66,595.00

2567 · Loan Payable Current EPFP 402,389.08

2590 · Deferred Revenue 1,106,910.25

Total Other Current Liabilities 1,995,211.62

Total Current Liabilities 2,057,275.62

Long Term Liabilities

2602 · LT SOD Act Liability-Bradbury 4,791,485.68

2603 · LT SOD Act Liability - Lauro 848,419.12

2604 · OPEB LT Liability 1,054,948.00

2605 · Loan Payable Principal - EPFP 1,081,671.36

2610 · Net Pension Liability (GASB 68) 1,527,915.00

2611 · Deferred Inflow of Resources (GASB 68) 149,427.00

Total Long Term Liabilities 9,453,866.16

Total Liabilities 11,511,141.78

Net Position

3000 · Opening Bal Equity -1,356,592.05

3901 · Retained Net Assets -860,682.51

Net Income 769,296.22

Total Net Position -1,447,978.34

TOTAL LIABILITIES & NET POSITION 10,063,163.44

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

	Fisheries				Operations				TOTAL			
	Jul '17 - Feb 18	Budget	\$ Over Budget	% of Budget	Jul '17 - Feb 18	Budget	\$ Over Budget	% of Budget	Jul '17 - Feb 18	Budget	\$ Over Budget	% of Budget
Revenue												
3000 REVENUE												
3001 · O&M Budget (Qtrly Assessments)	593,619.00	821,492.00	-227,873.00	72.26%	2,124,891.00	2,893,190.00	-768,299.00	73.45%	2,718,510.00	3,714,682.00	-996,172.00	73.18%
3006 · Warren Act	100,389.88	620,361.00	-519,971.12	16.18%	0.00				100,389.88	620,361.00	-519,971.12	16.18%
3009 · Pmts - Member Agencies - EPPF	0.00				231,725.12				231,725.12	0.00	231,725.12	100.0%
3010 · Interest Income	0.00				7,613.32				7,613.32	0.00	7,613.32	100.0%
3020 · Misc Income	8,122.74				295.13				8,417.87	0.00	8,417.87	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%
3038 · Log Boom Match	0.00				30,000.00				30,000.00	0.00	30,000.00	100.0%
3090 · Proceeds - Disp of Fixed Asset	4,019.00				0.00				4,019.00	0.00	4,019.00	100.0%
Total 3000 REVENUE	706,150.62	2,425,140.00	-1,718,989.38	29.12%	2,394,524.57	2,893,190.00	-498,665.43	82.76%	3,100,675.19	5,318,330.00	-2,217,654.81	58.3%
Total Revenue	706,150.62	2,425,140.00	-1,718,989.38	29.12%	2,394,524.57	2,893,190.00	-498,665.43	82.76%	3,100,675.19	5,318,330.00	-2,217,654.81	58.3%
Gross Profit	706,150.62	2,425,140.00	-1,718,989.38	29.12%	2,394,524.57	2,893,190.00	-498,665.43	82.76%	3,100,675.19	5,318,330.00	-2,217,654.81	58.3%
Expense												
3100 · LABOR - OPERATIONS	0.00				429,195.83	789,107.00	-359,911.17	54.39%	429,195.83	789,107.00	-359,911.17	54.39%
3200 VEH & EQUIPMENT												
3201 · Vehicle/Equip Mtce	0.00				23,712.36	30,000.00	-6,287.64	79.04%	23,712.36	30,000.00	-6,287.64	79.04%
3202 · Fixed Capital	0.00				1,358.73	15,000.00	-13,641.27	9.06%	1,358.73	15,000.00	-13,641.27	9.06%
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				3,138.90	5,000.00	-1,861.10	62.78%	3,138.90	5,000.00	-1,861.10	62.78%
Total 3200 VEH & EQUIPMENT	0.00				29,268.72	55,000.00	-25,731.28	53.22%	29,268.72	55,000.00	-25,731.28	53.22%
3300 · CONTRACT LABOR												
3301 · Conduit, Meter, Valve & Misc	0.00				7,111.57	20,000.00	-12,888.43	35.56%	7,111.57	20,000.00	-12,888.43	35.56%
3302 · Buildings & Roads	0.00				4,054.90	20,000.00	-15,945.10	20.28%	4,054.90	20,000.00	-15,945.10	20.28%
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				11,166.47	95,000.00	-83,833.53	11.75%	11,166.47	95,000.00	-83,833.53	11.75%
3400 · MATERIALS & SUPPLIES												
3401 · Conduit, Meter, Valve & Misc	0.00				5,229.09	65,000.00	-59,770.91	8.05%	5,229.09	65,000.00	-59,770.91	8.05%
3402 · Buildings & Roads	0.00				4,567.53	8,000.00	-3,432.47	57.09%	4,567.53	8,000.00	-3,432.47	57.09%
3403 · Reservoirs	0.00				1,379.20	5,000.00	-3,620.80	27.58%	1,379.20	5,000.00	-3,620.80	27.58%
Total 3400 · MATERIALS & SUPPLIES	0.00				11,175.82	78,000.00	-66,824.18	14.33%	11,175.82	78,000.00	-66,824.18	14.33%
3500 · OTHER EXPENSES												
3501 · Utilities	0.00				4,675.08	7,000.00	-2,324.92	66.79%	4,675.08	7,000.00	-2,324.92	66.79%
3502 · Uniforms	0.00				2,992.41	5,000.00	-2,007.59	59.85%	2,992.41	5,000.00	-2,007.59	59.85%
3503 · Communications	0.00				13,068.49	18,000.00	-4,931.51	72.6%	13,068.49	18,000.00	-4,931.51	72.6%
3504 · USA & Other Services	0.00				1,438.45	4,000.00	-2,561.55	35.96%	1,438.45	4,000.00	-2,561.55	35.96%
3505 · Miscellaneous	0.00				5,915.62	8,000.00	-2,084.38	73.95%	5,915.62	8,000.00	-2,084.38	73.95%
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				28,210.75	45,000.00	-16,789.25	62.69%	28,210.75	45,000.00	-16,789.25	62.69%

	Fisheries				Operations				TOTAL			
	Jul '17 - Feb 18	Budget	\$ Over Budget	% of Budget	Jul '17 - Feb 18	Budget	\$ Over Budget	% of Budget	Jul '17 - Feb 18	Budget	\$ Over Budget	% of Budget
4100 · LABOR - FISHERIES	450,124.82	683,374.00	-233,249.18	65.87%	0.00				450,124.82	683,374.00	-233,249.18	65.87%
4200 · VEHICLES & EQUIP - FISHERIES												
4270 · Vehicle/Equip Mtce	16,670.82	15,000.00	1,670.82	111.14%	0.00				16,670.82	15,000.00	1,670.82	111.14%
4280 · Fixed Capital	731.62	15,000.00	-14,268.38	4.88%	0.00				731.62	15,000.00	-14,268.38	4.88%
4290 · Miscellaneous	2,910.59	2,500.00	410.59	116.42%	0.00				2,910.59	2,500.00	410.59	116.42%
Total 4200 · VEHICLES & EQUIP - FISHERIES	20,313.03	32,500.00	-12,186.97	62.5%	0.00				20,313.03	32,500.00	-12,186.97	62.5%
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	6,136.48	25,000.00	-18,863.52	24.55%	0.00				6,136.48	25,000.00	-18,863.52	24.55%
Total 4220 · CONTRACT LABOR - FISHERIES	6,240.48	28,000.00	-21,759.52	22.29%	0.00				6,240.48	28,000.00	-21,759.52	22.29%
4300 · MATERIALS/SUPPLIES - FISHERIES												
4390 · Miscellaneous	1,709.37	7,000.00	-5,290.63	24.42%	0.00				1,709.37	7,000.00	-5,290.63	24.42%
Total 4300 · MATERIALS/SUPPLIES - FISHERIES	1,709.37	7,000.00	-5,290.63	24.42%	0.00				1,709.37	7,000.00	-5,290.63	24.42%
4500 · OTHER EXPENSES - FISHERIES												
4502 · Uniforms	3,119.27	2,500.00	619.27	124.77%	0.00				3,119.27	2,500.00	619.27	124.77%
Total 4500 · OTHER EXPENSES - FISHERIES	3,119.27	2,500.00	619.27	124.77%	0.00				3,119.27	2,500.00	619.27	124.77%
4999 · GENERAL & ADMINISTRATIVE												
5000 · Director Fees	0.00				5,466.49	12,000.00	-6,533.51	45.55%	5,466.49	12,000.00	-6,533.51	45.55%
5001 · Director Mileage	0.00				426.52	1,000.00	-573.48	42.65%	426.52	1,000.00	-573.48	42.65%
5100 · Legal	0.00				23,094.80	75,000.00	-51,905.20	30.79%	23,094.80	75,000.00	-51,905.20	30.79%
5101 · Audit	0.00				16,732.90	21,625.00	-4,892.10	77.38%	16,732.90	21,625.00	-4,892.10	77.38%
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				3,044.76	5,000.00	-1,955.24	60.9%	3,044.76	5,000.00	-1,955.24	60.9%
5311 · Office Equip/Leases	0.00				5,014.37	9,200.00	-4,185.63	54.5%	5,014.37	9,200.00	-4,185.63	54.5%
5312 · Misc Admin Expenses	0.00				9,410.63	8,600.00	810.63	109.43%	9,410.63	8,600.00	810.63	109.43%
5313 · Communications	0.00				5,165.97	8,500.00	-3,334.03	60.78%	5,165.97	8,500.00	-3,334.03	60.78%
5314 · Utilities	0.00				5,619.28	9,737.00	-4,117.72	57.71%	5,619.28	9,737.00	-4,117.72	57.71%
5315 · Membership Dues	0.00				8,138.10	8,500.00	-361.90	95.74%	8,138.10	8,500.00	-361.90	95.74%
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				8,487.51	15,000.00	-6,512.49	56.58%	8,487.51	15,000.00	-6,512.49	56.58%
5325 · Emp Training/Subscriptions	0.00				2,185.63	2,000.00	185.63	109.28%	2,185.63	2,000.00	185.63	109.28%
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				504.32	1,000.00	-495.68	50.43%	504.32	1,000.00	-495.68	50.43%
5317 · Admin Contract Labor	0.00				711.20	7,500.00	-6,788.80	9.48%	711.20	7,500.00	-6,788.80	9.48%
Total 4999 · GENERAL & ADMINISTRATIVE	0.00				139,498.21	245,213.00	-105,714.79	56.89%	139,498.21	245,213.00	-105,714.79	56.89%
5299 · ADMIN LABOR	0.00				347,346.80	560,870.00	-213,523.20	61.93%	347,346.80	560,870.00	-213,523.20	61.93%
5400 · GENERAL & ADMIN - FISHERIES												
5407 · Legal - FD	2,847.40	20,000.00	-17,152.60	14.24%	0.00				2,847.40	20,000.00	-17,152.60	14.24%
5410 · Postage / Office Supplies	1,765.93	4,000.00	-2,234.07	44.15%	0.00				1,765.93	4,000.00	-2,234.07	44.15%
5411 · Office Equipment / Leases	2,700.01	5,218.00	-2,517.99	51.74%	0.00				2,700.01	5,218.00	-2,517.99	51.74%
5412 · Misc. Admin Expense	5,012.49	5,610.00	-597.51	89.35%	0.00				5,012.49	5,610.00	-597.51	89.35%
5413 · Communications	3,504.52	4,305.00	-800.48	81.41%	0.00				3,504.52	4,305.00	-800.48	81.41%
5414 · Utilities	3,025.72	5,243.00	-2,217.28	57.71%	0.00				3,025.72	5,243.00	-2,217.28	57.71%
5415 · Membership Dues	5,260.90	5,500.00	-239.10	95.65%	0.00				5,260.90	5,500.00	-239.10	95.65%
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%
5417 · Admin Contract Labor	382.96	4,000.00	-3,617.04	9.57%	0.00				382.96	4,000.00	-3,617.04	9.57%
5418 · Computer Consultant	4,570.15	5,000.00	-429.85	91.4%	0.00				4,570.15	5,000.00	-429.85	91.4%
5425 · Employee Education/Subscription	1,773.76	2,500.00	-726.24	70.95%	0.00				1,773.76	2,500.00	-726.24	70.95%

	Fisheries				Operations				TOTAL			
	Jul '17 - Feb 18	Budget	\$ Over Budget	% of Budget	Jul '17 - Feb 18	Budget	\$ Over Budget	% of Budget	Jul '17 - Feb 18	Budget	\$ Over Budget	% of Budget
5426 · Director Fees	2,943.50	6,500.00	-3,556.50	45.29%	0.00				2,943.50	6,500.00	-3,556.50	45.29%
5427 · Director Mileage	184.56	500.00	-315.44	36.91%	0.00				184.56	500.00	-315.44	36.91%
5430 · Travel	65.87	2,500.00	-2,434.13	2.64%	0.00				65.87	2,500.00	-2,434.13	2.64%
5431 · Public Information	271.55	1,500.00	-1,228.45	18.1%	0.00				271.55	1,500.00	-1,228.45	18.1%
5441 · Audt	8,633.10	7,175.00	1,458.10	120.32%	0.00				8,633.10	7,175.00	1,458.10	120.32%
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	65,379.52	107,296.00	-41,916.48	60.93%	0.00				65,379.52	107,296.00	-41,916.48	60.93%
5499 · ADMIN LABOR-FISHERIES	126,354.97	221,470.00	-95,115.03	57.05%	0.00				126,354.97	221,470.00	-95,115.03	57.05%
5510 · Integrated Reg. Water Mgt Plan	0.00				7,174.83	5,000.00	2,174.83	143.5%	7,174.83	5,000.00	2,174.83	143.5%
6000 · SPECIAL PROJECTS												
6062 · SCADA	0.00				1,027.14	20,000.00	-18,972.86	5.14%	1,027.14	20,000.00	-18,972.86	5.14%
6090 · COMB Office Building	0.00				357.71	20,000.00	-19,642.29	1.79%	357.71	20,000.00	-19,642.29	1.79%
6096 · SCC Structure Rehabilitation	0.00				68,509.68	225,000.00	-156,490.32	30.45%	68,509.68	225,000.00	-156,490.32	30.45%
6097 · GIS and Mapping	0.00				13,118.19	10,000.00	3,118.19	131.18%	13,118.19	10,000.00	3,118.19	131.18%
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				12,546.99	100,000.00	-87,453.01	12.55%	12,546.99	100,000.00	-87,453.01	12.55%
6120 · Emergency Pumping Fac Project	0.00				129,778.31	223,000.00	-93,221.69	58.2%	129,778.31	223,000.00	-93,221.69	58.2%
6120-2 · EPPF C/O FY 2016	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				69,030.28	103,694.45	-34,664.17	66.57%	69,030.28	103,694.45	-34,664.17	66.57%
6130-1 · NP Slope Stabil C/O Funds FY 16	0.00				0.00	-73,694.45	73,694.45	0.0%	0.00	-73,694.45	73,694.45	0.0%
6132 · Sycamore Canyon Slope Stabiliz	0.00				38,516.50	300,000.00	-261,483.50	12.84%	38,516.50	300,000.00	-261,483.50	12.84%
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				332,884.80	1,020,000.00	-687,115.20	32.64%	332,884.80	1,020,000.00	-687,115.20	32.64%
6200 · FISHERIES ACTIVITIES												
6201 · FMP Implementation	37,029.42	60,000.00	-22,970.58	61.72%	0.00				37,029.42	60,000.00	-22,970.58	61.72%
6202 · GIS and Mapping	12,560.25	10,000.00	2,560.25	125.6%	0.00				12,560.25	10,000.00	2,560.25	125.6%
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	52,825.00	100,000.00	-47,175.00	52.83%	0.00				52,825.00	100,000.00	-47,175.00	52.83%
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	11,263.14	40,000.00	-28,736.86	28.16%	0.00				11,263.14	40,000.00	-28,736.86	28.16%
Total 6200 · FISHERIES ACTIVITIES	113,677.81	233,000.00	-119,322.19	48.79%	0.00				113,677.81	233,000.00	-119,322.19	48.79%
6300 · HABITAT ENHANCEMENT												
6318 · Quiota Creek Crossing 9	3,969.30	30,000.00	-26,030.70	13.23%	0.00				3,969.30	30,000.00	-26,030.70	13.23%
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	154,821.48	960,000.00	-805,178.52	16.13%	0.00				154,821.48	960,000.00	-805,178.52	16.13%
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	158,790.78	1,110,000.00	-951,209.22	14.31%	0.00				158,790.78	1,110,000.00	-951,209.22	14.31%
7007 · INTEREST EXPENSE-EPPF	0.00				49,746.69				49,746.69	0.00	49,746.69	100.0%
Total Expense	945,710.05	2,425,140.00	-1,479,429.95	39.0%	1,385,668.92	2,893,190.00	-1,507,521.08	47.89%	2,331,378.97	5,318,330.00	-2,986,951.03	43.84%
Net Surplus/(Deficit)	-239,559.43	0.00	-239,559.43	100.0%	1,008,855.65	0.00	1,008,855.65	100.0%	769,296.22	0.00	769,296.22	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
March 19, 2018

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

February 2018 Statement

Account Summary

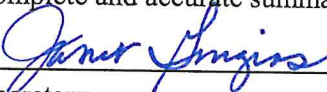
Total Deposit:	0.00	Beginning Balance:	824,836.61
Total Withdrawal:	0.00	Ending Balance:	824,836.61

MEMO TO: Board of Directors
Cachuma Operation & Maintenance Board

FROM: Janet Gingras, Secretary

SUBJECT: COMB INVESTMENT POLICY

The above statement of investment activity for the month of February, 2018, 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

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



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

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ACCOUNT ANALYSIS CHECKING

Account No
Statement Date 02/28/2018
Last Statement Date 01/31/2018

0	Statement Period		
Previous Balance	10,215.61	# Of Days-Stmt Period	28
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 February, 2018, 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



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

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ACCOUNT ANALYSIS CHECKING

Account No
Statement Date 02/28/2018
Last Statement Date 01/31/2018

0	Statement Period	
Previous Balance	1,096,694.64	# Of Days-Stmt Period 28
0 Deposits/Credits	0.00	
0 Checks/Withdrawals	0.00	Average Balance 1,096,694.64
Ending Balance	1,096,694.64	
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 February, 2018, 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 February 28, 2018

Date	Num	Name	Memo	Amount
1050 - General Fund				
02/06/2018	25858	Bunnin	Vehicle Repairs - Chevy 2500 - Vehicle #130 (Fish Div)	-241.72
02/06/2018	25859	Carpinteria Valley Lumber Company	Misc Supplies (Ops Div)	-46.71
02/06/2018	25860	CIRGIS	Aerial Imagery Data - Cachuma area and vicinity	-15,000.00
02/06/2018	25861	City of Santa-Barbara	Trash/Recycle - Jan 2018 (COMB Office)	-223.05
02/06/2018	25862	Culligan of Sylmar	Monthly RO system - Jan	-27.95
02/06/2018	25863	ECHO Communications	Monthly answering service	-73.20
02/06/2018	25864	Federal Express	Mailing (Fish Div)	-15.69
02/06/2018	25865	Flowers & Associates, Inc.	Engineering Svcs - Sycamore Canyon Slope Stabilization Proj	-34,836.50
02/06/2018	25866	Frontier Communications	Telephone - Main office/Outlying stations/SCADA	-361.80
02/06/2018	25867	Harrison Hardware	Misc Fisheries Supplies/Oak Tree Project Supplies	-491.93
02/06/2018	25868	HDR Engineering, Inc.	Tributary Project Maint (Fish Div)	-6,722.37
02/06/2018	25869	ID Works	Staff Uniforms (Ops and Fish Div)	-894.75
02/06/2018	25870	Instrument & Valve Services Company	Calibration-pressure transmitters (4)	-1,862.42
02/06/2018	25871	Kristen Sneddon	Mtg Fees - Jan 2018	-154.44
02/06/2018	25872	Lauren W. Hanson	Mtg Fees - Jan 2018	-155.35
02/06/2018	25873	Nestle Pure Life Direct	Jan - 4 gal deposit	-60.81
02/06/2018	25874	O'Reilly Automotive, Inc.	Vehicle Maint - 2008 Ford Explorer Vehicle #128 (Ops Div)	-13.82
02/06/2018	25875	Pacific Coast Jiffy Lube	Vehicle Maint - 2008 Ford Explorer Vehicle #128 (Ops Div)	-63.01
02/06/2018	25876	Peter Lapidus Construction, Inc.	Transport backhoe between various locations	-750.00
02/06/2018	25877	Polly Holcombe	Mtg Fees - Jan 2018	-143.14
02/06/2018	25878	Santa Barbara Police Department	Renewal - Security Alarm Permit	-40.00
02/06/2018	25879	SB Home Improvement Center	Misc Supplies (Fish Div)	-58.54
02/06/2018	25880	Southern California Edison	Utilities - Main office/outlying stations	-1,153.89
02/06/2018	25881	Spatial Wave	Field Mapplet Software Maint - Jan-March 2018	-900.00
02/06/2018	25882	Turenchalk Network Services, Inc.	Network Services and Support - January	-1,633.90
02/06/2018	25883	Underground Service Alert of So. Calif.	109 Ticket charges	-189.85
02/06/2018	25884	W. Douglas Morgan	Mtg Fees - Jan 2018	-160.70
02/06/2018	25885	Winema Industrial & Safety Supply	AED Device and supplies (COMB Office)	-2,183.22
02/07/2018	25886	Association of Ca Water Agencies/JPIA	January Health Benefits coverage	-32,579.18
02/13/2018	25887	AT&T	Jan charges	-554.61
02/13/2018	25888	Carpinteria Valley Lumber Company	Misc Supplies (Ops Div)	-22.61
02/13/2018	25889	Coastal Copy, LP	Mtce agmt TASKalfa 6052ci/3051ci	-446.18
02/13/2018	25890	County of SB-P.W. Water Agency	IRWM Program MOU cost share	-2,408.83
02/13/2018	25891	Cox Communications Santa Barbara	Business internet-Feb	-140.00
02/13/2018	25892	Frontier Communications	Communications	-1,033.44
02/13/2018	25893	Graybar Electric Company, Inc.	Misc Supplies (Ops Div)	-10.99
02/13/2018	25894	HDR Engineering, Inc.	Engineering Svcs - SCC Structure Rehab Project	-8,260.63
02/13/2018	25895	Home Depot Credit Services	Misc Supplies (COMB Office)	-108.89
02/13/2018	25896	Musick, Peeler & Garrett LLP	General Counsel-Sep to Oct	-8,885.00
02/13/2018	25897	Paychex, Inc	01/10 and 01/24/18 payrolls/taxes/deliveries	-607.63
02/13/2018	25898	PG&E	Tecolote Tunnel electricity	-21.02
02/13/2018	25899	Southern California Edison	Glen Anne and Foothill electricity	-76.37
02/13/2018	25900	Staples Credit Plan	Office supplies	-836.48
02/13/2018	25901	Verizon Wireless	Cellular/Modem's/USB's	-645.06
02/13/2018	25902	Wright Express Fleet Services	Fleet fuel	-2,486.01
02/26/2018	ACH	American Riviera Bank (ARB)	Principal and Interest - EFPF Loan	-10,354.21
02/26/2018	ACH	American Riviera Bank (ARB)	Principal and Interest - EFPF Loan	-28,123.75
02/26/2018	25903	Big Brand Tire Company	Vehicle Tires/Maint - Chevy 2500 - Vehicle #130 (Fish Div)	-1,137.18
02/26/2018	25904	Manzanita Nursery	Oak Trees / Oak Tree Program	-3,167.85
02/26/2018	25905	MarBorg Industries	Portable Toilets-outlying stations	-241.40
02/26/2018	25906	PG&E	Tecolote Tunnel/North Portal electricity (2 Invoices)	-303.91
02/26/2018	25907	Premiere Global Services	Conference calls-Jan	-57.13
02/26/2018	25908	Smart Sheet Inc	Software License (COMB Office)	-996.00
02/26/2018	25909	The Gas Company	Gas (COMB Office)	-43.14
02/26/2018	25910	Valley Compost & Topsoil, Inc.	Compost - Oak Tree Program	-52.80
				-172,059.06

Director_____
Director_____
Director

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	March 26, 2018
Submitted by:	Janet Gingras

SUBJECT: Resolution No. 658 – Approval and Ratification of Expenditures for South Coast Conduit (SCC) Appurtenant Structures Emergency Contract Work

SUMMARY:

The January storm event and subsequent debris flows caused damage to South Coast Conduit appurtenant structures. In particular, air-vent (AVAR) and blow-off (BO) structures were severed in places and covered in mud and debris, causing impairment to the operational condition of the system. Staff utilized Cushman Contracting during the initial damage inspection period to remove debris from the buried structures and assess if further damage existed along that section of the pipeline. Damage has occurred to approximately nine structures in that reach, although no breach to the conduit has been detected to date.

As mentioned previously, COMB submitted a Request for Public Assistance (RPA) form for damages incurred during the January 9th debris flow event. A recovery scoping meeting took place on February 20th, with personnel from FEMA and CalOES, with the discussion including potential damages and identification of relevant documentation need to support damages claimed. On February 23rd, FEMA personnel conducted a site inspection with COMB staff and toured COMB facilities and related structures. Since that time, COMB staff has met weekly with the FEMA Program Delivery Manager (PDM). During these meetings, the PDM and COMB staff has worked together to further refine the scope of work. FEMA is currently reviewing the data provided by COMB staff along with site inspection results in order to calculate a preliminary cost estimate which will be used to formulate FEMA's monetary assistance in connection with this event.

Through Resolution No. 655 adopted in February, the Board of Directors declared an emergency and authorized the General Manager to contract for performance of the remedial emergency work without a competitive bid solicitation once the Army Corp. of Engineers completed re-channelization of the creeks in that area. A contract for the emergency work has been executed with Cushman Contracting Corporation in the amount of \$120,485. Section 11.1 of the COMB procurement policy states that the General Manager shall present to the Board, within 30 days, written documentation of the emergency procurement for Board ratification. Staff recommends the Board adopt Resolution No. 658 approving and ratifying expenditures associated with the emergency contracted work on the South Coast Conduit appurtenant structures.

FISCAL IMPACTS:

The construction contract with Cushman Contracting Corporation in the amount of \$120,485 is for all emergency work required to repair the structures damaged in the January debris flow event and return the system to an operational condition. Account number 6096 (SCC Structure Rehabilitation) contains funding to support the emergency expenditures.

LEGAL CONCURRENCE:

General Counsel has reviewed and approved the proposed resolution.

ENVIRONMENTAL COMPLIANCE:

This emergency project is statutorily exempt from CEQA. A Notice of Exemption has been filed with Clerk of the Board of Supervisors, County of Santa Barbara.

RECOMMENDATION:

The Board adopt Resolution No. 658 approving and ratifying expenditures associated with the emergency repair work on the South Coast Conduit appurtenant structures.

LIST OF EXHIBITS:

- 1) Resolution No. 658

RESOLUTION NO. 658

**A RESOLUTION OF THE GOVERNING BOARD OF
THE CACHUMA OPERATION AND MAINTENANCE BOARD
RATIFYING EXPENDITURES ASSOCIATED WITH
THE CONSTRUCTION CONTRACT EXECUTED FOR THE EMERGENCY WORK
TO THE SOUTH COAST CONDUIT APPURTENANT STRUCTURES
DAMAGED DURING THE JANUARY 2018 MUD AND DEBRIS FLOW EVENT**

RECITALS

WHEREAS, the Cachuma Operation and Maintenance Board (“COMB”) is a joint powers authority and public entity, organized and existing in the County of Santa Barbara in accordance with Government Code Section 6500 et seq., and operating pursuant to the 1996 Amended and Restated Agreement for the Establishment of a Board of Control to Operate and Maintain the Cachuma Project - Cachuma Operation And Maintenance Board, dated May 23, 1996 (“Amended and Restated Agreement”), as amended by an Amendment to the Amended and Restated Agreement made effective September 16, 2003 (collectively the “Joint Powers Agreement”); and

WHEREAS, the Member Agencies of COMB consist of the City of Santa Barbara, the Goleta Water District, the Montecito Water District, the Carpinteria Valley Water District (collectively herein the “South Coast Member Agencies”), and the Santa Ynez River Water Conservation District, Improvement District No. 1 (“ID No. 1”); and

WHEREAS, COMB operates and maintains Cachuma Project facilities pursuant to a Transfer of Operation and Maintenance Contract with the United States Bureau of Reclamation (“Reclamation”); and

WHEREAS, beginning December 4, 2017, the Thomas Fire occurred impacting both Ventura County and Santa Barbara County, and on December 5, 2017, a state of emergency was declared by State authorities, and on December 8, 2017, a state of emergency was declared by Federal authorities; and

WHEREAS, on January 9, 2018, the County of Santa Barbara experienced significant rainfall, the runoff of which produced a massive mud and debris flow resulting in operational damage to the South Coast Conduit appurtenance structures; and

WHEREAS, COMB is subject to a January 2, 2018 disaster declaration designated as FEMA-4353-DR-CA; and

WHEREAS, COMB has the power to perform all acts necessary to carry out fully the provisions of the Transfer of Operation and Maintenance Contract; and

WHEREAS, a contract was executed with Cushman Contracting Corporation in the amount of \$120,484.40 for emergency repairs to the South Coast Conduit appurtenant structures damaged by the January 9, 2018 mud and debris flows in the Montecito and Carpinteria reaches (the “Contract”); and

WHEREAS, section 11.(A) (Emergency Procurement) of the COMB procurement policy provides that the General Manager will submit written documentation to the full Board for ratification; and

WHEREAS, the sudden and unexpected damage to appurtenant facilities as described herein constitutes an “emergency” for purposes of Public Contract Code sections 20806 and 1102, respectively and Public Resources Code section 21060.3; and

WHEREAS, the work to be performed under the Contract is statutorily exempt from environmental review under the California Environmental Quality Act pursuant to Public Resources Code sections 21080(a)(2) and 21080(a)(4) and 14 Cal. Code of Regs. sections 15269(b) and 15269(c);

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Cachuma Operations and Maintenance Board as follows:

1. The Governing Board finds and determines that the facts set forth in the above recitals and in the documents referenced herein are true and correct.

2. The Governing Board hereby approves and ratifies the expenditures associated with the Contract executed with Cushman Contracting for Emergency Repairs to the South Coast Conduit appurtenant structures damaged by the January 9, 2018 mud and debris flows in the Montecito and Carpinteria reach in the amount of \$120,484.40.

3. The Governing Board finds and determines that the work to be performed under the Contract is statutorily exempt from environmental review under the California Environmental Quality Act pursuant to Public Resources Code sections 21080(a)(2) and 21080(a)(4) and 14 Cal. Code of Regs. sections 15269(b) and 15269(c);

4. The Governing Board further authorizes COMB’s officers and staff, including the General Manager, to continue to do all things necessary and appropriate, including, but not limited to, execution and delivery of necessary documents, and any other actions to construct and implement the Project using the approved expenditures.

5. The above recitals are incorporated herein by reference and adopted as findings.

6. This Resolution shall take effect immediately.

PASSED, APPROVED AND ADOPTED by the Governing Board of the Cachuma Operation and Maintenance Board, this 26nd day of March 2018, by the following roll call vote:

AYES:

NAYES:

ABSENT/ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	March 26, 2018
Submitted by:	Janet Gingras

SUBJECT: **Appointment of Representative to Cachuma Project Trust Fund and Renewal Fund Committee and Betterment Fund Use Of Funds Discussion**

SUMMARY:

On April 14, 1996, Reclamation and the SBCWA entered into the Renewal Master Contract which provides for Water Service from the Cachuma Project effective through September 30, 2020. Article 27 of the Renewal Master Contract provides that the Cachuma Member Units establish a fund (Renewal Fund) for the purpose of financing Cachuma Project related activities. The aggregate amount to be deposited in the Renewal Fund at the start of each Water Year by the Cachuma Member Units is not to exceed an amount which bears a ratio to \$257,100, which is inverse to the ratio which the aggregate amount paid into the Warren Act Trust Fund bears to \$300,000.

Article 27 also provides that Reclamation and the Cachuma Member Units are to jointly develop a Long Term Plan and Annual Work Plans for expenditure of the Renewal Fund monies for purposes consistent with the Renewal Master contract. Article 3.c. of the Warren Act MOU provides that the Cachuma Project Authority (CPA)(now COMB) manages and administers the Warren Act Trust Fund. Article 4 of the Warren Act MOU provides for the creation of a Trust Fund Committee, which is comprised of one representative each from Reclamation and CPA (now COMB).

Resolution No. 249, approved by the COMB Board of Directors, established the process for administration of the Cachuma Project Trust Fund and the Master Contract Renewal Fund which are merged and carried out under a single committee directing the preparation and implementation of Long Term and Annual Work Plans. The Trust Fund Committee is now referred to as the Trust Fund / Renewal Fund Committee and develops a single Long Term Plan and Annual Plans for expenditure of monies from both Funds. Further, the COMB Board shall appoint a representative to that Committee, based on recommendations from the Cachuma Member Units, and the representative shall work with the Bureau of Reclamation Committee member to develop joint plans for use of the funds.

In addition, included in the Renewal Member Unit Contracts, Article 8 (b) states that the "Water Agency shall provide \$100,000 per year during the term hereof for beneficial purposes consistent with the Water Agency Act and within the Santa Ynez River watershed and the Cachuma Project service area." Decisions relating to expenditure of these funds require concurrence by both the Water Agency and the Cachuma Member Units.

For Board consideration, it is recommended the General Manager be appointed to serve as the Member Units' representative on the Trust Fund / Renewal Fund Committee and Betterment Fund use of funds discussion. The meeting has been scheduled for April 5, 2018.

RECOMMENDATION:

Board approve the appointment of the Cachuma Operation and Maintenance Board General Manager to serve as the Cachuma Member Units' representative for the Cachuma Project Trust Fund and Renewal Fund Committee and Betterment Fund use of funds discussion.

LIST OF EXHIBITS:

None at this time.



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.”

March 26, 2018

General Manager Report

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

Meetings

- 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, March 7, 2018. The agenda topics included discussions regarding Cachuma Lake levels, year-to-date rainfall, updates on each of the Member Agency’s current drought stages, the Santa Ynez cloud-seeding program, and the Cachuma Project contract renewal process. Discussions regarding these and other topics will continue at the next meeting scheduled for early April.

- Reclamation Meeting

Reclamation is scheduled to meet with the Cachuma Project Member Agencies and the County Water Agency in mid-April to present information relative to the Cachuma Project 2015 and 2016 deficits, the 2018 water rates including the extraordinary O & M expense, and Reclamations upcoming FY 2018-19 (Oct. – Sept.) projected operational budget for the Cachuma Project. COMB is facilitating the meeting to advance the discussion among the group.

Administration

- Cachuma Project Preliminary Cost Estimates – FY 2018-19

For purposes of fiscal year 2018-19 budget preparation and planning, staff provided the Member Agencies a preliminary estimate of Cachuma Project costs for the upcoming fiscal and water year which included the projected water rates for WY 2018-19, the deficits from WY 2015 and 2016, the COMB FY 2018-19 projected operating budget, costs related to the potential implementation of the EPF project, the Bradbury and Lauro Dam SOD Act repayment obligations, the annual water rights fee and the Emergency Pumping Facility (EPF) loan assessment obligation. The COMB operating budget projections are very fluid until it is determined if certain projects require implementation. As the Infrastructure Improvement and Habitat Improvement Plans are prepared and presented to the appropriate committees and Board, the projected COMB FY 2018-19 operating budget will develop in alignment.

- ACWA/JPIA Retrospective Premium Adjustment (RPA) Stabilization Fund Report

COMB is slated to receive a premium adjustment refund originating from the ACWA/JPIA Liability, Property and Worker’s Compensation Programs. At the beginning of each policy period, the JPIA collects a deposit premium representing estimated costs for that year. Annually, the JPIA looks back at the estimate and reconciles the fund balance for each agency to actual claims paid. When a member’s fund balance exceeds 50 percent of its basic premium, the excess money is refunded. This year’s refund, in the amount of \$26,807.75, is reflective of a low paid claims history.

Engineering / Operations Administration

- Integrated Regional Water Management Plan

On Thursday, February 22nd the Cooperating Partners of the Santa Barbara County IRWM program conducted an All Watersheds Meeting in the City of Solvang. The meeting was led by Jane Gray from Dudek.

Ms. Gray provided an update on Proposition 1 – Disadvantaged Community Involvement Grant (DACI). She indicated that the Santa Cruz Foundation, grantee for the DACI Grant, has signed a grant agreement with the Department of Water Resources. The County of Santa Barbara is finalizing a contract with the Santa Cruz Foundation. The total amount secured is \$865,205.93 and will be allocated between the City of Guadalupe and Cuyama Valley.

The Integrated Regional Water Management Plan (completed in May 2007 and updated in 2013) is currently being updated in response to DWR's 2016 IRWM Guidelines. Ms. Gray provided an overview on relevant Legislation and Executive Orders applicable to IRWM in addition to a timeline on the plan update, as follows:

- March – Conduct plan sub-committee meetings
- April – Conduct public workshop
- May/June – Conduct cooperating partners meetings/sub-committee meetings
- July – Complete draft plan
- August – Final plan review by cooperating partners
- September – Present draft final plan to the Santa Barbara County Board of Supervisors (BOS)
- September – Submit BOS approved plan to Department of Water Resources

Ms. Gray indicated that a survey would be distributed to the Cooperating Partners focusing on four key areas: (1) Resource Management Strategies, (2) Sediments and Sedimentation, (3) Climate Change, and (4) Projects. In addition, each Cooperating Partner has received a draft Memorandum of Understanding (MOU) to be reviewed and approved by their respective Boards/Councils. An executed MOU is due to the County no later than May 14, 2018. The proposed MOU will be presented at the April COMB Regular Board meeting.

The Santa Barbara IRWM Region expects to receive approximately \$6.3M in Proposition 1 Project Implementation Round funding in FY 2018-19 or FY 2019-20.

Fisheries Division Activities

- Monitoring Efforts

Routine Biological Opinion compliance monitoring efforts have been carried out throughout the month including redd surveys, migrant trapping, stream flow monitoring, and water quality monitoring which are detailed in the Fisheries Division report.

- Annual Monitoring Reports

COMB staff met with Reclamation at their Fresno office to discuss pending 2000 BiOp compliance documentation, efficiencies for document creation and submittal tracking, establishing common and acceptable terminology, and document formatting specifically for the Annual Monitoring Reports. The meeting was very successful and it is anticipated that the process for documentation and reporting will be much more efficient moving forward.

General Manager Report
March 26, 2018

- Oak Tree Program

Staff has been evaluating ways to be more efficient with the annual oak tree inventory with noticeable success both in the field and data entry in the office. The field component of the annual inventory is anticipated to be complete by the end of the month.

- Fish Passage Restoration Projects

Progress has been made on the pending fish passage restoration projects including Quiota Creek crossing five and crossing nine projects and grant preparations for the Quiota Creek crossing eight project.

Respectfully Submitted,

Janet Gingras

General Manager

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: March 26, 2018
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.

Update on March 20-22 Storm Impacts

An update will be provided on the March 20-22 storm impacts on lake levels and infrastructure.

Emergency Pumping Facility Project

COMB staff has been researching alternatives for remobilization of the Emergency Pumping Facility Project (EPFP). Options for this year will likely include full deployment of the facility (per existing contract), partial deployment, or delaying deployment. The decision is highly dependent on lake levels. In addition, planning and engineering for more permanent options could also be considered. The alternatives for the EPFP will be discussed in more detail in April, as the chance of rain is reduced and lake levels can be forecasted more accurately.

The March 20-22 storm will likely impact forecasts of the lake elevations. As of March 15, 2018 prior to the storm, the lake elevation was forecasted to drop below the elevation of 695 feet above mean sea level (ft amsl) in August 2018. According to the existing contract, pile driving must begin before an elevation of 695 ft amsl is reached to re-install the Emergency Pumping Facility.

Infrastructure Improvement Planning

Infrastructure improvement planning is on-going for Fiscal Year 2018-2019. Table 1 provides a summary of the FY 2017-2018 Infrastructure Improvement Projects. Several projects were delayed this year due to drought and impacts from the Thomas Fire and subsequent debris flows.

Table 1. Infrastructure Improvement Projects Status

<i>Infrastructure Improvement Projects</i>	<i>Status / Phase</i>	<i>Complexity / Challenges</i>	<i>Estimated Completion Date</i>
SCC Structure Rehabilitation (AVAR/BO)	Engineering completed by HDR Engineering. Construction bids received on March 16, 2018. Work to be completed in FY 2018-2019 once approved by Board.	Bid submittals extended due to Thomas Fire and debris flow event. Work to be completed in low demand months. Two 3-day shutdowns required which need to be coordinated with Member Agencies demands.	May 2019
ROW Identification Program	Brochure prepared/website updated. Needs approval from Public Relations Committee. Plan to replace old GPS unit that no longer is functional with remaining budget.	Brochure may generate additional questions from landowners within easements.	June 2018 (additional work planned in following years).
Lateral 3 Structure	Construction contract in place, parts ordered, repair scheduled for FY 2018-2019. Delayed due to drought/fire impacts.	Requires 10-day shutdown in upper reach of the system.	January 2019
Emergency Pumping Facility Project	Contract and permits in place for re-deployment if necessary. Evaluating alternatives to delay or partially deploy to reduce costs. Plan to meet with GMs, Ops Committee, then Board in April for implementation plan is necessary.	Need highly dependent on lake levels and actual downstream releases. Current design requires long lead time in installation before the barge is utilized.	TBD
Rehabilitate San Antonio Creek Blow-off	RFP issued for engineering design, proposals due 3/21/18. Repair planned to be timed with Lateral 3 shutdown in FY 2018-2019.	Complexity of repair will depend on the condition of the saddle connection to the SCC. Also requires shutdown in upper reach of the system.	January 2019
North Portal Slope Stabilization	Slope stabilization work complete, road paving slated for FY 2018-2019.	Area vulnerable due to Whittier Fire. Evaluation of impacts from storms this year before repaving.	September 2018
Sycamore Canyon Slope Stabilization	Geotech/survey work complete, preliminary engineering design due mid-April 2018. Plan to complete slope stabilization work FY 2018-19.	Magnitude of repair dependent on need to mitigate overall slope stability or fix drainage and surficial scour.	October 2018
Meter Replacement Project	On hold - City of Santa Barbara replacing three meters in system including influent, Gibraltar and booster pump station meters.	City meters anticipate to be replaced by end of March with highly accurate meters. Results from the City meters will assist in determining need to replace COMB meters.	April 2018
North Portal IT/Control Building Seismic Assessment	RFP ready to be issued but on hold as lake levels impact seismic assessment.	With lower lake levels and the Intake Tower exposed, it is easier to evaluate the structural integrity of Intake Tower.	TBD
SCC San Jose Creek Pipe Stabilization Evaluation	Additional research on options needed. Prepare RFP for stabilization after further analysis.	Top of pipeline is exposed on left bank of creek. In near term, temporary pipe protection options are being considered. There exists a need for a long-term solution. Fish passage impacts to the stream are a challenge.	TBD

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: March 26, 2018
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 continues 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 February was 949.4 acre-feet, for an average daily flow of 33.90 acre-feet. Lake elevation was 701.99 feet at the beginning of February and 701.79 feet at the end of February. Storage change decreased 326 acre-feet. CCWA wheeled 1,142.1 acre-feet of water to Cachuma Project facilities.

Operation and Maintenance Activities

COMB staff regularly performs the following duties:

- Operations and maintenance of the South Coast Conduit (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 Alerts – 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 educate 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 share related examples. The discussion also includes practices on preventative measures. Regular safety meetings assist staff to continually be aware of safety practices while on the job. The following topics were reviewed this past month:

Reading:

- Job Compliance and Injuries – Discussed how non-compliance is a leading contributor to workplace and field injuries.
- Lockout-Tagout (LOTO) – Reviewed COMB policy and procedures for LOTO and discussed safe application when working in and around electrical equipment.
- Safe Lifting Techniques – Discussed types of injuries associated with poor lifting and how appropriate equipment can be utilized for safe lifting techniques.

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 the right-of-way remain accessible to Operations staff for possible emergencies and ongoing facility maintenance.
 - All projects are following the COMB and USBR approved plans.
 - No damage occurs to the SCC during the construction process.
- Continued daily inspection of the SCC and its structures in the Montecito area following the rain and debris flow event on January 9th. Locating and properly marking the SCC and structures is required to avoid damage by the numerous contractors clearing and reshaping the creek channels.
- Assisted in the collection of intrusion water sampling at the South Portal.
- Staff performed road maintenance in the Glen Annie area. Work included clearing culvert openings and the removal of brush and debris along the access road to the South Portal.
- Staff performed yearly site inspection and road maintenance in the Lauro Reservoir area. Work included the removal of dead trees, clearing culvert openings, elimination of brush and debris along the access road and maintenance on the Lauro reservoir and debris basin.
- Obtained the Lake Cachuma monthly water sampling for the City of Santa Barbara staff.

- The Operations department continually inspects all sites, reservoirs and the SCC 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 and Replacement - Staff received bids from Cushman Contracting Corporation and Blois Construction, Inc. Those bids are currently under review. COMB staff will make a recommendation to the Board in April.
- North Portal Slope Stabilization - The slope stabilization work is complete and road paving is slated for FY 2018-19.
- Sycamore Canyon Slide Repair – Survey and geotechnical field work is complete. Met with contractor to discuss results and preliminary design. Staff anticipates receiving the preliminary design report by mid-April.
- Lateral #3 Replacement – The contractor is in place and the parts are acquired. Construction is delayed until next winter due to drought and lack of alternative sources of water.

OPERATIONS PROJECT PHOTOS



Dead trees removed from reservoir road



Debris Basin Maintenance

On Going Projects

LAT 3A



Remove abandoned turnout and reconfigure blow off structure.

PATTERSON AVE.



Patterson Oaks subdivision

BOULDERS PROJECT



Boulders subdivision

CACHUMA OPERATION AND MAINTENANCE BOARD

BOARD MEMORANDUM

DATE: March 26, 2018
TO: Janet Gingras, General Manager
FROM: Tim Robinson, Fisheries Division Manager
RE: MONTHLY FISHERIES DIVISION REPORT

HIGHLIGHTS:

- RECLAMATION continues to deliver approximately 2 cfs to Hilton Creek at the Lower Release Point through the Hilton Creek Emergency Backup System by gravity flow. 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.

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:

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.

Redd Surveys: Redd surveys are conducted every two weeks from mid-January through May. Surveys were initiated in January within the LSYR mainstem in the Highway 154, Refugio, and Alisal reaches where access was permitted, and certain sections of Hilton, Quiota, and Salsipuedes/El Jaro creeks. The number of redds is reported in the Annual Monitoring Plan. The initial redd survey of the year started on 1/4/18. Redds have been observed in Hilton Creek, Quiota Creek and Salsipuedes Creek.

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 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: Funding for this project have been applied for through two separate grant programs. The initial grant was with CalTrans and required a Cooperative Agreement with the County. The agreement was 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 with no response. Caltrans has informed the County that the Federal prioritization for rural bridge replacement projects (the County's pending grant funding) has been stalled due to being 100% oversubscribed with no additional federal allocation, hence the list of truly awarded projects will not be addressed until 2020, suggesting this funding opportunity is on hold.

The second funding opportunity for this project is through a CDFW-FRGP grant application that will be submitted by 3/30/18 for approximately \$1,000,000 (pending final budget calculations) with a \$50,000 construction match from COMB as approved by the COMB Board during the 2/26/18 Board meeting. The grant award notices will be given during February 2019.

Quiota Creek Crossing 9: COMB was awarded a CDFW-FRGP grant for the Crossing 9 Project for \$993,121 with a \$50,000 COMB construction match. The project is tentatively scheduled for construction in the fall of this year pending permit acquisition and design approval.

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 Reclamation. The HCEBS was completed at the end of January 2016. With this system fully operational, Reclamation has now been working on the identified repairs to the HCWS with recent success on getting the pumping system operational. Work is still needed on the HCEBS to meet operational design.

Surcharge Water Accounting

The following table summarizes the amount of surcharge water used to date from each of the three accounts plus project yield at the end of last month (Table 1). All numbers are from Reclamation’s Daily Operations Report. The start time for the use of the Surcharge Water Accounts and Project Yield was 5/27/11, or the day following the last day of full surcharge and end of the last spill event. As of May 2012, all of the fish rearing accounts have been used and Reclamation is now using Project Yield to meet BiOp target flows. Water Right (WR 89-18) release durations since 2013 are noted as follows: 7/15/13 - 12/2/13, 8/18/14 -11/11/14, 8/3/15 - 9/26/15, 7/12/16 - 8/29/16, and the most recent release 8/21/17 - 11/8/17. 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. The remaining amount in 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 last winter’s runoff) by NMFS and Reclamation. Therefore they are not reflected in Table 1.

Table 1: Summary of the surcharge water accounting and use of Project Yield as of the day after the end of the last spill event and full surcharge (5/27/11).

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		16,224	
Total:	9,184	21,857	3,551
* Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013.			
** Values as of 2/28/18.			
*** 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 and provided a revised report format to Reclamation early this month per their request. Staff has been providing information to Reclamation as requested in support of re-consultation 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 Garello) – 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:	March 26, 2018
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 June, 2017 to the present (6/1/17 – 3/26/18, 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 fiscal year have been presented by the Committee chairperson during the August COMB Board meeting and those directives have been followed.

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

	June 2017	July 2017	Aug 2017	Sep 2017	Oct 2017	Nov 2017	Dec 2017	Jan 2018	Feb 2018*	March 2018*
Year 9 Oaks (2016-2017)	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded		Irrigated Weeded		Irrigated Weeded	Mulched	
Year 8 Oaks (2015-2016)	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded		Irrigated Weeded	Irrigated Weeded		Mulched	Mulched
Year 7 Oaks (2014-2015)	Irrigated Weeded			Irrigated Weeded						Mulched Deer Cages
Year 6 Oaks (2010-2011)	Irrigated Weeded				Irrigated Weeded Deer Cages	Pruning Deer Cages		Deer Cages	Deer Cages	
Year 5 Oaks (2009-2010)	Irrigated Weeded					Deer Cages	Irrigated Weeded			
Year 4 Oaks (2008-2009)							Irrigated Weeded			
Year 3 Oaks (2007-2008)							Irrigated Weeded			
Year 2 Oaks (2006-2007)					Irrigated Weeded Deer Cages					
Year 1 Oaks (2005-2006)					Irrigated Weeded Deer Cages					
*Annual Oak Tree Inventory										

After receiving beneficial March rainfall, crews have been spreading mulch at multiple locations at Bradbury Dam and the Santa Barbara County Park at Lake Cachuma. Over the next month, mulching will be

conducted at the Year 7 trees at Storke Flat. The added mulch will help extend soil moisture through the spring and allow crews to focus on maintenance items rather than irrigating.

The Fisheries Division has completed replanting some of the Year 7 through Year 9 tree mortalities at Bradbury Dam and the Santa Barbara County Park at Lake Cachuma as recommended by the Lake Cachuma Oak Tree Committee following standard planting procedures to utilize the existing infrastructure (holes, gopher baskets, deer cages and posts).

The annual oak tree inventory continues and is expected to be completed in the coming weeks.

RECOMMENDATION:

For Board information only.

LIST OF EXHIBITS:

N/A

CACHUMA OPERATION AND MAINTENANCE BOARD
METERED USE REPORT FOR FEBRUARY 2018

LATERAL/ STATION	NAME	ACRE FEET METERED	LATERAL/ STATION	NAME	ACRE FEET METERED
CARPINTERIA WATER DISTRICT			GOLETA WATER DISTRICT		
Boundary Meter - East		20.16	18+62	G. WEST	95.88
Boundary Meter - West		(0.03)	78+00	Corona Del Mar FILTER Plant	147.67
			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)	(2.00)
				SWP CREDIT (Warren Act Contract)	(145.67)
			TOTAL		95.88
			MONTECITO WATER DISTRICT		
			260+79	BARKER PASS	70.34
			386+65	MWD YARD	0.27
			487+07	VALLEY CLUB	2.56
			499+65	E. VALLEY-ROMERO PUMP	166.43
			510+95	MWD PUMP (SWD)	12.11
			510+95	ORTEGA CONTROL	1.88
			526+43	ASEGRA RD	2.95
			555+80	CO. YARD	0.00
			583+00	LAMBERT RD	0.45
			599+27	TORO CANYON	0.12
				SWP CREDIT (Warren Act Contract)	(257.12)
			TOTAL		0.00
			CITY OF SANTA BARBARA		
			CATER	INFLOW	773.06
			Gibraltar	PENSTOCK	(52.80) (*)
			CATER	SO. FLOW	(472.11)
			Sheffield	SHEF.LIFT	170.47
				SWP (Warren Act)	(366.59)
				La Cumbre Mutual SWP (Warren Act)	(52.02)
			TOTAL		0.00
			SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, ID#1		
			COUNTY PARK, ETC		1.33
			TOTAL		1.33
			BREAKDOWN OF DELIVERIES BY TYPE:		
			STATE WATER DELIVERED TO LAKE		0.00
			STATE WATER TO SOUTH COAST (including from storage)		(843.52)
			BISHOP RANCH DIVERSION		0.00
			METERED DIVERSION		97.21
SWP CREDIT (Warren Act Contract) (20.12)					
TOTAL		0.00			
Note: Meter reads were taken on: 2/28/2018					

(*) 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 **FEBRUARY 2018** AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾

(All in rounded Acre Feet)

	MONTH	WYTD
SCC WATER PRODUCTION:		
Cachuma Lake (Tec. Diversion)	949.4	7,509.5
Tecolote Tunnel Infiltration	145.7	448.7
Cachuma Lake (County Park)	1.3	8.2
Subtotal - Water Production	1,096	7,966.4
SCC WATER DELIVERIES:		
State Water Diversion	843.5	5,197.2
Cachuma Diversion	97.2	2,280.2
So. Coast Storage gain/(loss)	37.8	22.9
Subtotal - Water Deliveries	978.6	7,500.2
Total Water Production	1,096.4	7,966.4
Total Water Deliveries	978.6	7,500.2
Difference = Apparent Water Loss	117.9	466.1
% Apparent Water Loss	10.75%	5.85%

SCC APPARENT WATER LOSS ALLOCATION ⁽²⁾

	GWD	SB CITY	MWD	CVWD	TOTAL
CURRENT MONTH CHARGE / (ADJUSTMENT) ⁽²⁾					
M&I	0.0	0.0	0.0	0.0	0.0
Agriculture	3.5	0.0	0.0	0.0	3.5
Subtotal Cachuma Project	3.5	0.0	0.0	0.0	3.5
(+) State Water Project	5.4	46.4	57.6	5.0	114.4
Total	8.9	46.4	57.6	5.0	117.9
WATER YEAR-TO-DATE CHARGE / (ADJUSTMENT)					
M&I	9.9	0.0	0.0	37.0	46.9
Agriculture	7.2	0.0	0.0	49.1	56.4
Subtotal Cachuma Project	17.2	0.0	0.0	86.1	103.2
(+) State Water Project	17.6	140.9	188.4	16.0	363.0
Total	34.8	140.9	188.4	102.1	466.2

CACHUMA PROJECT WATER CHARGE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
CURRENT MONTH						
Water Usage						
M&I	0.0	0.0	0.0	0.0	1.3	1.3
Agricultural	95.9	0.0	0.0	0.0	N/A	95.9
Subtotal Project Water Use	95.9	0.0	0.0	0.0	1.3	97.2
(+) Apparent Water Loss	3.5	0.0	0.0	0.0	N/A	3.5
(+) Evaporative Loss ⁽³⁾	12.2	31.5	8.0	0.2	0.1	52.0
Total Project Water Charge	111.6	31.5	8.0	0.2	1.4	152.7
WATER YEAR-TO-DATE						
Water Usage						
M&I	1,097.3	0.0	0.0	289.3	8.2	1,394.8
Agricultural	501.8	0.0	0.0	385.7	N/A	887.5
Subtotal Project Water Use	1,599.1	0.0	0.0	675.1	8.2	2,282.3
(+) Apparent Water Loss	17.2	0.0	0.0	86.1	N/A	103.2
(+) Evaporative Loss ⁽³⁾	96.7	172.2	43.6	18.5	0.6	331.6
Total Project Water Charge (*)	1,712.9	172.2	43.6	779.6	8.8	2,717.1

(*) 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 FEBRUARY 2018 AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾**

(All in rounded Acre Feet)

CACHUMA PROJECT WATER BALANCE AS OF FEBRUARY 2018

	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)	1,712.9	172.2	43.6	779.6	8.8	2,717.1
Balance Carryover Water	1,375.1	3,815.8	967.4	20.4	7.2	6,185.9
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
Adjustments to Net Allocation (WYTD)						
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	5,103.1	7,126.8	2,027.4	1,145.4	1,067.2	16,469.9

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 February 2018
State Water Deliveries to Lake Cachuma for February 2018 (Total =1142 AF): MWD 253 AF; CVWD 169 AF
GWD 380 AF(Morehart 2 AF); City of S.B. 253 AF; and LaCumbre 85 AF; (Ratheon 0 AF)

SUMMARY: APPARENT WATER LOSS ALLOCATION
February 2018

	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	0.4	0.0	3.2	5.3	0.0	0.0	8.9	8.9
City of SB	2.7	0.0	3.9	37.7	2.1	0.0	46.4	46.4
MWD	1.9	0.5	2.8	26.4	3.2	22.8	57.6	57.6
CVWD	0.1	0.5	0.2	2.1	0.3	1.8	5.0	5.0
Total	5.1	1.0	10.1	71.5	5.6	24.6	117.9	117.9

CACHUMA OPERATION AND MAINTENANCE BOARD
WATER STORAGE REPORT

MONTH: **February 2018**

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	546.00	Feet
Water in Storage	529.48	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	377.00	Feet
Water in Storage	27.95	AF

TOTAL STORAGE IN RESERVOIRS

	575.07	AF
Change in Storage	37.85	AF

CACHUMA RESERVOIR*

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

Stage of Reservoir Elevation	701.79	Feet
Water in Storage	75,074	AF
Surface Area	1,626	
Evaporation	417.8	AF
Inflow	91.3	AF
Downstream Release WR8918	0.0	AF
Fish Release (Hilton Creek)	132.0	AF
Outlet	66.0	AF
Spill/Seismic Release	0	AF
State Water Project Water	1142.1	AF
Change in Storage	-310	AF
Tecolote Diversion	949.4	AF

Rainfall:	Month:	0.16	Season:	4.43	Percent of Normal:	31%
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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 (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake				
2017																																									
Bal. Frwd						504										809										747					0					11					1
January	1437	219	0	1	2	0	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	0	11	2	2	1					
February	1250	196	96	4	7	0	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	0	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	0	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	0	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	0	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	0	3	254	321	12	34	0	1174	255	247	24	58	0	2134	383	850	3	13	0	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	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	6	0						
October	1048	147	139	8	0	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	0						
November	369	0	0	0	(0)	0	0	96	265	32	7	0	652	96	391	29	16	0	1688	145	143	2	(0)	0	0	32	96	1	7	0	0	12	0	0	0						
December	1281	0	0	0	(0)	0	0	354	310	61	4	0	630	298	273	36	10	0	1667	532	526	6	0	0	0	68	12	0	62	22	22	12	7	7	0						
Total	12547	1598	2010	120	56	85	0	2945	2726	225	244	71	630	2890	2783	222	445	129	1667	4357	4964	24	117	1	0	676	601	13	62	45	44	12	36	37	0						

(*) 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.

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 (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake	Delivered to Lake (+)	Delivered to SC (-)	Loss (-)	Evap / Spill (-)	Adj (*) (+/-)	Stored in Lake				
2018																																									
Bal. Frwd						0										630										0					62					12					0
January	1275	201	31	3	(0)	0	167	270	219	18	4	0	659	301	346	16	11	0	1595	452	387	2	(0)	0	62	49	30	0	80	0	0	12	2	2	0	0					
February	1142	169	20	5	1		310	253	257	58	5		591	253	367	46	13		1422	380	146	5	1		291	85	52	0	113	0	0	12	2	2	0	0					
March																																									
April																																									
May																																									
June																																									
July																																									
August (*)																																									
September																																									
October																																									
November																																									
December																																									
Total	2417	370	51	8	1	0	310	523	476	76	10	0	591	554	712	62	24	0	1422	832	533	8	1	0	291	134	82	0	113	0	0	12	4	4	0	0					

(*) Adj / Notes:

Total SC Storage at month end (AF): 2614

Total Storage at month end (AF): 2739

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. 02/28/18

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			
	M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total	
	3,088.0	3,728.0	570.6	170.4	741.1	45.1	741.1	786.2	605.4	180.8	0.0	0.0
Oct			434.3	160.6	595.0	17.8	595.0	612.8	447.3	165.5	0.0	0.0
Nov			102.2	35.9	138.1	11.2	138.1	149.3	110.5	38.8	0.0	0.0
Dec			0.0	42.6	42.6	10.4	42.6	53.0	0.0	53.0	0.0	0.0
Jan			0.0	99.4	99.4	12.2	99.4	111.6	0.0	111.6	0.0	0.0
Feb			-	-	-	-	-	-	-	-	-	-
Mar			-	-	-	-	-	-	-	-	-	-
Apr			-	-	-	-	-	-	-	-	-	-
May			-	-	-	-	-	-	-	-	-	-
Jun			-	-	-	-	-	-	-	-	-	-
Jul			-	-	-	-	-	-	-	-	-	-
Aug			-	-	-	-	-	-	-	-	-	-
Sep			-	-	-	-	-	-	-	-	-	-
Total	3,088.0	3,728.0	1,107.2	509.0	1,616.2	96.7	1,616.2	1,712.9	1,163.2	549.7	0.0	0.0

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

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	2,301.8	1,370.6	931.2	2,609.0	1,119.0	3,728.0
Nov	1,689.0	923.3	765.7	2,609.0	1,119.0	3,728.0
Dec	1,539.7	812.8	726.9	2,609.0	1,119.0	3,728.0
Jan	1,486.7	812.8	673.9	2,609.0	1,119.0	3,728.0
Feb	1,375.1	812.8	562.3	2,609.0	1,119.0	3,728.0
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 5,103.1

SUMMARY OF WATER USED

CACHUMA PROJECT - CONTRACT #175R-1802

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

Contract Entity: **Carpinteria Valley Water District**
Last updated by C.O.M.B. 02/28/18

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
	Oct	800.0
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	M & I	Agr	Total
85.9	121.2	207.1	11.7	207.1	218.8	90.7	128.1	0.0	0.0	0.0
125.0	155.3	280.3	4.5	280.3	284.8	127.0	157.8	0.0	0.0	0.0
115.4	158.4	273.7	2.0	273.7	275.7	116.2	159.5	0.0	0.0	0.0
0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.0	0.0
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
326.3	434.9	761.1	18.5	761.1	779.6	334.0	445.6	-	-	-

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

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BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
	581.2	249.3	331.9	518.0	607.0	1,125.0
	296.4	122.2	174.2	518.0	607.0	1,125.0
	20.7	6.0	14.7	518.0	607.0	1,125.0
	20.6	6.0	14.5	518.0	607.0	1,125.0
	20.4	6.0	14.4	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) **1,145.4**

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. 02/28/18

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

Month	TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED				
	Acre-feet			Evap	Used	Total	Allocation		Allocation		Total
	M & I	Agr	Total				M & I	Agr	M & I	Agr	
Oct	0.0	0.0	0.0	14.8	-	14.78	11.6	3.2	0.0	0.0	0.0
Nov	0.0	0.0	0.0	7.7	-	7.7	6.0	1.7	0.0	0.0	0.0
Dec	0.0	0.0	0.0	6.6	-	6.6	5.2	1.4	0.0	0.0	0.0
Jan	0.0	0.0	0.0	6.6	-	6.6	5.2	1.4	0.0	0.0	0.0
Feb	0.0	0.0	0.0	8.0	-	8.0	6.3	1.7	0.0	0.0	0.0
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	43.6	-	43.6	34.3	9.4	-	-	-

Month	CONVERSIONS (M&I AND AG SPLIT)			
	CARRYOVER WATER		CURR YR ALLOCATION	
	M & I	Agr	M & I	Agr
Oct	-	-	-	-
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	
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	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	996.2	782.4	213.8	986.0	74.0	1,060.0
Nov	988.5	776.3	212.2	986.0	74.0	1,060.0
Dec	982.0	771.2	210.8	986.0	74.0	1,060.0
Jan	975.3	766.0	209.3	986.0	74.0	1,060.0
Feb	967.4	759.7	207.6	986.0	74.0	1,060.0
Mar						
Apr						
May						
Jun						
Jul						
Aug						
Sep						

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 2,027.4

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. 02/28/18**

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

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
M & I	Agr	Total	Evap	Used	Total	Allocation		Allocation		Total
						M & I	Agr	M & I	Agr	
2.4	0.0	2.4	0.2	2.4	2.6	2.6	0.0	0.0	0.0	0.0
1.2	0.0	1.2	0.1	1.2	1.3	1.3	0.0	0.0	0.0	0.0
2.4	0.0	2.4	0.1	2.4	2.4	2.4	0.0	0.0	0.0	0.0
0.9	0.0	0.9	0.1	0.9	1.0	1.0	0.0	0.0	0.0	0.0
1.3	0.0	1.3	0.1	1.3	1.4	1.4	0.0	0.0	0.0	0.0
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
8.2	0.0	8.2	0.6	8.2	8.8	8.8	0.0	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)	-	-
1.3	(1.3)	-	-
2.4	(2.4)	-	-
1.0	(1.0)	-	-
1.4	(1.4)	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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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:

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BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
County Parks Usage (AF)	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	2.4	-	13.4	710.0	350.0	1,060.0
Nov	1.2	-	12.0	710.0	350.0	1,060.0
Dec	2.4	-	9.6	710.0	350.0	1,060.0
Jan	0.9	-	8.6	710.0	350.0	1,060.0
Feb	1.3	-	7.2	710.0	350.0	1,060.0
Mar						
Apr						
May						
Jun						
Jul						
Aug						
Sep						

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **1,067.2**

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. 02/28/18

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			0.0	560.6	315.9	876.5	60.5	876.5	937.0	612.1	324.9	0.0	0.0	0.0
Dec			0.0	219.9	194.3	414.2	45.7	414.2	459.9	260.1	199.7	0.0	0.0	0.0
Jan			0.0	0.9	0.0	43.5	43.3	43.5	86.8	32.2	54.5	0.0	0.0	0.0
Feb			0.0	1.3	99.4	100.7	52.0	100.7	152.7	39.2	113.5	-	-	-
Mar			-	-	-	-	-	-	-	-	-	-	-	-
Apr			-	-	-	-	-	-	-	-	-	-	-	-
May			-	-	-	-	-	-	-	-	-	-	-	-
Jun			-	-	-	-	-	-	-	-	-	-	-	-
Jul			-	-	-	-	-	-	-	-	-	-	-	-
Aug			-	-	-	-	-	-	-	-	-	-	-	-
Sep			-	-	-	-	-	-	-	-	-	-	-	-
Total	8,903.0	10,284.0	0.1	1,441.7	943.9	2,385.6	331.6	2,385.6	2,717.1	1,712.4	1,004.7	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	1.3	(1.3)	-	-
Dec	2.4	(2.4)	-	-
Jan	1.0	(1.0)	-	-
Feb	1.4	(1.4)	-	-
Mar	-	-	-	-
Apr	-	-	-	-
May	-	-	-	-
Jun	-	-	-	-
Jul	-	-	-	-
Aug	-	-	-	-
Sep	-	-	-	-

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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		Total
			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	1.2	6,885.3	5,721.1	1,164.1	8,134.0	2,150.0	10,284.0
Dec	2.4	6,425.4	5,463.4	961.9	8,134.0	2,150.0	10,284.0
Jan	0.9	6,338.6	5,432.2	906.4	8,134.0	2,150.0	10,284.0
Feb	1.3	6,185.9	5,394.3	791.6	8,134.0	2,150.0	10,284.0
Mar							
Apr							
May							
Jun							
Jul							
Aug							
Sep							

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 16,469.9

CACHUMA DAILY OPERATIONS



Month & Year: **March 2018**

Time of Observations: **0830** Evaporation Pan Factor: **76%**

Day	Beginning Storage: 75,074			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	701.81	75107	33	1627			0.150	15.5	40.9	31.1	5.0		2.0		45.3		
2	701.88	75221	114	1628	0.50	67.8	0.040	4.1	40.9	30.8	5.0		2.0		47.4		
3	701.91	75270	49	1628	0.31	42.1	0.105	10.8	40.8	22.9	5.0		2.0		6.8		
4	701.91	75270	0	1628	0.02	2.7	0.098	10.1	40.8	21.1	4.0		3.0		-5.3		
5	701.92	75286	16	1629			0.114	11.8	40.8	22.3	5.0		2.0		16.6		
6	701.92	75286	0	1629			0.149	15.4	41.0	21.6	5.0		3.0		4.0		
7	701.92	75286	0	1629			0.164	16.9	41.0	21.8	5.0		2.0		4.7		
8	701.92	75286	0	1629			0.108	11.1	41.0	8.1	5.0		2.0		-14.8		
9	701.94	75319	33	1629			0.142	14.6	40.9	2.8	4.0		3.0		16.2		
10	701.96	75351	33	1629			0.125	12.9	40.8	0.0	5.0		2.0		11.7		
11	702.04	75482	131	1631	0.71	96.5	0.001	0.1	39.1	0.0	5.0		2.0		2.1		
12	702.06	75515	33	1631			0.080	8.3	40.8	0.0	5.0		2.0		7.1		
13	702.09	75563	49	1631	0.04	5.4	0.073	7.5	40.8	0.0	5.0		2.0		17.3		
14	702.12	75612	49	1632	0.15	20.4	0.078	8.1	40.7	0.0	4.0		3.0		2.9		
15	702.14	75645	33	1632	0.30	40.8	0.090	9.3	40.6	14.9	5.0		3.0		-16.6		
16	702.15	75661	16	1632			0.134	13.9	40.8	22.9	5.0		2.0		19.3		
17	702.17	75694	33	1633	0.09	12.2	0.042	4.3	40.8	16.5	4.0		2.0		6.4		
18	702.17	75694	0	1633	0.01	1.4	0.134	13.9	40.8	16.3	5.0		2.0		-5.0		
19	702.19	75727	33	1633			0.089	9.2	40.8	16.4	5.0		1.0		23.4		
20	702.18	75710	-16	1633			0.159	16.4	40.7	16.1	4.0		3.0		-17.5		
21	702.29	75890	180	1635	0.88	119.9	0.057	5.9	9.8	0.6	5.0		2.0		63.3		
22	702.62	76429	539	1640	1.27	173.6	0.030	3.1	0.0	0.0	5.0		2.0		375.1		
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
31																	
TOTALS			1,355		4.28	582.8	2.162	223.2	0.0	824.6	0.0	286.2	105.0	0.0	49.0	0.0	610.6

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: February 2018**

Cachuma Lake Recreation Area Launch Data -- February 2018		
Inspection Data		
Total Vessels entering Park	185	
Total Vessels launched	161	
Total Vessels Quarantined	24	
Returning with Boat Launch Tag	123	76%
New: Removed from Quarantine	*	
Kayak/Canoe: Inspected, launched	38	24%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
Quarantine Data		
Total Vessels Quarantined	24	
Quarantined 7 days	*	
Quarantined 14 days	*	
Quarantined 30 days	24	
Quarantine Cause		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	3	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	24	
Demographic Data		
Quarantined from infected county	3	
Quarantined from SB County	21	
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, Santa Barbara County, California
 Inspection Date and Time: 2018.02.28; 12:00 –2:00 PDT
 Method: 10 PVC/Cement Sampling Stations; 52 linear feet of line
 Surveyors: John Viggianelli (SBCO Parks)
 Lake elevation: Max feet: 753.00, current 701.8; Max acre-feet: 193,305, current: 75,090;
 Current capacity: 38.80%