

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

MEETING DATE:	June 2, 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:	June 2, 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 June 1, 2016, San Antonio Reservoir is at an elevation of approximately 667.6 feet mean sea level (msl), 24,430 acre-feet of storage. Nacimiento Reservoir is at elevation 741.5 feet msl, 123,975 acre-feet of storage. San Antonio Reservoir is currently at 7% of storage capacity and Nacimiento Reservoir is at 33% of capacity.

From the Seasonal low in early January to the peak storage of 24,750 acre-feet of storage on May 19th, San Antonio Reservoir received a net increase of approximately 14,500 acre-feet. Nacimiento Reservoir reached its seasonal peak storage volume of 130,685 acre-feet on April 14th, a net increase of approximately 68,700 acre-feet from the low in early January. Storage volume in both reservoirs is currently in decline.

RESERVOIR RELEASES: Minimum fisheries releases continue from both reservoirs.

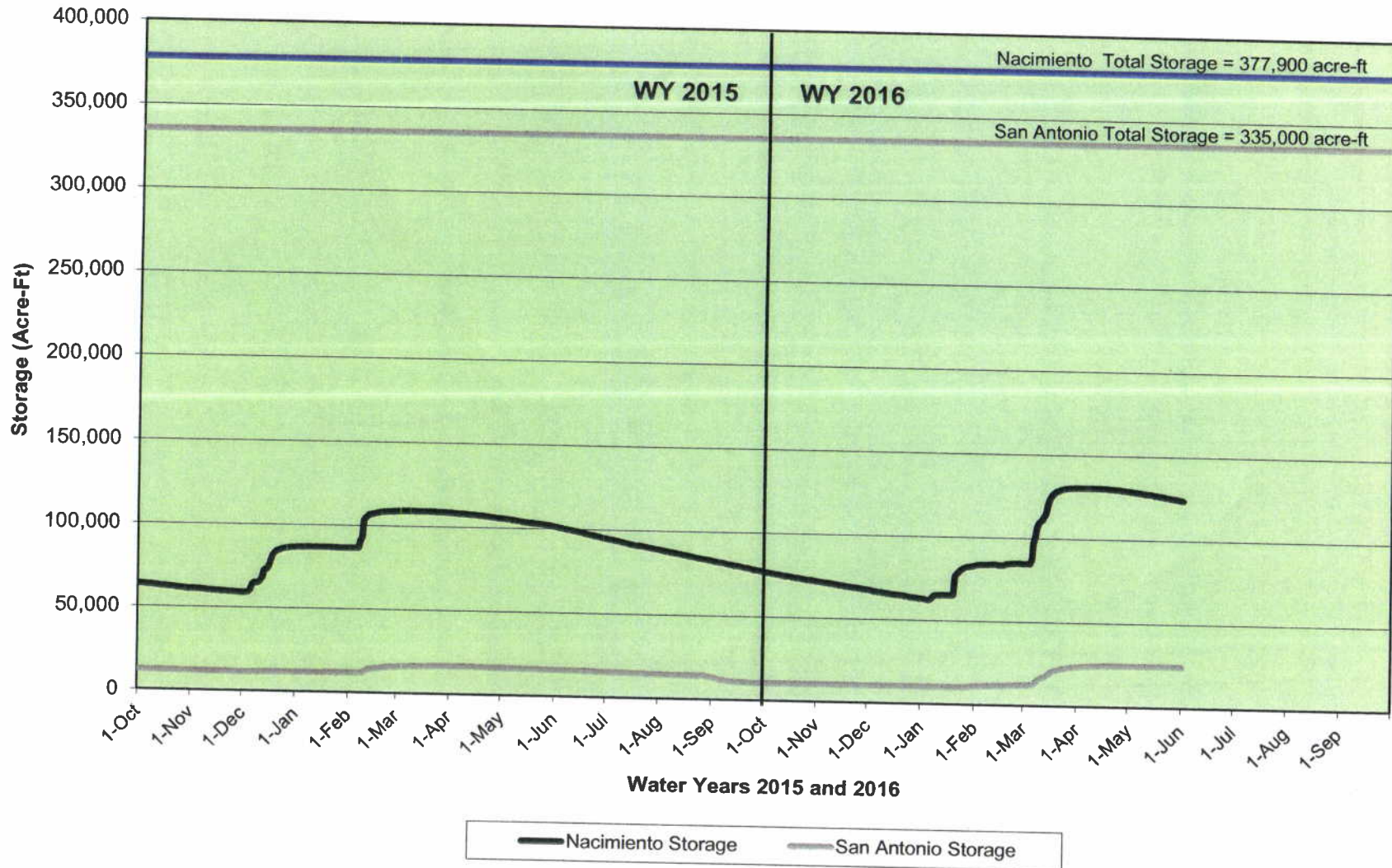
Releases as of June 1, 2016:

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

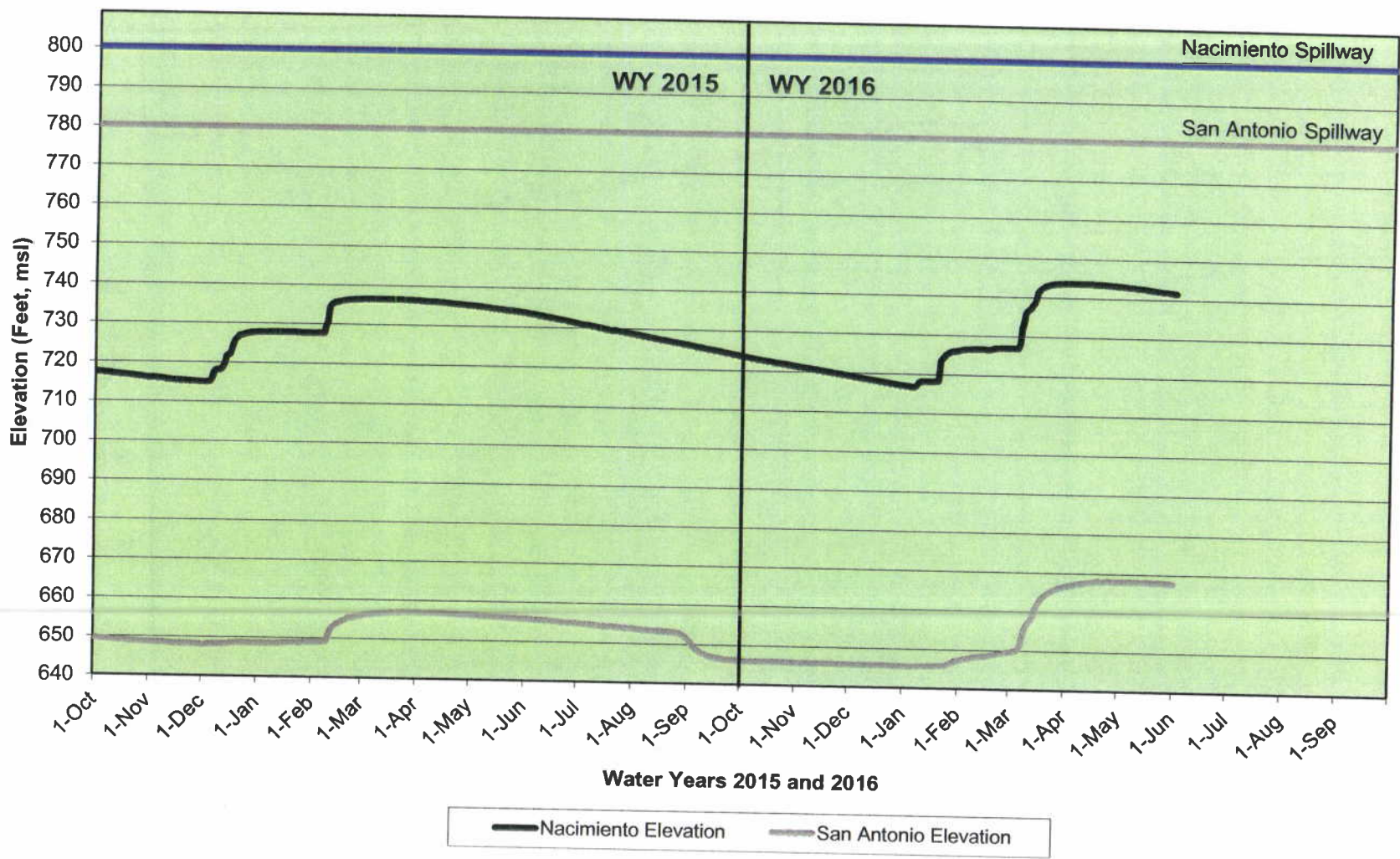
Total releases from both reservoirs to the Salinas River are approximately 63 cfs. The following “provisional” flows have been recorded by the USGS:

- Salinas River near Spreckels: 0 cfs
- Salinas River near Chualar: 0 cfs
- Salinas River near Soledad: 0 cfs
- Salinas River near Bradley: 52 cfs (steady)

Reservoir Storage



Reservoir Elevation



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

6/1/2016

	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	TBR	123,975	741.5	535	3	179	24,430	667.6
7/1/2016	63	3,874	2,007	60	3,689	2,121	TBR	116,397	739.0	571	3	184	23,717	666.7
8/1/2016	63	3,874	1,834	60	3,689	2,121	TBR	108,580	736.2	520	3	184	22,962	665.8
9/1/2016	63	3,749	1,471	60	3,570	1,686	TBR	100,936	733.4	419	3	179	22,257	664.9
10/1/2016	63	3,874	1,030	60	3,689	1,189	TBR	94,209	730.8	298	3	184	21,660	664.1
11/1/2016	63	3,749	505	60	3,570	631	TBR	88,300	728.4	159	3	179	21,177	663.4
12/1/2016	63	3,874	312	60	3,689	354	TBR	83,593	726.5	97	3	184	20,840	663.0
1/1/2017	63	3,874	312	60	3,689	354	TBR	79,238	724.6	97	3	184	20,558	662.6
TOTALS:		45,736	12,246		43,558	14,724	1,969			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.

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. 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.