

**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, January 31, 2019
PLACE: Monterey County Water Resources Agency
Cayenne Conference Room
1441 Schilling Place, North 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 November 29, 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 and discussion of release schedule**
Staff will review the release schedule for last year (Attachment 4) and present environmental compliance reservoir operation requirements for this winter.

6. **Report regarding the update of the Operation Policy Manual for San Antonio Dam**
Staff will present a verbal report regarding the update of the Operation Policy Manual for San Antonio Dam.
7. **Report regarding the ongoing re-initiation process of the Biological Opinion for the Salinas Valley Water Project with the National Marine Fisheries Service (NMFS)**
Staff will provide an update on the ongoing re-initiation process of the NMFS Biological Opinion for the Salinas Valley Water Project.
8. **Recommend the Board of Directors Receive a Report on Dam Breach Inundation Maps for Nacimiento and San Antonio Dams**
Staff will present a verbal report discussing the dam breach inundation maps for Nacimiento and San Antonio Dams that have been approved by the California Department of Water Resources, Division of Safety of Dams.
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. **San Luis Obispo County Activities**
 - E. **National Marine Fisheries Service**
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
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Matthew Simis

TIME: 1:30 p.m.
DATE: Thursday, November 29, 2018
PLACE: 1441 Schilling Place, Saffron Room
Salinas, CA 93901

MINUTES

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

2. **A quorum was established.**

Members present: Ortiz, Ekelund, Baillie, Jefferson, Morgan, Merkle (arrived at 2:33 p.m.), Munds, Piearcy, and Simis

Members absent: Dupree, Anthony, Lipe and Bullard

3. **Public Comment: None**

3. **Approve the Minutes of the Reservoir Operations Advisory Committee Meeting held on October 25, 2018.**

Committee Action: On Motion and Second by Baillie and Piearcy, respectively, and Jefferson and Ekelund abstaining, the Committee approved the Minutes of the Reservoir Operations Committee meeting held on October 25, 2018.

Ayes: Ortiz, Baillie, Morgan, Munds, Piearcy and Simis

Noes: None

Abstain: Jefferson and Ekelund

Absent: Dupree, Anthony, Lipe, Merkle and Bullard

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.

Public Comment: Jeff Taylor

9. **Status reports on:**
 - A. **Easements and Agency Leases**
Brent Buche reported on this item.
 - B. **Quagga / Zebra Mussel Plan**
Ron Munds reported on this item.
 - C. **San Luis Obispo County Activities**
Ron Munds reported on this item.
 - D. **Salinas River Stream Maintenance Program**
Shaunna Murray reported on this item

Public Comment: Jeff Taylor

10. **Set next meeting date and discuss future Agenda items.**
The next meeting is scheduled for January 31, 2019 at 1:30 p.m.
11. **The meeting adjourned at 2:50 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 January 24, 2019, San Antonio Reservoir has a water surface elevation of approximately 695.6 feet (NGVD 29), 56,900 acre-feet of storage. Nacimiento Reservoir has a water surface elevation of approximately 739.9 feet, 119,155 acre-feet of storage. San Antonio Reservoir is currently at 17% of storage capacity and Nacimiento Reservoir is at 32% of capacity.

Rain events late in November resulted in the first inflow of the 2018-19 winter at both reservoirs. Since the seasonal low on November 28, 2018 Nacimiento Reservoir storage has increased by approximately 79,000 acre-feet. During the same period San Antonio Reservoir storage has increased by approximately 15,000 acre-feet.

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 January 24, 2019:

- 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: 119 cfs (decreasing)
- Salinas River at Soledad: 0 cfs
- Salinas River near Chualar: 56 cfs (decreasing)
- Salinas River near Spreckels: 41 cfs (decreasing)

OTHER AGENCY INVOLVEMENT:

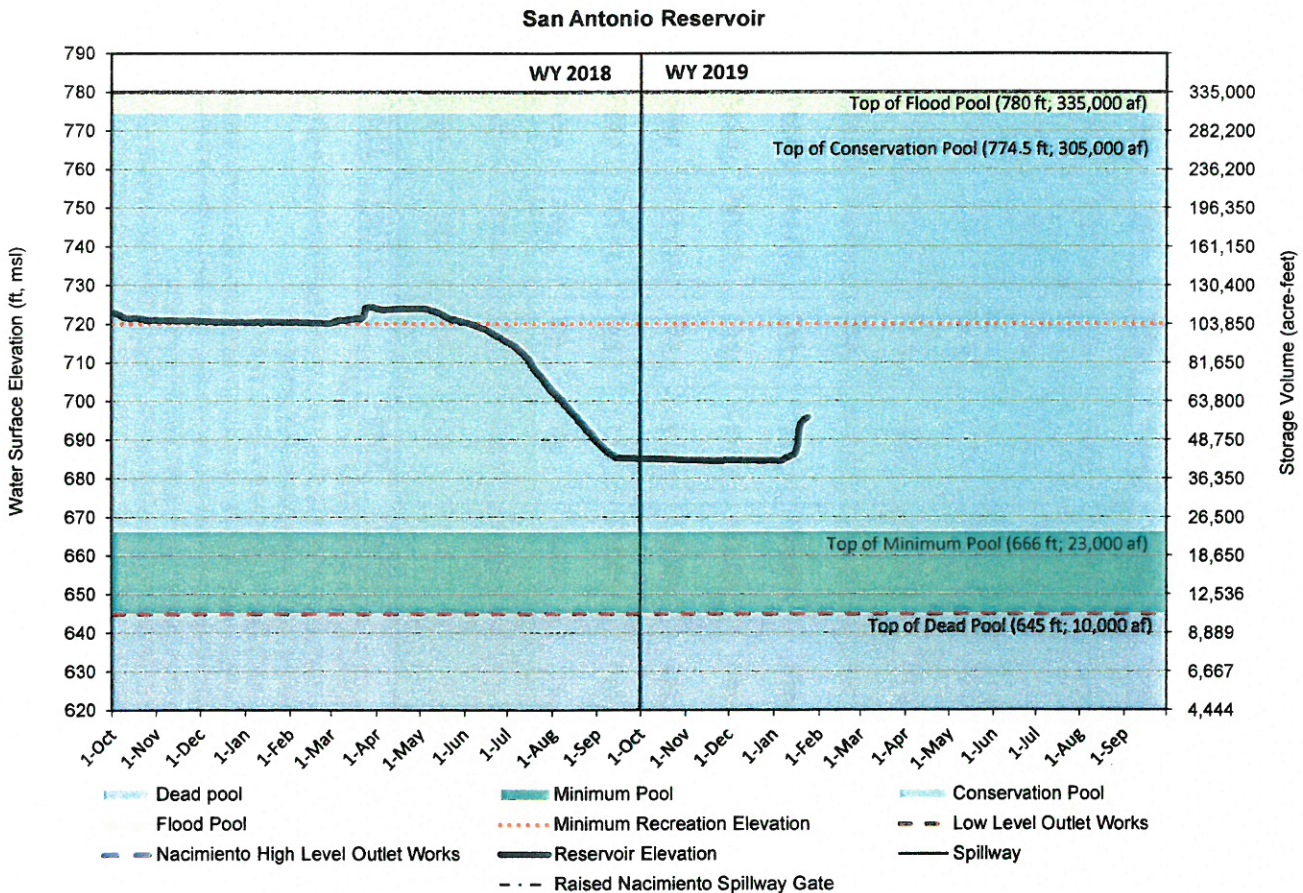
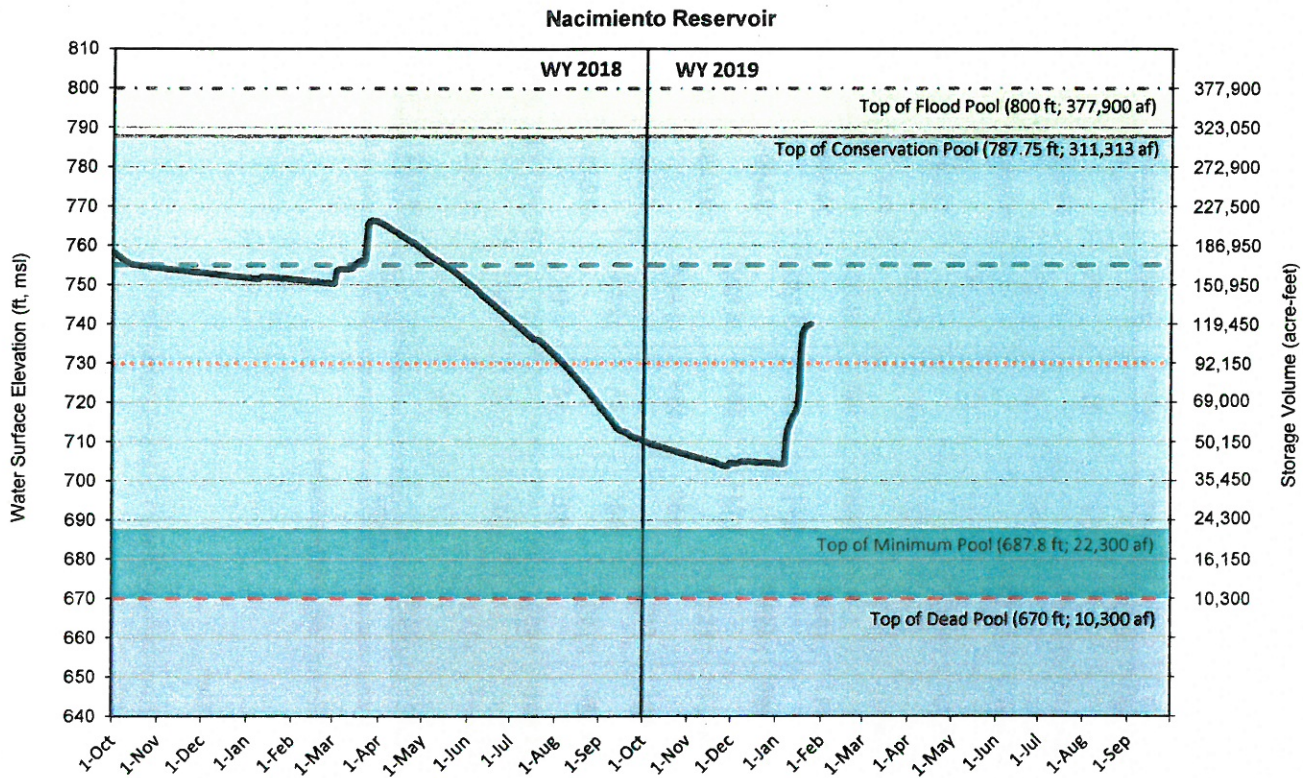
None

FINANCING:

None

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

Reservoir Elevation and Storage



MONTEREY COUNTY WATER RESOURCES AGENCY
Final Elevation/Storage/NWP Diversions

1/24/2019

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	548	60	3,689	1,674	644	50,500	710.2	829	10	615	42,312	685.1
11/1/2018	70	4,165	330	60	3,570	1,024	422	44,600	706.5	321	10	595	41,875	684.7
12/1/2018	70	4,304	180	60	3,689	450	331	41,563	704.5	177	10	615	41,875	684.7
1/1/2019								41,480	704.4				41,687	684.6
TOTALS:		250,812	10,868		171,837	16,231	7,109			8,579		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.

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.

NOTES: