

**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, September 27, 2018  
**PLACE:** Monterey County Water Resources Agency  
Saffron Conference Room (1<sup>st</sup> 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 August 30, 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 National Marine Fisheries Service (NMFS) proposal to make winter reservoir releases for improving steelhead migration conditions**  
Staff will provide an update on the proposal from NFMS to make winter reservoir releases for improving steelhead migration conditions as part of the ongoing re-initiation process of the Biological Opinion for the Salinas Valley Water Project.
- 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**

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Matthew Simis

**TIME:** 1:30 p.m.  
**DATE:** Thursday, August 30, 2018  
**PLACE:** 1441 Schilling Place, Saffron Room (1<sup>st</sup> Floor)  
Salinas, CA 93901

**MINUTES**

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

**Members present:** Ortiz, Ekelund, Baillie, Jefferson, Morgan, Lipe, Ogren (via telephone for Munds), Capps (for Bullard), Pearcy and Simis  
**Members absent:** Dupree, Anthony and Merkle

2. **Public Comment: None**

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

**Committee Action: On Motion and Second by Baillie and Jefferson respectively, the Committee approved the Minutes of the Reservoir Operations Committee meeting held on July 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.

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

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

Public Comment: Jeff Taylor, Nancy Isakson

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 this item.

**8. Report regarding Interlake Tunnel Project**

David Chardavoine, General Manager, reported via telephone on the Interlake Tunnel Project.

Public Comment: Nancy Isakson, Jeff Taylor

**9. Status reports on:**

**A. Lake recreation by Concessionaire and Parks Department**

None

**B. Easements and Agency Leases**

Brent Buche reported on this item

**C. Quagga / Zebra Mussel Plan**

None

**D. San Luis Obispo County Activities**

Jill Ogren reported on this item.

**E. National Marine Fisheries Service**

Bill Stephens reported on this item.

**F. Salinas River Stream Maintenance Program**

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

Public Comment: Jeff Taylor

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

The next meeting is scheduled for September 27, 2018 at 1:30 p.m. Schedule Dam Tour for the October meeting.

**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 September 20, 2018, San Antonio Reservoir is at an elevation of approximately 685.2 feet mean sea level (msl), 42,500 acre-feet of storage. Nacimiento Reservoir is at elevation 712.05 feet msl, 53,738 acre-feet of storage. San Antonio Reservoir is currently at 13% of storage capacity and Nacimiento Reservoir is at 14% of capacity.

**RESERVOIR RELEASES:** Due to low water levels in both reservoirs and decreasing demand for water at the Salinas River Diversion Facility, the Agency ceased making conservation releases in September. Releases were stepped down between Wednesday September 12<sup>th</sup> and Friday September 14<sup>th</sup> to minimum fisheries flows of 60 cfs from Nacimiento and 10 cfs from San Antonio. On September 18<sup>th</sup> a valve malfunction at San Antonio Reservoir restricted releases to a bypass outlet at the current rate of 3 cfs.

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 September 20, 2018:

- Nacimiento Reservoir: 60 cfs
- San Antonio Reservoir: 3 cfs

Total releases from both reservoirs to the Salinas River are approximately 63 cfs. The following “provisional” flows have been recorded by the USGS:

- Salinas River near Bradley: 128 cfs (decreasing)
- Salinas River at Soledad: 44 cfs (decreasing)
- Salinas River near Chualar: 0 cfs
- Salinas River near Spreckels: 0 cfs

### OTHER AGENCY INVOLVEMENT:

None

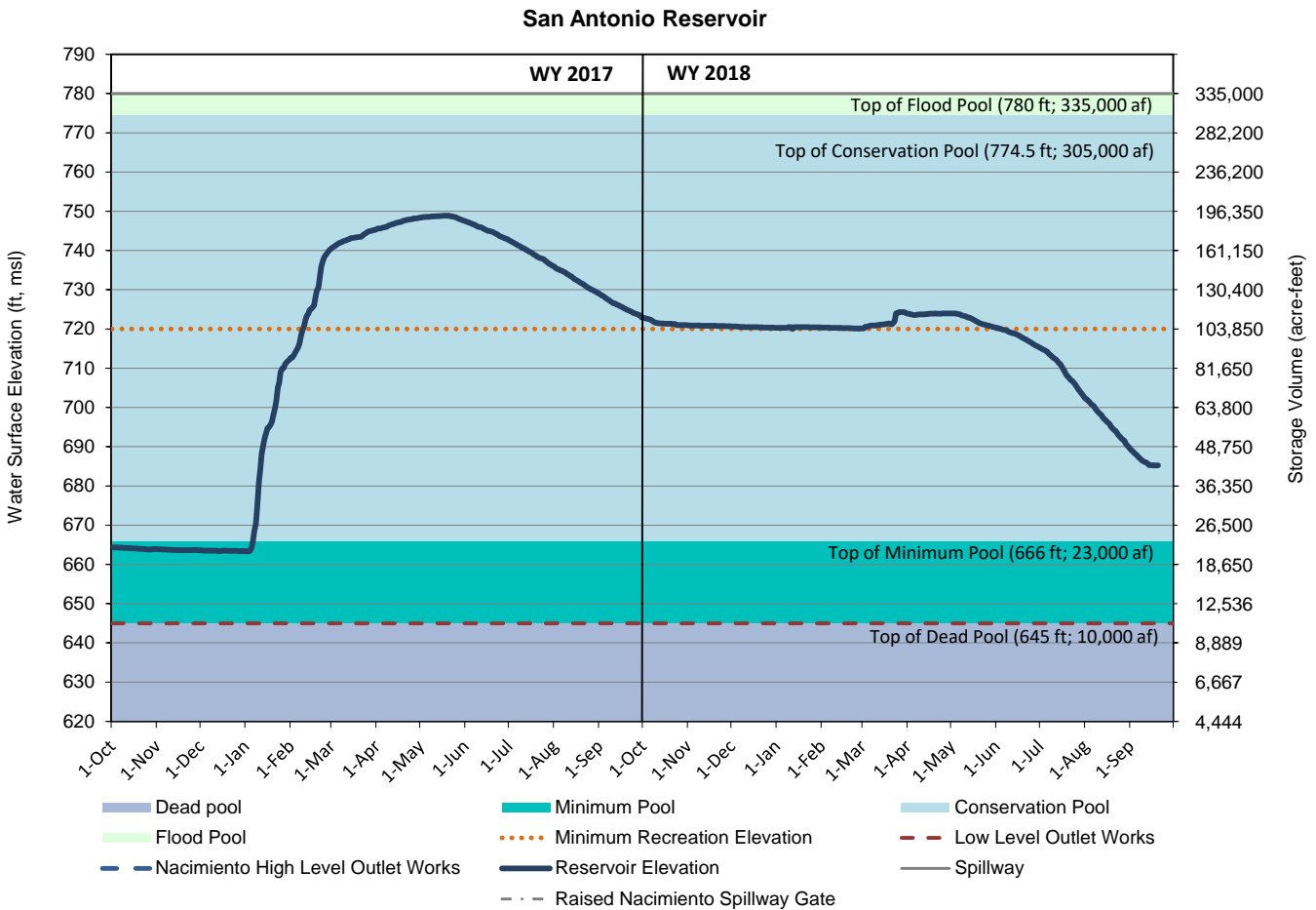
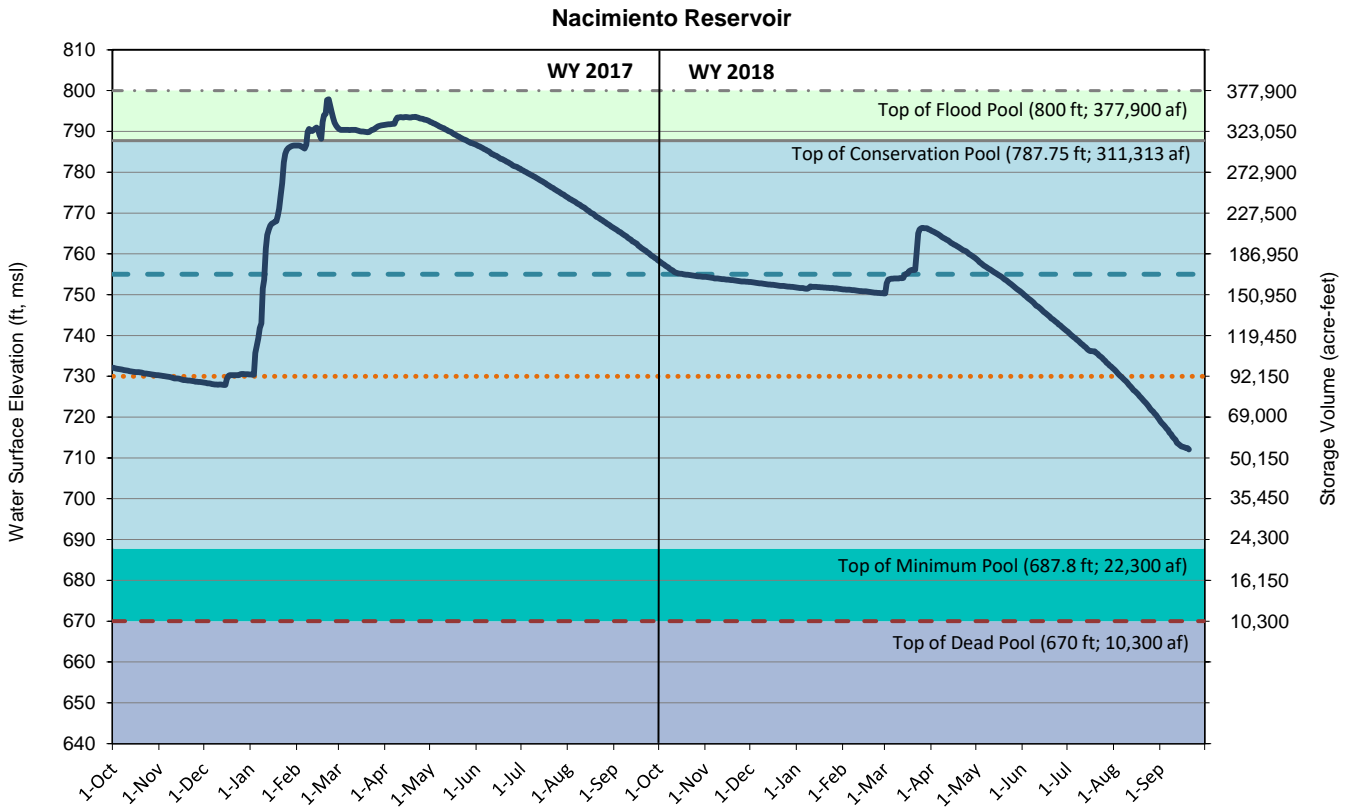
### FINANCING:

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
  - Low Level Outlet Works
  - Raised Nacimiento Spillway Gate
- Conservation Pool
  - Reservoir Elevation
  - Spillway

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

9/20/2018

	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)
<b>1/1/2018</b>								<b>156,988</b>	<b>751.8</b>				<b>104,585</b>	<b>720.3</b>
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	755	46,422	1,372	436	26,779	1,985	1,114	66,695	718.9	930	319	19,643	47,910	689.4
10/1/2018	320	19,018	1,025	224	13,315	1,899		51,417	710.7	675	96	5,703	42,084	684.9
11/1/2018	70	4,304	654	60	3,689	1,674		45,399	707.0	458	10	615	41,011	684.0
12/1/2018	70	4,165	310	60	3,570	1,024		40,496	703.7	241	10	595	40,176	683.3
1/1/2019	70	4,304	180	60	3,689	450		36,176	700.6	151	10	615	39,410	682.7
<b>TOTALS:</b>		<b>251,028</b>	<b>10,967</b>		<b>171,942</b>	<b>16,231</b>	<b>5,229</b>			<b>8,139</b>		<b>79,086</b>		

\* 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.