

**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 Piearcy
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, June 29, 2017
PLACE: Monterey County Water Resources Agency
Paprika 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 April 27, 2017 and May 25, 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 San Antonio and Nacimiento Reservoirs Operations Policy manual.
6. **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.
7. **Report regarding Interlake Tunnel Project**
Staff will report on current activities regarding the Interlake Tunnel Project.
8. **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**
9. **Set next meeting date and discuss future Agenda items**
The Committee will discuss and determine details for its next meeting.
10. **Adjournment**

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Matthew Simis

TIME: 1:30 PM
DATE: Thursday, April 27, 2017
PLACE: Monterey County Water Resources Agency
Board Room
893 Blanco Circle
Salinas, CA 93901
(831) 755-4860

MINUTES

1. **Call to Order at 1:30 P.M. by Chair David Hart and a quorum was established.**
Members present: Hart, Ortiz, Ekelund, Dupree, Baillie, Jefferson, Pearcey, Morgan, Lipe, Sandoval, Benedix, Simis, and Nielsen
Members absent: Tozzi

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

2. **Public Comments: Dean Benedix, John Baillie, and Colby Pereira.**
3. **Approve the Minutes of the Reservoir Operations Advisory Committee Meeting held on March 30, 2017.**

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

VOTE: Motion carried unanimously by those members present.

4. **Review the status of both reservoirs and current releases**
Jason Demers, Hydrologist, reported on this item.
5. **Consider recommending that the Monterey County Water Resources Agency Board of Directors adopts a release schedule for Nacimiento and San Antonio reservoirs for 2017**

Brent Buche, Deputy General Manager, reported on this item.

ACTION: On motion and second of Committee members Baillie and Ortiz, the Committee approved recommending that the Board of Directors adopts a release schedule for Nacimiento and San Antonio reservoirs for 2017.

VOTE: Motion carried unanimously by those members present.

6. **Status of the Operations Policy Manual for San Antonio and Nacimiento Reservoirs**
Germán Criollo, Associate Hydrologist, reported on this item.
7. **Report regarding Operations and Maintenance activities at the Reservoirs**
Chris Moss, Senior Water Resources Engineer, reported on this item.
8. **Report regarding Interlake Tunnel Project**
Dave Chardavoyne, General Manager reported on this item.
9. **Report on the work being done by the Grazing Lease Subcommittee**
Brent Buche, Deputy General Manager, reported on this item.
10. **Status reports on:**
 - A. **Lake recreation by Concessionaire and Parks Department**
Mark Sandoval reported on this item.
 - B. **Easement and Agency Leases**
Brent Buche reported on this item.
 - C. **Quagga / Zebra Mussel Plan**
Elizabeth Krafft, Senior Hydrologist, reported on this item.
 - D. **San Luis Obispo County Activities**
Dean Benedix, SLO Public Works, reported on this item.
 - E. **National Marine Fisheries Service**
No report on this item.
 - F. **Cloud Seeding**
Germán Criollo and Dean Benedix reported on this item.
 - G. **Legislative items**
Robert Johnson, Deputy General Manager, reported on this item.
11. **Set next meeting date and discuss future Agenda items**
The next meeting is scheduled for Thursday May 25, 2017. Items suggested include a presentation on beavers by Jeff Taylor.
12. **Adjournment by Chair David Hart at 3:57 P.M.**

SUBMITTED BY: TERESA CAMPA

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

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Matthew Simis

TIME: 1:30 PM
DATE: Thursday, May 25, 2017
PLACE: Monterey County Water Resources Agency
Conference Room S1-1000
1441 Schilling Place, North Building
Salinas, CA 93901
(831) 755-4860

NO QUORUM MEETING MINUTES NOTICE

- 1. Call to Order at 1:35 P.M. by Ken Ekelund.**
Members present: Ekelund, Ortiz, Dupree, Baillie, Jefferson, Lipe, and Bill Capps
Members absent: Hart, Tozzi, Piearcy, Morgan, Sandoval, Benedix, Nielsen, and Simis

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

There was not a quorum established and no action items were discussed. Information items on the Agenda were presented with the discussion finishing by 3:10 PM.

SUBMITTED BY: TERESA CAMPA

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

MEETING DATE:	June 29, 2017	AGENDA ITEM:
Consent () Action () Information (X)		
DEADLINE FOR BOARD ACTION:	June 29, 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 June 22, 2017, San Antonio Reservoir is at an elevation of approximately 744.3 feet mean sea level (msl), 175,800 acre-feet of storage. Nacimiento Reservoir is at elevation 782.4 feet msl, 284,560 acre-feet of storage. San Antonio Reservoir is currently at 52% of storage capacity and Nacimiento Reservoir is at 75% 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 June 22nd the Salinas River lagoon remains open to the ocean.

RESERVOIR RELEASES: Reservoir releases are currently being made 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 June 22, 2017:

- Nacimiento Reservoir: 455 cfs
- San Antonio Reservoir: 275 cfs

Total releases from both reservoirs to the Salinas River are approximately 730 cfs. The following “provisional” flows have been recorded by the USGS:

- Salinas River near Spreckels: 24 cfs (steady)
- Salinas River near Chualar: 100 cfs (steady)
- Salinas River at Soledad: 317 cfs (steady)
- Salinas River near Bradley: 744 cfs (steady)

OTHER AGENCY INVOLVEMENT:

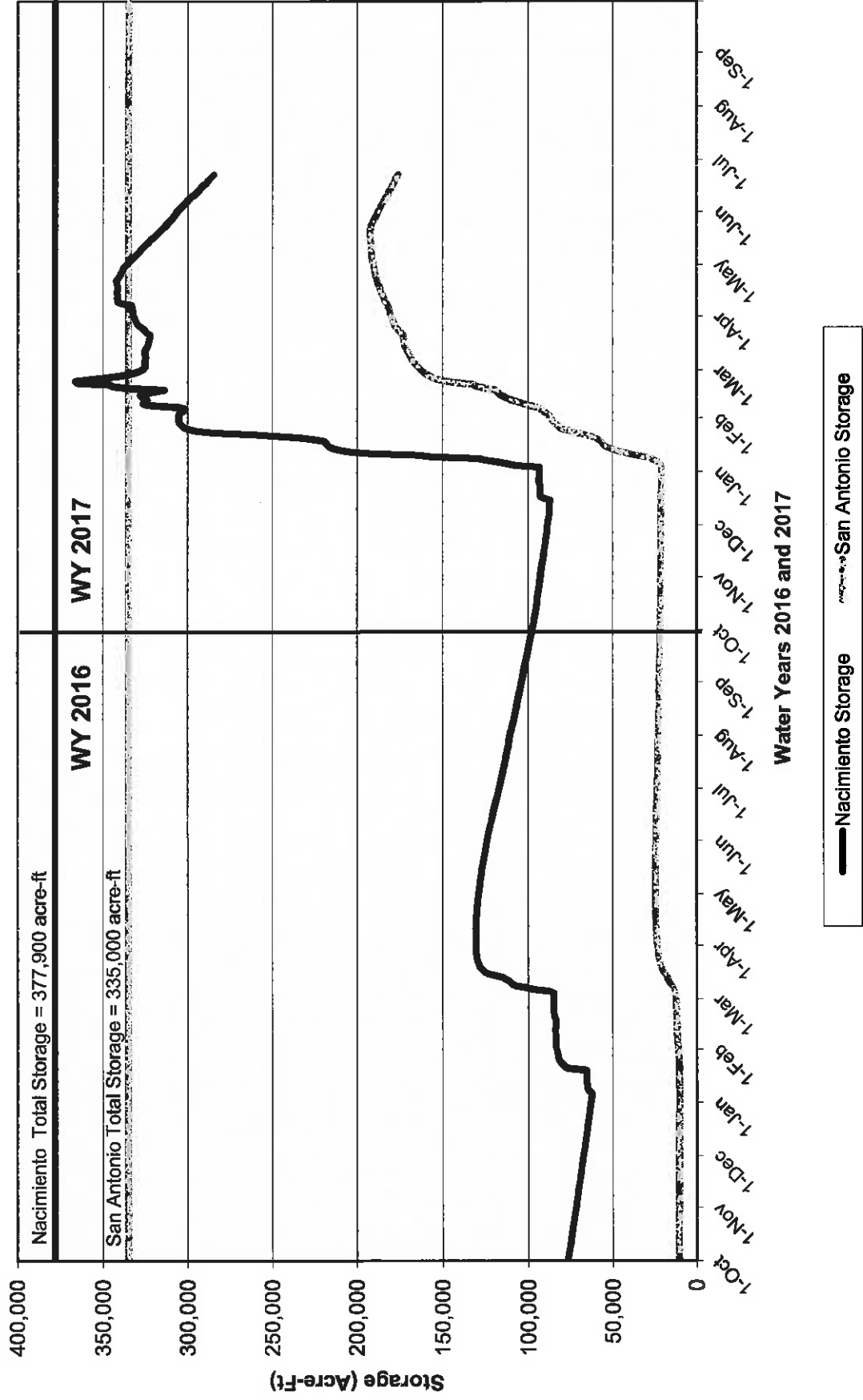
None

FINANCING:

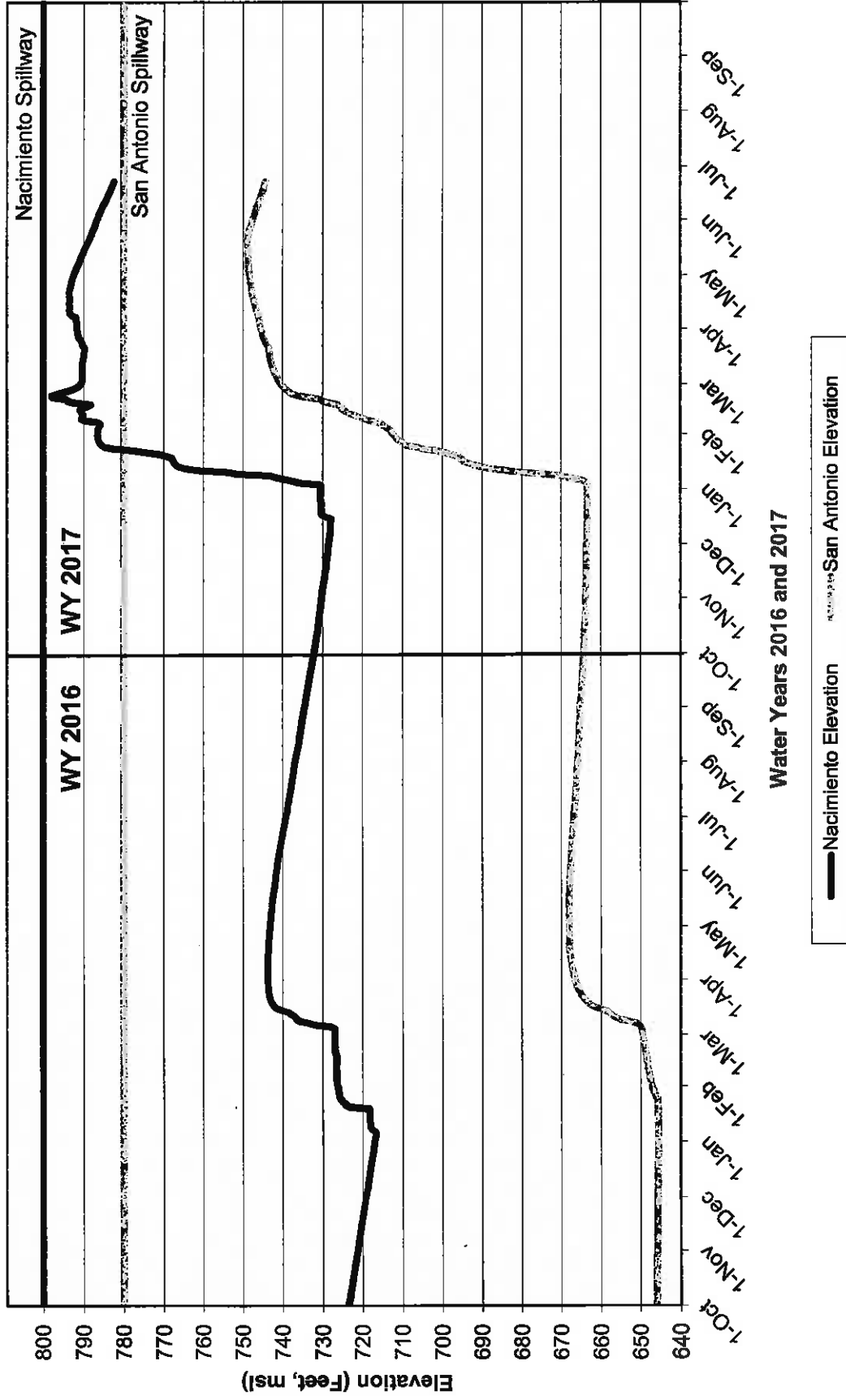
None

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 June 1st

6/22/2017

RESERVOIR RELEASE SCHEDULE FOR 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	159	9,804	494	156	9,620	386	330	93,275	730.5	161	3	184	21,150	663.4		
2/1/2017	3,403	189,022	566	3,400	188,855	760	101	305,178	786.6	404	3	167	87,205	712.7		
3/1/2017	320	19,706	1,161	317	19,522	784	332	326,230	790.6	747	3	184	162,993	740.6		
4/1/2017	310	18,437	1,338	307	18,258	881	434	331,828	791.7	1,122	3	179	179,848	745.5		
5/1/2017	617	37,925	1,879	526	32,357	2,012	483	335,573	792.4	1,629	91	5,568	190,460	748.4		
6/1/2017	734	43,677	3,184	458	27,263	2,206		305,683	786.7	2,294	276	16,413	187,175	747.5		
7/1/2017	760	46,731	3,200	460	28,285	2,221		274,696	780.4	2,293	300	18,447	170,115	742.7		
8/1/2017	760	46,731	2,831	460	28,285	2,221		240,991	773.1	1,941	300	18,447	149,376	736.3		
9/1/2017	711	42,298	2,174	460	27,372	2,106		207,655	765.3	1,451	251	14,926	128,989	729.5		
10/1/2017	500	30,724	1,411	398	24,447	1,189		176,003	757.1	942	102	6,278	112,612	723.5		
11/1/2017	63	3,749	692	60	3,570	631		148,957	749.4	494	3	179	105,393	720.6		
12/1/2017	63	3,874	424	60	3,689	354		144,064	748.0	308	3	184	104,720	720.4		
1/1/2018								139,597	746.6				104,227	720.2		
TOTALS:		492,678	19,353	411,523	15,750	1,679		13,786				81,155				

* 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 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 lake-side 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.

NOTES:

