

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

COMMITTEE MEMBERS

David Hart, Chair
Richard Ortiz
Ken Ekelund
Glen Dupree
John Baillie
Benny Jefferson
Michael Tozzi

Kevin Pearcy
Eric Morgan
Bill Lipe
Mark Sandoval
Dean Benedix
Mark Nielsen
Matthew Simis

NOTE: Place of meeting has changed due to Agency's move to Schilling Place

TIME: 1:30 p.m.
DATE: Thursday, September 28, 2017
PLACE: Monterey County Water Resources Agency
Thyme Conference Room
1441 Schilling Place
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 31, 2017**
The Committee will consider approval of the minutes of the above-mentioned meetings (Attachment 1).
- 4. Review the status of both reservoirs, current releases, and release schedule**
Staff will present a summary of current conditions at both reservoirs, as well as provide a synopsis of release changes that have occurred since the last meeting (Attachments 2, 2a, 3, 3a, 4).

5. **Status of the Operations Policy Manual for San Antonio and Nacimiento Reservoirs**
Staff will report on the work being done to update the operation policies for Nacimiento and San Antonio reservoirs.
6. **Update on re-initiation of the National Marine Fisheries Service (NMFS) Biological Opinion for the Salinas Valley Water Project (SVWP)**
Staff will provide a verbal report about ongoing discussions between the Agency and NMFS regarding the re-initiation of the SVWP Biological Opinion.
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 report on current activities regarding 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. **Cloud Seeding**
 - G. **Legislative items**
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
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TIME: 1:30 PM
DATE: Thursday, August 31, 2017
**PLACE: Monterey County Water Resources Agency
Cayenne Conference Room
1441 Schilling Place
Salinas, CA 93901**

MINUTES

1. **Call to Order at 1:35 P.M. by Chair Dave Hart and a quorum was established.**
Members present: Hart, Ortiz, Ekelund, Dupree, Baillie, Jefferson, Piearcy, Morgan, Lipe, Benedix, Nielsen, and Simis
Members absent: Tozzi, Sandoval

Bill Stevens, NOAA National Marine Fisheries Service (NMFS), participated in the meeting via Conference Call.

2. **Public Comments: Joanne Nissen and Bing Smith**
3. **Approve the Minutes of the Reservoir Operations Advisory Committee Meeting held on July 27, 2017.**

ACTION: On motion and second of Committee members Baillie and Ortiz, the Committee approved the minutes.

VOTE: Motion carried unanimously by those members present.

4. **Discussion of establishment of assessment zones for dam maintenance**
Cathy Paladini Finance Manager II, reported on this item.
5. **Review the status of both reservoirs, current releases, and release schedule**

Jason Demers, Hydrologist, reported on this item.

6. Consider receiving an updated Operation Policy for Nacimiento Dam and make recommendations to staff for moving the document forward

Germán Criollo, Associate Hydrologist, reported. No action taken. Committee would like to receive feedback from stakeholders before taking action 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 Chardavoyne, General Manager, and Brent Buche, Deputy General Manager reported on this item.

9. Status reports on:

A. Lake recreation by Concessionaire and Parks Department

No report provided

B. Easement and Agency Leases

Brent Buche reported on this item.

C. Quagga / Zebra Mussel Plan

Elizabeth Krafft, Senior Hydrologist, and Dean Benedix reported on this item.

D. San Luis Obispo County Activities

Dean Benedix reported on this item.

E. National Marine Fisheries Service

Bill Stevens reported on this item.

F. Cloud Seeding

Dean Benedix reported on this item.

G. Legislative items

No report provided.

10. Set next meeting date and discuss future Agenda items

The next meeting is scheduled for Thursday September 28, 2017 at the Agency.

11. Adjournment by Dave Hart at 4:47 P.M.

SUBMITTED BY: TERESA CAMPA

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

MEETING DATE:	September 28, 2017	AGENDA ITEM:
Consent () Action () Information (X)		
DEADLINE FOR BOARD ACTION:	September 28, 2017	

..Title

Reservoir Release Update

..Report

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 21, 2017, San Antonio Reservoir is at an elevation of approximately 724.8 feet mean sea level (msl), 116,020 acre-feet of storage. Nacimiento Reservoir is at elevation 760.95 feet msl, 190,655 acre-feet of storage. San Antonio Reservoir is currently at 35% of storage capacity and Nacimiento Reservoir is at 50% of capacity.

The Salinas River mouth opened to the ocean on January 12th as a result of sandbar management activities in response to flow from the Arroyo Seco River. As of September 21th the Salinas River lagoon remains open to the ocean.

RESERVOIR RELEASES: Reservoir releases are currently being made for groundwater recharge and to meet Salinas River Diversion Facility (SRDF) pumping demands and bypass requirements 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 September 21, 2017:

- Nacimiento Reservoir: 500 cfs
- San Antonio Reservoir: 225 cfs

Total releases from both reservoirs to the Salinas River are approximately 725 cfs. The following “provisional” flows have been recorded by the USGS:

- Salinas River near Spreckels: 33 cfs (steady)
- Salinas River near Chualar: 118 cfs (steady)
- Salinas River at Soledad: 329 cfs (steady)
- Salinas River near Bradley: 703 cfs (steady)

OTHER AGENCY INVOLVEMENT:

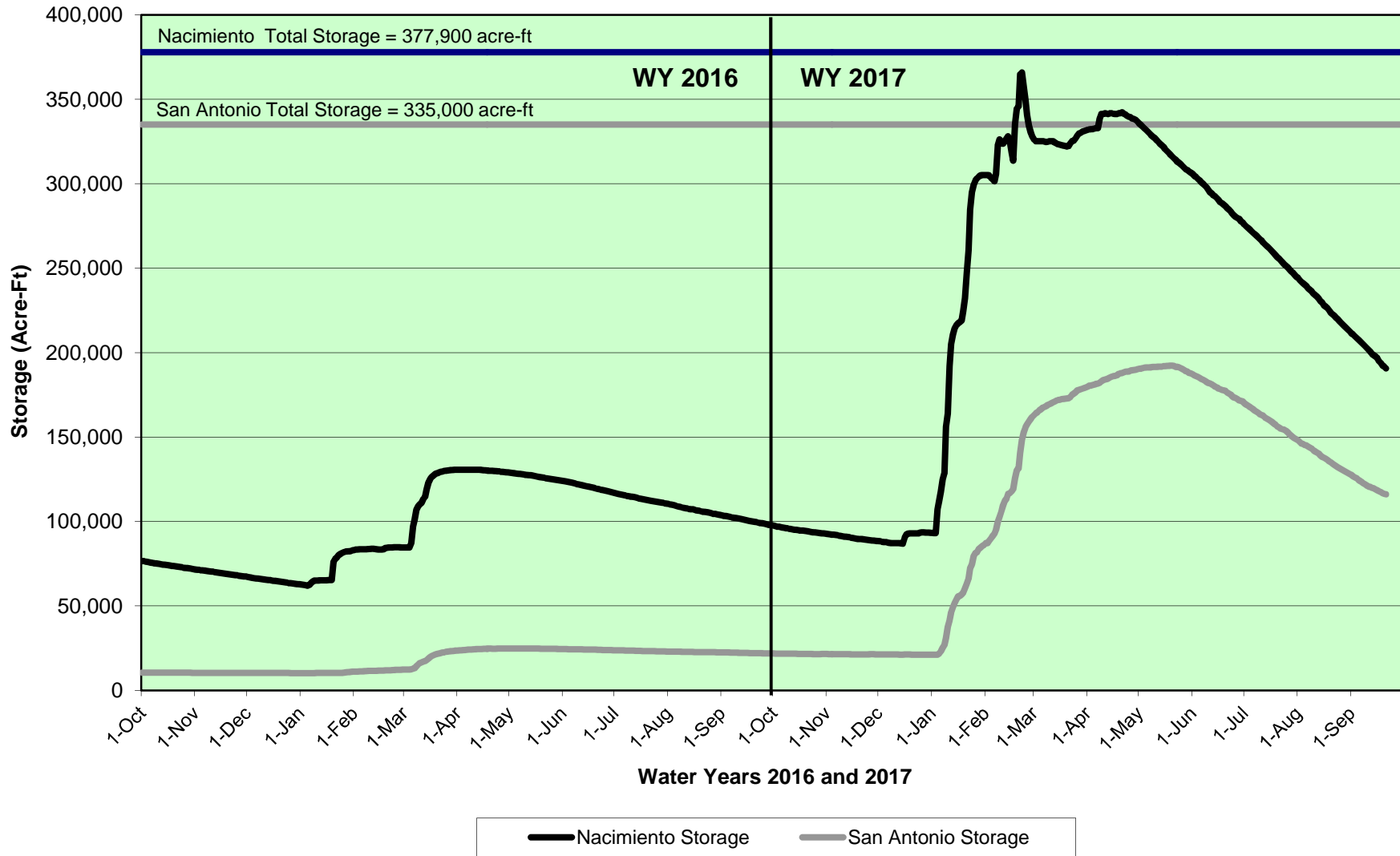
None

FINANCING:

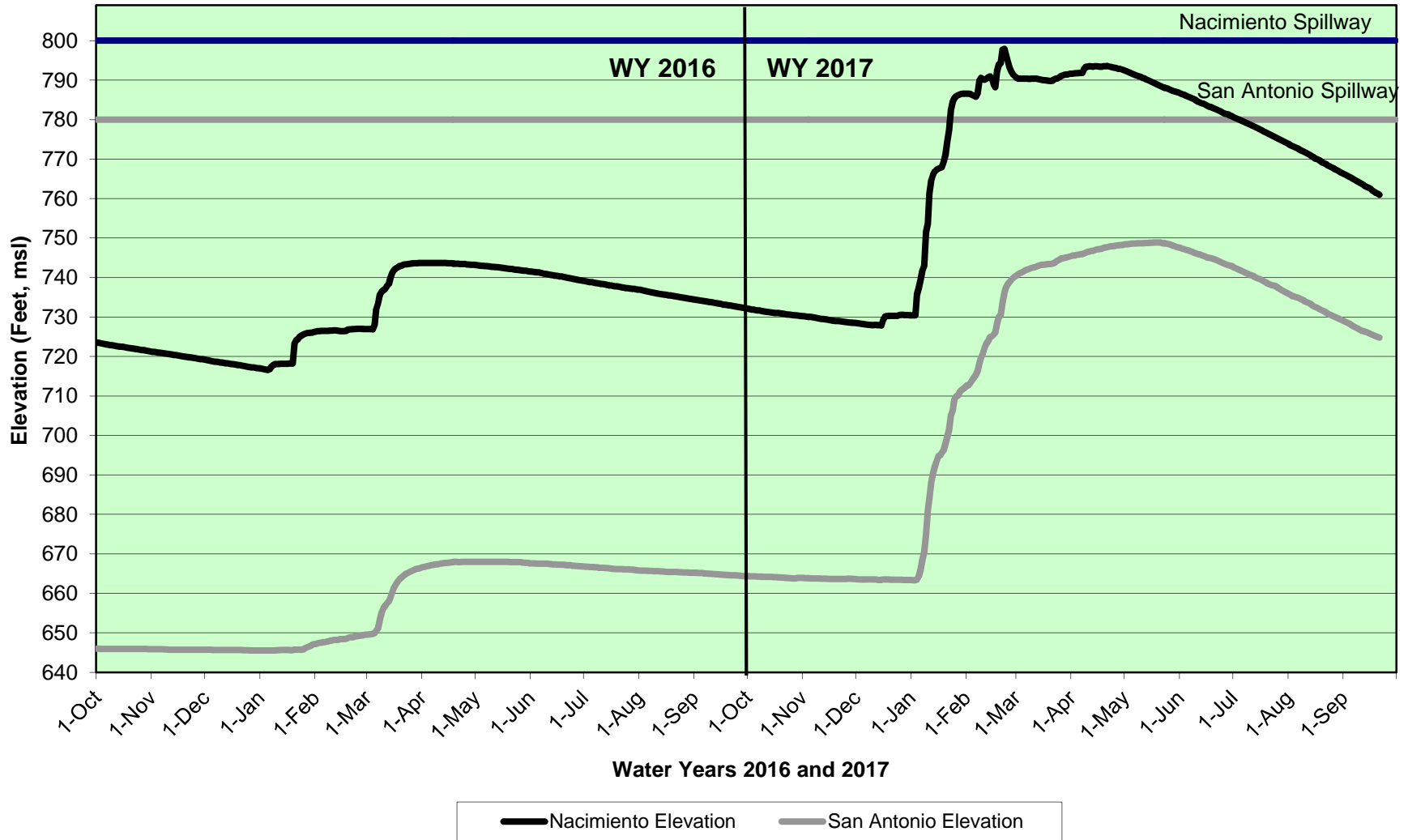
None

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

Reservoir Storage



Reservoir Elevation



MONTEREY COUNTY WATER RESOURCES AGENCY

PRELIMINARY - Estimated Elevation/Storage/NWP Diversions; after September 1st

9/20/2017

	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)
1/1/2017								93,275	730.5				21,150	663.4
2/1/2017	159	9,804	494	156	9,620	386	330	305,178	786.6	161	3	184	87,205	712.7
3/1/2017	3,403	189,022	566	3,400	188,855	760	101	326,230	790.6	404	3	167	162,993	740.6
4/1/2017	320	19,706	1,161	317	19,522	784	332	331,828	791.7	747	3	184	179,848	745.5
5/1/2017	310	18,437	1,338	307	18,258	881	434	335,573	792.4	1,122	3	179	190,460	748.4
6/1/2017	617	37,925	1,879	526	32,357	2,012	483	305,683	786.7	1,629	91	5,568	187,175	747.5
7/1/2017	739	43,974	2,780	458	27,263	2,206	534	275,780	780.6	2,121	281	16,711	169,920	742.6
8/1/2017	787	48,382	3,057	453	27,852	2,221	547	244,160	773.8	2,083	334	20,529	148,040	735.9
9/1/2017	817	50,226	3,263	490	30,143	2,221	474	211,470	766.2	1,926	327	20,083	127,550	729.0
10/1/2017	742	44,123	2,202	482	28,701	2,106		180,038	758.2	1,424	259	15,422	111,327	723.0
11/1/2017	500	30,724	1,432	398	24,447	1,189		152,971	750.6	922	102	6,278	104,116	720.1
12/1/2017	63	3,749	703	60	3,570	631		148,067	749.2	483	3	179	103,448	719.8
1/1/2018	63	3,874	431	60	3,689	354		143,593	747.8	301	3	184	102,958	719.6
TOTALS:	499,945	19,305	19,305	414,278	15,750	3,234		13,324	85,667					

* 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 are 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.
8. NACIMIENTO "NWP Orders" after 9/1/17 are estimated and will be replaced with actual orders once they are received.