

**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, March 28, 2019
PLACE: Monterey County Water Resources Agency
Cinnamon 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 February 28, 2019**
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. **Consider recommending that the Monterey County Water Resources Agency Board of Directors adopts the 2019 release schedule for Nacimiento and San Antonio reservoirs**

The proposed reservoir release schedule (Attachment 4) for the 2019 release season will be discussed and evaluated. The Committee will review the schedule and develop a motion for the Agency Board of Directors.

- 6. 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.
- 7. Report regarding Interlake Tunnel Project**
Staff will present a verbal report discussing activities related to the Interlake Tunnel Project.
- 8. 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**
- 9. Set next meeting date and discuss future Agenda items**
The Committee will discuss and determine details for its next meeting.
- 10. Adjournment**

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TIME: 1:30 p.m.
DATE: Thursday, February 28, 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, Ekelund, Baillie, Simis, Jefferson, Anthony, Morgan, Lipe, Bullard, and Piearcy (arrived at 2:02 p.m.)

Members absent: Merkle and Munds

2. Public Comment: None

3. Approve the Minutes of the Reservoir Operations Advisory Committee Meeting held on January 31, 2019

Committee Action: On Motion by Baillie and Second by Simis the Committee approved the Minutes of the Reservoir Operations Committee meeting held on January 31, 2019.

Ayes: Ortiz, Ekelund, Baillie, Simis, Jefferson, Anthony, Morgan, Lipe, Bullard, and Piearcy

Noes:

Abstain: None

Absent: Merkle and Munds

4. **Review the status of both reservoirs and current releases**
Jason Demers, Hydrologist, reported on current releases at both reservoirs.
5. **Discussion of release schedule for 2019**
Germán Criollo, Associate Hydrologist, provided the update.
6. **Report regarding the re-initiation process of the Biological Opinion for the Salinas Valley Water Project with the National Marine Fisheries Service (NMFS)**
Shauna Lorance, Interim General Manager, reported on this item.

Public Comment: Nancy Isakson

7. **Report regarding the Draft Policy Relating to Easements, Licenses, and Permits for Access of Agency Property developed by the Land Use and Lease Subcommittee**
Jennifer Bodensteiner, Associate Water Resources Hydrologist, reported on this item.

Public Comment: Nancy Isakson

8. **Report regarding Operations and Maintenance activities at the Reservoirs**
Brent Buche, Deputy General Manager, reported on this item.
Shauna Lorance spoke on funds for necessary projects.

Public Comment: Nancy Isakson

9. **Report regarding Interlake Tunnel Project**
Shauna Lorance reported on this item.

10. **Status reports on:**
 - A. **Lake recreation by Concessionaire and Parks Department** - Jon Anthony
 - B. **Easements and Agency Leases** – Jennifer Bodensteiner
 - C. **Quagga / Zebra Mussel Plan** – Don Bullard
 - D. **San Luis Obispo County Activities** – Representative not present
 - E. **National Marine Fisheries Service** – Representative not present

11. **Set next meeting date and discuss future Agenda items**
The next meeting is scheduled for March 28, 2019 at 1:30 p.m. in the Cinnamon Room

12. **The meeting adjourned at 2:45 p.m.**

Submitted by: Misti Muramatsu

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 March 20, 2019, San Antonio Reservoir has a water surface elevation of approximately 729.3 feet (NGVD 29), 128,405 acre-feet of storage. Nacimiento Reservoir has a water surface elevation of approximately 789 feet, 317,800 acre-feet of storage. San Antonio Reservoir is currently at 38% of storage capacity and Nacimiento Reservoir is at 84% of capacity.

Since the seasonal low on November 28, 2018 Nacimiento Reservoir storage has increased by approximately 277,000 acre-feet. During the same period San Antonio Reservoir storage has increased by approximately 87,000 acre-feet. Combined reservoir storage is currently 446,205 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.

The Salinas River Lagoon opened to the ocean on January 19th and remains open.

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 March 20, 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: 466 cfs (decreasing)
- Salinas River at Soledad: 719 cfs (decreasing)
- Salinas River near Chualar: 964 cfs (decreasing)
- Salinas River near Spreckels: 909 cfs (decreasing)

OTHER AGENCY INVOLVEMENT:

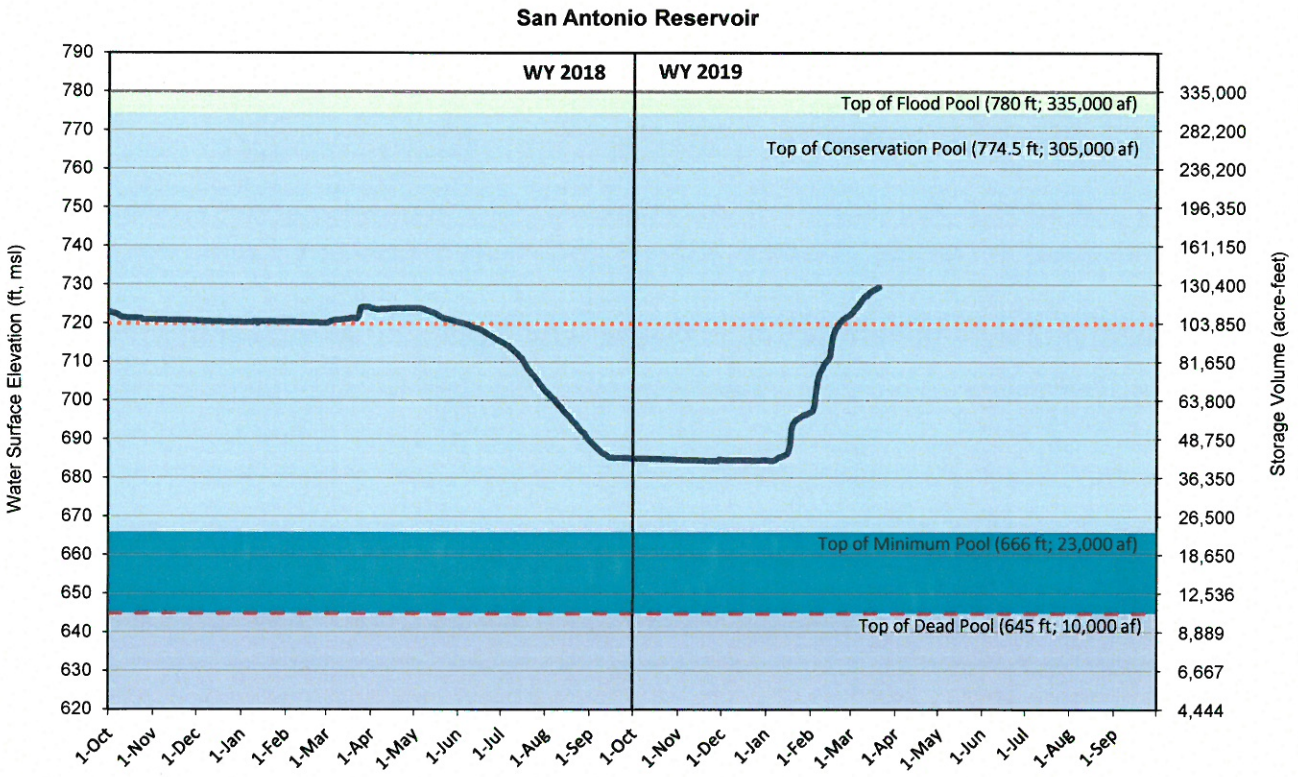
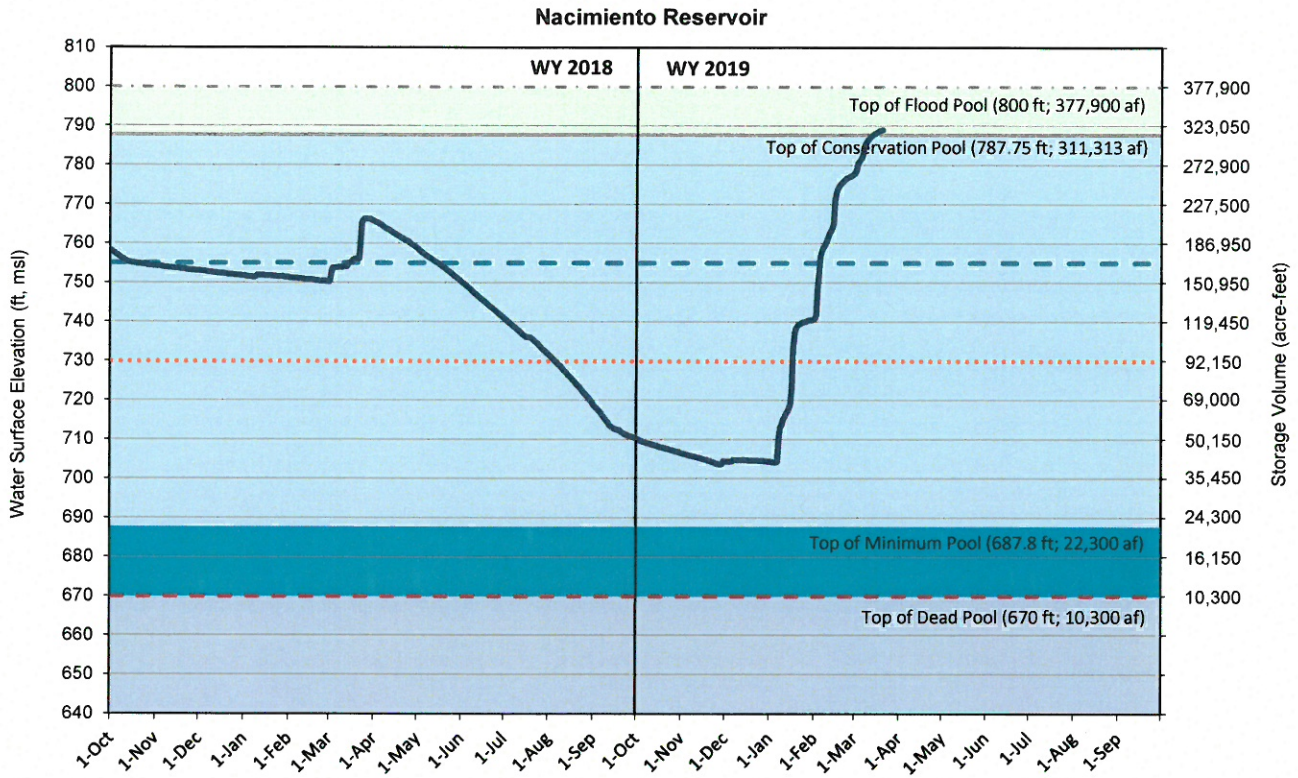
None

FINANCING:

None

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

Reservoir Elevation and Storage



- 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
Elevation/Storage/NWP Diversions - Estimated after Mar. 1

	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		Elev. (ft)	Evap. Losses (ac-ft)**	Reservoir Releases (cfs)*	Reservoir Releases (ac-ft)	Storage		Elev. (ft)
								(ac-ft)	(%)					(ac-ft)	(%)	
1/1/2019	70	4,304	268	60	3,689	591	403	41,480	11%	704.4	154	10	615	41,687	12%	684.6
2/1/2019	78	4,306	397	68	3,751	808	256	121,850	32%	740.8	223	10	555	59,050	18%	697.0
3/1/2019	85	5,223	1,112	75	4,608	1,078		262,985	70%	777.9	609	10	615	110,075	33%	722.5
4/1/2019	298	17,752	1,591	288	17,157	1,129		314,602	83%	788.4	907	10	595	127,885	38%	729.1
5/1/2019	555	34,116	2,229	545	33,501	1,380		294,904	78%	784.5	1,332	10	615	126,380	38%	728.6
6/1/2019	625	37,191	2,806	615	36,596	1,699		257,507	68%	776.7	1,785	10	595	124,428	37%	727.9
7/1/2019	690	42,447	2,732	458	28,156	1,834		215,898	57%	767.3	1,806	232	14,291	122,043	36%	727.0
8/1/2019	726	44,629	2,376	424	26,083	2,084		182,767	48%	758.9	1,477	302	18,546	105,939	32%	720.9
9/1/2019	664	39,531	1,780	385	22,909	1,999		152,313	40%	750.4	988	279	16,622	85,909	26%	712.1
10/1/2019	70	4,304	1,187	60	3,689			125,716	33%	742.1	637	10	615	68,292	20%	702.7
11/1/2019	70	4,165	603	60	3,570			119,159	32%	739.9	334	10	595	67,037	20%	702.0
12/1/2019	70	4,304	371	60	3,689			113,959	30%	738.1	209	10	615	66,106	20%	701.4
TOTALS:		242,273	17,451		187,399	12,602	659	109,447	29%	736.5	10,463		54,874	65,281	19%	700.9

* 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.