

**MONTEREY COUNTY WATER RESOURCES AGENCY
BOARD OF DIRECTORS
RESERVOIR OPERATIONS ADVISORY COMMITTEE**

COMMITTEE MEMBERS

Richard Ortiz, Chair
Ken Ekelund
John Baillie
Matthew Simis
Benny Jefferson
Jon Anthony

Eric Morgan
Bill Lipe
Nathan Merkle
Jill Ogren
Don Bullard
Kevin Piearcy

TIME: 1:30 p.m.
DATE: Thursday, August 29, 2019
PLACE: Monterey County Water Resources Agency
Saffron Conference Room
1441 Schilling Place
Salinas, CA 93901

AGENDA

1. **Call to Order**
2. **Public Comment**
(Limited to three (3) minutes per speaker on matters within the jurisdiction of the Agency not listed on this agenda. The public will have the opportunity to ask questions and make statements on agenda items as the Committee considers them.)
3. **Approve the Minutes of the Reservoir Operations Advisory Committee Meeting held on July 25, 2019**
The Committee will consider approval of the minutes of the above-mentioned meeting (Attachment 1).
4. **Receive report on Resident Vessel Program concept for San Antonio Reservoir and provide input**
Brett Fulgoni from the Monterey County Resource Management Agency will lead a discussion regarding the concept of a Resident Vessel Program at San Antonio Reservoir.
5. **Review a report on the Agency Owner's Dam Safety Program Audit and dams condition**
Staff will present a verbal report.

6. **Review the status of both reservoirs and current releases**
Staff will present a summary of current conditions at both reservoirs, provide a synopsis of release changes that have occurred since the last meeting (Attachments 2, 2a, and 3).
7. **Review the release schedule for 2019**
Staff will review the release schedule for 2019 (Attachment 4).
8. **Overview of the water rights held by the Agency for the waters of the Nacimiento and San Antonio rivers**
Staff will present a verbal report.
9. **Report regarding Operations and Maintenance activities at the Reservoirs**
Staff will present a verbal report discussing the Operations and Maintenance activities at both reservoirs over the last month.
10. **Report regarding Interlake Tunnel Project**
Staff will present a verbal report discussing activities related to the Interlake Tunnel Project.
11. **Status reports on:**
 - A. **Lake Recreation by Concessionaire and Parks Department**
 - B. **Easements and Agency Leases**
 - C. **Quagga / Zebra Mussel Plan**
 - D. **Cloud Seeding**
 - E. **San Luis Obispo County Activities**
 - F. **National Marine Fisheries Service**
 - G. **Salinas River Stream Maintenance Program**
12. **Set next meeting date and discuss future Agenda items**
The Committee will discuss and determine details for its next meeting.
13. **Adjournment**

**MONTEREY COUNTY WATER RESOURCES AGENCY
BOARD OF DIRECTORS
RESERVOIR OPERATIONS ADVISORY COMMITTEE**

COMMITTEE MEMBERS

Richard Ortiz, Chair
Ken Ekelund
John Baillie
Matthew Simis
Benny Jefferson
Jon Anthony

Eric Morgan
Bill Lipe
Nathan Merkle
Ron Munds
Don Bullard
Kevin Piearcy

TIME: 1:30 p.m.
DATE: Thursday, July 25, 2019
PLACE: 1441 Schilling Place, Saffron Room
Salinas, CA 93901

MINUTES

1. Call to Order at 1:30 p.m.

A quorum was established.

Members present: Ortiz, Baillie, Simis, Jefferson, Anthony, Morgan, Munds and Bullard

Members absent: Ekelund, Lipe, Merkle and Piearcy

2. Public Comment: None

3. Approve the Minutes of the Reservoir Operations Advisory Committee Meeting held on June 27, 2019

Committee Action: On Motion by Simis and Second by Baillie the Committee approved the Minutes of the Reservoir Operations Advisory Committee meeting held on June 27, 2019.

Ayes: Ortiz, Baillie, Simis, Jefferson, Anthony, Morgan, Munds and Bullard

Noes: None

Absent: Ekelund, Lipe, Merkle and Piearcy

4. **Review the status of both reservoirs and current releases**
Jason Demers, Hydrologist, provided the review.

Public Comment: Nancy Isakson
5. **Review the release schedule for 2019**
Germán Criollo, Associate Water Resources Hydrologist, provided the review.

Public Comment: Nancy Isakson
6. **Report regarding unauthorized development, pollution, and debris in and around Nacimiento Reservoir**
John Roitz, Water Resources Technician provided the report.

Public Comment: Nancy Isakson
7. **Report regarding Operations and Maintenance activities at the Reservoirs**
Shaunna Murray, Senior Water Resources Engineer, provided the report.
8. **Report regarding Interlake Tunnel Project**
Elizabeth Krafft, Acting Deputy General Manager, provided the report.
9. **Status reports on:**
 - A. **Lake Recreation by Concessionaire and Parks Department** - No report
 - B. **Easements and Agency Leases** - Jennifer Bodensteiner
 - C. **Quagga / Zebra Mussel Plan** - Ron Munds
 - D. **Cloud Seeding** - Ron Munds
 - E. **San Luis Obispo County Activities** - No report
 - F. **National Marine Fisheries Service** - Bill Stevens
 - G. **Salinas River Stream Maintenance Report** – Shaunna Murray
10. **Set next meeting date and discuss future Agenda items**
Next meeting date is August 29th, 2019. Items to be discussed will include Water Rights, Dam Audit
11. **Adjournment**
The meeting adjourned at 2:19 p.m.

Submitted by: Alice Henault

Reservoir Release Update

RECOMMENDATION:

None – item presented for informational purposes.

SUMMARY/DISCUSSION:

The Reservoir Operations Advisory Committee receives monthly updates on the status of Agency reservoirs.

RESERVOIR ELEVATION / STORAGE: As of August 23 2019, San Antonio Reservoir has a water surface elevation of approximately 727.6 feet (NGVD 29), 123,600 acre-feet of storage. Nacimiento Reservoir has a water surface elevation of approximately 766.4 feet, 212,290 acre-feet of storage. San Antonio Reservoir is currently at 37% of storage capacity and Nacimiento Reservoir is at 56% of capacity.

RESERVOIR RELEASES: The Salinas River Diversion Facility (SRDF) began operating on April 1, 2019. Releases of 375 cfs from Nacimiento Reservoir and 300 cfs from San Antonio Reservoir are being made for groundwater recharge, SRDF operation, and fisheries requirements in accordance with the Salinas Valley Water Project Biological Opinion.

The Salinas River Lagoon is currently closed to the ocean. It opened to the ocean on January 19th and closed during the last weekend in June.

Minor fluctuations in release rates are not presented in this report but are documented in the Salinas Valley Water Project Annual Flow Reports.

Releases as of August 23, 2019:

- Nacimiento Reservoir: 375 cfs
- San Antonio Reservoir: 300 cfs

Total releases from both reservoirs to the Salinas River are approximately 675 cfs. The following “provisional” flows have been recorded by the USGS:

- Salinas River near Bradley: 682 cfs (steady)
- Salinas River at Soledad: 310 cfs (steady)
- Salinas River near Chualar: 152 cfs (steady)
- Salinas River near Spreckels: 48 cfs (steady)

OTHER AGENCY INVOLVEMENT:

None

FINANCING:

None

Prepared by: Germán Criollo, Associate Hydrologist, (831) 755-4860
Jason Demers, Hydrologist, (831) 755-4860

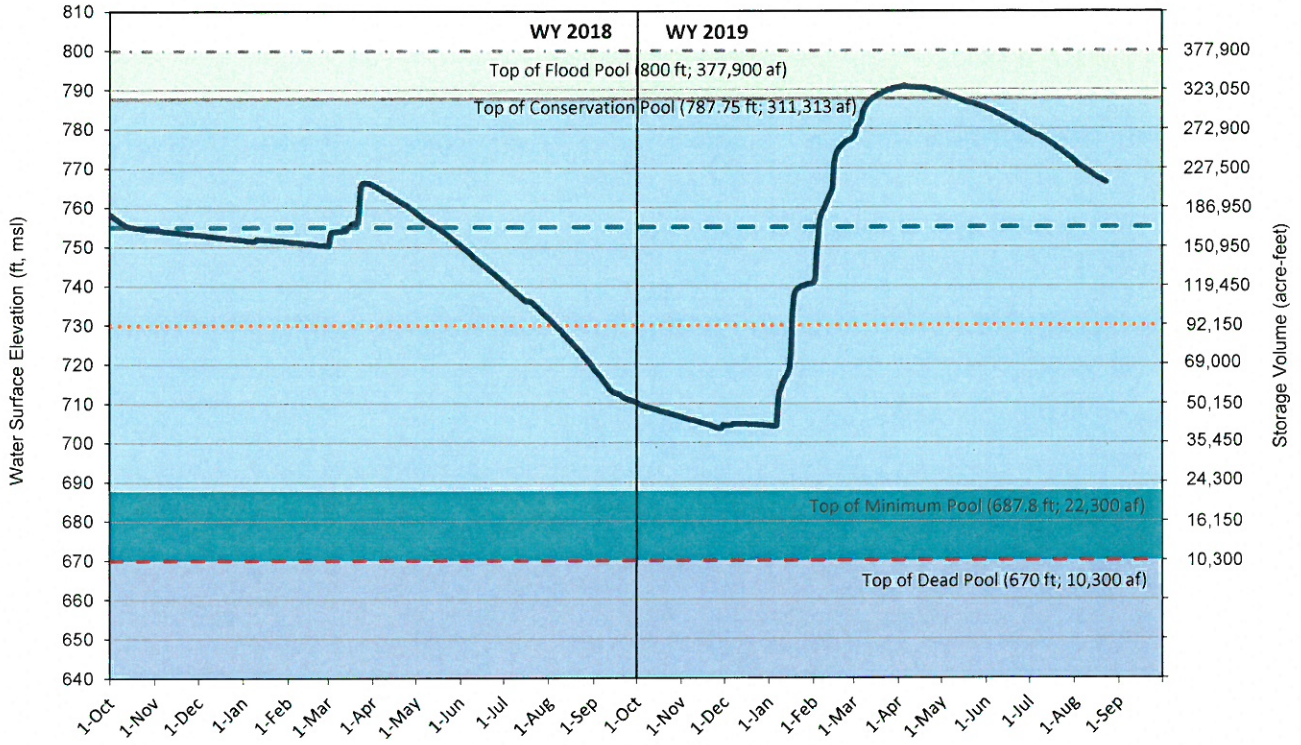
Synopsis of Reservoir Release Changes from July 1, 2019 to August 23, 2019

Date	San Antonio Reservoir		Nacimiento Reservoir		Total Releases
	Starting Flow	Ending Flow	Starting Flow	Ending Flow	
July 2, 2019	10	110	560	460	570
July 3, 2019	110	270	460	300	570
July 8, 2019	270	90	300	480	570
July 9, 2019	90	10	480	510*	520
July 15, 2019	10	10	510	560*	570
July 23, 2019	10	10	560	575*	585
July 26, 2019	10	10	575	590*	600
August 6, 2019	10	50	590	590*	640
August 9, 2019	50	200	590	500*	700
August 15, 2019	200	325	500	375	700
August 23, 2019	325	300	375	375	675

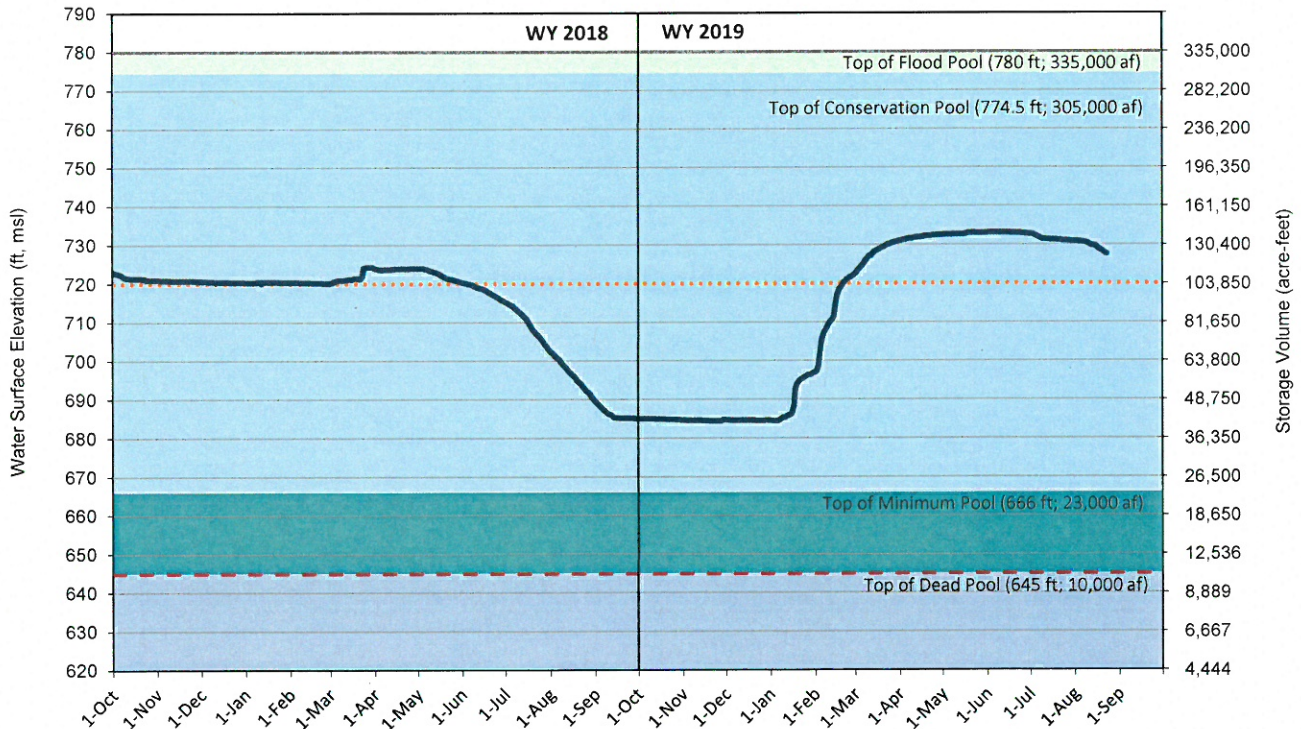
*Release values were adjusted from initial Agency reports following an August 7th flow measurement and correction at the USGS gage 11149400 NACIMIENTO R BL NACIMIENTO DAM NR BRADLEY CA.

Reservoir Elevation and Storage

Nacimientio Reservoir



San Antonio Reservoir



- Dead pool
- Minimum Pool
- Conservation Pool
- Flood Pool
- Minimum Recreation Elevation
- Low Level Outlet Works
- Nacimientio High Level Outlet Works
- Reservoir Elevation
- Spillway
- Raised Nacimientio Spillway Gate

MONTEREY COUNTY WATER RESOURCES AGENCY
Elevation/Storage/NWP Diversions - Estimated after August 1

RESERVOIR RELEASE SCHEDULE FOR 2019

	NACIMIENTO							SAN ANTONIO								
	Combined Releases (cfs)*	Combined Releases (ac-ft)	Evap. Losses (ac-ft)**	Reservoir Releases (cfs)*	Reservoir Releases (ac-ft)	NWP Orders (ac-ft)	NWP Diversions (ac-ft)	Storage (ac-ft)	Storage (%)	Elev. (ft)	Evap. Losses (ac-ft)**	Reservoir Releases (cfs)*	Reservoir Releases (ac-ft)	Storage (ac-ft)	Storage (%)	Elev. (ft)
1/1/2019	70	4,304	268	60	3,689	497	403	41,480	11%	704.4	154	10	615	41,687	12%	684.6
2/1/2019	78	4,306	397	68	3,751	717	256	121,850	32%	740.8	223	10	555	59,050	18%	697.0
3/1/2019	81	4,957	815	71	4,342	986	434	262,985	70%	777.9	609	10	615	110,075	33%	722.5
4/1/2019	231	13,773	1,099	221	13,178	962	407	325,700	86%	790.5	907	10	595	133,398	40%	731.1
5/1/2019	394	24,246	1,320	378	23,231	1,668	363	318,850	84%	789.2	1,332	17	1,016	137,850	41%	732.6
6/1/2019	482	28,693	2,574	472	28,098	2,107	433	298,400	79%	785.2	1,785	10	595	139,500	42%	733.1
7/1/2019	591	36,318	3,165	533	32,767	2,111	528	270,288	72%	779.5	1,806	58	3,550	138,600	41%	732.8
8/1/2019	681	41,874	2,743	461	28,342	1,961		235,330	62%	771.8	1,477	220	13,531	132,823	40%	730.9
9/1/2019	599	35,614	2,060	368	21,868	1,882		204,265	54%	764.4	988	231	13,746	117,321	35%	725.3
10/1/2019	70	4,304	1,392	60	3,689	1,572		178,336	47%	757.7	637	10	615	102,234	31%	719.3
11/1/2019	70	4,165	710	60	3,570	832		171,601	45%	755.9	334	10	595	100,709	30%	718.7
12/1/2019	70	4,304	439	60	3,689	456		166,444	44%	754.4	209	10	615	99,637	30%	718.2
1/1/2020								161,832	43%	753.1				98,721	29%	717.9
TOTALS:		206,859	16,982		170,216	15,751	2,824				10,463		36,643			

* Mean daily flow for the month in cubic feet per second.

** Future Evap. Losses estimated from long term pan evaporation data at Nacimiento and San Antonio Reservoirs and replaced with calculated values once available.

- NOTES:**
1. Nacimiento Reservoir storage capacity 377,900 acre feet.
 2. San Antonio Reservoir storage capacity 335,000 acre feet.
 3. Reservoir Operations Committee may make release considerations for fish spawn and holiday periods to benefit recreation.
 4. Shaded areas represent periods when elevations could be influenced by inflow/runoff, releases may include flood control releases.
 5. Preliminary Schedule assumes no inflow to reservoirs after April 1st.
 6. "NWP Diversions" are San Luis Obispo County - Nacimiento Water Project conveyance facilities diversions. Max. allowable diversions for water year (Oct. 1 - Sept. 30) are 15,750 ac-ft.
 7. NACIMIENTO "NWP Diversions" do not include lakeside water use which is estimated at approximately 1,750 acre feet per year.