

**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, June 28, 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 May 31, 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, 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 (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**
- 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: 1:30 p.m.
DATE: Thursday, May 31, 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, Ekelund, Dupree, Scattini, Baillie, Jefferson, Eric Morgan, Lipe, Sandoval, Munds, Bullard and Simis
Members absent: Anthony and Pearcy
Arrived Late: Jefferson arrived at 1:33 p.m. and Scattini arrived at 1:51 p.m.

- 2. Public Comment: None.**

- 3. Approve the Minutes of the Reservoir Operations Advisory Committee Meeting held on April 26, 2018**

Committee Action: On Motion and Second by Baillie and Ekelund respectively, the Committee approved the Minutes of the Reservoir Operations Committee meeting held on April 26, 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: Bill Stevens

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

Germán Criollo, Associate Hydrologist, gave a verbal update on the release schedule for 2018.

- 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**
Brent Buche, Deputy General Manager, reported on Operations and Maintenance activities at the Reservoirs.
- 8. Report regarding Interlake Tunnel Project**
David Chardavoyne, General Manager, reported on the Interlake Tunnel Project.
- 9. Status reports on:**
 - A. Lake Recreation by Concessionaire and Parks Department**
Mark Sandoval 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.
 - E. National Marine Fisheries Service**
Bill Stevens reported on this item.
- 10. Set next meeting date and discuss future Agenda items**
The next meeting is scheduled for 6/28/2018 at 1:30 p.m.
- 11. The meeting adjourned at 2:48 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 June 20, 2018, San Antonio Reservoir is at an elevation of approximately 717.55 feet mean sea level (msl), 98,015 acre-feet of storage. Nacimiento Reservoir is at elevation 744.2 feet msl, 132,210 acre-feet of storage. San Antonio Reservoir is currently at 29% of storage capacity and Nacimiento Reservoir is at 31% of capacity.

RESERVOIR RELEASES: Conservation releases are being made from both reservoirs for groundwater recharge and operation of the Salinas River Diversion Facility 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 June 20, 2018:

- Nacimiento Reservoir: 420 cfs
- San Antonio Reservoir: 230 cfs

Total releases from both reservoirs to the Salinas River are approximately 650 cfs. The following “provisional” flows have been recorded by the USGS:

- Salinas River near Bradley: 620 cfs
- Salinas River at Soledad: 308 cfs
- Salinas River near Chualar: 95 cfs
- Salinas River near Spreckels: 31 cfs

OTHER AGENCY INVOLVEMENT:

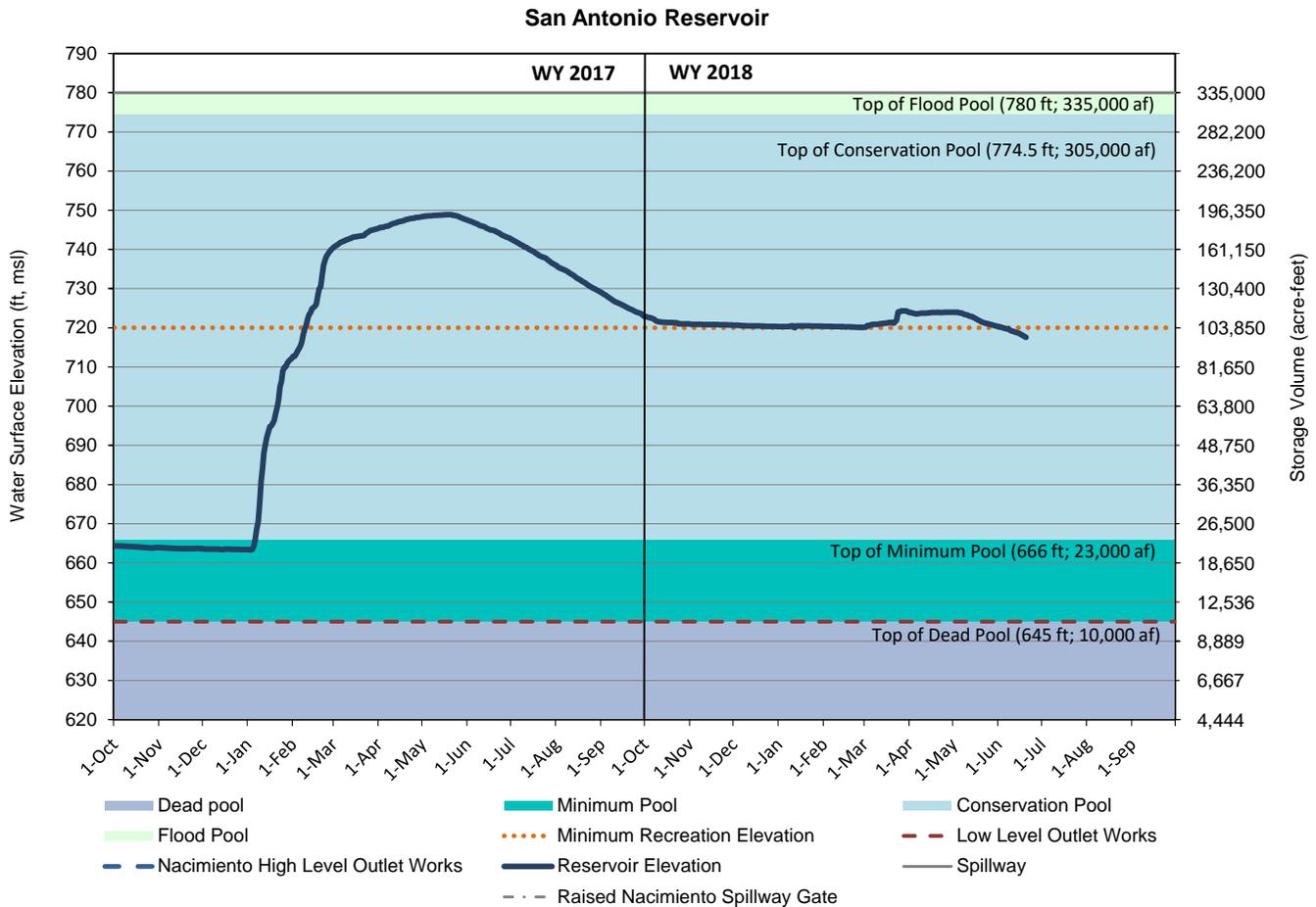
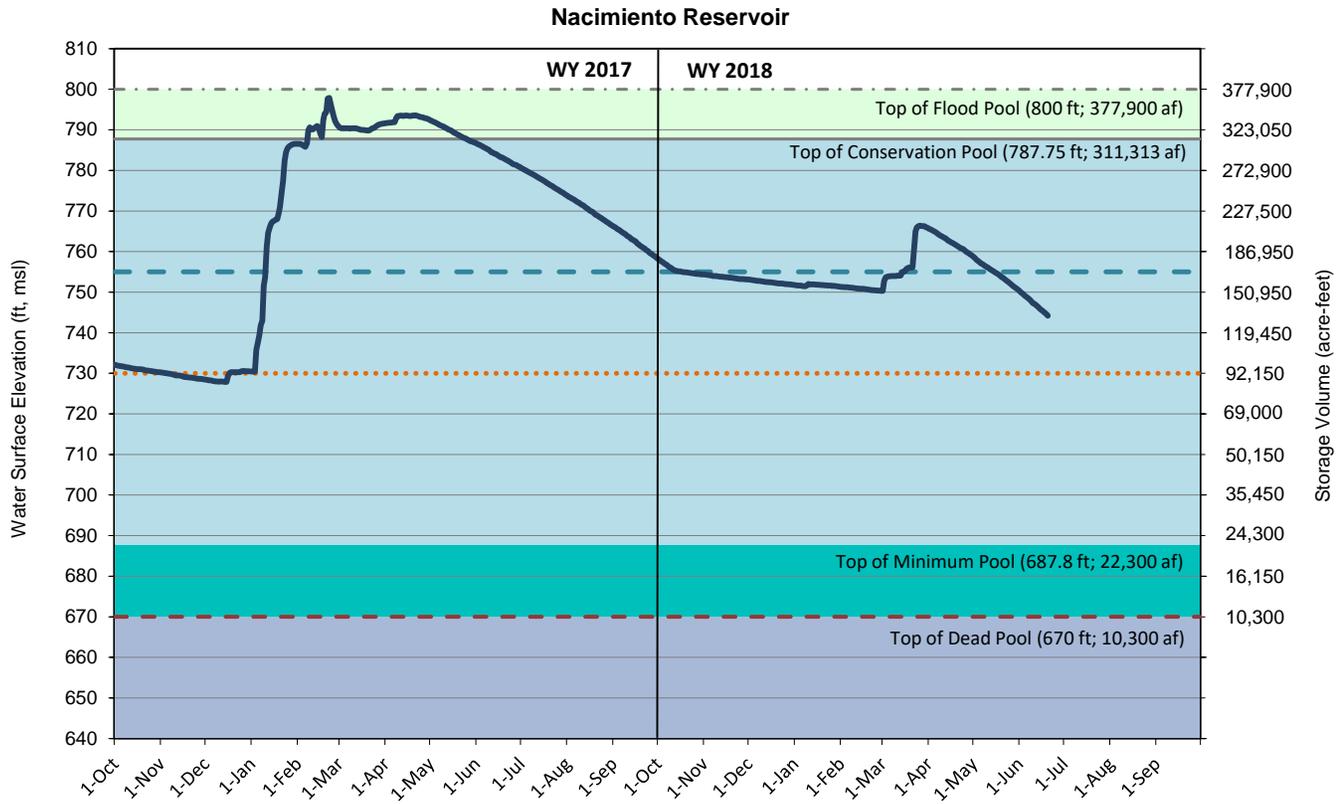
None

FINANCING:

None

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

Reservoir Elevation and Storage



- Dead pool
 - 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 June 1st

6/20/2018

	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	1,664	439	26,997	1,661	646	181,975	758.7	1,207	145	8,926	113,773	724.0
6/1/2018	633	37,643	2,056	413	24,595	2,199		151,813	750.3	1,456	219	13,047	104,585	720.3
7/1/2018	769	47,257	1,950	345	21,223	2,235		121,872	740.8	1,228	423	26,033	90,043	714.0
8/1/2018	792	48,715	1,608	392	24,119	1,985		96,490	731.7	817	400	24,595	62,691	699.3
9/1/2018	459	27,313	1,118	222	13,190	1,899		68,813	719.9	435	237	14,123	37,194	680.7
10/1/2018	70	4,304	738	60	3,689	1,674		52,672	711.4	286	10	615	22,590	665.3
11/1/2018	70	4,165	356	60	3,570	1,024		46,642	707.8	149	10	595	21,686	664.1
12/1/2018	70	4,304	209	60	3,689	450		41,731	704.6	93	10	615	20,940	663.1
1/1/2019								37,408	701.5				20,232	662.2
TOTALS:		263,889	12,325		167,066	16,231	2,310			7,551		96,823		

* 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.