

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

COMMITTEE MEMBERS

Richard Ortiz, Chair
Ken Ekelund
Glen Dupree
John Baillie
Benny Jefferson
Jon Anthony
Eric Morgan

Bill Lipe
Nathan Merkle
Ron Munds
Don Bullard
Kevin Piearcy
Matthew Simis

TIME: 1:30 p.m.
DATE: Thursday, November 29, 2018
PLACE: Monterey County Water Resources Agency
Saffron Conference Room
1441 Schilling Place, South Building
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 October 25, 2018**
The Committee will consider approval of the minutes of the above-mentioned meeting (Attachment 1).
4. **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).
5. **Review the release schedule for 2018.**
Staff will review the release schedule for 2018 (Attachment 4).

6. **Report regarding the National Marine Fisheries Service (NMFS) proposal to make winter reservoir releases for improving steelhead migration conditions**
Staff will provide an update on the proposal from NFMS to make winter reservoir releases for improving steelhead migration conditions as part of the ongoing re-initiation process of the Biological Opinion for the Salinas Valley Water Project.
7. **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.
8. **Report regarding Interlake Tunnel Project**
Staff will present a verbal report discussing activities related to the Interlake Tunnel Project.
9. **Status reports on:**
 - A. **Lake recreation by Concessionaire and Parks Department**
 - B. **Easements and Agency Leases**
 - C. **Quagga / Zebra Mussel Plan**
 - D. **San Luis Obispo County Activities**
 - E. **National Marine Fisheries Service**
 - F. **Salinas River Stream Maintenance Program**
10. **Set next meeting date and discuss future Agenda items**
The Committee will discuss and determine details for its next meeting.
11. **Adjournment**

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TIME: 10:00 a.m.
DATE: Thursday, October 25, 2018
PLACE: Heritage Ranch Community Services District Board Chambers
4870 Heritage Ranch Road
Paso Robles, CA 93446

MINUTES

1. **Call to Order at 10:02 a.m. A quorum was established.**

Members present: Ortiz, Baillie, Morgan, Lipe, Merkle (arrived late), Munds, Bullard, Pearcy, and Simis

Members absent: Ekelund, Dupree, Jefferson, and Anthony

2. **Public Comment:** Chuck Larson, Bill Lipe, Don Bullard

3. **Approve the Minutes of the Reservoir Operations Advisory Committee Meeting held on September 27, 2018.**

Committee Action: On Motion and Second by Baillie and Lipe respectively, the Committee approved the Minutes of the Reservoir Operations Committee meeting held on September 27, 2018.

4. **Review the status of both reservoirs and current releases.**

Jason Demers, Hydrologist, reported on current releases at both reservoirs.

5. **Review the release schedule for 2018.**

Germán Criollo, Associate Hydrologist, presented the 2018 release schedule.

6. **Report regarding staff discussions with the National Marine Fisheries Service (NMFS) regarding re-initiation of the Biological Opinion for the Salinas Valley Water Project.**

Brent Buche, Deputy General Manager, reported on this item.

7. **Report regarding Operations and Maintenance activities at the Reservoirs.**

Brent Buche reported on this item.

8. **Report regarding Interlake Tunnel Project.**

Brent Buche reported on the Interlake Tunnel Project.

9. **Status reports on:**

- A. **Lake recreation by Concessionaire and Parks Department**

Nathan Merkle reported on this item.

- B. **Easements and Agency Leases**

Brent Buche reported on this item.

- C. **Quagga / Zebra Mussel Plan**

Ron Munds reported on this item.

- D. **San Luis Obispo County Activities**

Ron Munds reported on this item.

Committee Action: On Motion and Second by Lipe and Morgan respectively, the Committee directed staff to seek endorsement of the Agency Board of Directors to continue discussion with the County of San Luis Obispo regarding collaborative cloud seeding activities.

- E. **National Marine Fisheries Service**

No report on this item.

10. **Set next meeting date and discuss future Agenda items.**

The next meeting is scheduled for November 29, 2018 at 1:30 p.m.

11. **The meeting adjourned at 11:26 a.m.**

Submitted by: Jason Demers

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 November 20, 2018, San Antonio Reservoir has a water surface elevation of approximately 684.5 feet mean sea level (msl), 41,625 acre-feet of storage. Nacimiento Reservoir has a water surface elevation of approximately 704.6 feet msl, 41,770 acre-feet of storage. San Antonio Reservoir is currently at 12% of storage capacity and Nacimiento Reservoir is at 11% of capacity.

RESERVOIR RELEASES: Minimum fisheries releases of 60 cfs from Nacimiento Reservoir and 10 cfs from San Antonio Reservoir are currently being made in accordance with the Salinas Valley Water Project Biological Opinion.

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 November 20, 2018:

- Nacimiento Reservoir: 60 cfs
- San Antonio Reservoir: 10 cfs

Total releases from both reservoirs to the Salinas River are approximately 70 cfs. The following “provisional” flows have been recorded by the USGS:

- Salinas River near Bradley: 79 cfs (steady)
- Salinas River at Soledad: 0 cfs
- Salinas River near Chualar: 0 cfs
- Salinas River near Spreckels: 0 cfs

OTHER AGENCY INVOLVEMENT:

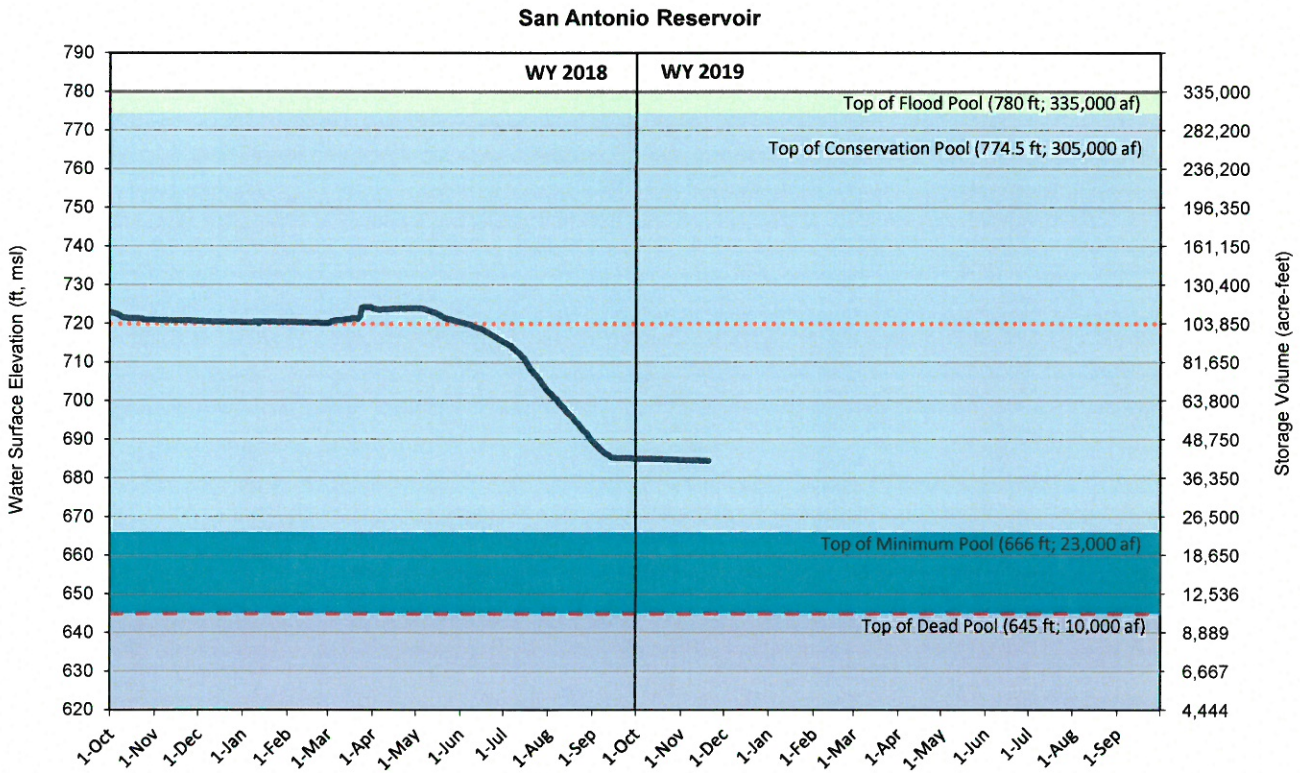
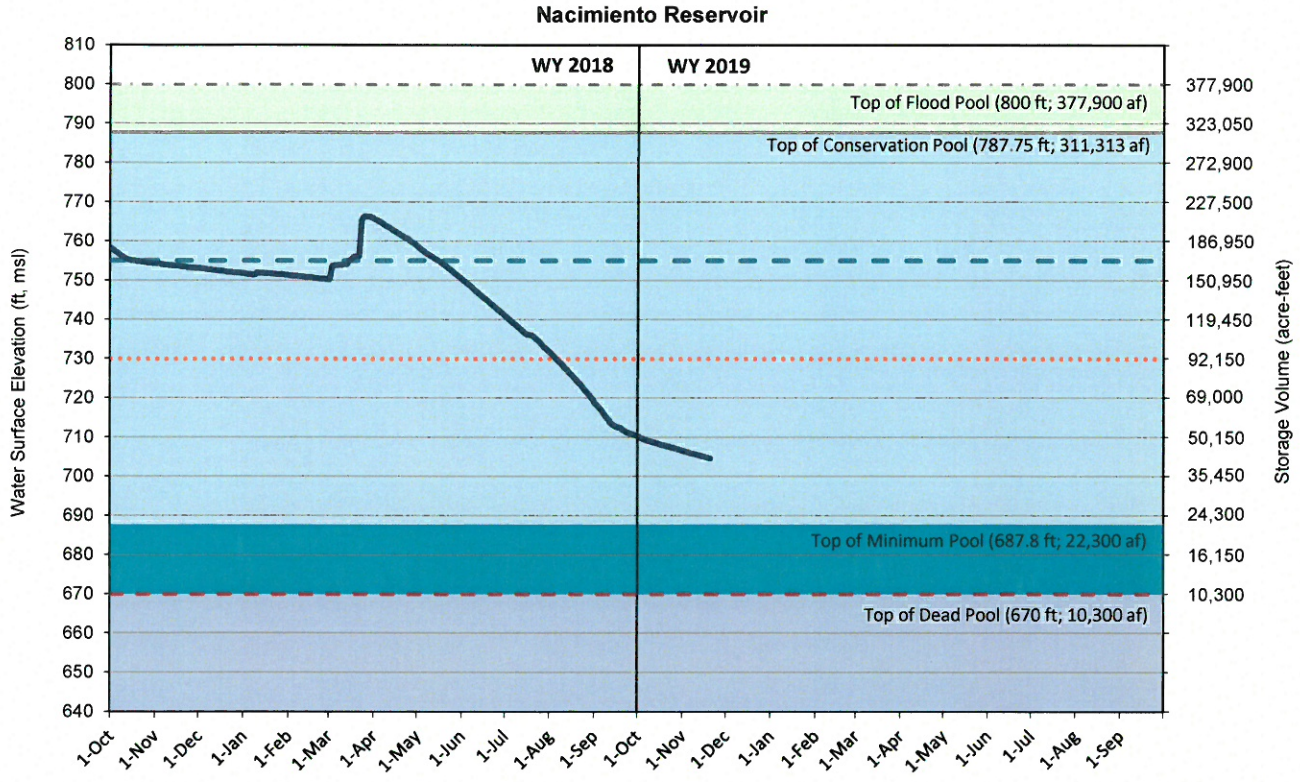
None

FINANCING:

None

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

Reservoir Elevation and Storage



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

MONTEREY COUNTY WATER RESOURCES AGENCY
Preliminary - Estimated Elevation/Storage/NWP Diversions after November 1st

11/20/2018

RESERVOIR RELEASE SCHEDULE FOR 2018														
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)	Elev. (ft)	Evap. Losses (ac-ft)**	Reservoir Releases (cfs)*	Reservoir Releases (ac-ft)	Storage (ac-ft)	Elev. (ft)
1/1/2018	70	4,304	393	60	3,689	484	275	156,988	751.8	254	10	615	104,585	720.3
2/1/2018	70	3,888	507	60	3,332	701	345	155,435	751.3	311	10	555	104,708	720.4
3/1/2018	233	14,303	641	162	9,977	972	504	151,985	750.3	461	70	4,326	104,095	720.1
4/1/2018	534	31,770	1,086	487	28,993	947	539	209,250	765.7	853	47	2,777	113,645	723.9
5/1/2018	584	35,923	1,315	439	26,997	1,661	646	181,975	758.7	1,080	145	8,926	113,773	724.0
6/1/2018	608	36,203	1,771	422	25,111	2,199	714	151,813	750.3	1,411	186	11,092	104,585	720.3
7/1/2018	755	46,424	1,713	371	22,798	2,235	1,091	122,150	740.9	1,314	384	23,625	92,650	715.2
8/1/2018	755	46,422	1,372	436	26,779	1,985	1,114	96,470	731.7	930	319	19,643	67,595	702.3
9/1/2018	316	18,802	1,013	222	13,210	1,899	483	66,695	718.9	638	94	5,591	47,910	689.4
10/1/2018	70	4,304	642	60	3,689	1,674	644	50,500	710.2	462	10	615	42,312	685.1
11/1/2018	70	4,165	304	60	3,570	1,024		44,600	706.5	243	10	595	41,875	684.7
12/1/2018	70	4,304	177	60	3,689	450		39,997	703.4	152	10	615	41,335	684.3
1/1/2019								35,680	700.2				40,567	683.6
TOTALS:		250,812	10,933		171,837	16,231	6,356			8,109		78,975		

* 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 June 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.