

**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
Nathan Merkle
Ron Munds
Don Bullard
Kevin Piearcy
Matthew Simis

TIME: 1:30 p.m.
DATE: Thursday, July 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 June 28, 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**
Chris Moss, Senior Water Resources Engineer, will provide a presentation on the condition of Nacimiento Dam Spillway and San Antonio Dam Spillway. Condition Assessments were made of both spillways, and reports have been submitted to the Calif. Dept. of Water Resources, Division of Safety of Dams (DSOD) and the Federal Energy Regulatory Commission (FERC). Repairs have been completed at both spillways, and additional repair work and investigation is needed at both spillways. Recommendations from the Spillway Condition Assessment Reports will be presented along with plans to address each recommendation.
- 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**

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

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

TIME: 1:30 p.m.
DATE: Thursday, June 28, 2018
PLACE: 1441 Schilling Place, Saffron Room (1st Floor)
Salinas, CA 93901

MINUTES

1. **Call to Order at 1:32 p.m. A quorum was established.**

Members present: Ortiz, Ekelund, Dupree, Baillie, Jefferson, Anthony, Sandoval, Munds, Bullard, Pearcy and Simis

Members absent: Scattini, Morgan and Lipe

2. **Public Comment:** Joanne Nissen

3. **Approve the Minutes of the Reservoir Operations Advisory Committee Meeting held on May 31, 2018**

Committee Action: On Motion and Second by Baillie and Sandoval respectively, the Committee approved the Minutes of the Reservoir Operations Committee meeting held on May 31, 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: Joanne Nissen; Tracy Roberts submitted a letter from D'Arrigo Bros Company of California, to be included as part of the minutes.

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

Jason Demers, Hydrologist, presented on 2018 release schedule.

- 6. Report regarding the update of the Operation Policy Manual for San Antonio Dam**
Brent Buche, Deputy General Manager, reported on the Operation Policy Manual for San Antonio Dam.
- 7. Report regarding Operations and Maintenance activities at the Reservoirs**
Brent Buche, reported on Operations and Maintenance activities at the Reservoirs.

Public Comment: Jeff Taylor
- 8. Report regarding Interlake Tunnel Project**
Brent Buche, reported on the Interlake Tunnel Project.
- 9. Status reports on:**
 - A. Lake recreation by Concessionaire and Parks Department**
Mark Sandoval and Jon Anthony reported on this item.
Public Comment: Jeff Taylor
 - B. Easements and Agency Leases**
Brent Buche reported on this item.
Public Comment: Jeff Taylor
 - C. Quagga / Zebra Mussel Plan**
Ron Munds and Don Bullard 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 set for July 26, 2018. The future Agenda item will include the letter received from D'Arrigo Bros Company of California.
- 11. The meeting adjourned at 2:22 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 July 18, 2018, San Antonio Reservoir is at an elevation of approximately 709.1 feet mean sea level (msl), 79,850 acre-feet of storage. Nacimiento Reservoir is at elevation 736.1 feet msl, 108,275 acre-feet of storage. San Antonio Reservoir is currently at 24% of storage capacity and Nacimiento Reservoir is at 29% 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.

Installation of the low head runner Nacimiento Dam began Monday July 16th. To ensure safe working conditions, releases from Nacimiento Dam were reduced to 60 cfs. During this time, additional releases are being made from San Antonio Reservoir to maintain Salinas River flows and continued operation of the SRDF.

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 July 18, 2018:

- Nacimiento Reservoir: 60 cfs
- San Antonio Reservoir: 720 cfs

Total releases from both reservoirs to the Salinas River are approximately 780 cfs. The following “provisional” flows have been recorded by the USGS:

- Salinas River near Bradley: 788 cfs (decreasing)
- Salinas River at Soledad: 424 cfs (decreasing)
- Salinas River near Chualar: 209 cfs (increasing)
- Salinas River near Spreckels: 35 cfs (increasing)

OTHER AGENCY INVOLVEMENT:

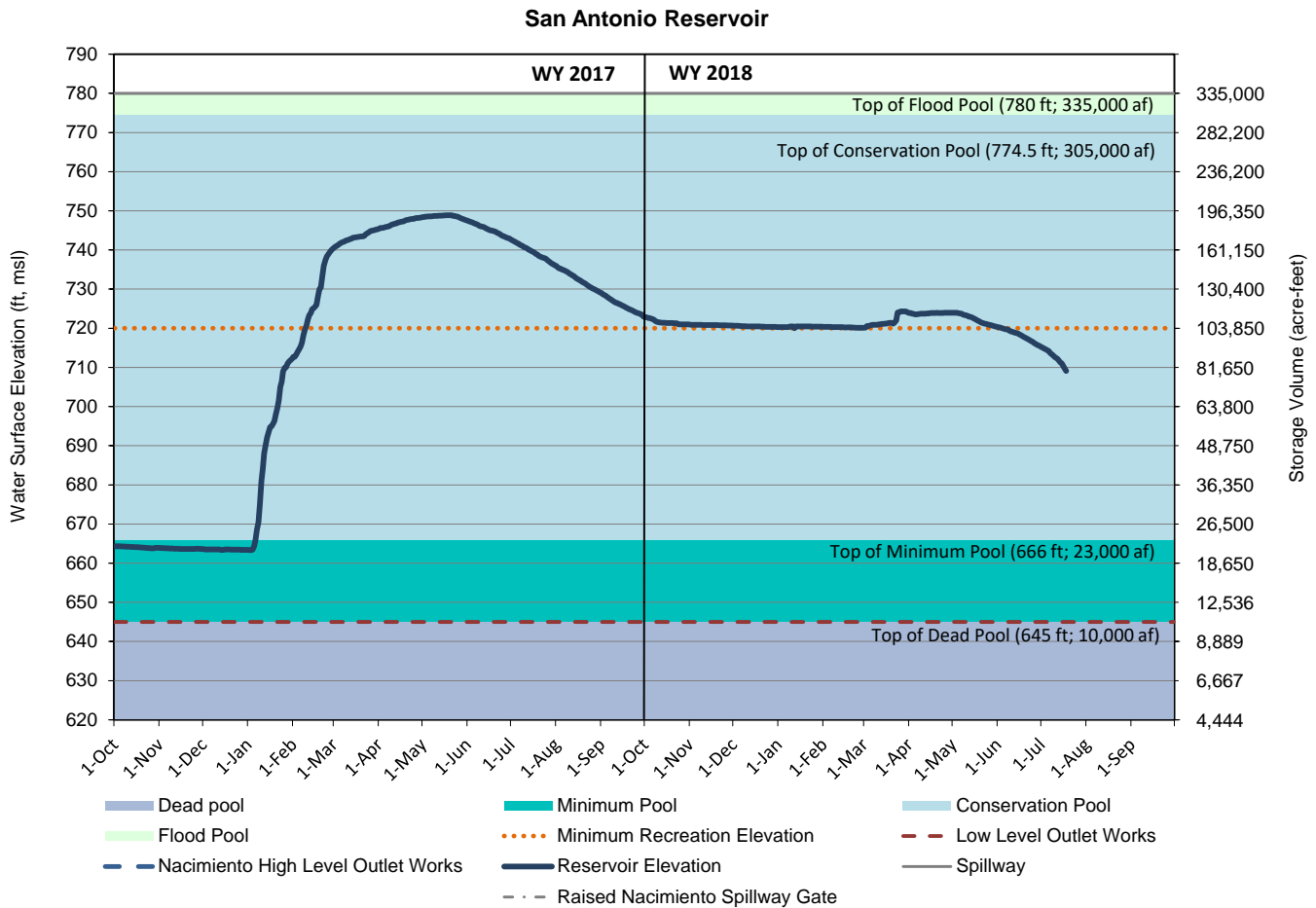
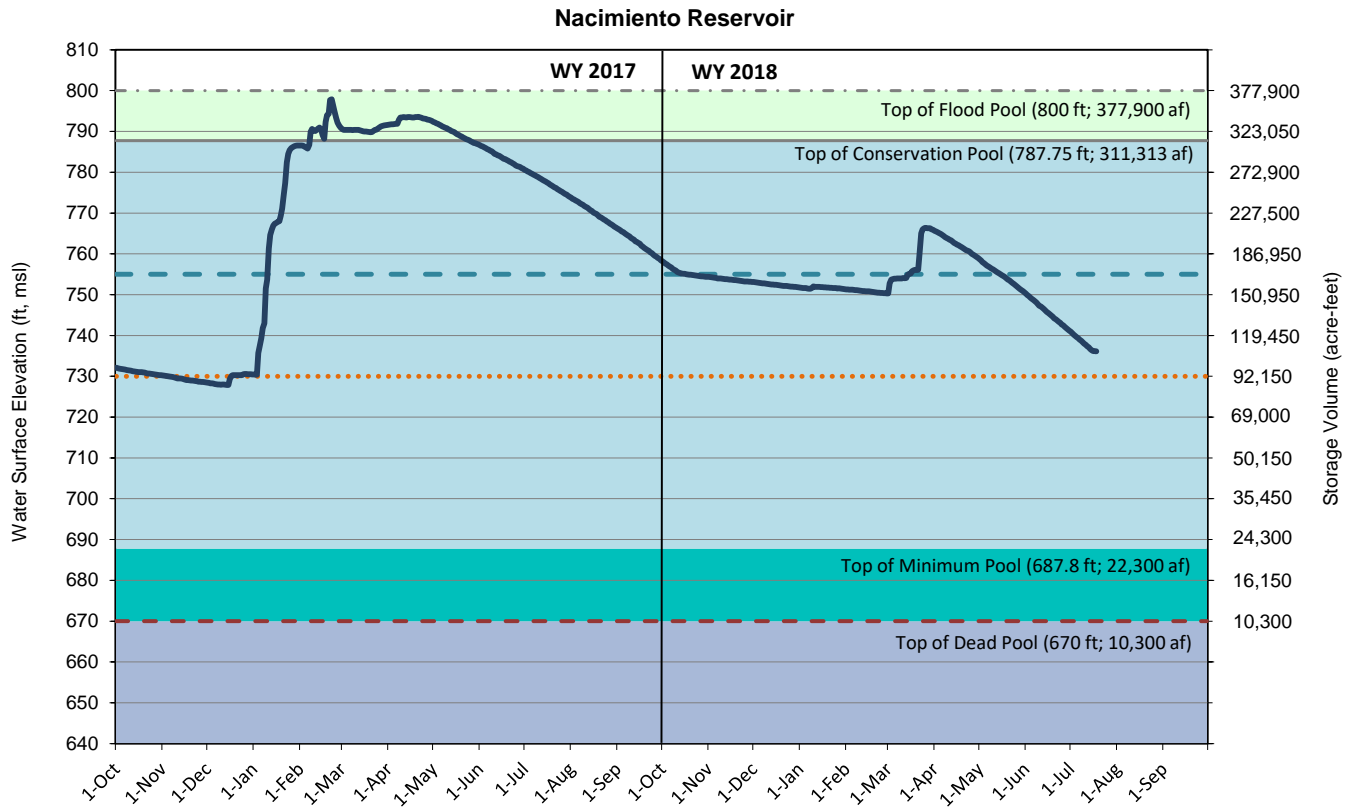
None

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

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

7/18/2018

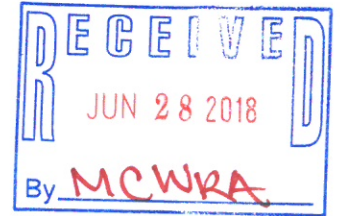
	NACIMIENTO									SAN ANTONIO				
	Combined Releases (cfs)*	Combined Releases (ac-ft)	Evap. Losses (ac-ft)**	Reservoir Releases (cfs)*	Reservoir Releases (ac-ft)	NWP Orders (ac-ft)	NWP Diversions (ac-ft)	Storage (ac-ft)	Elev. (ft)	Evap. Losses (ac-ft)**	Reservoir Releases (cfs)*	Reservoir Releases (ac-ft)	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	166	10,183	641	95	5,857	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	756	46,503	1,932	358	22,035	2,235		97,343	732.0	1,373	398	24,468	66,801	701.8
9/1/2018	792	48,715	1,582	392	24,119	1,985		69,657	720.3	949	400	24,595	41,257	684.2
10/1/2018	571	33,958	1,053	268	15,967	1,899		50,739	710.3	521	302	17,990	22,748	665.5
11/1/2018	70	4,304	653	60	3,689	1,674		44,728	706.6	296	10	615	21,843	664.3
12/1/2018	70	4,165	309	60	3,570	1,024		39,829	703.2	155	10	595	21,096	663.3
1/1/2019	70	4,304	180	60	3,689	450		35,512	700.0	97	10	615	20,387	662.4
TOTALS:		264,220	11,422		167,050	16,231	3,024			7,761		97,170		

* 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.



June 27, 2018

TO: Reservoir Operations Advisory Committee, of the
Monterey County Water Resources Agency

SUBJECT: Request to Pause/Reduce Releases for
Salinas River Stream Maintenance Program annually
for September 1 – November 15th

Dear Committee Members,

I write this letter in an appeal to the Reservoir Operations Committee to annually consider the needs of the *Salinas River Stream Maintenance Program* in setting the reservoir release schedule each year.

This landowner-directed, federal, state and local agency permitted Program allows maintenance activities only in designated areas along the river and its tributaries and most only during the permit period from September 1 – November 15.

The objectives of the Program complement those of this Committee:

- to maximize recharge of the aquifers during seasonal flows;
- allow for flood releases without damage to human health, safety and property; and
- avoid negative environmental impacts to wildlife habitat.

Our maintenance activities include but are not limited to:

- removal of invasive, non-native vegetation such as giant bamboo which can use up 10,000+ acre feet of water each year;
- removal of debris and prevention of debris entrapment that can erode banks and fill channels with sediment and more invasive vegetation;
- work in designated locations that will encourage river flows along paths of lesser resistance and least damage to property, human health & safety, and wildlife habitat.

By September 1st each year, landowners and agricultural operators, from San Ardo to Spreckels, and along Gonzales Slough, Bryant Canyon Channel, and San Lorenzo Creek in King City have already spent significant time and effort just preparing to conduct maintenance activities under this Program. We then await specific authorization to proceed from the state Department of Fish & Wildlife. In 2016, D'Arrigo Brothers Company did not receive this final authorization for one of our maintenance areas until October 31st leaving just two weeks to work with our neighbors and get the work done. *This type of delay makes having a predictably dry river channel even more crucial.*

If the river channel is still wet at any time between September 1 – November 15, all plans to enter the river channel to transport equipment or cross over to do work must be abandoned.

After so many years of butting heads with certain agency representatives (not our Water Agency), we are finally able to use the kind of equipment that can make this work efficient and effective *if done to plan and on a regular schedule*.

Therefore, at a minimum, we are requesting is that this Committee annually consider the needs of the Salinas River Stream Maintenance Program in setting the reservoir release schedule.

Specifically, we respectfully suggest the inclusion of this item in two places in your Committee materials to ensure that it is considered:

- Add to the “NOTES” below the published reservoir release schedule;

“Reservoir Operations Committee may pause/reduce releases to allow channel access under permit to participants in the Salinas River Stream Maintenance Program”

- Add “*Salinas River Stream Maintenance Program*” to Status Reports on your regular Committee Agenda and invite a Program Representative as needed.

Thank you for your consideration.

Sincerely,



Stephen deLorimier, VP Operations
D'Arrigo Brothers Company of California