

**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 Pearcey
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, May 25, 2017
PLACE: Monterey County Water Resources Agency
Conference Room S1-1000
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 Committee Meeting held on April 27, 2017**
The Committee will consider approval of the minutes of the above-mentioned meeting (Attachment 1).
4. **Make a recommendation to the Board of Directors to start seeking State and Federal funding for completing deferred maintenance for Nacimiento and San Antonio dams.**
5. **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).

- 6. 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.
- 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. Report on the work being done by the Grazing Lease Subcommittee**
Staff will report on the review work being done by the Grazing Lease Subcommittee to update the agreement documents to be used to lease Agency-owned land around the reservoirs.
- 10. 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**
- 11. Set next meeting date and discuss future Agenda items**
The Committee will discuss and determine details for its next meeting.
- 12. Adjournment**

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TIME: 1:30 PM
DATE: Thursday, April 27, 2017
PLACE: Monterey County Water Resources Agency
Board Room
890 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, Pearcy, 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 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 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**

MEETING DATE:	May 25, 2017	AGENDA ITEM:
Consent () Action () Information (X)		
DEADLINE FOR BOARD ACTION:	May 25, 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 May 15, 2017, San Antonio Reservoir is at an elevation of approximately 748.8 feet mean sea level (msl), 191,920 acre-feet of storage. Nacimiento Reservoir is at elevation 789.8 feet msl, 322,000 acre-feet of storage. San Antonio Reservoir is currently at 57% of storage capacity and Nacimiento Reservoir is at 85% 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 May 15th the Salinas River lagoon remains open to the ocean.

RESERVOIR RELEASES: Reservoir releases are currently being made to meet Salinas River Diversion Facility (SRDF) 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 May 15, 2017:

- Nacimiento Reservoir: 600 cfs
- San Antonio Reservoir: 3 cfs

Total releases from both reservoirs to the Salinas River are approximately 603 cfs. The following “provisional” flows have been recorded by the USGS:

- Salinas River near Spreckels: 37 cfs (increasing)
- Salinas River near Chualar: 91 cfs (decreasing)
- Salinas River at Soledad: 237 cfs (decreasing)
- Salinas River near Bradley: 652 cfs (decreasing)

OTHER AGENCY INVOLVEMENT:

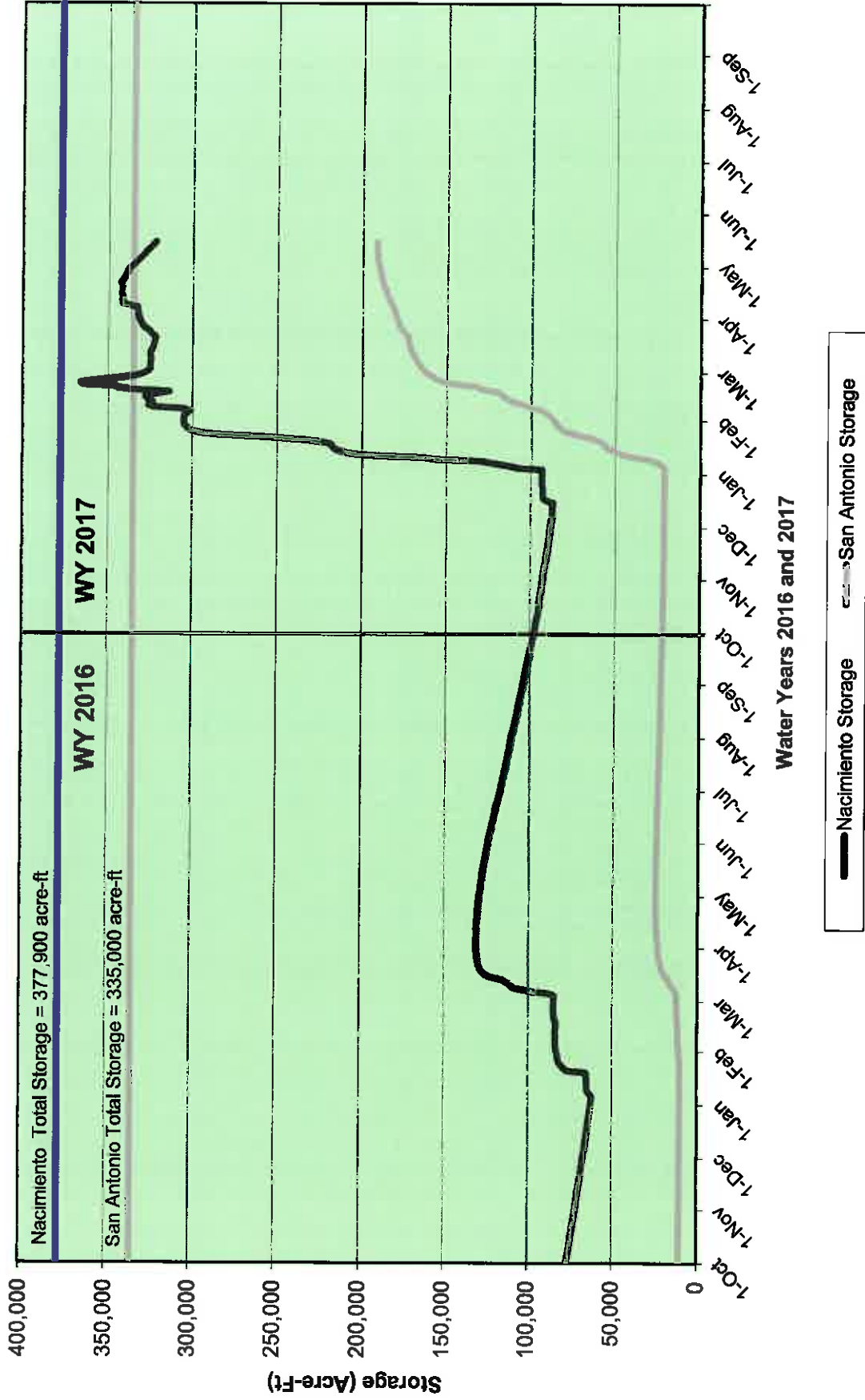
None

FINANCING:

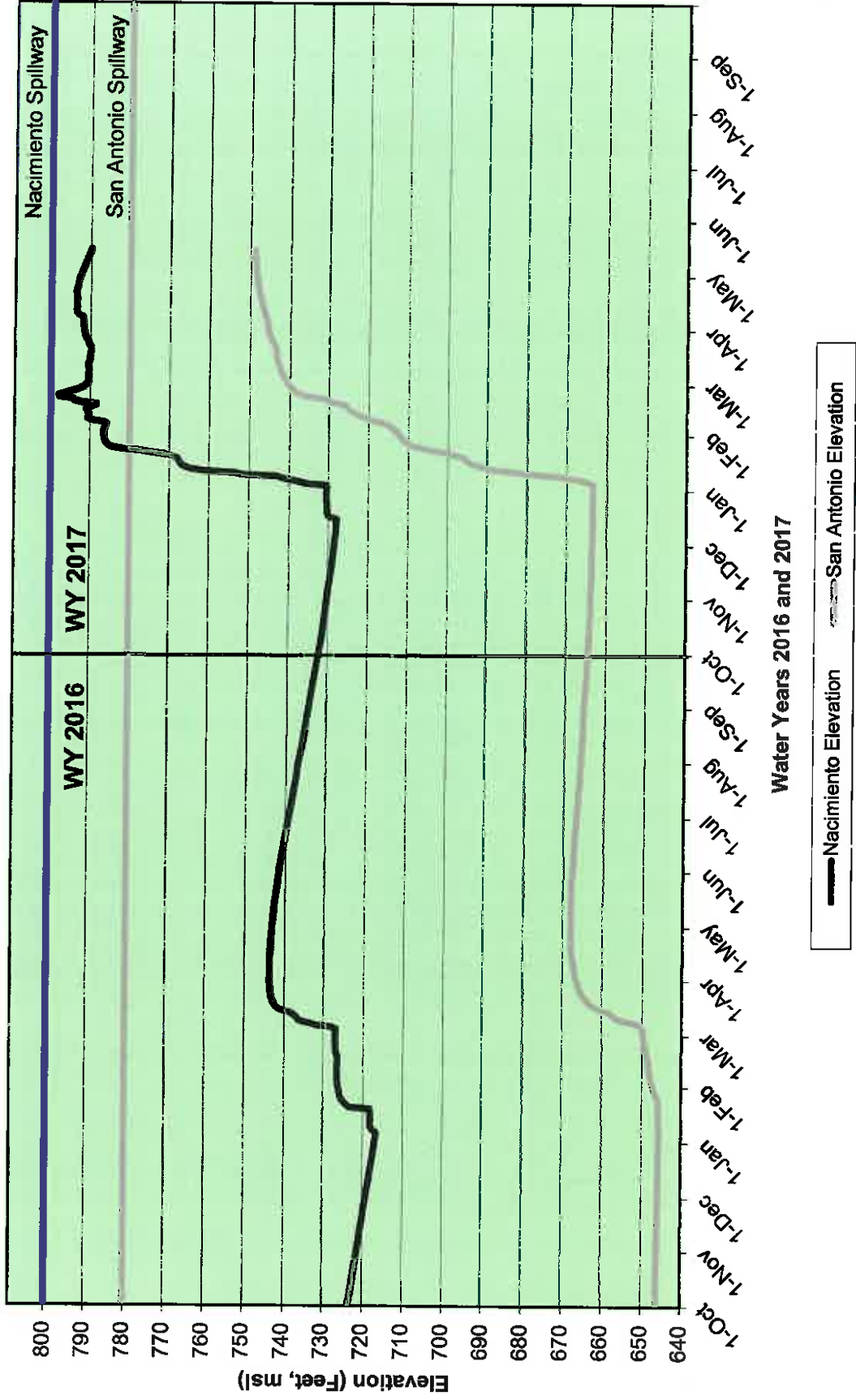
None

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 May 1st

5/15/2017

	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	570	35,060	2,439	489	30,044	2,012		335,573	792.4	1,754	82	5,016	190,460	748.4	
6/1/2017	625	37,191	3,193	397	23,604	2,206		304,724	786.5	2,305	228	13,587	185,968	747.2	
7/1/2017	631	38,827	3,241	384	23,604	2,221		275,733	780.6	2,339	248	15,223	170,094	742.7	
8/1/2017	650	39,968	2,901	400	24,595	2,221		246,681	774.4	2,013	250	15,372	152,566	737.3	
9/1/2017	605	36,001	2,258	392	23,306	2,106		216,979	767.5	1,539	213	12,694	135,212	731.7	
10/1/2017	415	25,547	1,497	347	21,352	1,189		189,321	760.6	1,028	68	4,195	121,005	726.6	
11/1/2017	63	3,749	743	60	3,570	631		165,292	754.1	542	3	179	115,805	724.7	
12/1/2017	63	3,874	455	60	3,689	354		160,353	752.7	338	3	184	115,098	724.5	
1/1/2018								155,857	751.4				114,584	724.3	
TOTALS:		457,185	20,286	390,020	15,750	1,197		14,293		67,165					

* 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 May 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.

