

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

COMMITTEE MEMBERS

David Hart, Chair
Ken Ekelund
Richard Ortiz
Mark Nielsen
David Pozzi
Mark Gonzalez

John Baillie
Benny Jefferson
Dean Benedix
Michael Tozzi (Parks)
Mark Sandoval (CalParks)

TIME: 1:30 p.m.
DATE: Thursday, August 25, 2016
PLACE: Monterey County Water Resources Agency
Board Room
893 Blanco Circle
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 July 28, 2016**
The Committee will consider approval of the minutes of the above-mentioned meeting (Attachment 1).
3. **Receive report on the Chimney Fire**
Staff will present a verbal report on the status of the Chimney Fire taking place around Nacimiento Reservoir.
4. **Review the status of both reservoirs; review 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. **Receive report on the 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. **Receive report regarding Operations and Maintenance activities at the Reservoirs**
Staff will present a verbal report discussing the various Operations and Maintenance activities at both reservoirs that have occurred over the last month.
7. **Receive report regarding Interlake Tunnel Project**
Staff will report on current activities regarding the Interlake Tunnel Project.
8. **Receive 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**
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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TIME: 1:30 PM
DATE: Thursday, July 28, 2016
PLACE: Monterey County Water Resources Agency
Board Room
890 Blanco Circle
Salinas, CA 93901
(831) 755-4860

MINUTES

1. **Call to Order at 1:34 P.M. by Chair David Hart and a quorum was established.**

Members present: David Hart, Mark Nielsen, David Pozzi, John Baillie, Benny Jefferson, Dean Benedix, Michael Tozzi,

Members absent: Ken Ekelund, Richard Ortiz, Mark Gonzalez, Mark Sandoval

2. **Public Comments: None**

3. **Approve the Minutes of the Reservoir Operations Committee Meeting held on June 2, 2016**

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

VOTE: Motion carried unanimously by those members present.

4. **Review the status of both Reservoirs; review releases and Release Schedule**
Germán Criollo, Associate Hydrologist, reported on this item. There is a steady flow of 55 cfs in the Salinas River at the USGS Bradley gage. End of flow in the Salinas River is at river mile 84.6, approximately 5 river miles upstream of the Highway 101 Bridge in San Lucas.

Nacimiento Reservoir elevation is 737.15 feet and 111,178 acre-feet of storage, 29% of capacity, and current release is 60 cfs.

San Antonio Reservoir elevation is 666.00 feet and 23,150 acre-feet of storage, 7% of capacity, and current release is 3 cfs.

5. **Receive report on the status of closing of San Antonio Reservoir to the public**
Mike Tozzi reported on this item.
6. **Receive report on the status of the Operations Policy Manual for San Antonio and Nacimiento Reservoirs**
Germán Criollo reported on this item. The next Operations Policy Subcommittee meeting is scheduled for August 29, 2016 at the Agency.
7. **Receive report regarding Operations and Maintenance activities at the Reservoirs**
Chris Moss, Senior Water Resources Engineer, reported on this item. A handout with a list of Maintenance & Improvement items for the Nacimiento Hydroelectric Plant was provided.
8. **Receive report regarding Interlake Tunnel Project**
Robert Johnson, Deputy General Manager, reported on this item.
9. **Receive status reports on:**
 - A. **Lake Recreation by Concessionaire and Parks Department**
Michael Tozzi reported on this item.
 - B. **Easement and Agency Leases**
No report on this item.
 - C. **Quagga / Zebra Mussel Plan**
Dean Benedix reported on this item.
 - D. **San Luis Obispo County Activities**
Dean Benedix reported on this item.
 - E. **National Marine Fisheries Service**
No report on this item.
 - F. **Cloud Seeding**
Dean Benedix reported on this item.
10. **Set next meeting date and discuss future Agenda items**
The next meeting is scheduled for Thursday August 25, 2016 at 1:30 P.M.
11. **Adjournment by Chair David Hart at 2:33 P.M.**

SUBMITTED BY: TERESA CAMPA

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

MEETING DATE:	August 25, 2016	AGENDA ITEM:	
AGENDA TITLE:	Reservoir Release Update		
Consent ()		Action ()	
Information (X)			
SUBMITTED BY:	Germán Criollo	PREPARED BY:	Jason Demers
PHONE:	(831) 755-4860	PHONE:	(831) 755-4860
DEADLINE FOR BOARD ACTION:	August 25, 2016		

RECOMMENDED BOARD ACTION:

None – item presented for informational purposes.

SUMMARY:

The Board of Directors receives monthly updates on the status of Agency reservoirs.

DISCUSSION/ANALYSIS:

RESERVOIR ELEVATION / STORAGE: As of August 18, 2016, San Antonio Reservoir is at an elevation of approximately 665.45 feet mean sea level (msl), 22,710 acre-feet of storage. Nacimiento Reservoir is at elevation 735.45 feet msl, 106,488 acre-feet of storage. San Antonio Reservoir is currently at 7% of storage capacity and Nacimiento Reservoir is at 28% of capacity.

RESERVOIR RELEASES: Minimum fisheries releases continue from both reservoirs.

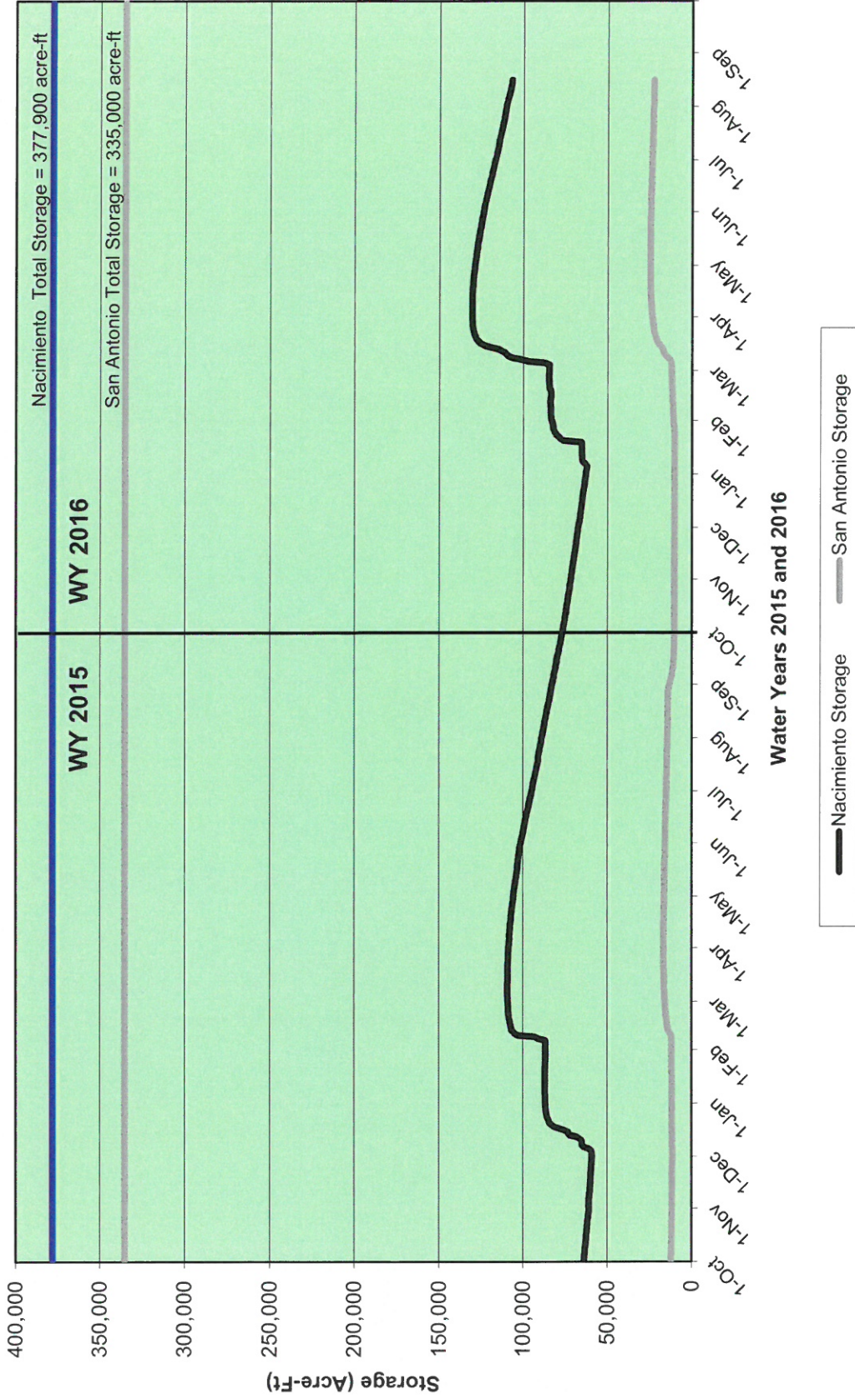
Releases as of August 18, 2016:

- San Antonio Reservoir: 3 cfs
- Nacimiento Reservoir: 60 cfs

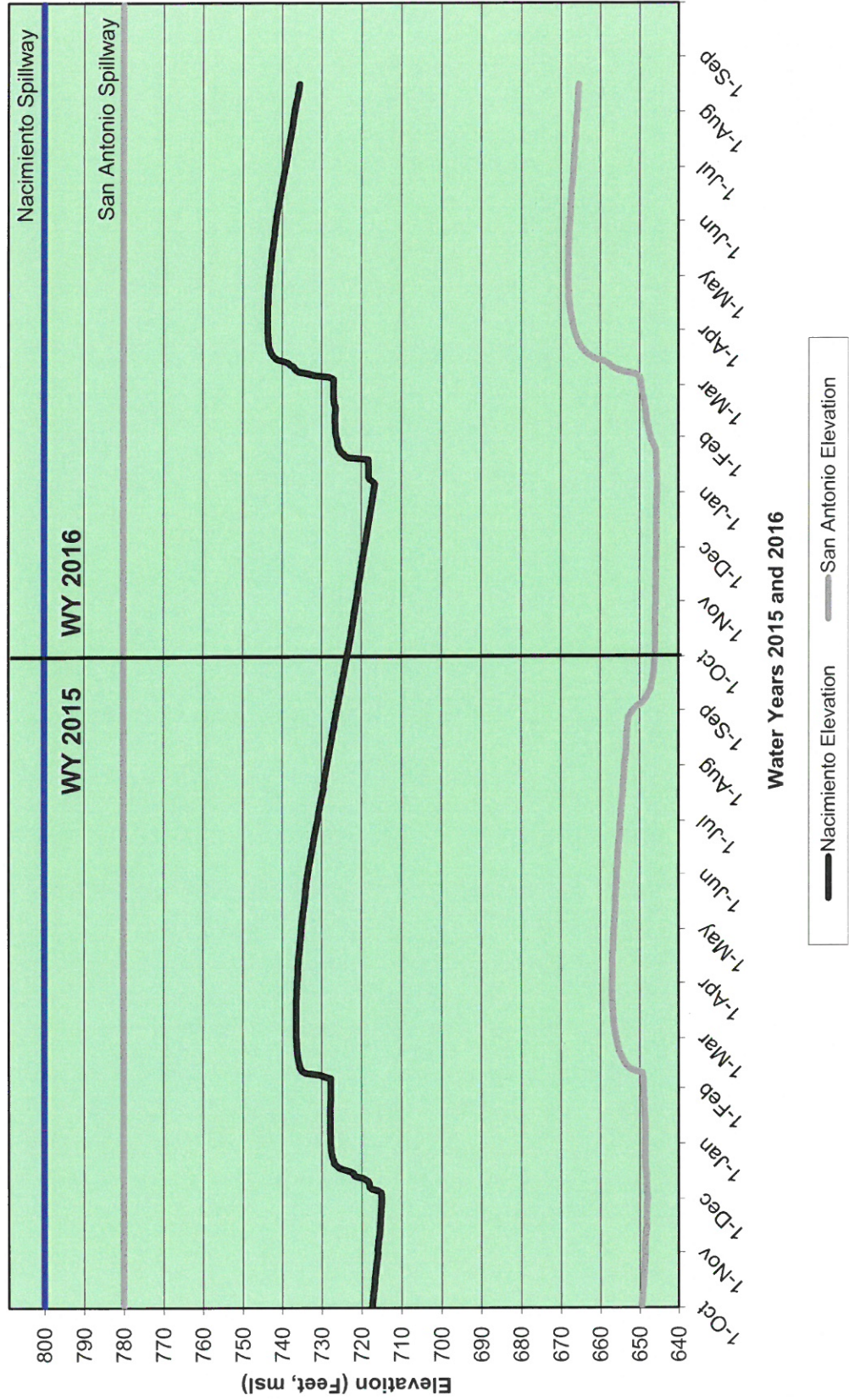
Total releases from both reservoirs to the Salinas River are approximately 63 cfs. The following “provisional” flows have been recorded by the USGS:

- Salinas River near Spreckels: 0 cfs
- Salinas River near Chualar: 0 cfs
- Salinas River near Soledad: 0 cfs
- Salinas River near Bradley: 56 cfs (steady)

Reservoir Storage



Reservoir Elevation



MONTEREY COUNTY WATER RESOURCES AGENCY
PRELIMINARY - Estimated Elevation/Storage/NWP Diversions; after August 1st
RESERVOIR RELEASE SCHEDULE FOR 2016

8/16/2016

	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)
1/1/2016	63	3,874	208	60	3,689	576	247	62,755	717.0	67	3	184	10,254	645.5
2/1/2016	63	3,624	225	60	3,451	716	309	83,120	726.3	67	3	173	11,065	647.1
3/1/2016	63	3,874	498	60	3,689	1,012	412	84,680	727.0	128	3	184	12,282	649.5
4/1/2016	63	3,749	845	60	3,570	1,101	439	130,685	743.7	222	3	179	23,630	666.6
5/1/2016	63	3,874	1,408	60	3,689	1,112	562	129,008	743.2	393	3	184	24,750	668.0
6/1/2016	63	3,749	1,902	60	3,570	2,106	680	123,975	741.5	535	3	179	24,430	667.6
7/1/2016	63	3,874	2,009	60	3,689	2,121	742	116,795	739.1	571	3	184	23,790	666.8
8/1/2016	63	3,874	1,846	60	3,689	2,121	TBR	110,475	736.9	520	3	184	22,950	665.8
9/1/2016	63	3,749	1,488	60	3,570	1,686	TBR	102,819	734.1	419	3	179	22,246	664.9
10/1/2016	63	3,874	1,044	60	3,689	1,189	TBR	96,074	731.5	298	3	184	21,648	664.1
11/1/2016	63	3,749	512	60	3,570	631	TBR	90,152	729.2	159	3	179	21,165	663.4
12/1/2016	63	3,874	316	60	3,689	354	TBR	85,439	727.3	97	3	184	20,828	663.0
1/1/2017								81,079	725.4				20,546	662.6
TOTALS:		45,736	12,301		43,558	14,724	3,391			3,476		2,178		

* Mean daily flow for the month in cubic feet per second.

** Evap. Losses estimated from long term pan evaporation data at Nacimiento and San Antonio Reservoirs.

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. To Be Reported (TBR)

7. NACIMIENTO "NWP Diversions" do not include lakeside water use which is estimated at approximately 1,750 acre feet per year.

NOTES: