

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

COMMITTEE MEMBERS

Richard Ortiz, Chair
Ken Ekelund
Glen Dupree
Mike Scattini
John Baillie
Benny Jefferson
Jon Anthony

Eric Morgan
Bill Lipe
Mark Sandoval
Ron Munds
Don Bullard
Kevin Piearcy
Matthew Simis

TIME: 1:30 p.m.
DATE: Thursday, April 26, 2018
PLACE: Monterey County Water Resources Agency
Saffron Conference Room (1st Floor)
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 March 29, 2018**
The Committee will consider approval of the minutes of the above-mentioned meeting (Attachment 1).
- 4. Review the status of both reservoirs, current releases, and the release schedule for 2018.**
Staff will present a summary of current conditions at both reservoirs, provide a synopsis of release changes that have occurred since the last meeting, and review the release schedule for 2018 (Attachments 2, 2a, 3, and 4).

- 5. Discussion regarding the Ad Hoc Committee to update the Operation Policy Manual for San Antonio Dam**
The Committee will review the membership of the Ad Hoc Committee that will be drafting an update of the Operation Policy Manual for San Antonio Dam and discuss potential dates for a kickoff meeting.
- 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 report on current activities regarding 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, March 29, 2018
PLACE: 1441 Schilling Place, Saffron Room (1st Floor)
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MINUTES

1. **Call to Order at 1:30 p.m. A quorum was established.**

Members present: Ortiz, Ekelund, Dupree, Baillie, Anthony, Jefferson, Lipe, Merkel (for Mark Sandoval), Tallone (for Jill Ogren), Bullard, Pearcy, and Simis

Members absent: Scattini, Jefferson, Morgan

Left Early: Richard Ortiz at 1:55 p.m. and John Baillie at 3:01 p.m.

Arrived Late: Kevin Pearcy at 1:55 p.m.

2. **Public Comment: Don Bullard**

3. **Approve the Minutes of the Reservoir Operations Advisory Committee Meeting held on February 22, 2018.**

Committee Action: Upon Motion by Director Ekelund and Second by Director Dupree, the Committee approved the Minutes of the Reservoir Operations Advisory Committee Meeting held on February 22, 2018.

Ayes: Ortiz, Ekelund, Dupree, Anthony, Lipe, Merkel, Tallone, and Simis

Noes: Bullard

Abstained: Baillie and Jefferson

4. **Consider forming an Ad Hoc Committee to update the Operation Policy Manual for San Antonio Dam.**

The Committee formed the Ad Hoc Committee with the following members: Richard Ortiz, Glen Dupree, John Baillie, Benny Jefferson, Kevin Pearcy, and Ron Munds.

5. Review the status of both reservoirs and current releases.

Jason Demers, Hydrologist, presented item

Public Comment: Bill Lipe

6. Consider recommending that the Monterey County Water Resources Agency Board of Directors adopts a release schedule for Nacimiento and San Antonio reservoirs for 2018.

Germán Criollo, Associate Hydrologist presented item.

Committee Action: On Motion by Baillie and Second by Director Jefferson, the Committee recommended that the Monterey County Water Resources Agency Board of Directors adopts a release schedule for Nacimiento and San Antonio reservoirs for 2018

Ayes: Ekelund, Baillie, Anthony, Jefferson, Lipe, Merkel, Tallone, Pearcy, and Simis

Noes: Bullard and Dupree

Public Comment: Nancy Isakson, Bill Lipe, Ron Munds, Bill Capps, Scott Duffield and Bill Stevens.

7. Report regarding Operations and Maintenance activities at the Reservoirs

Germán Criollo, Associate Hydrologist, provided verbal report.

Public Comment: Bill Lipe and Bill Stevens

8. Report regarding Interlake Tunnel Project

David Chardavoyne, General Manager, presented this item.

Public Comment: Bill Lipe and Don Bullard

9. Status reports on:

A. Lake recreation by Concessionaire and Parks Department

Jon Anthony reported on this item.

B. Easements and Agency Leases

Ken Ekelund reported on this item.

C. Quagga / Zebra Mussel Plan

Jon Anthony, Don Bullard and Matt Tallone reported on this item.

D. San Luis Obispo County Activities

Nate Merkle and Matt Tallone reported on this item.

E. National Marine Fisheries Service

Bill Stevens reported on this item.

Public Comment: Bill Capps

10. Set next meeting date and discuss future Agenda items

The next meeting is scheduled for April 26, 2018 at 1:30 p.m.

11. Adjournment at 3:35 p.m.

Submitted by: Rebecca De La Rosa

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 April 19, 2018, San Antonio Reservoir is at an elevation of approximately 721.65 feet mean sea level (msl), 113,645 acre-feet of storage. Nacimiento Reservoir is at elevation 761.65 feet msl, 193,418 acre-feet of storage. San Antonio Reservoir is currently at 34% of storage capacity and Nacimiento Reservoir is at 51% of capacity.

RESERVOIR RELEASES: The Agency made releases from Nacimiento Reservoir to augment natural flows to support adult upstream migration from March 25th through March 31st after the Salinas River mouth opened to the ocean and other Salinas Valley Water Project Biological Opinion triggers were met simultaneously on March 25th. The Agency then transitioned into making conservation releases at the beginning of this month. Currently, minimum fisheries release are being made from San Antonio Reservoir and conservation releases are being made from Nacimiento Reservoir to maintain contiguous flow to the Salinas River Lagoon in anticipation of Salinas River Diversion Facility (SRDF) operation.

Minor fluctuations in release rates are not presented in this report but are documented in the Salinas Valley Water Project Annual Flow Reports. The Salinas River mouth is currently open to the ocean.

Releases as of April 19, 2018:

- Nacimiento Reservoir: 425 cfs
- San Antonio Reservoir: 10 cfs

Total releases from both reservoirs to the Salinas River are approximately 435 cfs. The following “provisional” flows have been recorded by the USGS:

- Salinas River near Spreckels: 87 cfs
- Salinas River near Chualar: 101 cfs
- Salinas River at Soledad: 268 cfs
- Salinas River near Bradley: 441 cfs

OTHER AGENCY INVOLVEMENT:

None

FINANCING:

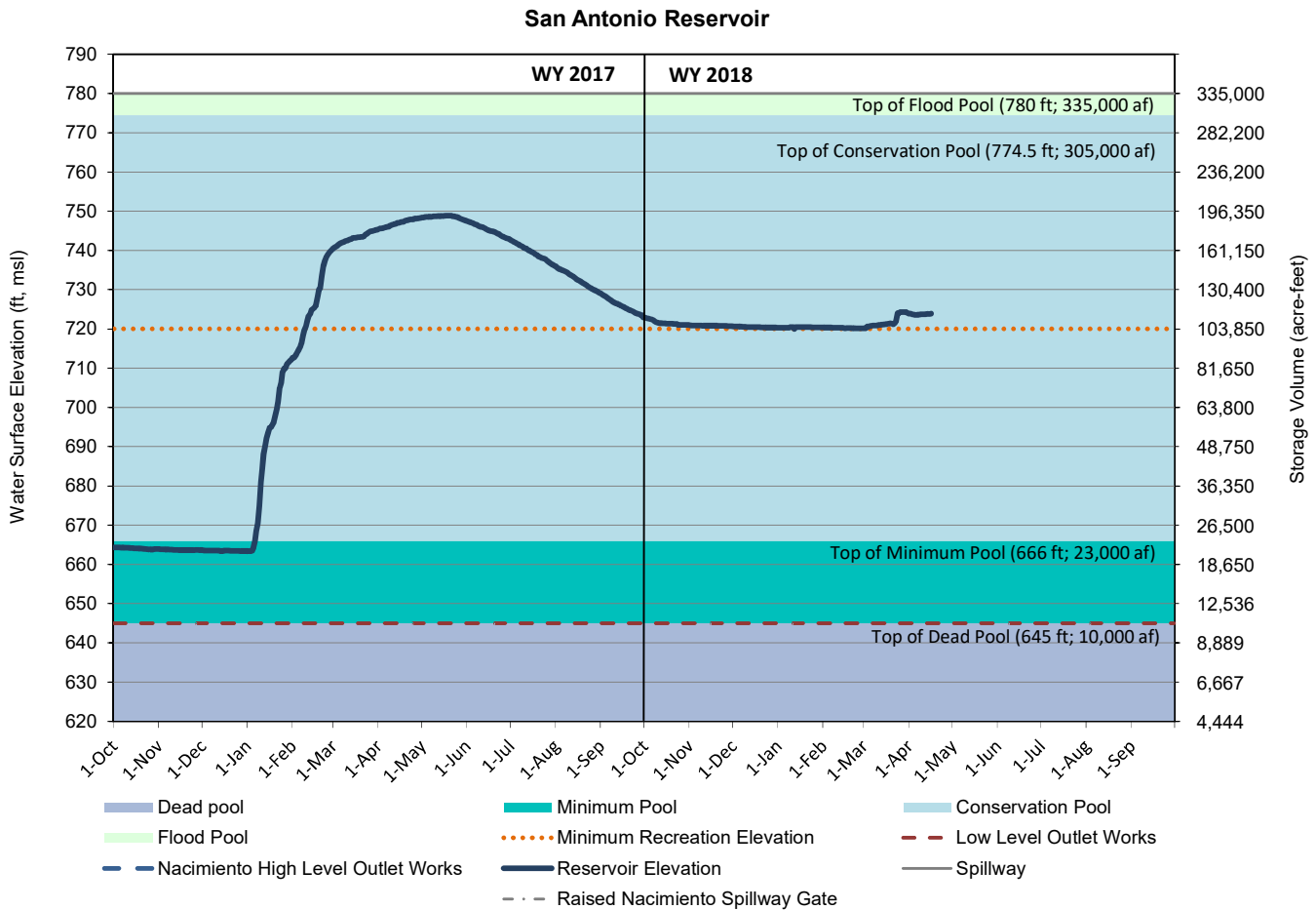
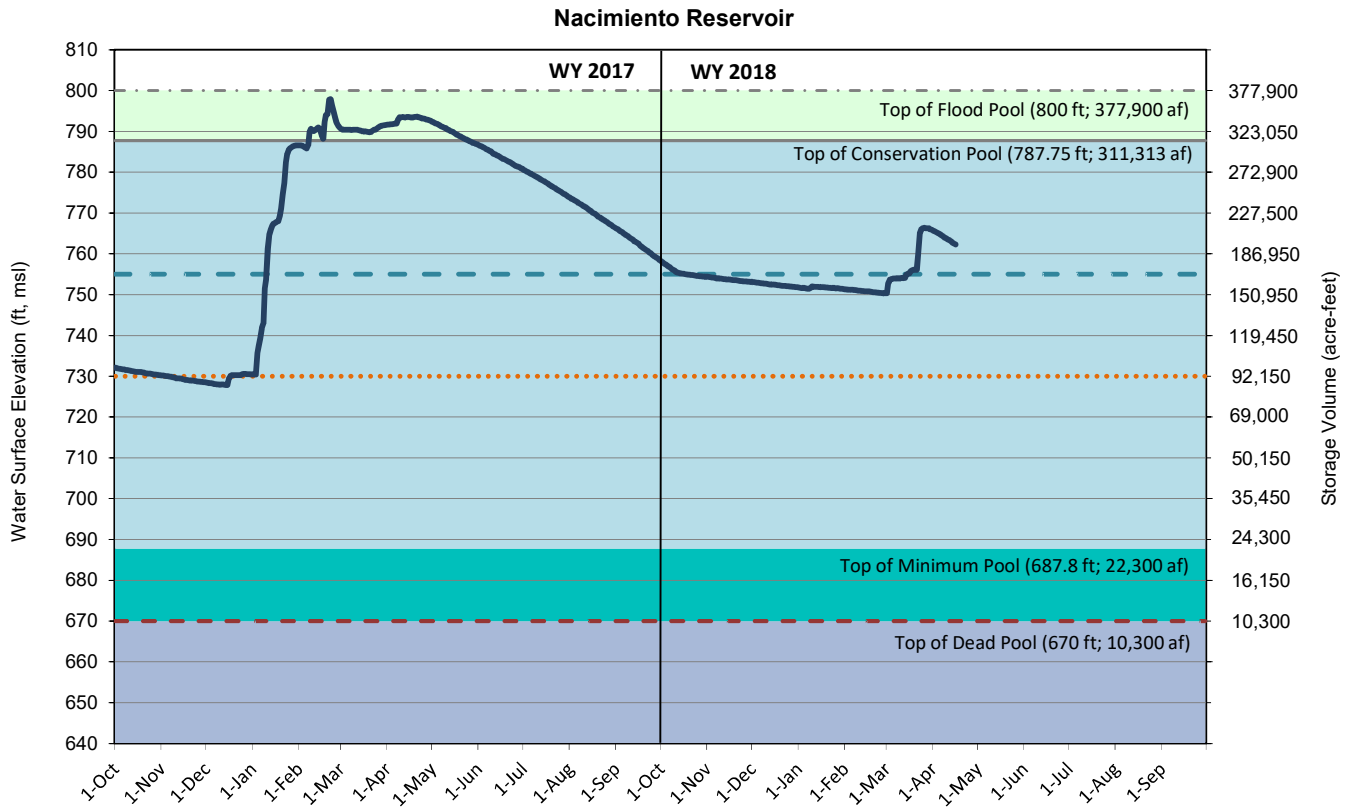
None

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

Synopsis of Reservoir Release Changes from February 1, 2018 to April 19, 2018

Date	San Antonio Reservoir		Nacimiento Reservoir		Total Releases
	Starting Flow	Ending Flow	Starting Flow	Ending Flow	
February 1, 2018	10	10	60	60	70
March 19, 2018	10	300	60	360	660
March 20, 2018	300	400	360	360	760
March 20, 2018	400	300	360	360	660
March 21, 2018	300	10	360	170	180
March 22, 2018	10	10	170	60	70
March 25, 2018	10	10	60	400	410
March 26, 2018	10	250	400	460	710
April 4, 2018	250	150	460	460	610
April 5, 2018	150	10	460	550	560
April 10, 2018	10	10	550	485	495
April 16, 2018	10	10	485	425	435

Reservoir Elevation and Storage



MONTEREY COUNTY WATER RESOURCES AGENCY
Estimated Elevation/Storage/NWP Diversions after May 1st

4/17/2018

	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								156,988	751.8				104,585	720.3
2/1/2018	70	4,304	387	60	3,689	484	275	155,435	751.3	283	10	615	104,708	720.4
3/1/2018	70	3,888	381	60	3,332	701	345	151,985	750.3	284	10	555	104,095	720.1
4/1/2018	233	14,303	754	162	9,977	972	504	209,250	765.7	540	70	4,326	113,645	723.9
5/1/2018	517	30,744	1,081	470	27,967	947		181,926	758.7	789	47	2,777	112,933	723.6
6/1/2018	538	33,075	1,603	400	24,595	1,661		154,000	750.9	1,172	138	8,479	103,249	719.7
7/1/2018	710	42,249	2,210	400	23,802	2,199		125,935	742.1	1,586	310	18,447	83,344	710.8
8/1/2018	769	47,257	2,378	345	21,223	2,235		100,518	733.2	1,704	423	26,033	56,080	695.1
9/1/2018	792	48,715	2,293	392	24,119	1,985		72,795	721.8	1,578	400	24,595	30,666	674.5
10/1/2018	293	17,415	1,917	159	9,481	1,899		60,291	715.7	1,302	133	7,934	22,295	664.9
11/1/2018	70	4,304	1,381	60	3,689	1,674		54,186	712.3	917	10	615	21,393	663.7
12/1/2018	70	4,165	719	60	3,570	1,024		49,235	709.4	490	10	595	20,648	662.7
1/1/2019	70	4,304	455	60	3,689	450		44,886	706.7	311	10	615	19,940	661.8
TOTALS:		254,723	15,560		159,136	16,231	1,124			10,956		95,587		

* 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.