

**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, August 30, 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 July 26, 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 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 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**

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

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Matthew Simis

TIME: 1:30 p.m.
DATE: Thursday, July 26, 2018
PLACE: 1441 Schilling Place, Saffron Room (1st Floor)
Salinas, CA 93901

MINUTES

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

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

Members absent: Ekelund, Dupree, Scattini, and Merkle

Members Late: Bill Lipe at 1:32 p.m. and Kevin Pearcy at 1:55 p.m.

2. **Public Comment:** Nancy Isakson

3. **Approve the Minutes of the Reservoir Operations Advisory Committee Meeting held on June 28, 2018**

Committee Action: On Motion and Second by Jefferson and Simis, respectively, the Committee approved the Minutes of the Reservoir Operations Committee meeting held on June 28, 2018.

4. **Review the status of both reservoirs and current releases, and the release schedule for 2018.**

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

Public Comment: John Baillie and Nancy Isakson

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

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

Public Comment: John Baillie

- 6. Report regarding the update of the Operation Policy Manual for San Antonio Dam**
Germán Criollo, reported on this item.

- 7. Report regarding Operations and Maintenance activities at the Reservoirs**
Chris Moss, Senior Water Resources Engineer, provided a presentation on Operations and Maintenance activities at the Reservoirs.

Public Comment: Lawrence Hinkle and Nancy Isakson

- 8. Report regarding Interlake Tunnel Project**
David Chardavoyne, General Manager, reported via telephone on the Interlake Tunnel Project.

- 9. Status reports on:**

A. Lake recreation by Concessionaire and Parks Department

Jon Anthony and Don Bullard reported on this item.

B. Easements and Agency Leases

None

C. Quagga / Zebra Mussel Plan

Jon Anthony and Ron Munds reported on this item.

D. San Luis Obispo County Activities

None

E. National Marine Fisheries Service

None

F. Salinas River Stream Maintenance Program

Shaunna Murray, Associate Water Resources Engineer, reported on this item.

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

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

- 11. The meeting adjourned at 2:57 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 August 22, 2018, San Antonio Reservoir is at an elevation of approximately 694 feet mean sea level (msl), 54,500 acre-feet of storage. Nacimiento Reservoir is at elevation 723.5 feet msl, 76,625 acre-feet of storage. San Antonio Reservoir is currently at 16% of storage capacity and Nacimiento Reservoir is at 20% of capacity.

RESERVOIR RELEASES: Conservation releases are being made from both reservoirs for groundwater recharge and operation of the Salinas River Diversion Facility (SRDF) in accordance with the requirements of 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 August 22, 2018:

- Nacimiento Reservoir: 450 cfs
- San Antonio Reservoir: 320 cfs

Total releases from both reservoirs to the Salinas River are approximately 770 cfs. The following “provisional” flows have been recorded by the USGS:

- Salinas River near Bradley: 697 cfs (steady)
- Salinas River at Soledad: 305 cfs (steady)
- Salinas River near Chualar: 112 cfs (steady)
- Salinas River near Spreckels: 40 cfs (steady)

OTHER AGENCY INVOLVEMENT:

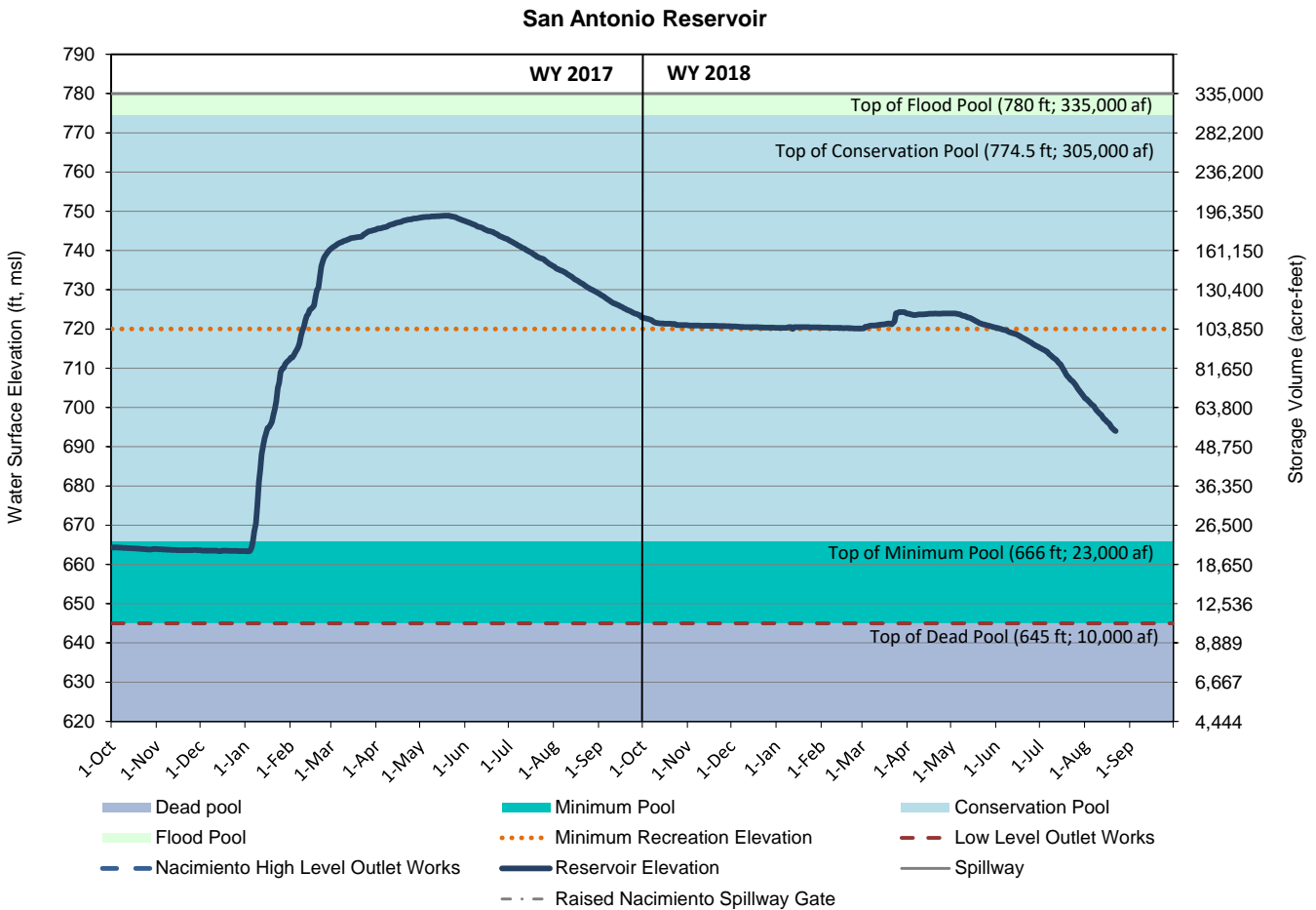
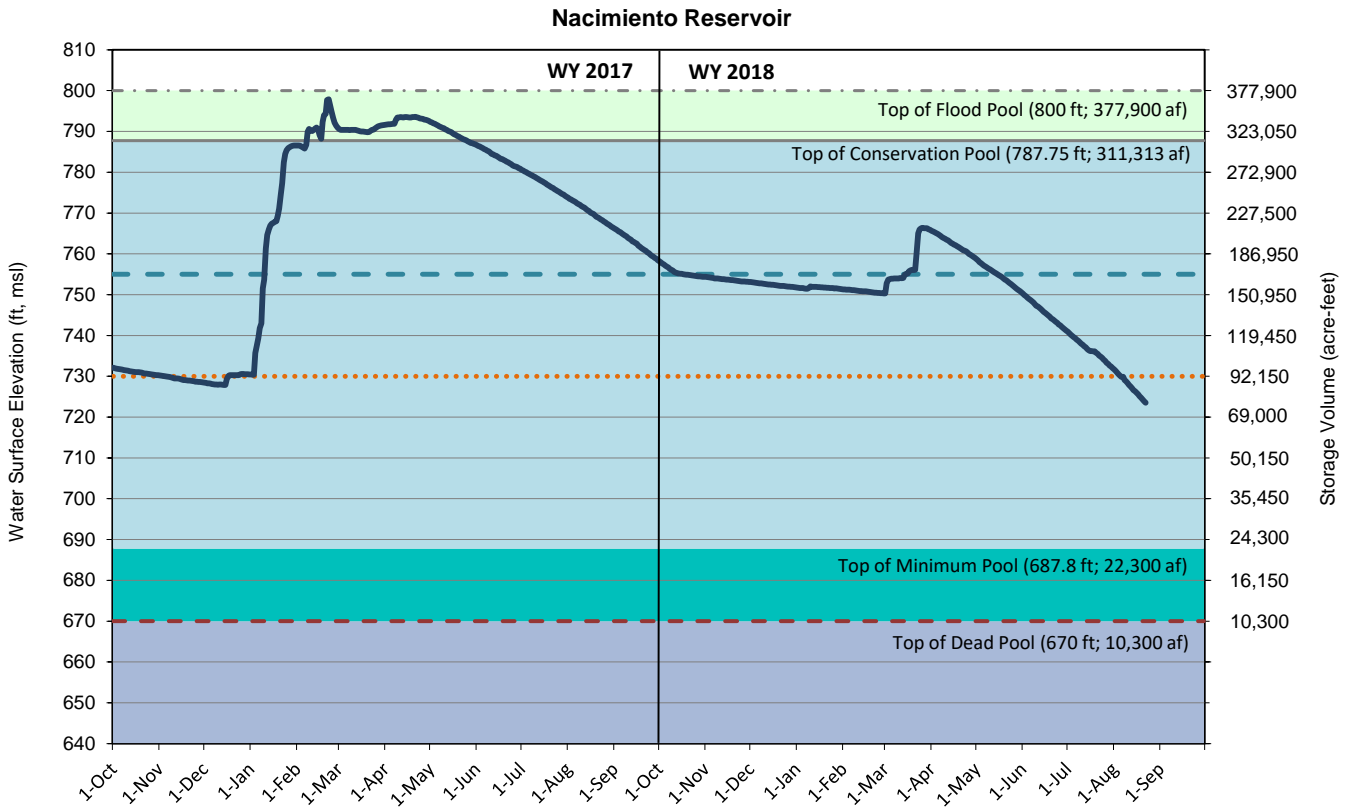
None

FINANCING:

None

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

Reservoir Elevation and Storage



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

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

8/22/2018

	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	393	60	3,689	484	275	155,435	751.3	254	10	615	104,708	720.4
3/1/2018	70	3,888	507	60	3,332	701	345	151,985	750.3	311	10	555	104,095	720.1
4/1/2018	233	14,303	641	162	9,977	972	504	209,250	765.7	461	70	4,326	113,645	723.9
5/1/2018	534	31,770	1,086	487	28,993	947	539	181,975	758.7	853	47	2,777	113,773	724.0
6/1/2018	584	35,923	1,315	439	26,997	1,661	646	151,813	750.3	1,080	145	8,926	104,585	720.3
7/1/2018	608	36,203	1,771	422	25,111	2,199	714	122,150	740.9	1,411	186	11,092	92,650	715.2
8/1/2018	755	46,424	1,713	371	22,798	2,235	1,091	96,470	731.7	1,314	384	23,625	67,595	702.3
9/1/2018	763	46,888	1,568	436	26,779	1,985		66,614	718.9	987	327	20,109	47,696	689.2
10/1/2018	439	26,143	1,032	260	15,451	1,899		48,266	708.9	573	180	10,691	36,372	680.0
11/1/2018	70	4,304	631	60	3,689	1,674		42,282	705.0	330	10	615	35,346	679.1
12/1/2018	70	4,165	298	60	3,570	1,024		37,395	701.5	171	10	595	34,536	678.3
1/1/2019	70	4,304	173	60	3,689	450		33,085	698.1	107	10	615	33,787	677.6
TOTALS:		258,619	11,127		174,078	16,231	4,115			7,852		84,541		

* 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.