

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

MEETING DATE:	August 31, 2017	AGENDA ITEM:
Consent () Action () Information (X)		
DEADLINE FOR BOARD ACTION:	August 31, 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 August 31, 2017, San Antonio Reservoir is at an elevation of approximately 729.2 feet mean sea level (msl), 128,120 acre-feet of storage. Nacimiento Reservoir is at elevation 766.45 feet msl, 212,495 acre-feet of storage. San Antonio Reservoir is currently at 38% of storage capacity and Nacimiento Reservoir is at 56% 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 August 29th 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 August 31, 2017:

- Nacimiento Reservoir: 500 cfs
- San Antonio Reservoir: 275 cfs

Total releases from both reservoirs to the Salinas River are approximately 775 cfs. The following “provisional” flows have been recorded by the USGS:

- Salinas River near Spreckels: 26 cfs (decreasing)
- Salinas River near Chualar: 74 cfs (decreasing)
- Salinas River at Soledad: 331 cfs (decreasing)
- Salinas River near Bradley: 727 cfs (steady)

OTHER AGENCY INVOLVEMENT:

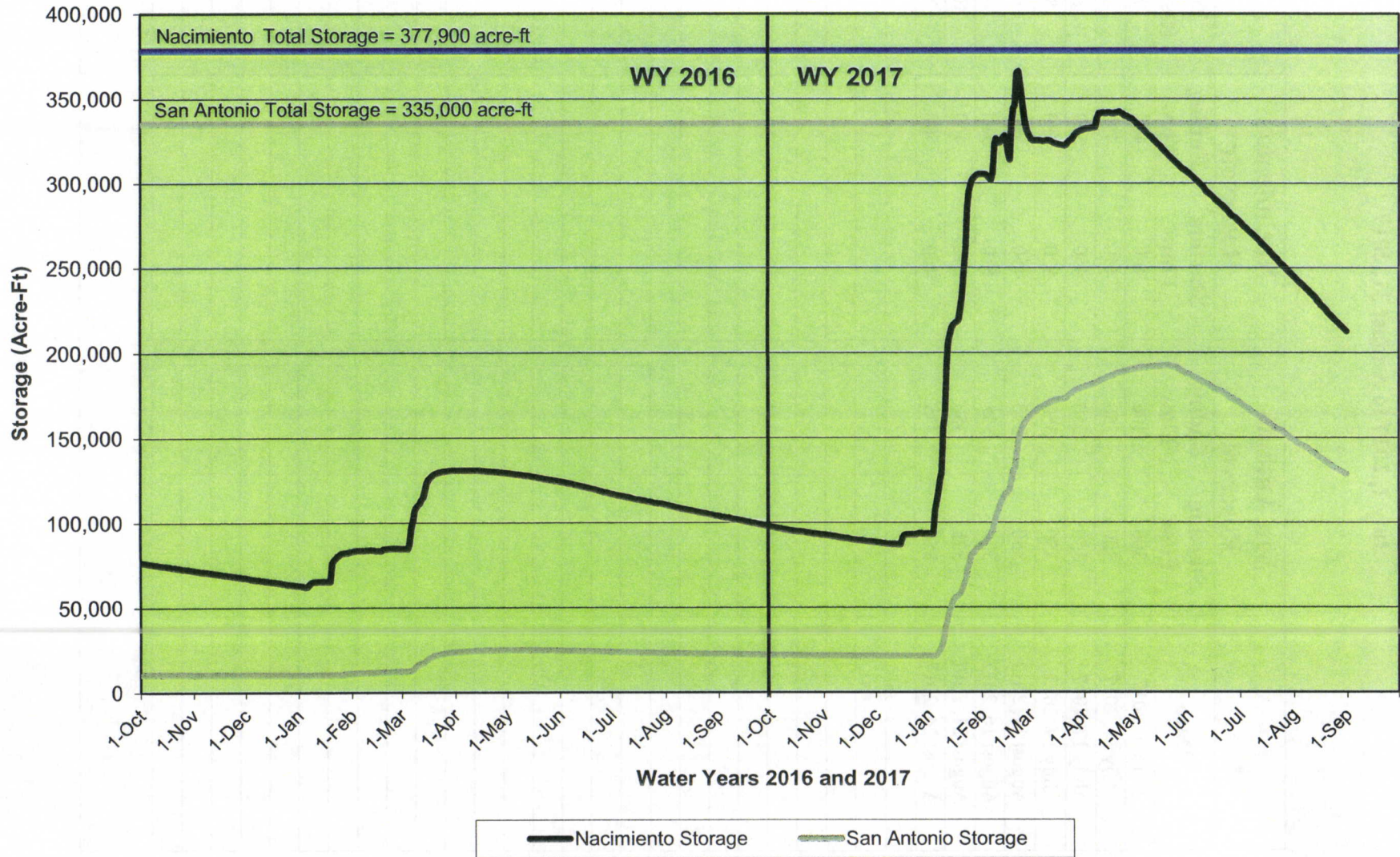
None

FINANCING:

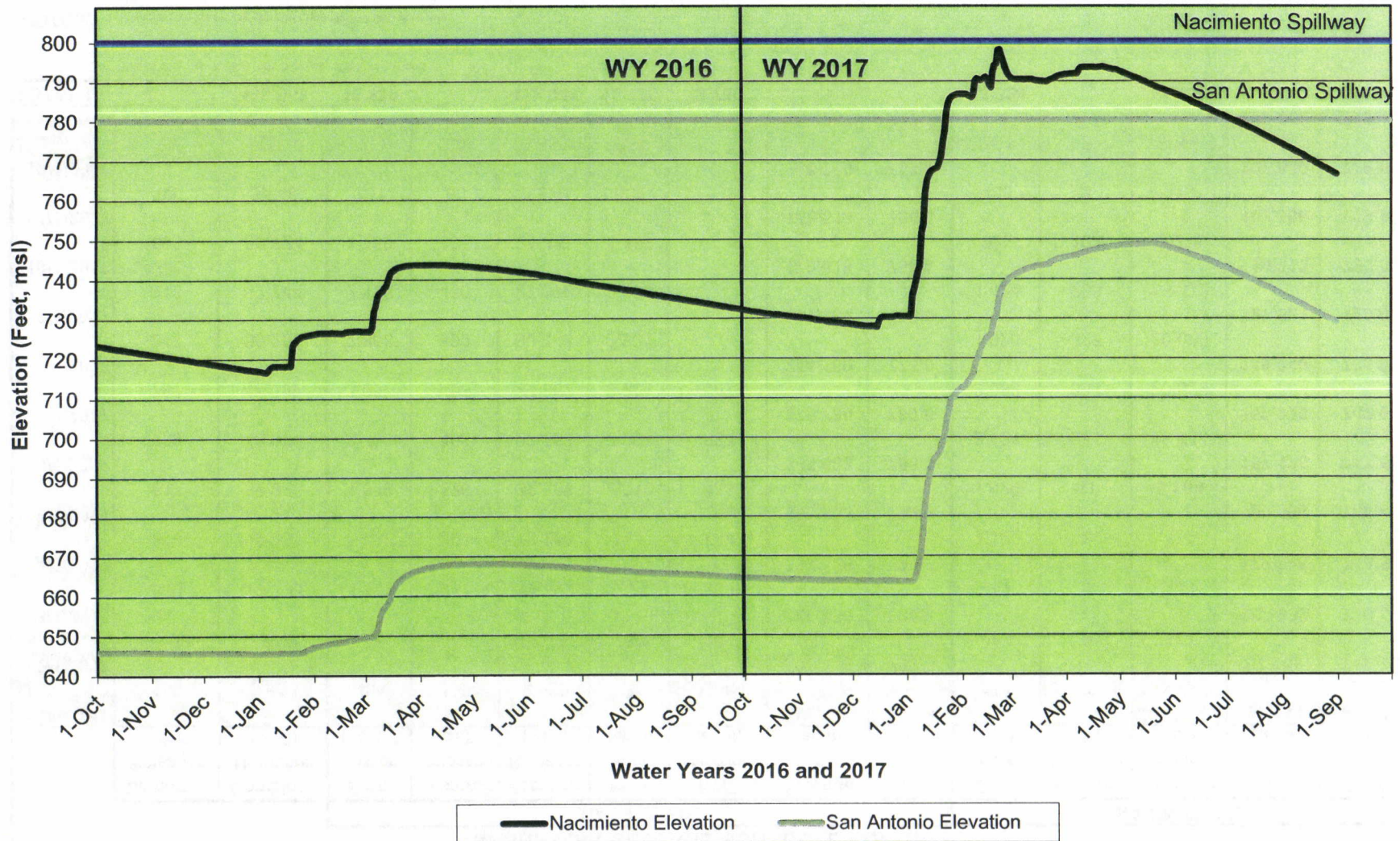
None

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Reservoir Storage



Reservoir Elevation



MONTEREY COUNTY WATER RESOURCES AGENCY
PRELIMINARY - Estimated Elevation/Storage/NWP Diversions; after August 1st

8/31/2017

	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	2,858	490	30,143	2,221		211,354	766.2	1,926	327	20,083	127,521	729.0
10/1/2017	718	42,744	2,196	460	27,372	2,106		179,679	758.1	1,424	258	15,372	110,713	722.8
11/1/2017	500	30,724	1,430	398	24,447	1,189		152,613	750.5	922	102	6,278	103,506	719.9
12/1/2017	63	3,749	701	60	3,570	631		147,710	749.0	483	3	179	102,840	719.6
1/1/2018	63	3,874	430	60	3,689	354		143,237	747.7	301	3	184	102,352	719.4
TOTALS:		498,567	18,889		412,949	15,750	2,760			13,324		85,618		

* 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.