

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

held at

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

Monday, July 22, 2019

1:00 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 June 24, 2019 Regular Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Review of Paid Claims
4. **VERBAL REPORTS FROM BOARD COMMITTEES**
Receive verbal information regarding the following committee meetings:
 - Fisheries Committee Meeting – July 17, 2019
5. **BOARD COMMITTEE APPOINTMENTS FOR FISCAL YEAR 2019-20**
Action: Recommend the President of the Board make Committee appointments for FY 2019-20
 1. Administrative Committee
 2. Operations Committee
 3. Fisheries Committee
 4. Lake Cachuma Oak Tree Committee
 5. Public Outreach Committee
6. **REVIEW OF REGULARLY SCHEDULED BOARD MEETING TIME**
Discussion and possible action by motion and roll call vote of the Board

7. PROPOSED ANNUAL RESOLUTIONS

Action: Recommend approval by motion and roll call vote on one motion unless member requests separate consideration

- a. Resolution No. 689 Adopting Annual Statement of Investment Policy
- b. Resolution No. 690 Authorizing Investment of Monies in the Local Agency Investment Fund
- c. Resolution No. 691 Establishing a Supplemental Account Agreement for Telephone Transfers
- d. Resolution No. 692 Establishing a Check Signing Policy for General Fund Account Payment of Claims
- e. Resolution No. 693 Authorizing Signatories for General Fund Account at American Riviera Bank
- f. Resolution No. 694 Authorizing Signatories for Revolving Fund Account at American Riviera Bank
- g. Resolution No. 695 Establishing a Check Signing Policy for Cachuma Project Trust Fund and Master Contract Renewal Fund Accounts for Payment of Claims
- h. Resolution No. 696 Authorizing Signatories for Trust Fund and Renewal Fund Accounts at American Riviera Bank
- i. Resolution No. 697 Establishing a Time and Place for Board Meetings

8. BOARD DISCUSSION ON COMMUNICATION PRACTICES

Discussion and possible action by motion and roll call vote of the Board

9. GENERAL MANAGER REPORT

Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:

- Administration
- Operations

10. ENGINEER / OPERATIONS REPORT

Receive information from the Water Resources Engineer, including but not limited to the following:

- Climate Conditions
- Lake Water Quality and Sediment Management Study
- Sycamore Canyon Slope Stabilization Project
- Infrastructure Improvement Project Status

11. FISHERIES DIVISION REPORT

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

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

12. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

Receive information regarding the Lake Cachuma Oak Tree Program including but not limited to the following:

- Maintenance and Monitoring

13. MONTHLY CACHUMA PROJECT REPORTS

Receive information regarding the Cachuma Project, including but not limited to the following:

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

14. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

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

- a. [Government Code Section 54956.9(d)(1)]
Name of matter: *Cachuma Operation & Maintenance Board v. Santa Ynez River Water Conservation District, Improvement District Number 1*, Case No. 19CV01873 – Breach of Contract and Declaratory Relief

16. RECONVENE INTO OPEN SESSION

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

- 15a. *Cachuma Operation & Maintenance Board v. Santa Ynez River Water Conservation District, Improvement District Number 1*, Case No. 19CV01873 – Breach of Contract and Declaratory Relief

17. MEETING SCHEDULE

- **August 26, 2019 at 1:00 PM, COMB Office**
- **Board Packages available on COMB website www.cachuma-board.org**

18. COMB ADJOURNMENT

NOTICE TO PUBLIC

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

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

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

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

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

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

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

**Monday, June 24, 2019
1:00 PM**

1. CALL TO ORDER, ROLL CALL

The meeting was called to order by President Holcombe at 1:00 PM

Directors Present:

Lauren Hanson, Goleta Water District
Polly Holcombe, Carpinteria Valley Water District
Tobe Plough, Montecito Water District
Kristen Sneddon, City of Santa Barbara

General Counsel Present:

William Carter, Musick, Peeler & Garrett, LLP

Staff Present:

Janet Gingras, General Manager	Tim Robinson, Fisheries Division Manager
Edward Lyons, Administrative Manager/CFO	Dorothy Turner, Administrative Assistant II
Joel Degner, Water Resources Engineer	

Others Present:

Kelley Dyer, City of Santa Barbara	Don Sims, Genesis Pipe Rehab
Cori Hayman, Montecito Water District	Nick Turner, Montecito Water District
Mark Preston, SY Valley We Watch	Matt Young, Santa Barbara County Water Agency

2. PUBLIC COMMENT

Mr. Preston shared several comments with the Board concerning water releases, Lake Cachuma history, water usage and management.

Mr. Sims introduced himself to the Board as a sales representative working with companies providing infrastructure rehabilitation technologies and suggested there might be possible applications for COMB.

3. CONSENT AGENDA

- a. Minutes of May 9, 2019 Special Board Meeting
- b. Minutes of May 20, 2019 Regular Board Meeting
- c. Investment of Funds
 - Financial Reports
 - Investment Reports
- d. Review of Paid Claims

Ms. Gingras presented the Consent Agenda, noting total receipts for May 2019 and commenting on a few of the paid claims. The Consent Agenda was divided into three motions.

Director Sneddon motioned that the Board approve the Minutes of the May 9, 2019 Special Board meeting. Seconded by Director Hanson, the motion passed with five in favor and one abstention.

Ayes: Sneddon, Hanson, Holcombe

Nays:

Absent:

Abstain: Plough

Motion was made by Director Hanson to approve the Minutes of the Regular Board Meeting of May 20, 2019. Director Sneddon seconded and the motion passed with a vote of four in favor and two abstentions.

Ayes: Sneddon, Hanson

Nays:

Absent:

Abstain: Plough, Holcombe

Director Hanson motioned to approve the remaining items of the Consent Agenda. Motion was seconded by Director Sneddon and passed unanimously with a vote of six in favor.

Ayes: Sneddon, Plough, Hanson, Holcombe

Nays:

Absent:

Abstain:

4. VERBAL REPORTS FROM BOARD COMMITTEES

- ***Fisheries Committee Meeting – June 17, 2019*** – Director Hanson recapped the items on the Fisheries Committee Meeting agenda as provided in the Board packet. She noted that the Scopes of Work for Fiscal Year 2019-20 are addressed within this meeting's agenda.

5. FISCAL YEAR 2019-20 ELECTIONS AND APPOINTMENTS OF CACHUMA OPERATION AND MAINTENANCE BOARD

- a. Election of President
- b. Election of Vice-President

- c. Appointment of ACWA/JPIA Representative and Alternate
- d. Appointment of General Counsel
- e. Appointment of Secretary of the Board
- f. Appointment of Treasurer and Auditor-Controller

Preparatory to nominations, President Holcombe expressed her willingness to continue serving as President, if the Board so desired. Director Sneddon moved that President Holcombe be nominated to continue as President of the Board for the upcoming fiscal year. Seconded by Director Hanson, the motion passed unanimously with a vote of six in favor.

Ayes: Sneddon, Plough, Hanson, Holcombe

Nays:

Absent:

Abstain:

Director Hanson queried whether Director Sneddon might like to step up as Vice-President. After discussion, Director Hanson nominated Director Sneddon for the office of Vice-President. Seconded by Director Holcombe, the motion passed unanimously with six in favor.

Ayes: Sneddon, Plough, Hanson, Holcombe

Nays:

Absent:

Abstain:

Ms. Gingras suggested the slate of appointments listed under items c-f be addressed in a single motion. Accordingly, Director Hanson motioned that those currently appointed, as contained in the staff memo, be re-appointed for the upcoming fiscal year. Director Sneddon seconded the motion which passed unanimously with six in favor.

Ayes: Sneddon, Plough, Hanson, Holcombe

Nays:

Absent:

Abstain:

6. SCOPES OF WORK - FISHERIES DIVISION PROFESSIONAL CONSULTING SERVICES FOR FISCAL YEAR 2019-20

Mr. Robinson presented the scopes of work for fiscal year 2019-20, providing historical background on the development of the scopes of work. The scopes of work are determined by COMB and have been pared down to the four before the Board for approval. Mr. Robinson fielded questions from the Board. Following discussion, Director Hanson motioned that the Board approve the scopes of work for fiscal year 2019-20 for the Fisheries Division. Director Plough seconded and the motion passed unanimously with a vote of six in favor.

Ayes: Sneddon, Plough, Hanson, Holcombe

Nays:

Absent:

Abstain:

7. GENERAL MANAGER REPORT

- Administration
- Personnel
- U.S. Bureau of Reclamation

Ms. Gingras presented the General Manager report as provided in the Board packet, highlighting field work beginning on the annual CAFR audit and single audit, staff attendance at an infrastructure funding fair and identification of possible grant funding for the Lake Cachuma Water Quality & Sediment Management Study. Further, she highlighted upcoming management anti-harassment training and COMB's ESRI Conference presentation of Lake Cachuma sedimentation using GIS and subsequent comparisons. She updated the Board on the status of the Hilton Creek Watering System snorkel repair. At the Board's request, Mr. Robinson further discussed the repairs necessary to the Hilton Creek Watering System.

8. WATER RESOURCES ENGINEER / OPERATIONS DIVISION REPORT

- Climate Conditions
- Lake Water Quality and Sediment Management Study
- Infrastructure Improvement Project Status
- Report of Operations

Mr. Degner presented the Water Resources Engineer report, reviewing the demands on the water supply and the upcoming Gibraltar releases required by the Gin Chow decision. He reported on the recent nutrient and algal sampling at Lake Cachuma and the comparison bathymetric studies of sedimentation deposits within the lake, which will be presented at the upcoming ERSI Conference in July. Mr. Degner reviewed the statuses of the Infrastructure Improvement Projects. Ms. Gingras complimented staff for securing a \$750,000 grant from Reclamation for the secured pipeline project. Mr. Degner fielded questions from the Board.

Mr. Degner presented the Operations Division report, noting general ongoing maintenance. He highlighted additional required inspections of Lauro reservoir, due to higher elevation which was remediated by temporary suspension of inflows from the Gibraltar penstock. Further, he highlighted the upgrade of the Field Maplet server.

9. FISHERIES DIVISION REPORT

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

Mr. Robinson presented the Fisheries Division report, noting previously discussed repairs ongoing for the Hilton Creek Water Systems and the tri-annual snorkel surveys underway. The Quiota Creek Crossing 8 project was discussed. Finally, Mr. Robinson reported that the 2017 Annual Monitoring Summary was out for review and the Annual Monitoring Report would go to Reclamation that day. He fielded questions from the Board.

10. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

- Maintenance and Monitoring

Mr. Robinson presented the Oak Tree Program report. He reported that irrigation and weeding were the focus for the prior month and that the operations crew assisted in a fire safety road grading task. He noted he is anticipating the annual Oak Tree Committed meeting in July and that he will attend the ESRI conference.

11. MONTHLY CACHUMA PROJECT REPORTS

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

Ms. Gingras presented the Cachuma Project reports, noting that no State water has been deposited in the lake. She reported that Member Agencies had secured their full allocations for this water year and had requested full allocations for next water year as well. A short discussion followed regarding potential work-arounds for incoming State water.

12. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

Director Holcombe requested that a conversation about preferred methods of communication be scheduled. Direct Sneddon suggested that the Board might wish to review the scheduling of Board meetings, as the need for the 1:00 PM accommodation no longer exists.

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

- a. [Government Code Section 54956.9(d)(1)]
Name of matter: *Cachuma Operation & Maintenance Board v. Santa Ynez River Water Conservation District, Improvement District Number 1*, Case No. 19CV01873 – Breach of Contract and Declaratory Relief

The Board entered into Closed Session at 2:33 PM.

14. RECONVENE INTO OPEN SESSION

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

- 13a. *Cachuma Operation & Maintenance Board v. Santa Ynez River Water Conservation District, Improvement District Number 1*, Case No. 19CV01873 – Breach of Contract and Declaratory Relief

The Board came out of Closed Session at 2:44 PM. There was no reportable action.

15. MEETING SCHEDULE

- **July 22, 2019 at 1:00 PM, COMB Office**
- **Board Packages available on COMB website www.cachuma-board.org**

16. COMB ADJOURNMENT

There being no further business, the meeting was adjourned at 2:46 PM.

Respectfully submitted,

Janet Gingras, Secretary of the Board

APPROVED:

	<i>Approved</i>
√	<i>Unapproved</i>

Polly Holcombe, President of the Board

Cachuma Operation & Maintenance Board
Statement of Net Position
As of June 30, 2019
UNAUDITED FINANCIALS

ASSETS	<u>Jun 30, 19</u>
Current Assets	
Checking/Savings	
Trust Funds	
1210 · Warren Act Trust Fund	\$ 691,617.72
1220 · Renewal Fund	<u>10,215.61</u>
Total Trust Funds	\$ 701,833.33
1050 · General Fund	514,282.71
1100 · Revolving Fund	<u>18,115.94</u>
Total Checking/Savings	1,234,231.98
Accounts Receivable	
1301 · Accounts Receivable	123,359.01
1325 · Bank Loan Receivable - EPFP	<u>115,862.55</u>
Total Accounts Receivable	239,221.56
Other Current Assets	
1010 · Petty Cash	500.00
1200 · LAIF	1,312,000.87
1303 · Bradbury SOD Act Assessments Receivable	195,566.00
1304 · Lauro Dam SOD Assessments Receivable	30,258.63
1400 · Prepaid Insurance	<u>19,555.72</u>
Total Other Current Assets	<u>1,557,881.22</u>
Total Current Assets	<u>3,031,334.76</u>
Fixed Assets	
1500 · Vehicles	445,723.91
1505 · Office Furniture & Equipment	443,923.41
1510 · Mobile Offices	97,803.34
1515 · Field Equipment	594,001.22
1525 · Paving	38,351.00
1550 · Accumulated Depreciation	<u>(1,462,883.66)</u>
Total Fixed Assets	156,919.22
Other Assets	
1910 · Long Term Bradbury SOD Act Assessments Receivable	4,680,154.07
1920 · Long Term Lauro SOD Act Assessments Receivable	835,169.28
1922 · Deferred Outflow of Resources (GASB 68)	<u>581,365.00</u>
Total Other Assets	<u>6,096,688.35</u>
TOTAL ASSETS	<u><u>\$ 9,284,942.33</u></u>

Cachuma Operation & Maintenance Board
Statement of Net Position
As of June 30, 2019
UNAUDITED FINANCIALS

LIABILITIES & NET POSITION	<u>Jun 30, 19</u>
Liabilities	
Current Liabilities	
Accounts Payable	
2200 · Accounts Payable	\$ 250,895.86
Total Accounts Payable	<u>250,895.86</u>
Other Current Liabilities	
2550 · Vacation/Sick	150,085.16
2561 · Bradbury Dam SOD Act	195,576.66
2563 · Lauro Dam SOD Act	30,258.63
2565 · Accrued Interest SOD Act	62,424.00
2567 · Loan Payable Current EPFP	418,020.44
2590 · Deferred Revenue	701,833.33
Total Other Current Liabilities	<u>1,558,198.22</u>
Total Current Liabilities	<u>1,809,094.08</u>
Long Term Liabilities	
2602 · Long Term SOD Act Liability-Bradbury	4,680,144.07
2603 · Long Term SOD Act Liability-Lauro	835,169.28
2604 · OPEB Long Term Liability	5,078,967.00
2605 · Loan Payable Principal - EPFP	503,662.77
2610 · Net Pension Liability (GASB 68)	1,781,995.00
2611 · Deferred Inflow of Resources (GASB 68)	149,386.00
Total Long Term Liabilities	<u>13,029,324.12</u>
Total Liabilities	<u>14,838,418.20</u>
Net Position	
3000 · Opening Balance Net Position	(5,296,580.05)
3901 · Retained Net Position	(1,283,902.60)
Net Position	<u>1,027,006.78</u>
Total Net Position	<u>(5,553,475.87)</u>
TOTAL LIABILITIES & NET POSITION	<u><u>\$ 9,284,942.33</u></u>

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures
 Budget vs. Actuals July 2018 - Jun 2019

	Fisheries				Operations				TOTAL			
	Jul '18 - Jun 19	Budget	\$ Over/(Under)		Jul '18 - Jun 19	Budget	\$ Over/(Under)		Jul '18 - Jun 19	Budget	\$ Over/(Under)	
			Budget	% of Budget			Budget	% of Budget			Budget	% of Budget
Revenue												
3000 REVENUE												
3001 · O&M Budget (Qtrly Assessments)	\$ 883,729.03	\$ 946,511.00	-\$62,781.97	93.37%	\$3,290,378.00	\$3,292,374.00	-\$1,996.00	99.94%	\$4,174,107.03	\$4,238,885.00	-\$64,777.97	98.47%
3006 · Warren Act	569,521.00	539,521.00	30,000.00	105.56%	0.00				569,521.00	539,521.00	30,000.00	105.56%
3009 · EPFP Loan (Qtrly Assessments)	0.00				463,450.20				463,450.20	0.00	463,450.20	100.0%
3010 · Interest Income	0.00				23,226.65				23,226.65	0.00	23,226.65	100.0%
3035 · Cachuma Project Betterment Fund	90,000.00	90,000.00	0.00	100.0%	0.00				90,000.00	90,000.00	0.00	100.0%
3037 · Grant-QC Crossing #5	893,287.00	893,287.00	0.00	100.0%	0.00				893,287.00	893,287.00	0.00	100.0%
3039 · Grant-QC Crossing #9	993,121.00	993,121.00	0.00	100.0%	0.00				993,121.00	993,121.00	0.00	100.0%
3042 · Sycamore Cnyn Slope Stabln Reim	0.00				7,502.00				7,502.00	0.00	7,502.00	100.0%
Total 3000 REVENUE	3,429,658.03	3,462,440.00	-32,781.97	99.05%	3,784,556.85	3,292,374.00	492,182.85	114.95%	7,214,214.88	6,754,814.00	459,400.88	106.8%
Total Income	3,429,658.03	3,462,440.00	-32,781.97	99.05%	3,784,556.85	3,292,374.00	492,182.85	114.95%	7,214,214.88	6,754,814.00	459,400.88	106.8%
Gross Profit	3,429,658.03	3,462,440.00	-32,781.97	99.05%	3,784,556.85	3,292,374.00	492,182.85	114.95%	7,214,214.88	6,754,814.00	459,400.88	106.8%
Expense												
3100 · LABOR - OPERATIONS	0.00				749,876.27	813,247.00	-63,370.73	92.21%	749,876.27	813,247.00	-63,370.73	92.21%
3200 VEH & EQUIPMENT												
3201 · Vehicle/Equip Mtce	0.00				31,974.53	30,000.00	1,974.53	106.58%	31,974.53	30,000.00	1,974.53	106.58%
3202 · Fixed Capital	0.00				30,009.36	30,000.00	9.36	100.03%	30,009.36	30,000.00	9.36	100.03%
3203 · Equipment Rental	0.00				3,796.05	5,000.00	-1,203.95	75.92%	3,796.05	5,000.00	-1,203.95	75.92%
3204 · Miscellaneous	0.00				4,993.82	5,000.00	-6.18	99.88%	4,993.82	5,000.00	-6.18	99.88%
Total 3200 VEH & EQUIPMENT	0.00				70,773.76	70,000.00	773.76	101.11%	70,773.76	70,000.00	773.76	101.11%
3300 · CONTRACT LABOR												
3301 · Conduit, Meter, Valve & Misc	0.00				21,904.58	20,000.00	1,904.58	109.52%	21,904.58	20,000.00	1,904.58	109.52%
3302 · Buildings & Roads	0.00				6,080.44	20,000.00	-13,919.56	30.4%	6,080.44	20,000.00	-13,919.56	30.4%
3303 · Reservoirs	0.00				24,762.84	30,000.00	-5,237.16	82.54%	24,762.84	30,000.00	-5,237.16	82.54%
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				52,747.86	95,000.00	-42,252.14	55.52%	52,747.86	95,000.00	-42,252.14	55.52%
3400 · MATERIALS & SUPPLIES												
3401 · Conduit, Meter, Valve & Misc	0.00				65,051.45	65,000.00	51.45	100.08%	65,051.45	65,000.00	51.45	100.08%
3402 · Buildings & Roads	0.00				8,000.00	8,000.00	0.00	100.0%	8,000.00	8,000.00	0.00	100.0%
3403 · Reservoirs	0.00				8,623.72	5,000.00	3,623.72	172.47%	8,623.72	5,000.00	3,623.72	172.47%
Total 3400 · MATERIALS & SUPPLIES	0.00				81,675.17	78,000.00	3,675.17	104.71%	81,675.17	78,000.00	3,675.17	104.71%
3500 · OTHER EXPENSES												
3501 · Utilities	0.00				6,598.02	7,000.00	-401.98	94.26%	6,598.02	7,000.00	-401.98	94.26%
3502 · Uniforms	0.00				858.97	5,000.00	-4,141.03	17.18%	858.97	5,000.00	-4,141.03	17.18%
3503 · Communications	0.00				19,626.34	18,500.00	1,126.34	106.09%	19,626.34	18,500.00	1,126.34	106.09%
3504 · USA & Other Services	0.00				3,332.43	4,000.00	-667.57	83.31%	3,332.43	4,000.00	-667.57	83.31%
3505 · Miscellaneous	0.00				10,202.40	8,000.00	2,202.40	127.53%	10,202.40	8,000.00	2,202.40	127.53%
3506 · Training	0.00				394.55	3,000.00	-2,605.45	13.15%	394.55	3,000.00	-2,605.45	13.15%
Total 3500 · OTHER EXPENSES	0.00				41,012.71	45,500.00	-4,487.29	90.14%	41,012.71	45,500.00	-4,487.29	90.14%
4100 · LABOR - FISHERIES	653,218.18	692,409.00	-39,190.82	94.34%	0.00				653,218.18	692,409.00	-39,190.82	94.34%
4200 · VEHICLES & EQUIP - FISHERIES												
4270 · Vehicle/Equip Mtce	27,443.60	15,000.00	12,443.60	182.96%	0.00				27,443.60	15,000.00	12,443.60	182.96%
4280 · Fixed Capital	15,000.00	15,000.00	0.00	100.0%	0.00				15,000.00	15,000.00	0.00	100.0%
4290 · Miscellaneous	3,742.50	2,500.00	1,242.50	149.7%	0.00				3,742.50	2,500.00	1,242.50	149.7%
Total 4200 · VEHICLES & EQUIP - FISHERIES	46,186.10	32,500.00	13,686.10	142.11%	0.00				46,186.10	32,500.00	13,686.10	142.11%
4220 · CONTRACT LABOR - FISHERIES												
4221 · Meters & Valves	2,076.96	3,000.00	-923.04	69.23%	0.00				2,076.96	3,000.00	-923.04	69.23%
4222 · Fish Projects Maintenance	10,567.74	25,000.00	-14,432.26	42.27%	0.00				10,567.74	25,000.00	-14,432.26	42.27%
Total 4220 · CONTRACT LABOR - FISHERIES	12,644.70	28,000.00	-15,355.30	45.16%	0.00				12,644.70	28,000.00	-15,355.30	45.16%

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures
 Budget vs. Actuals July 2018 - Jun 2019

	Fisheries				Operations				TOTAL			
	Jul '18 - Jun 19	Budget	\$ Over/(Under)		Jul '18 - Jun 19	Budget	\$ Over/(Under)		Jul '18 - Jun 19	Budget	\$ Over/(Under)	
			Budget	% of Budget			Budget	% of Budget			Budget	% of Budget
4300 · MATERIALS/SUPPLIES - FISHERIES												
4390 · Miscellaneous	7,731.85	7,000.00	731.85	110.46%	0.00				7,731.85	7,000.00	731.85	110.46%
Total 4300 · MATERIALS/SUPPLIES - FISHERIES	7,731.85	7,000.00	731.85	110.46%	0.00				7,731.85	7,000.00	731.85	110.46%
4500 · OTHER EXPENSES - FISHERIES												
4502 · Uniforms	707.21	3,500.00	-2,792.79	20.21%	0.00				707.21	3,500.00	-2,792.79	20.21%
Total 4500 · OTHER EXPENSES - FISHERIES	707.21	3,500.00	-2,792.79	20.21%	0.00				707.21	3,500.00	-2,792.79	20.21%
4999 · GENERAL & ADMINISTRATIVE												
5000 · Director Fees	0.00				7,625.80	12,000.00	-4,374.20	63.55%	7,625.80	12,000.00	-4,374.20	63.55%
5001 · Director Mileage	0.00				491.05	1,000.00	-508.95	49.11%	491.05	1,000.00	-508.95	49.11%
5100 · Legal	0.00				87,649.41	75,000.00	12,649.41	116.87%	87,649.41	75,000.00	12,649.41	116.87%
5101 · Audit	0.00				14,453.68	22,750.00	-8,296.32	63.53%	14,453.68	22,750.00	-8,296.32	63.53%
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				22,262.35	50,551.00	-28,288.65	44.04%	22,262.35	50,551.00	-28,288.65	44.04%
5310 · Postage/Office Exp	0.00				6,334.44	5,000.00	1,334.44	126.69%	6,334.44	5,000.00	1,334.44	126.69%
5311 · Office Equip/Leases	0.00				9,637.44	9,200.00	437.44	104.76%	9,637.44	9,200.00	437.44	104.76%
5312 · Misc Admin Expenses	0.00				14,430.34	11,500.00	2,930.34	125.48%	14,430.34	11,500.00	2,930.34	125.48%
5313 · Communications	0.00				8,121.24	8,500.00	-378.76	95.54%	8,121.24	8,500.00	-378.76	95.54%
5314 · Utilities	0.00				8,849.33	9,737.00	-887.67	90.88%	8,849.33	9,737.00	-887.67	90.88%
5315 · Membership Dues	0.00				9,855.99	9,345.00	510.99	105.47%	9,855.99	9,345.00	510.99	105.47%
5316 · Admin Fixed Assets	0.00				10,871.87	3,000.00	7,871.87	362.4%	10,871.87	3,000.00	7,871.87	362.4%
5318 · Computer Consultant	0.00				18,411.50	15,000.00	3,411.50	122.74%	18,411.50	15,000.00	3,411.50	122.74%
5325 · Emp Training/Subscriptions	0.00				595.04	2,000.00	-1,404.96	29.75%	595.04	2,000.00	-1,404.96	29.75%
5330 · Admin Travel/Conferences	0.00				16.30	2,000.00	-1,983.70	0.82%	16.30	2,000.00	-1,983.70	0.82%
5331 · Public Information	0.00				891.76	3,500.00	-2,608.24	25.48%	891.76	3,500.00	-2,608.24	25.48%
5317 · Admin Contract Labor	0.00				23,614.72	47,680.00	-24,065.28	49.53%	23,614.72	47,680.00	-24,065.28	49.53%
Total 4999 · GENERAL & ADMINISTRATIVE	0.00				244,112.26	292,763.00	-48,650.74	83.38%	244,112.26	292,763.00	-48,650.74	83.38%
5299 · ADMIN LABOR	0.00				529,947.10	549,881.00	-19,933.90	96.38%	529,947.10	549,881.00	-19,933.90	96.38%
5400 · GENERAL & ADMIN - FISHERIES												
5407 · Legal - FD	2,546.93	20,000.00	-17,453.07	12.74%	0.00				2,546.93	20,000.00	-17,453.07	12.74%
5410 · Postage / Office Supplies	3,168.00	4,000.00	-832.00	79.2%	0.00				3,168.00	4,000.00	-832.00	79.2%
5411 · Office Equipment / Leases	5,189.33	5,418.00	-228.67	95.78%	0.00				5,189.33	5,418.00	-228.67	95.78%
5412 · Misc. Admin Expense	6,576.91	7,500.00	-923.09	87.69%	0.00				6,576.91	7,500.00	-923.09	87.69%
5413 · Communications	4,952.94	5,805.00	-852.06	85.32%	0.00				4,952.94	5,805.00	-852.06	85.32%
5414 · Utilities	4,765.07	5,243.00	-477.93	90.88%	0.00				4,765.07	5,243.00	-477.93	90.88%
5415 · Membership Dues	4,966.23	5,955.00	-988.77	83.4%	0.00				4,966.23	5,955.00	-988.77	83.4%
5416 · Admin Fixed Assets	5,854.08	3,000.00	2,854.08	195.14%	0.00				5,854.08	3,000.00	2,854.08	195.14%
5417 · Admin Contract Labor	12,715.65	23,110.08	-10,394.43	55.02%	0.00				12,715.65	23,110.08	-10,394.43	55.02%
5418 · Computer Consultant	9,913.82	7,000.00	2,913.82	141.63%	0.00				9,913.82	7,000.00	2,913.82	141.63%
5425 · Employee Education/Subscription	2,425.40	2,500.00	-74.60	97.02%	0.00				2,425.40	2,500.00	-74.60	97.02%
5426 · Director Fees	4,106.20	6,500.00	-2,393.80	63.17%	0.00				4,106.20	6,500.00	-2,393.80	63.17%
5427 · Director Mileage	264.39	500.00	-235.61	52.88%	0.00				264.39	500.00	-235.61	52.88%
5430 · Travel	1,895.16	2,500.00	-604.84	75.81%	0.00				1,895.16	2,500.00	-604.84	75.81%
5431 · Public Information	1,480.19	1,500.00	-19.81	98.68%	0.00				1,480.19	1,500.00	-19.81	98.68%
5441 · Audit	7,405.82	12,250.00	-4,844.18	60.46%	0.00				7,405.82	12,250.00	-4,844.18	60.46%
5443 · Liab & Property Ins	11,987.42	24,745.00	-12,757.58	48.44%	0.00				11,987.42	24,745.00	-12,757.58	48.44%
Total 5400 · GENERAL & ADMIN - FISHERIES	90,213.54	137,526.08	-47,312.54	65.6%	0.00				90,213.54	137,526.08	-47,312.54	65.6%
5499 · ADMIN LABOR-FISHERIES	201,508.98	211,508.92	-9,999.94	95.27%	0.00				201,508.98	211,508.92	-9,999.94	95.27%

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures
 Budget vs. Actuals July 2018 - Jun 2019

	Fisheries				Operations				TOTAL			
	Jul '18 - Jun 19	Budget	\$ Over/(Under)		Jul '18 - Jun 19	Budget	\$ Over/(Under)		Jul '18 - Jun 19	Budget	\$ Over/(Under)	
			Budget	% of Budget			Budget	% of Budget			Budget	% of Budget
5510 · Integrated Reg. Water Mgt Plan	0.00				5,114.93	5,000.00	114.93	102.3%	5,114.93	5,000.00	114.93	102.3%
6000 · SPECIAL PROJECTS												
6062 · SCADA	0.00				1,065.00	20,000.00	-18,935.00	5.33%	1,065.00	20,000.00	-18,935.00	5.33%
6090 · COMB Office Building	0.00				6,022.15	200,000.00	-193,977.85	3.01%	6,022.15	200,000.00	-193,977.85	3.01%
6096 · SCC Structure Rehabilitation	0.00				527,531.95	484,400.00	43,131.95	108.9%	527,531.95	484,400.00	43,131.95	108.9%
6096-2 · SCC Str Rehab Thomas DebrisFlow	0.00				15,690.82				15,690.82	0.00	15,690.82	100.0%
6097 · GIS and Mapping	0.00				11,641.19	10,000.00	1,641.19	116.41%	11,641.19	10,000.00	1,641.19	116.41%
6105 · ROW Management Program	0.00				21,523.36	20,000.00	1,523.36	107.62%	21,523.36	20,000.00	1,523.36	107.62%
6118 · Repair Lateral 3 Structure	0.00				88,384.50	100,000.00	-11,615.50	88.39%	88,384.50	100,000.00	-11,615.50	88.39%
6120 · Emergency Pumping Fac Project	0.00				109,939.18	230,000.00	-120,060.82	47.8%	109,939.18	230,000.00	-120,060.82	47.8%
6122 · Rehab San Antonio Crk Blow-off	0.00				73,296.26	60,000.00	13,296.26	122.16%	73,296.26	60,000.00	13,296.26	122.16%
6132 · Sycamore Canyon Slope Stabiliz	0.00				54,897.17	500,000.00	-445,102.83	10.98%	54,897.17	500,000.00	-445,102.83	10.98%
6132-1 · SycCynSlopeStab-CO Funds FY2017	0.00				0.00	-500,000.00	500,000.00	0.0%	0.00	-500,000.00	500,000.00	0.0%
6135 · SCC San Jose Creek Pipe Stabili	0.00				4,076.68				4,076.68	0.00	4,076.68	100.0%
6136 · SCC Isolation Valve Evaluation	0.00				0.00	25,000.00	-25,000.00	0.0%	0.00	25,000.00	-25,000.00	0.0%
6137 · SCC Lower Reach Lateral Structu	0.00				17,193.50	50,000.00	-32,806.50	34.39%	17,193.50	50,000.00	-32,806.50	34.39%
6138 · Cachuma Watershed Mgmt Study	0.00				183,328.28	143,583.00	39,745.28	127.68%	183,328.28	143,583.00	39,745.28	127.68%
Total 6000 · SPECIAL PROJECTS	0.00				1,114,590.04	1,342,983.00	-228,392.96	82.99%	1,114,590.04	1,342,983.00	-228,392.96	82.99%
6200 · FISHERIES ACTIVITIES												
6201 · FMP Implementation	26,389.25	45,000.00	-18,610.75	58.64%	0.00				26,389.25	45,000.00	-18,610.75	58.64%
6202 · GIS and Mapping	4,401.19	10,000.00	-5,598.81	44.01%	0.00				4,401.19	10,000.00	-5,598.81	44.01%
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	6,000.00	-6,000.00	0.0%	0.00				0.00	6,000.00	-6,000.00	0.0%
6205 · USGS Stream Gauge Program	79,775.68	100,000.00	-20,224.32	79.78%	0.00				79,775.68	100,000.00	-20,224.32	79.78%
6206 · Tri County Fish Team Funding	5,000.00	5,000.00	0.00	100.0%	0.00				5,000.00	5,000.00	0.00	100.0%
6207 · Oak Tree Restoration Program	16,590.68	40,000.00	-23,409.32	41.48%	0.00				16,590.68	40,000.00	-23,409.32	41.48%
Total 6200 · FISHERIES ACTIVITIES	132,156.80	216,000.00	-83,843.20	61.18%	0.00				132,156.80	216,000.00	-83,843.20	61.18%
6300 · HABITAT ENHANCEMENT												
6303 · Tributary Projects Support	18,262.30	20,000.00	-1,737.70	91.31%	0.00				18,262.30	20,000.00	-1,737.70	91.31%
6315 · Quiota Creek Crossing 8	46,059.35	30,000.00	16,059.35	153.53%	0.00				46,059.35	30,000.00	16,059.35	153.53%
6316 · Quiota Creek Crossing 5	942,317.93	960,000.00	-17,682.07	98.16%	0.00				942,317.93	960,000.00	-17,682.07	98.16%
6317 · Salsipuedes Fish Ladder Repair	0.00	8,000.00	-8,000.00	0.0%	0.00				0.00	8,000.00	-8,000.00	0.0%
6318 · Quiota Creek Crossing 9	1,102,610.21	1,115,996.00	-13,385.79	98.8%	0.00				1,102,610.21	1,115,996.00	-13,385.79	98.8%
Total 6300 · HABITAT ENHANCEMENT	2,109,249.79	2,133,996.00	-24,746.21	98.84%	0.00				2,109,249.79	2,133,996.00	-24,746.21	98.84%
7007 · INTEREST EXPENSE-EPFP	0.00				43,740.85				43,740.85	0.00	43,740.85	100.0%
Total Expense	3,253,617.15	3,462,440.00	-208,822.85	93.97%	2,933,590.95	3,292,374.00	-358,783.05	89.1%	6,187,208.10	6,754,814.00	-567,605.90	91.6%
Net Surplus/Deficit	\$ 176,040.88	\$ 0.00	\$ 176,040.88	100.0%	\$ 850,965.90	\$ 0.00	\$ 850,965.90	100.0%	\$ 1,027,006.78	\$ 0.00	\$ 1,027,006.78	100.0%

Footnote/Disclosure:

(1) The budget for the Cachuma Watershed Management Study was adjusted to reflect Phase I costs only (\$143,583). The second phase of the project will commence in fiscal year 2019-20 for a cost of \$275,085.

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	July 22, 2019
Submitted by:	Janet Gingras

SUBJECT: Investment Report – June 30, 2019

RECOMMENDATION

The Board of Directors receive and file the Cachuma Operation and Maintenance Board Investment Report as of June 30, 2019.

DISCUSSION

Cash and investment programs are maintained in accordance with California Government Code Section 53600 et seq. and COMB's adopted investment policy. These policies ensure proper control and safeguards are maintained throughout the financial transaction process. Pursuant to State law, the COMB Board adopts a detailed investment policy through a Board resolution on an annual basis.

Reports on COMB's investment portfolio and cash position are developed and presented to the COMB Board on a monthly basis, in conformity with the California Government Code.

Unrestricted Cash

Unrestricted cash exceeding current operating needs is invested in LAIF to generate interest income. The average monthly effective yield rate, as of June 2019, is reported at 2.428%.

See Table 1 below for a summary of balances held in unrestricted accounts.

TABLE 1			
Unrestricted Reserve Funds		Date	Principal
Local Agency Investment Fund (LAIF)			
Previous Balance		05/31/2019	\$ 1,587,000.87
(+) Deposits/Credits			
(-) Checks/Withdrawals		6/26/2019	(275,000.00)
Statement Balance		06/28/2019	\$ 1,312,000.87

Restricted Cash

The Cachuma Project Warren Act Trust Fund (Trust Fund) and Cachuma Project Master Contract Renewal Fund (Renewal Fund) are two separate funds that have been established through contracts with the U.S. Bureau of Reclamation (Reclamation). The Trust Fund and the Renewal Fund require annual and five-year plans which are used to inform the Funds Committee in making decisions on expenditures for betterment of the Cachuma Project.

See Table 2 below for a summary of balances held in restricted accounts.

TABLE 2			
Restricted Reserve Funds		Date	Principal
American Riviera Bank Renewal Account			
	Previous Balance	05/31/2019	\$ 10,215.61
	(+) Deposits/Credits		-
	(-) Checks/Withdrawals		-
	Statement Balance	06/28/2019	\$ 10,215.61
American Riviera Bank Warren Acct Trust Fund			
	Previous Balance	05/31/2019	\$ 691,617.72
	(+) Deposits/Credits		
	(-) Checks/Withdrawals		
	Statement Balance	06/28/2019	\$ 691,617.72

STATEMENT

The above statement of investment activity for the month of June, 2019, 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 and LAIF investments of this agency for the period indicated.



 Secretary

Cachuma Operation & Maintenance Board

Paid Claims

As of June 30, 2019

Date	Num	Name	Memo	Amount
1050 - General Fund				
06/06/2019	26895	AT&T	Long Distance Charges 4/28/19-5/27/19	-580.22
06/06/2019	26896	City of Santa-Barbara	Trash / Recycling May 2019	-249.88
06/06/2019	26897	Culligan of Sylmar	RO Rental June 2019	-28.95
06/06/2019	26898	Dal Pozzo Tire Corp.	2007 Chevy Silverado 3500HD - Wheel Alignment (Ops)	-65.00
06/06/2019	26899	ECHO Communications	Message Service May 2019	-77.55
06/06/2019	26900	Frontier Communications	Phone Service - North Portal	-59.75
06/06/2019	26901	Frontier Communications	Phone Service - Carpinteria	-59.75
06/06/2019	26902	Frontier Communications	Phone Service - Main	-430.53
06/06/2019	26903	Frontier Communications	Phone Service - Ortega Reservoir	-59.75
06/06/2019	26904	Giffin Rental & Western Welding	Equipment Rental (Fisheries)	-69.58
06/06/2019	26905	Harrison Hardware	Supplies (Fisheries)	-160.80
06/06/2019	26906	HDR Engineering, Inc.	Lauro Outlet Tunnel Concrete Saddle Repair (Ops)	-2,832.75
06/06/2019	26907	HDR Engineering, Inc.	FMP Implementation & Quiota Creek Crossing 8 (Fisheries)	-3,487.60
06/06/2019	26908	Kenney Construction, Inc.	Lower Reach Culvert Outlet Repairs (Ops)	-11,330.00
06/06/2019	26909	MarBorg Industries	Portable Facilities - Outlying Stations (Ops)	-358.49
06/06/2019	26910	Nestle Pure Life Direct	Operations - Safety	-91.27
06/06/2019	26911	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 5/3, 5/17 & 5/31/19	-295.75
06/06/2019	26912	SB Home Improvement Center	Road Maintenance Supplies (Ops)	-34.22
06/06/2019	26913	Sea Glass Window Cleaning	Window Cleaning - 5 structures	-320.00
06/06/2019	26914	Southern California Edison	Electricity - Main & Outlying Stations	-1,001.57
06/06/2019	26915	Staples Credit Plan	Kitchen & Office Supplies (Ops & Fisheries)	-427.98
06/06/2019	26916	TEK Computer Services	Printer Repair (Ops & Fisheries)	-202.50
06/06/2019	26917	Turenchalk Network Services, Inc.	Network Support & Field Mapplet System Setup	-1,642.00
06/06/2019	26918	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee (Ops)	-138.70
06/06/2019	26919	Wright Express Fleet Services	Fleet Fuel May 2019 (Ops & Fisheries)	-4,089.62
06/11/2019	26920	Jim Vreeland Ford	Purchase 2019 Ford F150 VIN76042 (Ops)	-30,009.36
06/13/2019	26921	C. Philip Brittain	Intake Structure Hoist - Repair (Ops)	-618.99
06/13/2019	26922	Carpinteria Valley Lumber Company	Supplies - Weed Abatement (Ops)	-20.70
06/13/2019	26923	Case Van Wingerden	Director Meeting Fees May 2019	-166.41
06/13/2019	26924	Coastal Copy, LP	Copier Maintenance Agreement May 2019 - Taskalfas 3051ci & 6052ci	-624.63
06/13/2019	26925	Cori Hayman	Director Meeting Fees May 2019	-323.20
06/13/2019	26926	Cox Communications Santa Barbara	Business Internet June 2019	-140.00
06/13/2019	26927	Flowers & Associates, Inc.	GIS & Mapping - Engineering Services (Ops)	-3,403.00
06/13/2019	26928	Flowers & Associates, Inc.	Sycamore Canyon Slide Stabilization - Engineering Services (Ops)	-3,213.50
06/13/2019	26929	Frontier Communications	Phone Service - SCADA (Ops)	-571.05
06/13/2019	26930	J&C Services	Office Cleaning Service - Weekly 5/9/19-5/31/19	-600.00
06/13/2019	26931	Kristen Sneddon	Director Meeting Fees May 2019	-309.62
06/13/2019	26932	Lauren W. Hanson	Director Meeting Fees May 2019	-311.60
06/13/2019	26933	Polly Holcombe	Director Meeting Fees May 2019	-144.41
06/13/2019	26934	Premiere Global Services	Conference Calls May 2019	-50.04
06/13/2019	26935	Southern California Edison	Electricity - Outlying Stations (Ops)	-21.49
06/13/2019	26936	Spatial Wave	GIS & Mapping - Field Mapplet 9 Upgrade (Ops)	-1,080.00
06/13/2019	26937	Spatial Wave	GIS & Mapping - Field Mapplet Software Maintenance July-September 2019 (Ops)	-925.00
06/13/2019	26938	Tri-Co Reprographics	Quiota Creek Crossing 8 - Printing (Fisheries)	-129.37
06/13/2019	26939	Verizon Wireless	Wireless Services - Cell Phones, Modems, SCADA (Ops)	-756.86
06/25/2019	ACH062519A	American Riviera Bank (ARB)	EPFP Loan Payment 1 of 2	-28,123.75
06/25/2019	ACH062519B	American Riviera Bank (ARB)	EPFP Loan Payment 2 of 2	-10,354.21
06/27/2019	26940	Business Card	Website Hosting, Ford F150 Tires, Supplies, Misc (Ops & Fisheries)	-1,427.58
06/27/2019	26941	Cushman Contracting Corp.	EPFP Pumping System - Pay Req #62 (Ops)	-3,500.00
06/27/2019	26942	Dal Pozzo Tire Corp.	Backhoe Tire Repair (Ops)	-45.00
06/27/2019	26943	Federal Express	Shipping (Ops & Fisheries)	-52.05
06/27/2019	26944	PG&E	Electricity - Tecolote Tunnel & North Portal	-394.81
06/27/2019	26945	Pitney Bowes Global Financial Services LLC	Postage Meter Quarterly Lease Payment 7/10/19-10/9/19	-436.16
06/27/2019	26946	Powell Garage	Oil Change & Water Truck Repair (Fisheries)	-935.88
06/27/2019	26947	Quinn Company	Annual Maintenance - Lauro & North Portal Generators	-3,749.70
06/27/2019	26948	Southern California Edison	Electricity - 4120 Foothill Rd PED	-11.15
06/27/2019	26949	The Gas Company	Gas - Main Office	-3.99
06/27/2019	26950	Zac Gonzalez Landscaping & Tree Care	Grounds Maintenance - Landscaping	-900.59
Total 1050 - General Fund				<u>-121,448.31</u>
TOTAL				<u>-121,448.31</u>

APPROVED FOR PAYMENT

Director

Director

Director

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CACHUMA OPERATION & MAINTENANCE BOARD

Fisheries Committee Meeting

3301 Laurel Canyon Road
Santa Barbara, CA 93105

Wednesday, July 17, 2019
10:00 AM

AGENDA

Chair: Director Hanson

Member: Director Hayman

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter not on the agenda and within the Committee's jurisdiction*)
3. Quiota Creek Crossing No. 8 Fish Passage Improvement Project (*for information*)
4. Cachuma Project Warren Act Trust Fund / Cachuma Project Master Contract Renewal Fund - Water Year 2019-20 Annual and Long Term Plan – Santa Barbara County Betterment Fund (*for information and possible recommendation*)
5. Annual Monitoring Reports (AMR) / Annual Monitoring Summary (AMS) Updates (*for information*)
6. Update on Recent Fisheries Division Activities (*for information*)
7. Adjournment

NOTICE TO THE PUBLIC

Public Comment: The public is welcome to attend and observe the meeting. A public comment period will be included at the meeting where any member of the public may address the Committee on any subject within the Committee's jurisdiction. The total time for this item will be limited by the Chair.

Americans with Disabilities Act: In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact Cachuma Operation & Maintenance Board (COMB) at 569-1391 at least 48 hours prior to the meeting to enable staff to make reasonable arrangements.

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

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	July 22, 2019
Submitted by:	Janet Gingras

SUBJECT: Committee Appointments for Fiscal Year 2019-20

RECOMMENDATION:

It is recommended that the President of the Board consider and appoint standing committee members for Fiscal Year 2019-20.

SUMMARY:

The COMB Board consists of five standing committees including Administrative, Operations, Fisheries, Lake Cachuma Oak Tree, and Public Outreach. Each committee consists of two Board Directors (one of which is the Chair and the other a member) and an alternate Director to serve on each committee. The committees meet during the course of the fiscal year, on an as-needed basis, together with COMB staff, to discuss various subjects and make recommendations to the Board. The Board President is responsible for the appointment of Directors to serve on each committee.

LIST OF EXHIBITS:

1. Current Committee appointments

COMMITTEE NAME	COMMITTEE CHAIR	COMMITTEE MEMBER	ALTERNATE MEMBER
Administrative (Finance, Personnel, Legal)	Director Holcombe	Director Hanson	Director Hayman
Operations	Director Sneddon	Director Holcombe	Director Hanson
Fisheries	Director Hanson	Director Hayman	Director Holcombe
Lake Cachuma Oak Tree	Director Hayman	Director Sneddon	Director Hanson
Public Outreach	Director Hanson	Director Holcombe	Director Hayman

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	July 22, 2019
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

SUBJECT: Annual Resolutions Regarding Bank Accounts, Statement of Investment Policy and Establishing a Time and Place for Regular Board Meetings

RECOMMENDATION:

The Board of Directors approve Resolutions No. 689 through No. 697 by roll call vote on one motion, unless a member requests separate consideration.

SUMMARY:

In June or July of each year, the Board holds its annual organizational meeting. The attached resolutions are presented annually to adopt an annual statement of investment policy, affirm the check signing policy for all COMB bank accounts, authorize signatories on those accounts, and establish the time and place of COMB Board meetings. The approval of the attached resolutions is a basic housekeeping item and is identical to the resolutions presented to the Board in the past. Prior resolutions of the same subject matter will be superseded by the resolutions presented within.

The regular COMB Board meetings are held the fourth Monday of each month. Resolution No. 697 establishes regular meeting dates of the COMB Board. However, due to occasions where a holiday falls on or near the fourth Monday, the regular meeting has historically been moved to the third Monday for that particular month.

LIST OF EXHIBITS:

1. Resolutions No. 689 through No. 697

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RESOLUTION NO. 689

**A RESOLUTION OF THE CACHUMA OPERATION AND MAINTENANCE BOARD
ADOPTING AN ANNUAL STATEMENT
OF INVESTMENT POLICY**

WHEREAS, the Board of Directors has heretofore established a General Fund from which monies may be expended for general operating purposes, and

WHEREAS, the Board of Directors, has in addition, established reserve funds designated as "General Reserve" from which monies may be expended for specific and operating purposes, and

WHEREAS, the Cachuma Operation and Maintenance Board has on hand in the General Fund from time to time monies which are surplus to the Board's immediate operating needs, and

WHEREAS, it has been determined to be in the public interest to invest such surplus and inactive monies in a manner which insures a maximum return consistent with safety on such investments while maintaining the integrity of such surplus and inactive funds, and

WHEREAS, the Board of Directors has heretofore designated depositories, and may from time to time hereafter designate additional such depositories to have custody of Cachuma Operation and Maintenance Board funds, and

WHEREAS, such designated depositories must provide security for such Board funds as may be deposited with them, as provided by statute, and

WHEREAS, the Secretary has rendered an Annual Statement of Investment Policy to the Board pursuant to Section 53646(a) of the Government Code

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

The Secretary's Annual Statement of Investment Policy dated July 22, 2019 attached hereto as Exhibit A, is hereby approved and adopted.

PASSED, APPROVED AND ADOPTED this 22nd day of July 2019 by the following roll call vote:

AYES:

NAYS:

ABSENT:

ABSTAIN:

APPROVED:

ATTEST:

President of the Board

Secretary of the Board

TO: Board of Directors
FROM: Janet Gingras, Secretary
DATE: July 22, 2019
RE: **SECRETARY'S ANNUAL STATEMENT OF INVESTMENT POLICY**

The following is my annual statement of investment policy rendered pursuant to Section 53646(a) of the Government Code:

1. Investment of sinking fund or surplus money of Cachuma Operation & Maintenance Board (*Board*) shall be made in securities in which the Board is legally empowered to invest such funds in accordance with Section 53601 of the Government Code, taking into consideration the probable income as well as the probable safety of said funds, exercising the judgment and care under the circumstances prevailing, which persons of prudence, discretion and intelligence exercise in the management of their own affairs, not in regard to speculation, but in regard to the permanent disposition of said funds.
2. As far as possible, all money shall be deposited for safekeeping in state or national banks or state or federal savings and loan associations or may be invested as provided in Section 53635 of the Government Code.
3. Money may be invested in the Local Agency Investment Fund in accordance with Section 16429.1 of the Government Code.
4. No investments shall be made in financial futures or financial option contracts which are otherwise allowed pursuant to Section 53601.1 of the Government Code.
5. All interest earned shall be credited to the General Fund.
6. Accounts shall be established and maintained in Board accounting records to record surplus and inactive funds at all times in accordance with the State Controller's chart of accounts as authorized by Section 53891 of the Government Code.
7. Reserve Fund account balances shall be maintained separately and shall reflect at all times the balance in each reserve fund in a manner consistent with generally accepted accounting practices.
8. Depositories having custody of Board funds shall be directed to forward copies of all correspondence concerning Board funds to the Secretary of the Board.
9. Verification that monies have been on deposit at all times and collateralized in amounts equal to or in excess of funds designated by the Board of Directors as reserve funds shall be made in the annual audit of records.
10. After review and prior authorization by the Board of Directors, the Secretary should be delegated the authority and responsibility to invest or to reinvest funds of the Board or to sell or exchange securities so purchased in accordance with Section 53607 of the Government Code.
11. The Board should from time to time determine which reserve funds are surplus and which are inactive.
12. The Secretary shall render a monthly report to the Board in accordance with Section 53646(b) of the Government Code.

RESOLUTION NO. 690

**RESOLUTION OF THE BOARD OF DIRECTORS OF
CACHUMA OPERATION AND MAINTENANCE BOARD
AUTHORIZING INVESTMENT OF MONIES IN THE
LOCAL AGENCY INVESTMENT FUND**

WHEREAS, Pursuant to Chapter 730 of the statutes of 1976 Section 16429.1 was added to the California Government Code to create a Local Agency Investment Fund in the State Treasury for the deposit of money of a local agency for purposes of investment by the State Treasurer; and

WHEREAS, The Board of Directors does hereby find that the deposit and withdrawal of money in the Local Agency Investment Fund in accordance with the provisions of Section 16429.1 of the Government Code for the purpose of investment as stated therein is in the best interests of the Cachuma Operation and Maintenance Board (COMB).

NOW THEREFORE, BE IT RESOLVED, that the Board of Directors does hereby authorize the deposit and withdrawal of COMB monies in the Local Agency Investment Fund in the State Treasury in accordance with the provisions of Section 16429.1 of the Government Code for the purpose of investment as stated therein, and verification by the State Treasurer's Office of all banking information provided in that regard.

BE IT FURTHER RESOLVED, that the following COMB officers or their successors in office shall be authorized to order the deposit or withdrawal of monies in the Local Agency Investment Fund.

_____ President, Board of Directors	_____ Vice-President, Board of Directors
_____ General Manager/ Secretary of the Board	_____ Administrative Manager/CFO Auditor-Controller

This resolution supersedes Resolution No. 677 dated January 28, 2019, and all resolutions preceding it pertaining to authorized deposits and withdrawals for said account.

PASSED, APPROVED AND ADOPTED, by the Board of Directors of COMB, County of Santa Barbara, State of California on July 22, 2019 by the following vote:

AYES:
NAYS:
ABSENT:
ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board

RESOLUTION NO. 691

**A RESOLUTION OF THE
CACHUMA OPERATION AND MAINTENANCE BOARD (CUSTOMER)
ESTABLISHING A SUPPLEMENTAL ACCOUNT AGREEMENT
FOR TELEPHONE TRANSFERS**

The undersigned Customer further agrees with American Riviera Bank (*formerly The Bank of Santa Barbara*) (Bank) in connection with its Agreement for General Fund and Revolving Fund Accounts, hereinafter referred to as the "checking accounts", that the Bank may honor telephone instructions to transfer funds to and from the State Treasurer's Local Agency Investment Fund, maintained at the Bank of America Sacramento Branch to and from Customer's above listed local accounts when such instructions are given by the person, or one of the persons, authorized below to make such transfers.

In consideration of the Bank accepting telephone instructions to transfer, the Bank may require such identification of the person giving such instructions as it may deem necessary and sufficient and the undersigned Customer will indemnify and hold harmless the Bank from all loss or damage resulting from such instructions, including incorrect identification.

Any one of the following persons is authorized to make telephone transfers to and from the Checking Accounts(s):

_____	_____
President, Board of Directors	Vice-President, Board of Directors
_____	_____
General Manager/ Secretary of the Board	Administrative Manager/CFO Auditor-Controller

The Bank is authorized to accept and rely upon the telephone instructions of the above persons, and each of them, unless and until the undersigned Customer shall deliver to the Bank at the Branch where the Checking accounts are located a specific written instruction revoking the authority of such person(s) to make such telephone instruction, and the Bank has a reasonable opportunity to comply (*which shall be at least one banking business day*) with the written revocation of authority.

This resolution supersedes Resolution No. 678 dated January 28, 2019, and all resolutions preceding it pertaining to said Agreement.

PASSED, APPROVED AND ADOPTED this 22nd day of July 2019 by the following roll call vote:

AYES:

NAYS:

ABSENT:

ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board

RESOLUTION NO. 692

**A RESOLUTION OF THE CACHUMA OPERATION AND MAINTENANCE BOARD
ESTABLISHING A POLICY FOR SIGNING CHECKS DRAWN ON THE GENERAL FUND
ACCOUNT FOR THE PAYMENT OF CLAIMS**

WHEREAS, the Cachuma Operation and Maintenance Board maintains a separate checking account at American Riviera Bank (*formerly The Bank of Santa Barbara*) (Bank) for the payment of bills and claims presented to the Board herein called the General Fund, and

WHEREAS, the checks issued on the General Fund require two (2) authorized signatures before the checks are honored by the Bank; and

WHEREAS, the Board of Directors reviews and approves the payment of claims for all checks issued on the General Fund at the Board's monthly meeting,

NOW, THEREFORE BE IT RESOLVED by the Board of Directors of the Cachuma Operation and Maintenance Board that the following policy be adopted:

All checks issued from the General Fund will require two (2) signatures of the following: General Manager, Administrative Manager/CFO and any member of the Board of Directors.

This resolution supersedes Resolution No. 667 dated July 23, 2018, and all resolutions preceding it pertaining to establishing policy for staff to sign checks for payment of claims.

PASSED, APPROVED AND ADOPTED this 22nd day of July 2019, by the following vote:

AYES:
NAYS:
ABSENT:
ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board

RESOLUTION NO. 693

**A RESOLUTION OF THE
CACHUMA OPERATION AND MAINTENANCE BOARD AUTHORIZING
SIGNATORIES FOR GENERAL FUND ACCOUNT AT
AMERICAN RIVIERA BANK**

WHEREAS, the Cachuma Operation and Maintenance maintains a separate checking account at American Riviera Bank (*formerly The Bank of Santa Barbara*) (Bank) for the payment of bills and claims presented to the Board herein called the General Fund, and

WHEREAS, the checks issued on the General Fund require two (2) authorized signatures; and

WHEREAS, the Board of Directors reviews and approves the payment of claims for all checks issued on the General Fund at the Board's monthly meeting.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Cachuma Operation and Maintenance Board that the following persons are authorized signatories on said account subject to those conditions as specified in Resolution No. 692 adopted by this Board on July 22nd, 2019.

President, Board of Directors

Vice-President, Board of Directors

Director

Director

General Manager/Secretary of the Board

Administrative Manager/CFO Auditor-Controller

This resolution supersedes Resolution No. 679 dated January 28, 2019, and all resolutions preceding it pertaining to authorized signatories for said account.

PASSED, APPROVED AND ADOPTED this 22nd day of July 2019, by the following vote:

AYES:

NAYS:

ABSENT:

ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board

RESOLUTION NO. 694

**A RESOLUTION OF THE
CACHUMA OPERATION AND MAINTENANCE BOARD AUTHORIZING
SIGNATORIES FOR REVOLVING FUND ACCOUNT AT
AMERICAN RIVIERA BANK**

WHEREAS, the Cachuma Operation and Maintenance Board maintains a separate checking account at American Riviera Bank (*formerly The Bank of Santa Barbara*) (Bank) for the payment of payroll and related items herein called the Revolving Fund, and

WHEREAS, the checks issued on the Revolving Fund require one authorized signature before the checks are honored by the Bank.

NOW, THEREFORE BE IT RESOLVED by the Board of Directors of the Cachuma Operation and Maintenance Board that the following persons are authorized signatories on said account:

President, Board of Directors

Vice-President, Board of Directors

General Manager/Secretary of the Board

Administrative Manager/CFO Auditor-Controller

This resolution supersedes Resolution No. 680 dated January 28, 2019, and all resolutions preceding it pertaining to authorized signatories for said account.

PASSED, APPROVED AND ADOPTED this 22nd day of July, 2019, by the following vote:

AYES:

NAYS:

ABSENT:

ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board

RESOLUTION NO. 695

**A RESOLUTION OF THE CACHUMA OPERATION AND MAINTENANCE BOARD
ESTABLISHING A POLICY FOR SIGNING CHECKS DRAWN ON THE
CACHUMA PROJECT TRUST FUND AND THE
CACHUMA MASTER CONTRACT RENEWAL FUND ACCOUNTS
FOR THE PAYMENT OF CLAIMS**

WHEREAS, the Cachuma Operation and Maintenance Board has established separate money market accounts at American Riviera Bank (*formerly The Bank of Santa Barbara*) (Bank) for the payment of bills and claims presented to the Board herein called the Cachuma Project Trust Fund and the Cachuma Master Contract Renewal Fund Account (Renewal Fund), and

WHEREAS, the checks issued on either money market account require two (2) authorized signatures before the checks are honored by the Bank; and

WHEREAS, the Board of Directors reviews and approves the payment of claims for all checks issued on the Cachuma Project Trust Fund and Renewal Fund accounts at the Board's monthly meeting,

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Cachuma Operation and Maintenance Board that the following policy be adopted:

All checks issued from the Cachuma Project Trust Fund and Renewal Fund accounts will require two (2) signatures of the following: General Manager, Administrative Manager and any member of the Board of Directors.

This Resolution supersedes Resolution No. 670 dated July 23, 2018 and all resolutions preceding it pertaining to establishing policy for signing checks drawn on the Cachuma Project Trust Fund and Renewal Fund accounts.

PASSED, APPROVED AND ADOPTED this 22nd day of July 2019, by the following vote:

AYES:
NAYS:
ABSENT:
ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board

RESOLUTION NO. 696

**A RESOLUTION OF THE
CACHUMA OPERATION AND MAINTENANCE BOARD AUTHORIZING
SIGNATORIES FOR THE CACHUMA PROJECT TRUST FUND AND THE
CACHUMA MASTER CONTRACT RENEWAL FUND ACCOUNTS AT
AMERICAN RIVIERA BANK**

WHEREAS, the Cachuma Operation and Maintenance Board (COMB) by Resolution No. 249 of January 27, 1997 assumed responsibility for managing the Cachuma Project Trust Fund and the Cachuma Master Contract Renewal Fund (Renewal Fund), and

WHEREAS, COMB has identified American Riviera Bank (*formerly The Bank of Santa Barbara*) (Bank) as the most favorable institution with which to establish these accounts; and

WHEREAS, the checks issued on the Renewal Fund and Cachuma Project Trust Fund require two (2) authorized signatures; and

WHEREAS, the Board of Directors reviews and approves the payment of claims for all checks issued on the Renewal Fund and Cachuma Project Trust Fund accounts at the Board's monthly meeting,

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Cachuma Operation and Maintenance Board that the following persons are authorized signatories on said accounts subject to those conditions as specified in Resolution No. 695 adopted by this Board on July 22, 2019.

President, Board of Directors

Vice-President, Board of Directors

Director

Director

General Manager/Secretary of the Board

Administrative Manager/Auditor-Controller

This resolution supersedes Resolution No. 681 dated January 28, 2019, and all resolutions preceding it pertaining to authorized signatories for said account.

PASSED, APPROVED AND ADOPTED this 22nd day of July 2019 by the following vote:

- AYES:**
- NAYS:**
- ABSENT:**
- ABSTAIN:**

APPROVED:

President of the Board

ATTEST:

Secretary of the Board

RESOLUTION NO. 697

**A RESOLUTION OF THE CACHUMA OPERATION AND
MAINTENANCE BOARD ESTABLISHING THE TIME AND
PLACE OF REGULAR BOARD MEETINGS**

WHEREAS, the Cachuma Operation and Maintenance Board (“COMB”) maintains its offices and mailing address at 3301 Laurel Canyon Road, Santa Barbara, CA 93105-2017.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of COMB that the following policy be adopted:

Unless otherwise noted, the regular meetings of the COMB Board of Directors shall be held each fourth Monday of the month, at 1:00 p.m., at the above address. If a Holiday falls on the fourth Monday of the month, the regular Board meeting will be held on the third Monday during such months. A list of the Regular Board meeting dates will be provided for each calendar year.

Special meetings of the COMB Board of Directors may be called at any time by the presiding officer or by a majority of the Directors, in accordance with the provisions of Government Code Section 54956.

This Resolution supersedes Resolution No. 672 dated July 23, 2018 and all resolutions preceding it pertaining to establishing a time and place for regular meetings of the COMB Board of Directors.

PASSED, APPROVED AND ADOPTED this 22nd day of July 2019, by the following roll call vote:

AYES:
NAYS:
ABSENT:
ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board



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."

July 22, 2019

General Manager Report

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

Administration

- **Staff Training**

On July 9th, Administrative Staff participated in an advanced webinar hosted by ACWA JPIA Risk Services. The topic was Encroachment Permits for Water Utilities and Best Practices. The webinar provided a better understanding of encroachment permits and the importance of appropriate risk transfer.

On July 17th, Administrative Staff participated in a webinar hosted by the Water Information Sharing and Analysis Center (WaterISAC). The topic was Introduction to Cybersecurity Assessment Process and is a three-part series in WaterISAC's series titled Conducting Risk Assessments under America's Water Infrastructure Act (AWIA). The webinar series will prepare a public utility to complete a cybersecurity assessment in accordance with AWWA J100 standard, the risk and resiliency assessment, and the emergency response plan requirements under AWIA. The first webinar provided an overview of operational technology and information technology threats and risks that impact process control and business systems. The next two webinars are scheduled in August and September.

Operations

- **Recent Seismic Activity**

Two earthquakes centered near Ridgecrest, California measuring 6.4 and 7.1 respectively on the Richter scale were felt along the South Coast in early July. COMB operations staff performed the required standard operating procedure safety inspections on all facilities including dams, outlet works, reservoirs, intake structures, South Coast Conduit conveyance alignment and appurtenant structures. No damage was detected and all facilities continued operating as usual. Staff will continue visual monitoring and has completed a secondary inspection two weeks following the events. Reclamation was provided written inspection reports for the incidents.

- **Public Safety Power Shutoff Plan**

During 2018, Operations Division staff developed an internal facilities public safety power shutoff plan which outlines impacts to COMB facilities and operational protocols to be implemented in the event a major utility provides notification that power supply will be disabled during an extreme weather event. COMB is listed as critical infrastructure with the power utilities in the area as well as Santa Barbara County Office of Emergency Services and Santa Barbara County Fire. Staff has made provisions to receive email and text alerts in the event of such an emergency.

(cont'd)

In anticipation of the upcoming summer months, COMB staff has replaced batteries in all (PLC) backup devices and tested the call out alarm system. Quinn Power Systems was on site recently and conducted the annual servicing and load bank testing of both backup generators. Both generators have been stocked with fuel and necessary items. As part of our normal operations program, field staff participates in heat and illness safety meetings prior to and during the warm summer months.

- **AWIA Risk and Resiliency Requirements**

In October 2018, America's Water Infrastructure Act (AWIA) was signed into law. The law requires drinking water utilities to develop a risk and resiliency assessment (RRA) and emergency response plan (ERP) and establishes deadlines by which certification to the EPA must occur. In addition, the act requires updates to emergency response plans every five years. Utilities serving more than 100,000 people must complete their RRAs and certify their completion to the U.S. Environmental Protection Agency (EPA) by March 31, 2020. Medium-sized and smaller utilities must certify their completion by later dates. Staff will be presenting this item to the Operations Committee in mid-August.

- **Fiscal Year 2019-20 Operations Work Plan**

The fiscal year 2019-20 internal work plan document outlining scheduled standard operating procedures/activities required by Reclamation and enhanced internally by COMB is currently being drafted by staff. The work plan describes required operational activities segregated into daily, weekly, monthly, quarterly, semi-annually and annual work requirements. Once completed, this document will be submitted to the Operations Committee for review prior to presentation to the Board.

Respectfully Submitted,

Janet Gingras
General Manager

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: July 22, 2019
TO: Janet Gingras, General Manager
FROM: Joel Degner, Water Resources Engineer
RE: MONTHLY ENGINEERING/OPERATIONS REPORT

The following summary provides the Board with information and an overview of progress by engineering staff related to on-going studies and infrastructure improvement projects.

CLIMATE CONDITIONS

The Santa Barbara County year to date rainfall is 128 percent of normal (as of July 15th, 2019). The inflow into Lake Cachuma has exceeded 105,000 AF in Water Year 2018-2019. A transition from El Niño to ENSO-neutral is expected this summer with ENSO-neutral most likely to continue through Northern Hemisphere fall and winter according to the National Weather Service Climate Prediction Center. The antecedent moisture index at Gibraltar Dam is 11.1 indicating dry soil conditions. Water exports from Lake Cachuma in June were approximately 40 percent lower than anticipated. This was due in part to the additional surface water supplies available in Gibraltar and Jameson reservoirs and cooler and cloudier than normal weather conditions. The reference evapotranspiration for Santa Barbara (CIMIS Station 107) was 3.12 inches in June, 37 percent lower than the normal June average (4.97 inches) (Figure 1). Pan evaporation measured at Lake Cachuma for June was also lower than normal (Figure 2).

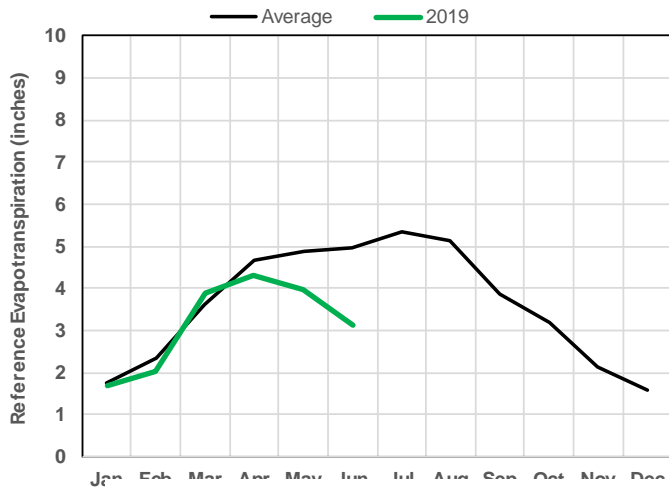


Figure 1. Santa Barbara CIMIS Station 107

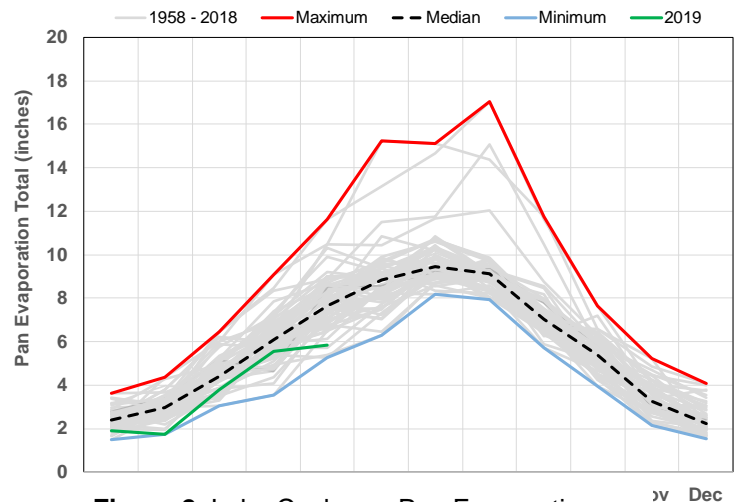


Figure 2. Lake Cachuma Pan Evaporation

LAKE WATER QUALITY AND SEDIMENT MANAGEMENT STUDY

Additional nutrient and algal sampling is continuing to be conducted by COMB staff in the summer months to fill in data gaps in the existing sampling program with advisement from Woodard & Curran consultants. The technical review team met in June to discuss the data trends and analyses with a focus on in-lake water quality. Woodard & Curran has completed Phase 1 of the study and is proceeding with Phase 2 of the study which will focus on developing water quality and sediment management solutions and a monitoring program.

SYCAMORE CANYON SLOPE STABILIZATION PROJECT

Construction began on the Sycamore Slope Stabilization Project in July. The conduit was exposed in the February 2017 storms on the steep hill slope. The project will protect the conduit by improving the drainage and stabilizing the slope. Construction activities included mobilization, potholing the conduit, initial grading activities, rock slope protection installation, and raising a blow-off structure. The conduit joint at Station 233+62 was successfully located and found to be in good condition. Work is expected to be completed by the end of September.

INFRASTRUCTURE IMPROVEMENT PLAN PROJECT STATUS

Table 1 provides a summary of the FY 2019-20 Infrastructure Improvement Projects. COMB staff continues to work on the infrastructure improvement plan update developing project descriptions and ranking criteria. This information will be presented to Member Agency staff in early August.

Table 1. Infrastructure Improvement Projects Status

Infrastructure Improvement Projects	Status / Phase	Complexity / Challenges	Estimated Completion Date
Infrastructure Improvement Projects			
Sycamore Canyon Slope Stabilization	Construction activities began in early July. Initial mobilization and site preparation have occurred. Caisson installation is scheduled to occur in early August.	February 2017 storms exposed the South Coast Conduit on a steep slope in the Sycamore Canyon area. Project designed to stabilize slope and improve drainage to protect the SCC.	End of September 2019
San Jose Creek SCC Stream Protection Measures	Background data collected for site and alternative analysis completed. Draft conceptual design rationale provided to COMB to review for selection of alternatives.	South Coast Conduit is exposed in San Jose Creek and requires stream protection measures to prevent damage and water supply disruption.	Draft design by August 2019 - Construction planned for Fall 2019
SCC Structure Rehabilitation (AVAR/BO)	Schedule D and E air vent and blowoff structures were reviewed by COMB staff. COMB staff is working with Schedule A/B/C contractor on quote for D/E based on previous bid.	Work in Montecito may require a line valve to facilitate shutdowns.	Schedule D and E planned for Winter 2019-2020.
SCC Line Valves for Shutdown	The isolation valve would be installed as part of the planned AVAR/BO work in the Montecito Area next winter. Draft engineering plans are nearing completion.	Additional line valves in the SCC could better facilitate planned maintenance activities.	Draft Design by August 2019. Construction planned for Winter 2019-20.
SCC Structure Rehabilitation : Lower Reach Laterals	The engineering work assessing the condition and existing design of each lateral turnout is on-going. All lateral structures were surveyed and a high resolution flight of the South Coast Conduit was conducted in collaboration with CVWD.	In order to facilitate shutdowns on the Lower Reach of the SCC, lateral valves may need replacement.	Construction planned for Spring 2019
Special Projects			
Emergency Pumping Facility Project	Key components barge are currently being stored under contract. Change Order 18 was completed to continue to store these components as part of the EPFP contract at one half the previous storage costs. The pipeline to reach Site 1 was floating in the lake and relocated to the high-level lake shoreline in April. Secured pipeline feasibility study completed in the end of June	With the increase in lake levels, the lake elevation is projected to remain above 685 until the Summer/Fall 2021.	TBD
Lake Cachuma Water Quality and Sediment Management Study	The 2nd Technical Review meeting occurred in mid-June to review issues characterization and trend assessment. Supplemental sampling for algae and nutrients is on-going this summer. Contractor was provided notice to proceed for Phase 2 of the study.	Recent wildfires and subsequent storm events have resulted in decreased water quality and increased sedimentation into Lake Cachuma.	June 2020

MONTHLY REPORT OF OPERATIONS – JUNE 2019

The total flow from Lake Cachuma into the Tecolote Tunnel for June was 1,258.6 acre-feet, for an average daily flow of 42 acre-feet. Lake elevation was 740.20 feet at the beginning of June and 739.70 feet at the end of June. Storage change decreased 1,360 acre-feet. CCWA wheeled 0 acre-feet of water to Cachuma Project facilities. The City of Santa Barbara wheeled 589 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was not operational in the month of June, due to issues with the intake pipeline. Water was delivered to Hilton Creek via dam outlet works through the emergency backup system, which prevents the delivery of CCWA water into the lake.

The Operations Division of the Cachuma Operation and Maintenance Board has the responsibility to operate, repair and maintain all Cachuma Project facilities from the Intake Tower at Lake Cachuma to the Carpinteria Reservoir. 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 of work. Operations Division is responsible for:

- Adequately regulating and maintaining the diversion of water from Lake Cachuma to the South Coast via the Tecolote Tunnel as the primary water source for 5 communities.
- Operation and maintenance of the South Coast Conduit pipeline, which consist of 26.5 miles of pipeline with a combined 124 blow off and air vent structures, 43 turnout structures and 20 meters.
- Operation and maintenance of four regulating reservoirs.

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

Routine operation and maintenance completed during the month of June were as follows:

- Conducted five flow changes at the North Portal during the month of June (all at surface)
- Performed annual structure maintenance on 13 structures in the lower reach
- Responded to 104 USA Dig alerts
- Reviewed six projects for right of way conflicts
- Performed weekly inspections of major facilities, safety meetings, rodent bait (all reservoirs), toe drain and piezometer reads at Ortega (L23)
- Performed dam inspection and instrumentation reports (all reservoirs)
- Performed equipment and yard maintenance
- Read anodes and rectifier data

In addition regular activities described above, Operations staff performed the following:

- Monitored the North Portal Culvert Repair Project by CalPortland. Large rip rap was placed to stabilize the road embankment downslope from the North Portal Access Road. This project was completed at the end of June.
- Monitored Hotline for power pole replacement near the South Coast Conduit.
- Assisted Emerson with quarterly meter calibrations and Otis with elevator maintenance.

- Performed two supplemental dam inspections following the major earthquakes in Ridgecrest, CA per Reclamation standard operating procedures.
- Met with member agency staff to discuss Emergency Procedures for Sycamore Canyon Slope Stabilization Project.
- Monitored Hanly General Engineering Corporation for the Sycamore Canyon Slope Stabilization project.
- Assisted with supplemental nutrient and algal sampling for the Lake Cachuma Water Quality and Sediment Management Study.

Lower Reach Structure Maintenance



Structure maintenance and valve exercising at Blowoff 27+80

North Portal Access Road Repair



Rock slope protection installed below culverts on North Portal Access Road

Sycamore Canyon Slope Stabilization Project



*Potholed top of grout band at joint to confirm South Coast Conduit location.
Pipe joint in good condition.*



Blowoff structure 233+05 raised and existing access road graded to prepare for caisson drilling

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CACHUMA OPERATION AND MAINTENANCE BOARD

BOARD MEMORANDUM

DATE: July 22, 2019
TO: Janet Gingras, General Manager
FROM: Tim Robinson, Fisheries Division Manager
RE: MONTHLY FISHERIES DIVISION REPORT

HIGHLIGHTS:

- USBR continues to deliver approximately 2.9 cfs of Lake Cachuma water to Hilton Creek by gravity through the Hilton Creek Emergency Backup System (HCEBS) which is sustaining the *O. mykiss* population in the creek.
- USBR continues to work on the Hilton Creek Watering System (HCWS). Needed repairs to the system have been identified with no specific date determined for implementation.

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 COMB Fisheries Division (FD) staff 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 COMB-FD staff since the last COMB Board Fisheries Division Report and has been broken out by categories.

LSYR Steelhead Monitoring Elements:

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

Lake Profiles: Lake Cachuma water quality measurements (temperature, dissolved oxygen concentration 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 and are reported in the Annual Monitoring Summary.

Snorkel surveys: Snorkel surveys for *O. mykiss* and non-native fish are conducted three times a year. The first survey at the end of the spring is near completed. The results are presented in the annual monitoring report.

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.

Tributary Project Updates:

Quiota Creek Crossing 8: Funding for this project has been secured through a CDFW-FRGP grant that was submitted on 3/29/18 for \$1,010,700 with a \$50,000 construction match from COMB as approved by the COMB Board during the 2/26/18 Board meeting. COMB was awarded this grant on 12/5/18 and the Board accepted the grant by resolution on 1/28/19. Staff has submitted all permit applications and designs for review by the County and NMFS-CDFW. Project construction is tentatively scheduled for this fall pending final design approval and obtaining all necessary flood certifications.

Hilton Creek Watering System (HCWS) and Emergency Backup System (HCEBS) Repairs:

HCWS and HCEBS: The HCWS and HCEBS are owned, operated, and maintained by USBR. The HCEBS was completed at the end of January 2016. USBR technical staff has visited the HCWS once on 6/25/19 since the last Fisheries Report to the Board. During that site visit, USBR staff attempted to close a slide gate valve just up slope of the Upper Release Point (URP) bifurcation and then turned on the pumps. That valve had not been operated for many years and they were unsuccessful in fully closing the slide gate. The objective was to put water into the delivery pipe in the lake in hopes of sinking it to its design elevation below the water surface. It momentarily receded, but only slightly below the surface of the water. Once the pumps were turned off, the pipeline rose to its pre-operational level, above the water surface. Further tests to sink the pipe were discussed and no date has been set for the next operational testing. The electrical panel on the pumping barge has not been replaced, however, the pumps can be operated from the onshore panel.

Currently USBR is delivering water to Hilton Creek through the HCEBS by gravity flow to the Upper Release Point.

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 USBR'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 USBR 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, 8/21/17 - 11/8/17, and 8/6/18 - 9/12/18. 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. All of the Fish Passage Supplementation Account (FPSA) has been used as explained in previous reports.

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	3,307	-107
Adaptive Management	500	149	351
Fish Rearing***	5,484	5,484	0
Project Yield		16,832	
Total:	9,184	25,772	244
* Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013.			
** Values as of 6/30/19.			
*** 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 (the USBR report) and the Annual Monitoring Summaries (the COMB report) as well as any other BiOp compliance measure as requested by USBR.

Outreach and Training: Outreach continues 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. Staff attended the ESRI Users Conference in San Diego and presented the Lake Cachuma sedimentation presentation and a poster on the Oak Tree Program; both were well received.

Consultant Activity Summary:

HDR Fisheries Design Center (Mike Garelo) – Design and reporting work for the Quiota Creek Crossing 8 Project.

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	July 22, 2019
Submitted by:	Tim Robinson and Scott Volan
Approved by:	Janet Gingras

SUBJECT: Progress Report on the Lake Cachuma Oak Tree Restoration Program

RECOMMENDATION:

For Board information only.

SUMMARY:

Maintenance

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since January, 2019 to the present (1/1/19 – 7/22/19, Table 1). Labor and expenses for the entire fiscal year (July 2018 - June 2019) 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 set the mitigation number for the program. The 2017 Annual Inventory and Fiscal Year 2017-2018 Financial Report has been reviewed and approved by the Lake Cachuma Oak Tree Committee on 8/1/18 with suggested recommendations for the upcoming fiscal year. A Committee meeting will be scheduled shortly after the July Board meeting to review the annual inventory, financials, and recommendations for the year.

Table 1: Cachuma Oak Tree Program completed tasks since July, 2018.

	Jan 2019 ¹	Feb 2019 ¹	Mar 2019 ²	April 2019	May 2019	June 2019
Year 10 Oaks (2018-2019)	Planted			Irrigated Weeded		Irrigated Weeded
Year 9 Oaks (2016-2017)				Weeded Deer Cages	Irrigated Weeded	Irrigated Weeded
Year 8 Oaks (2015-2016)				Weeded Deer Cages	Irrigated Weeded	Irrigated Weeded Mowed
Year 7 Oaks (2014-2015)					Irrigated Weeded	Irrigated Weeded Mowed
Year 6 Oaks (2010-2011)						
Year 5 Oaks (2009-2010)						
Year 4 Oaks (2008-2009)					Deer Cages	
Year 3 Oaks (2007-2008)					Deer Cages	
Year 2 Oaks (2006-2007)						
Year 1 Oaks (2005-2006)						
¹ Oak tree inventory (Year 1-9).						
² Oak tree inventory (Year 10).						

The irrigation season is now in full swing. Staff has been focused on irrigating and weeding Year 7, Year 8, Year 9, and Year 10 trees at Bradbury Dam, the Santa Barbara County Park, and Storke Flat. Crews are hand weeding inside of the cages during irrigation. Two irrigation teams are utilized whenever possible to cover more ground as quickly as possible throughout the dry season.

The COMB Operations crew has been assisting the Fisheries Division staff in mowing and grading the oak tree access roads within the planting areas around Bradbury Dam and within Storke Flat as time permits. This is done on an annual basis as a fire safety precaution to prevent weeds from coming into contact with the undercarriage of vehicles while servicing the oak trees.

LIST OF EXHIBITS:

N/A

CACHUMA OPERATION AND MAINTENANCE BOARD
METERED USE REPORT FOR JUNE 2019

LATERAL/ STATION	NAME	ACRE FEET METERED	LATERAL/ STATION	NAME	ACRE FEET METERED
CARPINTERIA WATER DISTRICT			GOLETA WATER DISTRICT		
Boundary Meter - East		289.82	18+62	G. WEST	113.10
Boundary Meter - West		(0.03)	78+00	Corona Del Mar FILTER Plant	776.03
			122+20	STOW RANCH	0.00
				Raytheon (SWP) (Warren Act Contract)	0.00
				Morehart (SWP) (Warren Act Contract)	0.00
				SWP CREDIT (Warren Act Contract)	0.00
			TOTAL		889.14
			MONTECITO WATER DISTRICT		
			260+79	BARKER PASS	58.83
			386+65	MWD YARD	63.47
			487+07	VALLEY CLUB	0.00
			499+65	E. VALLEY-ROMERO PUMP	4.82
			510+95	MWD PUMP (SWD)	13.52
			510+95	ORTEGA CONTROL	5.70
			526+43	ASEGRA RD	5.38
			555+80	CO. YARD	0.00
			583+00	LAMBERT RD	0.00
			599+27	TORO CANYON	0.92
				SWP CREDIT (Warren Act Contract)	(132.22)
			TOTAL		20.42
			CITY OF SANTA BARBARA		
			CATER	INFLOW	1096.10
			Gibraltar	PENSTOCK	(589.44)
			CATER	SO. FLOW	(585.73)
			Sheffield	SHEF.LIFT	121.66
				SWP (Warren Act)	0.00
				La Cumbre Mutual SWP (Warren Act)	(7.09)
			TOTAL		35.50
			SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, ID#1		
				COUNTY PARK, ETC	2.10
			TOTAL		2.10
			BREAKDOWN OF DELIVERIES BY TYPE:		
				STATE WATER DELIVERED TO LAKE	0.00
				STATE WATER TO SOUTH COAST (including from storage)	(139.31)
			METERED DIVERSION		1,236.95
SWP CREDIT (Warren Act Contract)		0.00			
TOTAL		289.79			
Note:	Meter reads were taken on: 7/1/2019				

WATER YEAR 18-19 CACHUMA PROJECT ALLOCATION

**CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF JUNE 2019 AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾**

(All in rounded Acre Feet)

CACHUMA PROJECT		
WATER PRODUCTION:	MONTH	WYTD
Cachuma Lake (Tec. Diversion)	1,294.4	8,098.7
Tecolote Tunnel Infiltration	46.2	725.3
Cachuma Lake (County Park)	2.1	14.7
Subtotal - Water Production	1,342.8	8,838.7
WATER DELIVERIES:		
State Water Diversion	139.3	5,033.8
Cachuma Diversion	1,237.0	3,817.1
Storage gain/(loss)	(39.0)	(29.6)
Subtotal - Water Deliveries	1,337.3	8,821.3
Total Water Production	1,342.8	8,838.7
Total Water Deliveries	1,337.3	8,821.3
Difference = Apparent Water Loss	5.5	17.4
% Apparent Water Loss	0.41%	0.20%

SCC APPARENT WATER LOSS ALLOCATION (AWL) ⁽⁴⁾

	GWD	SB CITY	MWD	CVWD	TOTAL
CURRENT MONTH CHARGE / (ADJUSTMENT) ⁽³⁾					
M&I	0.0	0.0	0.0	0.0	0.0
Agriculture	0.0	0.0	0.0	0.0	0.0
Subtotal Cachuma Project	0.0	0.0	0.0	0.0	0.0
(+) State Water Project	0.0	0.0	0.0	0.0	0.0
Total Current Month	0.0	0.0	0.0	0.0	0.0
WATER YEAR-TO-DATE CHARGE / (ADJUSTMENT)					
M&I	(0.2)	(2.1)	0.0	0.0	(2.3)
Agriculture	(0.0)	0.0	0.0	0.0	(0.0)
Subtotal Cachuma Project	(0.3)	(2.1)	0.0	0.0	(2.3)
(+) State Water Project	0.7	3.3	1.3	(0.8)	4.5
Total AWL Charged (WYTD) ⁽³⁾	0.4	1.2	1.3	(0.8)	2.1
Total AWL Not Charged (WYTD) ⁽³⁾					15.2
Total AWL Incurred (WYTD)					17.4

CACHUMA PROJECT WATER CHARGE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
CURRENT MONTH						
Water Usage						
M&I	711.3	35.5	18.5	150.1	2.1	917.6
Agricultural	177.8	0.0	1.9	139.7	N/A	319.4
Subtotal Project Water Use	889.1	35.5	20.4	289.8	2.1	1,236.9
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss ⁽⁴⁾	14.9	66.2	17.9	6.2	0.3	105.3
Total Project Water Charge	904.0	101.7	38.3	296.0	2.4	1,342.3
WATER YEAR-TO-DATE						
Water Usage						
M&I	2,067.0	404.8	18.5	392.0	14.7	2,897.2
Agricultural	527.7	0.0	1.9	390.0	N/A	919.6
Subtotal Project Water Use	2,594.8	404.8	20.4	782.0	14.7	3,816.8
(+) Apparent Water Loss	(0.3)	(2.1)	0.0	0.0	N/A	(2.3)
(+) Evaporative Loss ⁽⁴⁾	175.0	435.2	115.9	67.2	2.1	795.4
Total Project Water Charge (*)	2,769.5	838.0	136.4	849.2	16.8	4,609.9

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

WATER YEAR 18-19 CACHUMA PROJECT ALLOCATION

**CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF JUNE 2019 AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾**

(All in rounded Acre Feet)

CACHUMA PROJECT WATER BALANCE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
Project Water Carryover - 10/1/2018	3,771.3	7,264.2	1,864.1	1,305.2	40.4	14,245.2
Transfers/Adjustment	0.0	0.0	0.0	0.0	0.0	0.0
(-) Project Water Charge (WYTD)	2,769.5	838.0	136.4	849.2	16.8	4,609.9
Balance Carryover Water	1,001.8	6,426.2	1,727.7	456.0	23.6	9,635.3
Current Year Allocation ⁽⁵⁾	9,322.0	8,277.0	2,651.0	2,813.0	2,651.0	25,714.0
(-) Balance of Project Water Charge (WYTD)	0.0	0.0	0.0	0.0	0.0	0.0
Net Allocation Available Before Adjustments	9,322.0	8,277.0	2,651.0	2,813.0	2,651.0	25,714.0
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 ⁽⁶⁾	257.0	171.0	170.0	114.0	(712.0)	0.0
Transfers/Adjustment ^{(7),(8)}	100.0	(157.0)	0.0	0.0	0.0	(57.0)
Transfers/Adjustment ⁽¹⁰⁾	0.0	(82.0)	0.0	0.0	0.0	(82.0)
Balance Current Year Allocation	9,679.0	8,209.0	2,821.0	2,927.0	1,939.0	25,575.0
Total Cachuma Project Water Available	10,680.8	14,635.2	4,548.7	3,383.0	1,962.6	35,210.3

Footnotes

- (1) Water Year = October 1 through September 30; WYTD = Water Year to Date
- (2) Includes Lauro and Ortega Reservoirs only.
- (3) Based on correspondence from Michael Jackson, dated 09/15/17, which revised the approach to the assessment for unaccounted-for water loss based on lake conditions
- (4) Per USBR, evaporation is applied to Cachuma Carryover and SWP water through standard contract formula effective April 1, 2017.
- (5) Per USBR, 20% initial allocation to Member Agencies, effective 10/1/18. In March 2019, USBR increased the allocation to 100% (25,714 acre feet) available water supply for the remaining contract year which ends on September 30, 2019.
- (6) Per SWP Exchange Agrmt GWD received 134 AF; City of SB received 89 AF; MWD received 89 AF and CVWD received 60 AF from ID#1 in June 2019.
- (7) Transfer per Contract for Exchange Water with Thomas B. Bishop Company and GWD (100 AF) - April 2019
- (8) Transfer per Santa Ynez Exchange Agreement with City of SB and La Cumbre Mutual Water Agency (75 AF) in June 2019.
- (9) Memo only - State Water Deliveries to Lake Cachuma for June 2019 was zero.
- (10) Adjustment to the City of Santa Barbara for April (39 AF) and May (43 AF) La Cumbre Exchange, credit given in error - June 2019

CACHUMA OPERATION AND MAINTENANCE BOARD
WATER STORAGE REPORT

MONTH: **JUNE 2019**

GLEN ANNIE RESERVOIR ⁽¹⁾

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	541.70	Feet
Water in Storage	369.99	AF

ORTEGA RESERVOIR

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	449.70	Feet
Water in Storage	28.30	AF

CARPINTERIA RESERVOIR

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	375.60	Feet
Water in Storage	24.81	AF

TOTAL STORAGE IN RESERVOIRS ⁽¹⁾

Change in Storage	423.10	AF
	(38.78)	AF

CACHUMA RESERVOIR

Capacity at 750' elevation:	184,121	AF
Capacity at sill of tunnel 660' elevation:	24,281	AF
Stage of Reservoir Elevation	739.69	Feet
Water in Storage	154,934	AF
Surface Area	2,649	
Evaporation	1,336.3	AF
Inflow	1,670.0	AF
Downstream Release WR8918	0.0	AF
Fish Release (Hilton Creek)	185.1	AF
Outlet	239.1	AF
Spill/Seismic Release	0	AF
State Water Project Water	0	AF
Change in Storage	-1,387	AF
Tecolote Diversion	1,294.4	AF

Rainfall:	Month:	0.00	Season:	23.78	Percent of Normal:	120%
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(1) The Glen Annie Reservoir is currently offline and is excluded from the Total Storage in Reservoirs amount.

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

Contract Year: 10/1/18 to: 9/30/19

Contract Entity: **Goleta Water District**
 Last updated by C.O.M.B. 06/30/19

Month	CARRYOVER WATER		CURRENT YEAR ALLOCATION										
	Carryover Balance Prior Yr	Approved Allocation Curr Yr	TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED		Total	
			Acre-feet			Evap	Used	Total	Allocation		Allocation		
			M & I	Agr	Total				M & I	Agr	M & I		Agr
Oct	3,771.3	1,864.0	276.5	78.0	354.5	44.7	354.5	399.2	311.4	87.8	0.0	0.0	0.0
Nov			293.6	87.7	381.4	29.7	381.4	411.1	316.5	94.5	0.0	0.0	0.0
Dec			0.0	12.4	12.4	13.6	12.4	26.0	0.0	26.0	0.0	0.0	0.0
Jan			0.0	9.8	9.8	11.7	9.8	21.5	0.0	21.5	0.0	0.0	0.0
Feb			0.0	3.8	3.8	8.2	3.8	12.1	0.0	12.1	0.0	0.0	0.0
Mar		7,458.0	0.0	6.2	6.2	14.8	6.2	21.0	0.0	21.0	0.0	0.0	0.0
Apr			379.5	56.7	436.2	20.0	436.2	456.3	397.0	59.3	0.0	0.0	0.0
May			405.8	95.2	501.0	17.4	501.0	518.3	419.8	98.5	0.0	0.0	0.0
Jun			711.3	177.8	889.1	14.9	889.1	904.0	723.2	180.8	0.0	0.0	0.0
Jul			-	-	-	-	-	-	-	-	-	-	-
Aug			-	-	-	-	-	-	-	-	-	-	-
Sep			-	-	-	-	-	-	-	-	-	-	-
Total	3,771.3	9,322.0	2,066.8	527.7	2,594.5	175.0	2,594.5	2,769.5	2,168.0	601.6	0.0	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	3,771.3	2,518.4	1,252.9	1,254.0	610.0	1,864.0
Mid-Year Allocation				5,017.3	2,440.7	7,458.0
Bishop Ranch Exch (+100AF) + ID# 1 Exch (+59AF)				135.5	23.5	159.0
ID# 1 Exch (+64AF)				36.5	27.5	64.0
ID# 1 Exch (+134AF)				64.3	69.7	134.0
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	3,372.1	2,207.0	1,165.1	1,254.0	610.0	1,864.0
Nov	2,961.0	1,890.5	1,070.5	1,254.0	610.0	1,864.0
Dec	2,935.0	1,890.5	1,044.5	1,254.0	610.0	1,864.0
Jan	2,913.4	1,890.5	1,023.0	1,254.0	610.0	1,864.0
Feb	2,901.3	1,890.5	1,010.9	1,254.0	610.0	1,864.0
Mar	2,880.4	1,890.5	989.9	6,271.3	3,050.7	9,322.0
Apr	2,424.1	1,493.5	930.6	6,406.8	3,074.2	9,481.0
May	1,905.8	1,073.6	832.1	6,443.3	3,101.7	9,545.0
Jun	1,001.8	350.4	651.3	6,507.6	3,171.4	9,679.0
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 10,680.8

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

Contract Year: 10/1/18 to: 9/30/19

Contract Entity: **City of Santa Barbara**
 Last updated by C.O.M.B. 06/30/19

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	7,264.2	1,655.5
Nov		
Dec		
Jan		
Feb		
Mar		6,621.5
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Total	7,264.2	8,277.0

TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED				
Acre-feet			Allocation			Allocation				
M & I	Agr	Total	Evap	Used	Total	M & I	----	M & I	----	Total
93.3	0.0	93.3	89.8	93.3	183.1	183.1	0.0	0.0	0.0	0.0
235.3	0.0	235.3	65.1	235.3	300.4	300.4	0.0	0.0	0.0	0.0
0.0	0.0	0.0	31.2	0.0	31.2	31.2	0.0	0.0	0.0	0.0
0.0	0.0	0.0	27.0	0.0	27.0	27.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	19.0	0.0	19.0	19.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	34.1	0.0	34.1	34.1	0.0	0.0	0.0	0.0
26.5	0.0	26.5	50.1	26.5	76.6	76.6	0.0	0.0	0.0	0.0
12.2	0.0	12.2	52.6	12.2	64.8	64.8	0.0	0.0	0.0	0.0
35.5	0.0	35.5	66.2	35.5	101.7	101.7	0.0	0.0	0.0	0.0
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
402.8	-	402.8	435.2	402.8	838.0	838.0	-	-	-	-

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

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

SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
Allocation			Allocation		
Total	M & I	----	M & I	----	Total
Begin Bal	7,264.2		1,655.5		1,655.5
					-
					-
					-
					-
Mid-Year Allocation			6,621.5		6,621.5
LCMWD Trsfr (-39AF) + ID# 1 Exch (+39AF)			-		-
LCMWD Trsfr (-43AF) + ID# 1 Exch (+43AF)			-		-
LCMWD Trsfr (-75AF) + ID# 1 Exch (+89AF) + Apr/May corr. (-82 AF)			(68.0)		(68.0)
					-
					-

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

BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
Allocation			Allocation		
Total	M & I	----	M & I	----	Total
7,081.1	7,081.1	-	1,655.5		1,655.5
6,780.7	6,780.7	-	1,655.5		1,655.5
6,749.5	6,749.5	-	1,655.5		1,655.5
6,722.5	6,722.5	-	1,655.5		1,655.5
6,703.4	6,703.4	-	1,655.5		1,655.5
6,669.3	6,669.3	-	8,277.0		8,277.0
6,592.7	6,592.7	-	8,277.0		8,277.0
6,527.9	6,527.9	-	8,277.0		8,277.0
6,426.2	6,426.2	-	8,209.0		8,209.0

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 14,635.2

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

Contract Year: 10/1/18 to: 9/30/19

Contract Entity: **Carpinteria Valley Water District**
 Last updated by C.O.M.B. 06/30/19

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	1,305.2	563.0
Nov		
Dec		
Jan		
Feb		
Mar		2,250.0
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Total	1,305.2	2,813.0

TOTAL WATER CHARGED			WATER USE CHARGED			WATER USE CHARGED		
Acre-feet						Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	Total
0.0	0.0	0.0	16.2	0.0	16.2	7.4	8.8	0.0
0.0	0.0	0.0	12.0	0.0	12.0	5.5	6.5	0.0
0.0	0.0	0.0	5.9	0.0	5.9	2.7	3.2	0.0
0.0	0.0	0.0	5.1	0.0	5.1	2.3	2.8	0.0
0.0	0.0	0.0	3.6	0.0	3.6	1.6	1.9	0.0
0.0	0.0	0.0	2.4	0.0	2.4	1.1	1.3	0.0
107.6	120.2	227.8	8.6	227.8	236.5	111.7	124.8	0.0
134.3	130.1	264.4	7.1	264.4	271.5	137.9	133.6	0.0
150.1	139.7	289.8	6.2	289.8	296.0	153.3	142.6	0.0
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
392.0	390.0	782.0	67.2	782.0	849.2	423.6	425.5	-

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

SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
Month	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	1,305.2	597.3	707.9	258.5	304.5	563.0
Mid-Year Allocation				1,033.1	1,216.9	2,250.0
ID# 1 Exch (+26AF)				15.6	10.4	26.0
ID# 1 Exch (+28AF)				16.0	12.0	28.0
ID# 1 Exch (+60AF)				28.8	31.2	60.0
						-
						-
						-

BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
Month	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	1,289.0	589.9	699.1	258.5	304.5	563.0
Nov	1,276.9	584.4	692.6	258.5	304.5	563.0
Dec	1,271.0	581.7	689.4	258.5	304.5	563.0
Jan	1,265.9	579.3	686.6	258.5	304.5	563.0
Feb	1,262.4	577.7	684.7	258.5	304.5	563.0
Mar	1,259.9	576.6	683.4	1,291.6	1,521.4	2,813.0
Apr	1,023.5	464.9	558.6	1,307.2	1,531.8	2,839.0
May	752.0	327.0	425.0	1,323.2	1,543.8	2,867.0
Jun	456.0	173.7	282.4	1,352.0	1,575.0	2,927.0
Jul						
Aug						
Sep						

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 3,383.0

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

Contract Year: 10/1/18 to: 9/30/19

Contract Entity: **Santa Barbara Co. Water Agency**
 Last updated by C.O.M.B. 06/30/19

Month	CARRYOVER WATER		CURRENT YEAR ALLOCATION											
	Carryover Balance Prior Yr	Approved Allocation Curr Yr	TOTAL WATER USED				WATER USE CHARGED					WATER USE CHARGED		Total
			Use %	M & I	Agr	Total	Evap	Div	Total	M & I	Agr	M & I	Agr	
Oct	14,245.2	5,142.5	0.0	372.1	78.0	450.1	174.5	450.1	624.5	523.0	101.5	0.0	0.0	0.0
Nov			0.0	530.9	87.7	618.7	124.4	618.7	743.0	638.3	104.7	0.0	0.0	0.0
Dec			0.0	1.3	12.4	13.7	59.3	13.7	73.0	42.0	31.0	0.0	0.0	0.0
Jan			0.0	0.9	9.8	10.6	51.3	10.6	61.9	36.1	25.8	0.0	0.0	0.0
Feb			0.0	1.5	3.8	5.4	36.1	5.4	41.4	26.3	15.1	0.0	0.0	0.0
Mar		20,571.5	0.0	0.9	6.2	7.2	60.6	7.2	67.8	43.6	24.2	0.0	0.0	0.0
Apr			0.0	515.5	176.9	692.4	92.5	692.4	784.9	598.0	186.9	0.0	0.0	0.0
May			0.0	554.2	225.3	779.5	91.5	779.5	870.9	635.9	235.0	0.0	0.0	0.0
Jun			0.1	917.6	319.4	1,236.9	105.3	1,236.9	1,342.3	1,015.3	327.0	0.0	0.0	0.0
Jul			-	-	-	-	-	-	-	-	-	-	-	-
Aug			-	-	-	-	-	-	-	-	-	-	-	-
Sep			-	-	-	-	-	-	-	-	-	-	-	-
Total	14,245.2	25,714.0	0.2	2,894.9	919.6	3,814.4	795.4	3,814.4	4,609.9	3,558.6	1,051.3	0.0	0.0	0.0

Month	CONVERSIONS (M&I AND AG)			
	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	14,245.2	11,893.3	2,351.9	3,836.0	1,306.5	5,142.5
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mid-Year Allocation	-	-	-	15,345.1	5,226.4	20,571.5
Apr	-	-	-	76.6	(15.6)	61.0
May	-	-	-	(24.5)	(18.5)	(43.00)
Jun	-	-	-	(110.7)	(46.3)	(157.0)
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	County Parks Usage (AF)	Allocation		Allocation		Total	
		M & I	Agr	M & I	Agr		
Oct	2.3	13,620.7	11,370.3	2,250.4	3,836.0	1,306.5	5,142.5
Nov	2.0	12,877.6	10,731.9	2,145.7	3,836.0	1,306.5	5,142.5
Dec	1.3	12,804.6	10,689.9	2,114.7	3,836.0	1,306.5	5,142.5
Jan	0.9	12,742.7	10,653.8	2,088.9	3,836.0	1,306.5	5,142.5
Feb	1.5	12,701.3	10,627.4	2,073.8	3,836.0	1,306.5	5,142.5
Mar	0.9	12,633.5	10,583.9	2,049.6	19,181.1	6,532.9	25,714.0
Apr	1.9	11,848.5	9,985.9	1,862.7	19,257.7	6,517.3	25,775.0
May	1.9	10,977.6	9,350.0	1,627.6	19,233.2	6,498.8	25,732.0
Jun	2.1	9,635.3	8,334.7	1,300.6	19,122.4	6,452.6	25,575.0
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 35,210.3

CACHUMA DAILY OPERATIONS

Month & Year: July 2019
 Time of Observations: 0830 Evaporation Pan Factor: 81%

Day	Beginning Storage: 154,961			Surface Area	Rainfall		Evaporation		CCWA Inflow	Releases					Computed Inflow	
	Elevation	Storage	Change		inches	acre-feet	inches	acre-feet		Park Diversion	South Coast	Hilton Creek	WR 89-18	Outlet		Spillway
	ft	acre-feet	acre-feet	acres	inches	acre-feet	inches	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet
1	739.69	154,934	(27)	2,649	-		0.350	62.6	-		35.8	6.0		7.7		85.1
2	739.65	154,828	(106)	2,647	-		0.280	50.0	-		56.3	6.0		7.6		14.0
3	739.62	154,748	(80)	2,646	-		0.290	51.8	-		68.5	6.0		7.6		53.9
4	739.57	154,616	(132)	2,644	-		0.280	50.0	-		66.6	6.0		7.7		(1.7)
5	739.52	154,485	(131)	2,643	-		0.260	46.4	-		66.6	6.0		7.6		(4.5)
6	739.49	154,406	(79)	2,642	-		0.250	44.6	-		53.8	6.0		7.6		32.9
7	739.45	154,301	(105)	2,640	-		0.260	46.3	-		45.0	6.0		7.6		(0.1)
8	739.42	154,222	(79)	2,639	-		0.230	41.0	-		42.1	6.0		7.8		17.9
9	739.38	154,116	(106)	2,638	-		0.200	35.6	-		43.2	6.0		8.6		(12.6)
10	739.35	154,037	(79)	2,637	-		0.270	48.1	-		44.1	6.0		7.7		26.9
11	739.32	153,959	(78)	2,636	-		0.260	46.3	-		44.2	6.0		7.7		26.2
12	739.28	153,853	(106)	2,634	-		0.290	51.6	-		44.5	6.0		7.6		3.6
13	739.25	153,774	(79)	2,633	-		0.350	62.2	-		43.4	6.0		7.7		40.2
14	739.22	153,695	(79)	2,632	-		0.300	53.3	-		43.9	6.0		7.6		31.8
15	739.18	153,590	(105)	2,631	-		0.320	56.8	-		43.2	5.9		7.8		8.7
16	739.13	153,459	(131)	2,629	-		0.360	63.9	-		59.4	6.0		7.7		6.0
17	739.08	153,301	(158)	2,627	-		0.260	46.1	-		79.4	6.0		7.6		(19.0)
18																
19																
20																
21																
22																
23																
24																
25																
26																
27																
28																
29																
30																
31																

TOTALS			(1,660)		-	-	4.810	856.4	-	-	-	880.0	101.7	-	131.2	-	309.4
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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: JUNE 2019**

Cachuma Lake Recreation Area Launch Data -- June 2019		
Inspection Data		
Total Vessels entering Park	535	
Total Vessels launched	514	
Total Vessels Quarantined	21	
Returning with Boat Launch Tag	334	65%
New: Removed from Quarantine		
Kayak/Canoe: Inspected, launched	180	35%
4-stroke Engines		
2-strokes, w/CARB star ratings		
2-strokes, NO emissions ratings		
Quarantine Data		
Total Vessels Quarantined	21	
Quarantined 7 days	*	
Quarantined 14 days	*	
Quarantined 30 days	21	
Quarantine Cause		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	5	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	21	
Demographic Data		
Quarantined from infected county	5	
Quarantined from SB County	15	
Quarantined from uninfected co	1	

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

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

* These conditions are no longer being tracked.

EARLY DETECTION MONITORING PROGRAM SUMMARY

Summary: No Dreissenid mussels were detected
 Inspection Site: Cachuma Lake, Santa Barbara County, California
 Inspection Date and Time: 2019.06.27; 10:00 a.m. to 12:00 p.m. PDT
 Method: 4 PVC/Cement Sampling Stations; 56 linear feet of line
 Surveyors: SBCO Parks Employees
 Lake elevation: Max feet: 753.00, current 739.77; Max acre-feet: 193,305, current: 155,148;
 Current capacity: 80.3%