

**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 Pearcey
Matthew Simis

NOTE: Date, Time and Place of Meeting has changed, see attached sheet for directions

Car Pool from Agency Office (1441 Schilling Place, Salinas) will leave at 8:15 AM, Thursday October 25th.
Committee Members – please call Germán Criollo at (831) 755-4860 by Noon on Tuesday, October 23rd to
RSVP a seat in the car pool.

RESERVOIR OPERATIONS COMMITTEE MEETING

TIME: 10:00 AM
DATE: Thursday, October 25, 2018
PLACE: Heritage Ranch Community Service District Board Chambers
4870 Heritage Ranch Road. Paso Robles, CA 93446

TOUR FOLLOWING MEETING

Committee members will tour the Heritage Ranch Community Service District water treatment plant and various parts of Nacimiento and San Antonio dams.

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 September 27, 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. **Receive an update on staff discussions with the National Marine Fisheries Service (NMFS) regarding re-initiation of the Biological Opinion for the Salinas Valley Water Project.**
Staff will present a verbal report regarding discussions with NMFS regarding re-initiation 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**
10. **Set next meeting date and discuss future Agenda items**
The Committee will discuss and determine details for its next meeting.
11. **Adjournment**

Directions from 1441 Schilling Place , Salinas to Heritage Ranch Community Services District Office

- Get on US-101 S from Schilling Pl, Hansen St and Airport Blvd 0.8 miles
 - Follow US-101 S to Jolon Rd. Take exit 252 from US-101 S 73.9 miles
 - Take Nacimiento Lake Dr to Heritage Rd in Lake Nacimiento 15.2 miles
-
- Estimated Driving Time: 1 hr 31 min.

4870 Heritage Rd . Paso Robles, CA 93446



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Matthew Simis

TIME: 1:30 p.m.
DATE: Thursday, September 27, 2018
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 (arrived at 1:36), Ekelund, Dupree, Baillie, Lipe, Merkle, Munds and Simis (arrived at 1:33)

Members absent: Jefferson, Anthony, Bullard and Piearcy

2. **Public Comment:** None

3. **Approve the Minutes of the Reservoir Operations Advisory Committee Meeting held on August 30, 2018**

Committee Action: On Motion and Second by Baillie and Dupree respectively, the Committee approved the Minutes of the Reservoir Operations Committee meeting held on August 30, 2018.

4. **Review the status of both reservoirs and current releases, and current releases.**

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

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

Jason Demers, Hydrologist, presented the 2018 release schedule.

6. **Report regarding the National Marine Fisheries Service (NMFS) proposal to make winter reservoir releases for improving steelhead migration conditions**

Howard Franklin and Elizabeth Krafft provided 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**
Brent Buche, Deputy General Manager, reported on this item.
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**
Nathan Merkle 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 Stephens reported on this item.
 - 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 October 25, 2018 at 10:00 a.m. Vehicles will leave Salinas at around 8:00 a.m.
11. **The meeting adjourned at 2:52 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 October 19, 2018, San Antonio Reservoir has a water surface elevation of approximately 684.95 feet mean sea level (msl), 42,188 acre-feet of storage. Nacimiento Reservoir has a water surface elevation of approximately 707.9 feet msl, 46,745 acre-feet of storage. San Antonio Reservoir is currently at 13% of storage capacity and Nacimiento Reservoir is at 12% of capacity.

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.

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 October 19, 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: 91 cfs (steady)
- Salinas River at Soledad: 0 cfs
- Salinas River near Chualar: 0 cfs
- Salinas River near Spreckels: 0 cfs

OTHER AGENCY INVOLVEMENT:

None

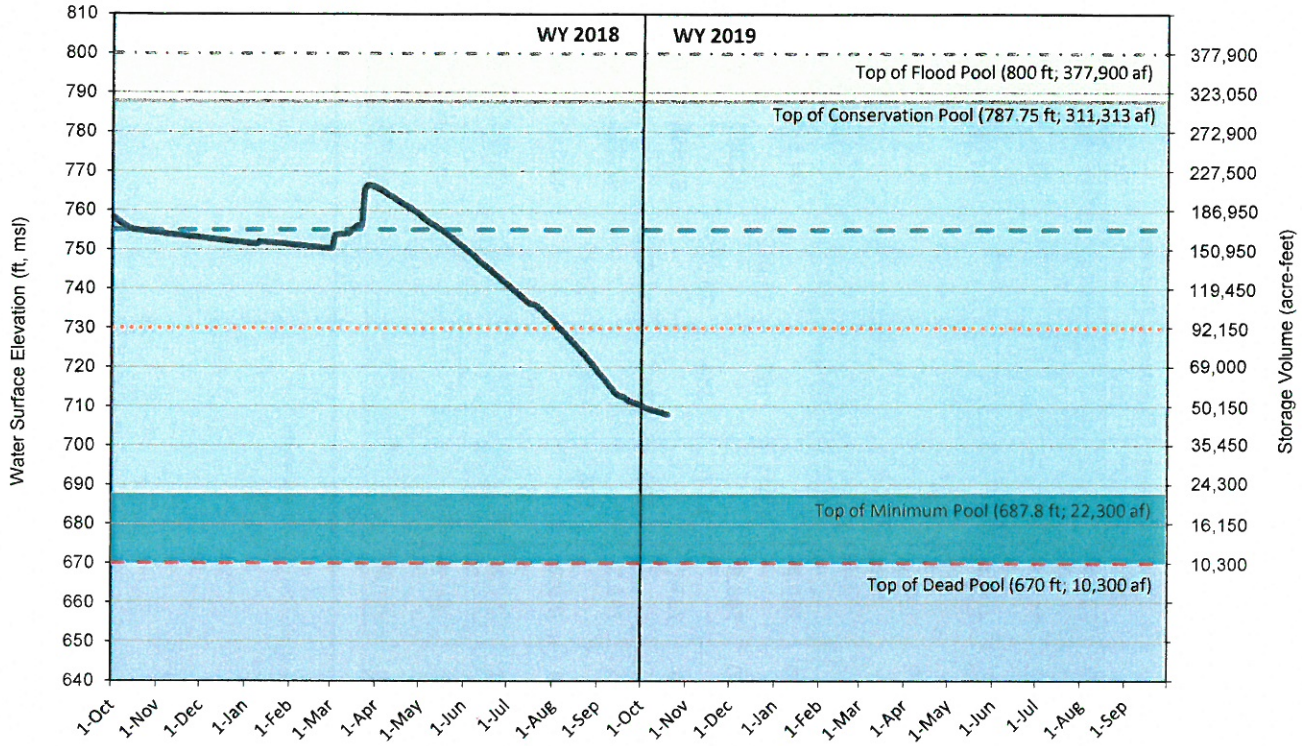
FINANCING:

None

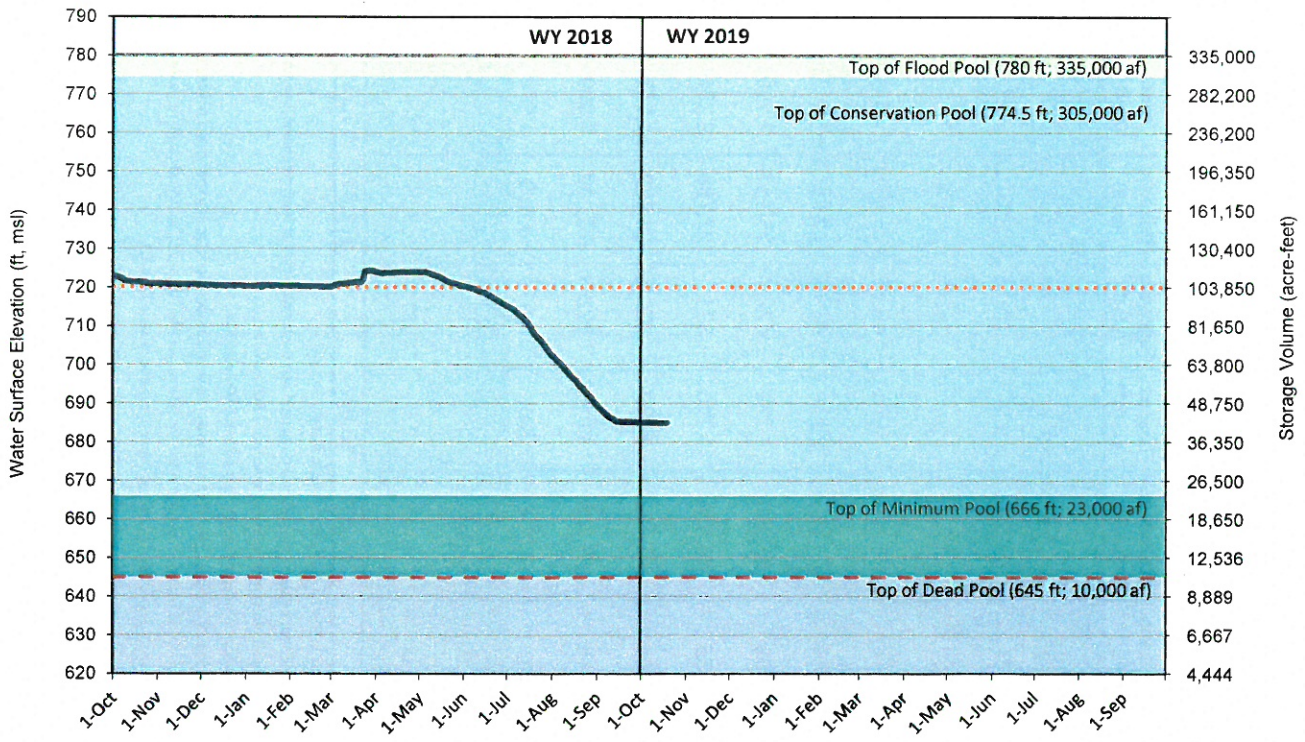
Prepared by: Germán Criollo, Associate Hydrologist, (831) 755-4860
Jason Demers, Hydrologist, (831) 755-4860

Reservoir Elevation and Storage

Nacimiento Reservoir



San Antonio Reservoir



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

10/19/2018

	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	1,315	439	26,997	1,661	646	181,975	758.7	1,080	145	8,926	113,773	724.0	
6/1/2018	608	36,203	1,771	422	25,111	2,199	714	151,813	750.3	1,411	186	11,092	104,585	720.3	
7/1/2018	755	46,424	1,713	371	22,798	2,235	1,091	122,150	740.9	1,314	384	23,625	92,650	715.2	
8/1/2018	755	46,422	1,372	436	26,779	1,985	1,114	96,470	731.7	930	319	19,643	67,595	702.3	
9/1/2018	316	18,829	1,013	222	13,210	1,899	483	66,695	718.9	638	94	5,619	47,910	689.4	
10/1/2018	70	4,304	642	60	3,689	1,674		50,500	710.2	462	10	615	42,312	685.1	
11/1/2018	70	4,165	304	60	3,570	1,024		44,281	706.3	243	10	595	41,772	684.6	
12/1/2018	70	4,304	177	60	3,689	450		39,384	702.9	152	10	615	40,933	683.9	
1/1/2019								35,068	699.7				40,165	683.3	
TOTALS:		250,839	10,933	171,837	16,231	5,712	8,109	79,003							

* 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.

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.

NOTES:

Agenda Item #6

Receive an update on staff discussions with the National Marine Fisheries Service (NMFS) regarding re-initiation of the Biological Opinion for the Salinas Valley Water Project

RECOMMENDATION:

It is recommended that the Monterey County Water Resources Agency Reservoir Operations Advisory Committee:

Receive an update on staff discussions with the National Marine Fisheries Service regarding re-initiation of the Biological Opinion for the Salinas Valley Water Project.

SUMMARY/DISCUSSION:

On August 5, 2016, the Army Corps of Engineers re-initiated consultation between the Monterey County Water Resources Agency and the NMFS on the Biological Opinion for the Salinas Valley Water Project. Discussions have primarily focused on providing passage opportunities in the Salinas River for South-Central California Coast steelhead during periods of consecutive dry winters. Steelhead are designated as threatened under the Endangered Species Act of 1973 and the Salinas, Nacimiento and San Antonio Rivers are identified as critical habitat for the species.

COMMITTEE / BOD ACTION:

The Reservoir Operations Advisory Committee received an update on September 27, 2018.
The Basin Management Advisory Committee received an update on October 3, 2018.
The Monterey County Water Resources Agency Board of Directors received an update on October 15, 2018.

OTHER AGENCY INVOLVEMENT:

None

FINANCING:

There is no financial impact to receive this report.

Prepared by: Howard Franklin, Senior Hydrologist, (831) 755-4860
 Elizabeth Krafft, Senior Hydrologist, (831) 755-4860

