

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

COMMITTEE MEMBERS

Richard Ortiz, Chair
Ken Ekelund
Glen Dupree
Mike Scattini
John Baillie
Benny Jefferson
Jon Anthony

Eric Morgan
Bill Lipe
Mark Sandoval
Jill Ogren
Don Bullard
Kevin Piearcy
Matthew Simis

TIME: 1:30 p.m.
DATE: Thursday, February 22, 2018
PLACE: Monterey County Water Resources Agency
Saffron Conference Room (1st Floor)
1441 Schilling Place, South Building
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 Meetings held on November 30, 2017 and January 25, 2018**
The Committee will consider approval of the minutes of the above-mentioned meetings (Attachment 1).
- 4. Review the status of both reservoirs and current releases**
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, and 3a).

- 5. Report regarding release schedule and winter releases**
Staff will review the release schedule (Attachment 4) and provide an update on communications with National Marine Fisheries Service staff regarding the possibility of winter releases.
- 6. Status of the Operation Policy Manual for Nacimiento Dam**
Staff will provide a verbal report of the status of the Operation Policy Manual for Nacimiento Dam.
- 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. 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**
- 10. Set next meeting date and discuss future Agenda items**
The Committee will discuss and determine details for its next meeting.
- 11. Adjournment**

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

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Don Bullard
Matthew Simis

TIME: 1:30 p.m.
DATE: Thursday, November 30, 2017
PLACE: 1441 Schilling Place, Saffron Room
Salinas, CA 93901

MINUTES

1. **Call to Order at 1:35 p.m.**
Roll Call:
Members present: Ekelund, Ortiz, Dupree, Anthony, Morgan, Sandoval, Tallone (for Jill Ogren), Bullard, Simis; **Member Lipe** arrived at 1:40 pm and **Member Piearcy** arrived at 2:00 pm.
Members absent: Baillie, Jefferson
2. **Public Comments:** None
3. **Approve the Minutes of the Reservoir Operations Advisory Committee Meeting held on November 2, 2017**

Committee Action: On motion and second of Committee members Morgan and Sandoval, the Committee unanimously approved the Minutes.

4. **Review the status of both reservoirs, current releases, and release schedule**
Jason Demers, Hydrologist, reported on this item.
5. **Consider receiving the Draft Nacimiento Dam Operations Policy and providing direction to staff.**

Committee Action: On motion and second of Committee members Dupree and Ortiz, the Committee received the Draft Nacimiento Dam Operations Policy and recommended staff forward the Draft to the Board of Directors for consideration. A vote was taken to wit:

Ayes: Ekelund, Ortiz, Dupree, Anthony, Sandoval, Tallone, and Simis
Noes: Members Piearcy, Morgan, Lipe, and Bullard
Absent: Members Baillie and Jefferson
The motion passed.

Report regarding Operations and Maintenance activities at the Reservoirs

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

Report regarding Interlake Tunnel Project

Brent Buche, reported on this item.

3. Status reports on:

a. Lake recreation by Concessionaire and Parks Department

Jon Anthony and Eric Morgan reported on this item.

b. Easements and Agency Leases

Brent Buche reported on this item.

c. Quagga / Zebra Mussel Plan

Jon Anthony, Eric Morgan and Elizabeth Krafft reported on this item.

d. San Luis Obispo County Activities

Mathew Tallone reported on this item.

e. National Marine Fisheries Service

No report on this item.

f. Cloud Seeding

No report on this item.

g. Legislative items

No report on this item.

4. Set next meeting date and discuss future Agenda items

The next meeting is scheduled for January 25, 2018 at 1:30 p.m. at the Agency.

5. Adjournment at 3:15 p.m.

Submitted by: Alice Henault

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

Richard Ortiz, Chair
Ken Ekelund
Glen Dupree
Mike Scattini
John Baillie
Jon Anthony
Benny Jefferson

Kevin Piearcy
Eric Morgan
Bill Lipe
Mark Sandoval
Jill Ogren
Don Bullard
Matthew Simis

TIME: 1:30 p.m.
DATE: Thursday, January 25, 2018
PLACE: 1441 Schilling Place, Saffron Room
Salinas, CA 93901

MINUTES

1. **Call to Order at 1:30 p.m.**
Roll Call:
Members present: Ortiz, Ekelund, Dupree, Scattini, Anthony, Morgan, Sandoval, Tallone (for Jill Ogren), Bullard, Simis
Members absent: Piearcy, Lipe

2. **Public Comments:** John Baillie

3. **Approve the Minutes of the Reservoir Operations Advisory Committee Meeting held on November 2, 2017**

Committee Action: No action was taken as the Minutes had been omitted from the packet due to clerical error. Staff was directed to include them on the next Agenda.

4. **Review the status of both reservoirs and current releases**
Jason Demers, Hydrologist, reported on this item.

Committee Action: Upon Motion by Ken Ekelund and Second by Glen Dupree, the Committee received the review of the status of both reservoirs and current releases.

5. **Review and discussion of release schedule**
German Criollo, Associate Hydrologist, reported on this item.

Committee Action: Upon Motion by John Baillie and Second by Eric Morgan, the Committee recommended that the Board of Directors consider directing staff to engage in communications with National Marine Fisheries Services to develop a new classification of winter reservoir releases beneficial to the recharge of the Salinas Valley Groundwater Basin.

6. Status of the Operation Policy Manual for Nacimiento Dam

German Criollo, Associate Hydrologist, reported on this item.

7. Report regarding Operations and Maintenance activities at the Reservoirs

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

Committee Action: Upon Motion by John Baillie and Second by Jon Anthony, the Committee received the report regarding Operations and Maintenance activities at the Reservoirs.

8. Report regarding Interlake Tunnel Project

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

Committee Action: Upon Motion by Ken Ekelund and Second by John Baillie, the Committee received the report regarding the Interlake Tunnel Project.

9. Status reports on:

a. Lake recreation by Concessionaire and Parks Department

Jon Anthony and Eric Morgan reported on this item.

b. Easements and Agency Leases

Brent Buche reported on this item.

c. Quagga / Zebra Mussel Plan

Jon Anthony, Eric Morgan and Mathew Tallone reported on this item.

d. San Luis Obispo County Activities

Mathew Tallone reported on this item.

e. National Marine Fisheries Service

No report on this item.

10. Set next meeting date and discuss future Agenda items

The next meeting is scheduled for February 22, 2018 at 1:30 p.m. at the Agency. Chair Ortiz requested that the issue of a winter release schedule be placed on the January 29, 2018 Board of Directors meeting Agenda.

Adjournment at 3:07 p.m.

Submitted by: Alice Henault

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

MEETING DATE:	February 22, 2018	AGENDA ITEM:
Consent () Action () Information (X)		
DEADLINE FOR BOARD ACTION:	February 22, 2018	

..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 February 15, 2018 San Antonio Reservoir is at an elevation of approximately 720.25 feet mean sea level (msl), 104,463 acre-feet of storage. Nacimiento Reservoir is at elevation 750.8 feet msl, 153,710 acre-feet of storage. San Antonio Reservoir is currently at 31% of storage capacity and Nacimiento Reservoir is at 41% of capacity.

The Salinas River mouth is currently closed to the ocean.

RESERVOIR RELEASES: Minimum fisheries releases of 60 cfs from Nacimiento Reservoir and 10 cfs from San Antonio Reservoir are currently being made 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 February 15, 2018:

- Nacimiento Reservoir: 60 cfs
- San Antonio Reservoir: 10 cfs

Total releases from both reservoirs to the Salinas River are approximately 70 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 at Soledad: 0 cfs
- Salinas River near Bradley: 75 cfs (steady)

OTHER AGENCY INVOLVEMENT:

None

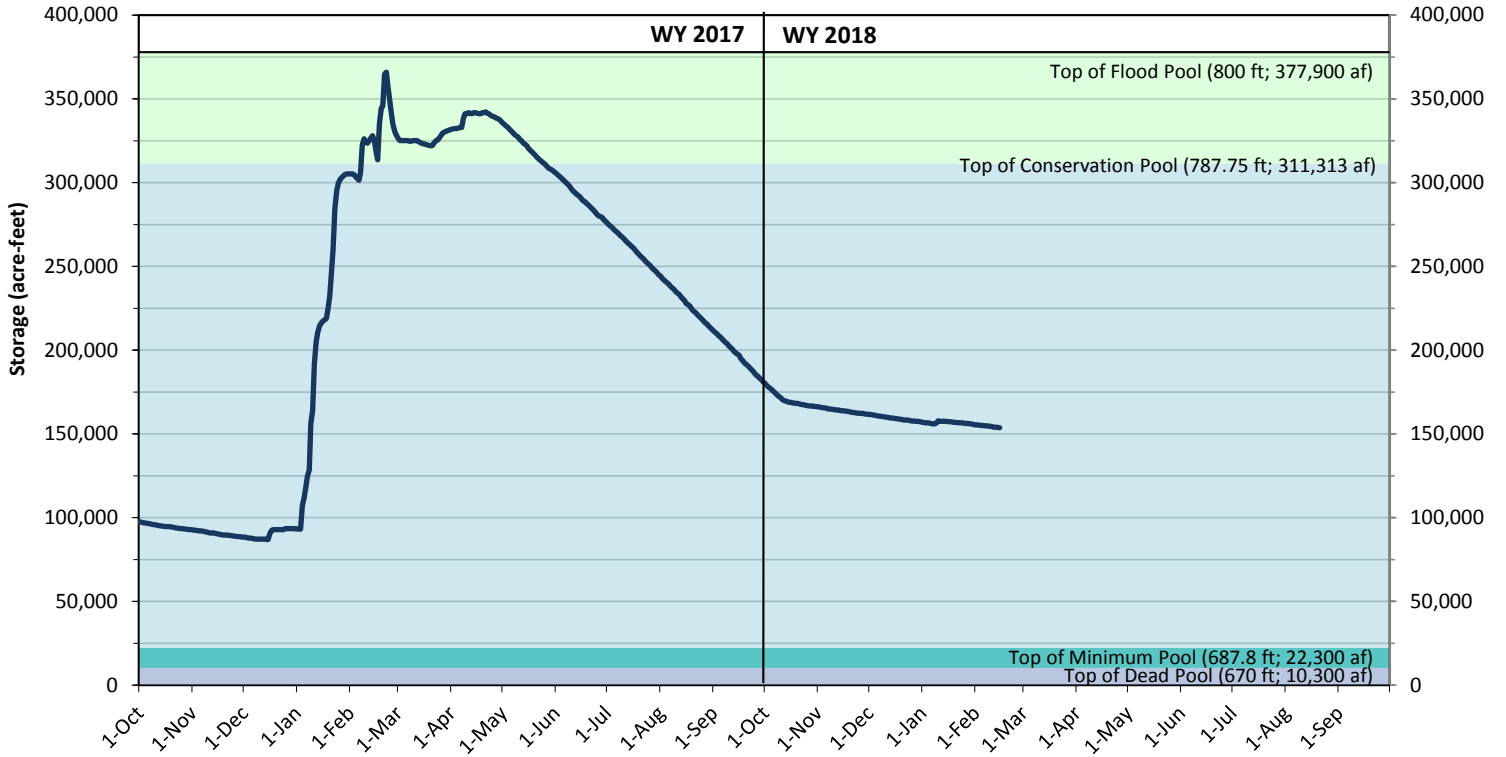
FINANCING:

None

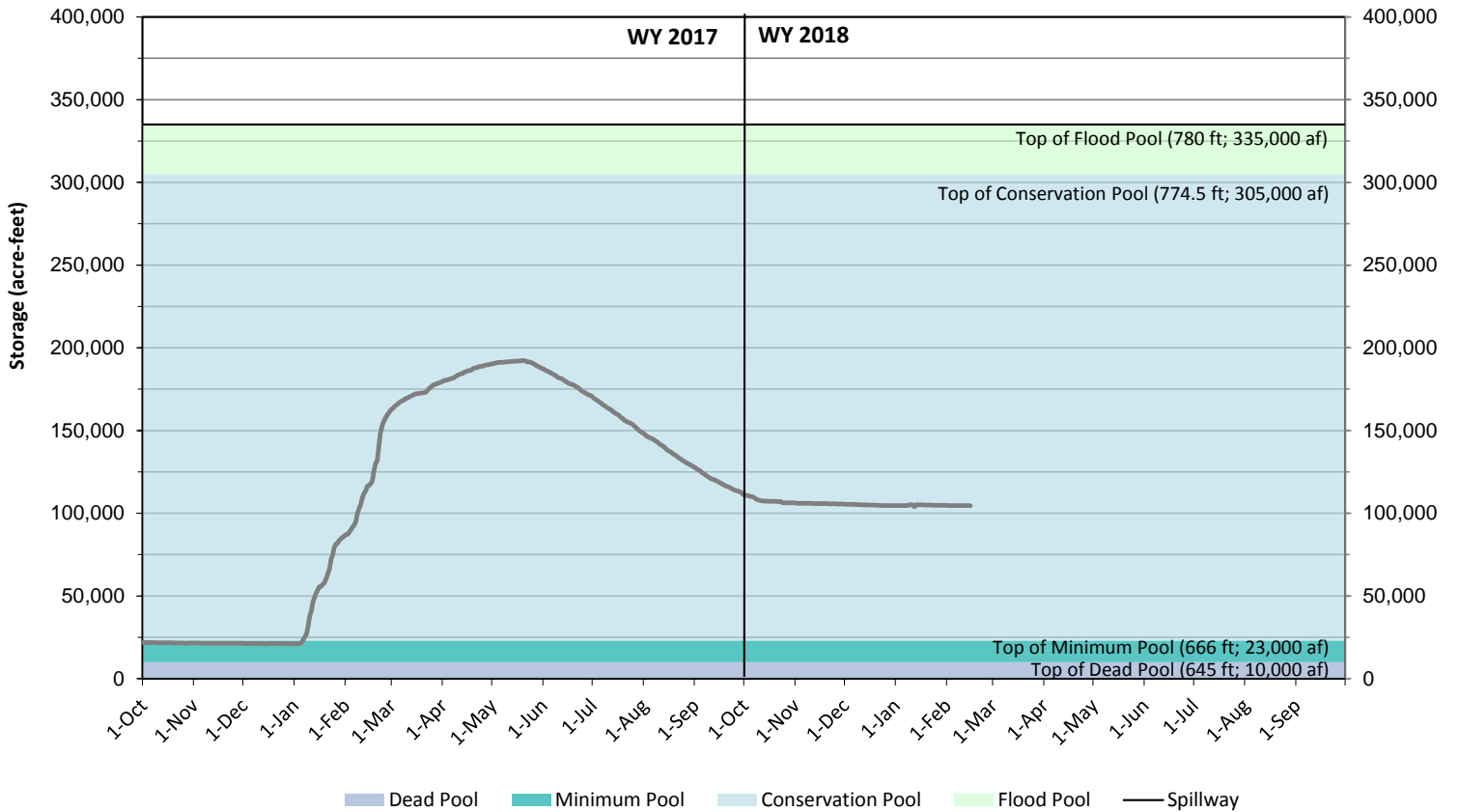
Prepared by: Germán Criollo, Associate Hydrologist, (831) 755-4860
Jason Demers, Hydrologist, (831) 755-4860

Reservoir Storage

Nacimientio Reservoir



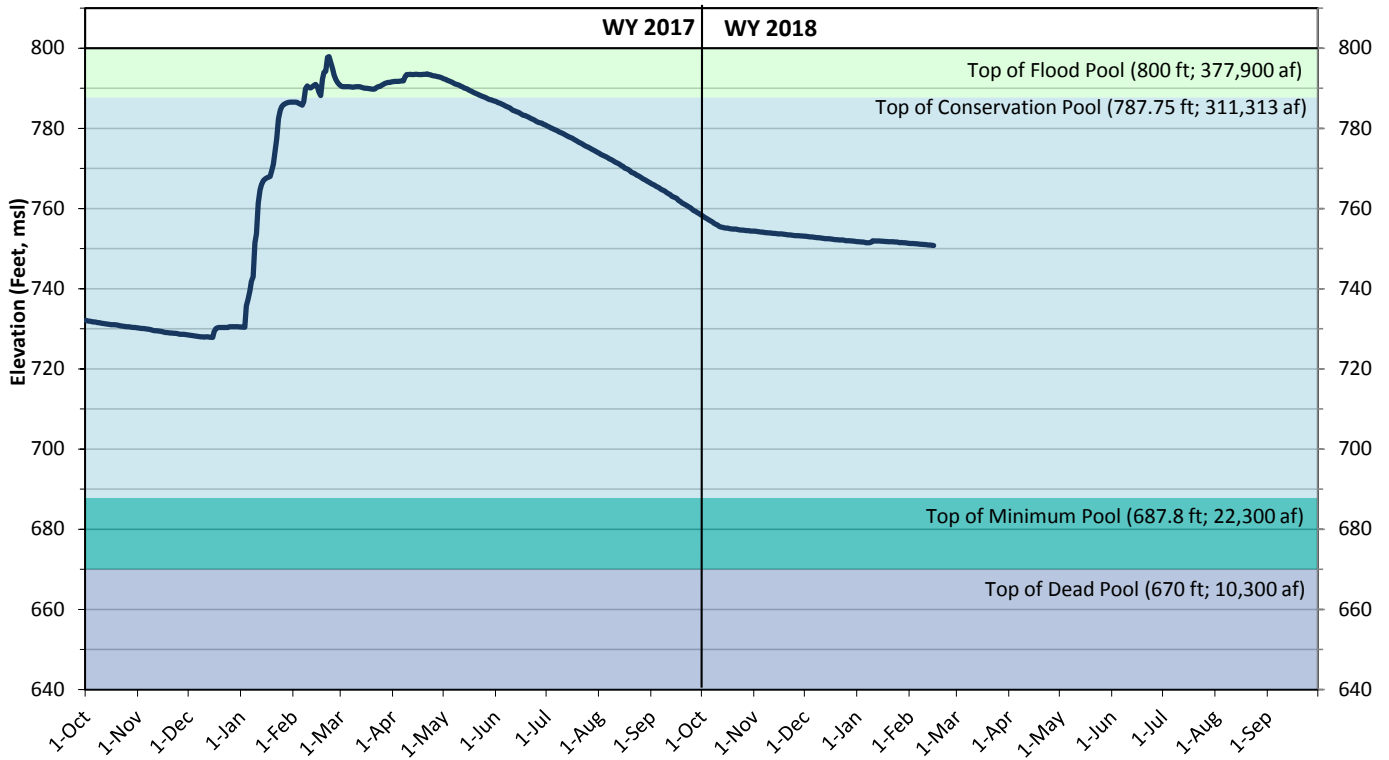
San Antonio Reservoir



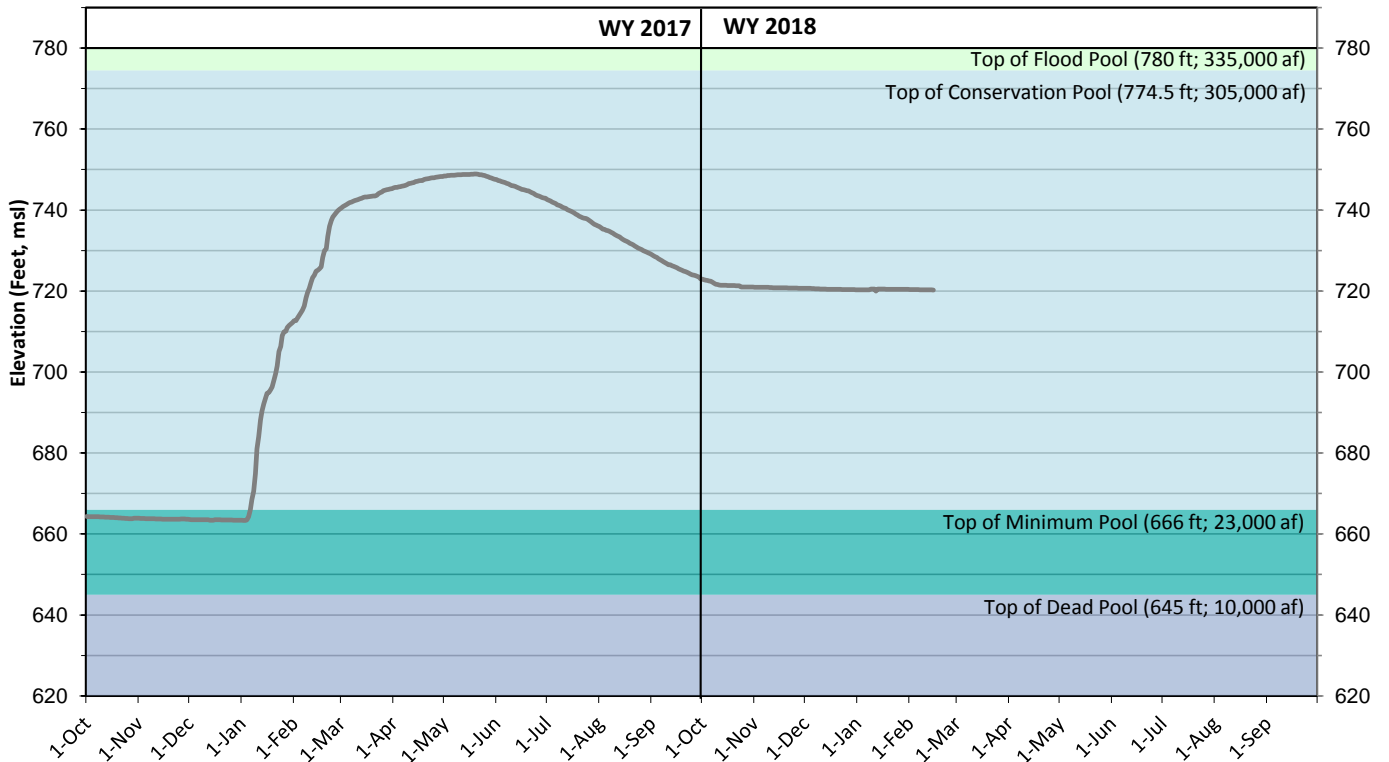
■ Dead Pool
 ■ Minimum Pool
 ■ Conservation Pool
 ■ Flood Pool
 — Spillway

Reservoir Elevation

Nacimiento Reservoir



San Antonio Reservoir



■ Dead pool
 ■ Minimum Pool
 ■ Conservation Pool
 ■ Flood Pool
 — Spillway

MONTEREY COUNTY WATER RESOURCES AGENCY
Draft - Elevation/Storage/NWP Diversions

2/15/2018

	RESERVOIR RELEASE SCHEDULE FOR 2018													
	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)
1/1/2018								156,988	751.8				104,585	720.3
2/1/2018	70	4,304	387	60	3,689	484	275	155,435	751.3	283	10	615	104,708	720.4
3/1/2018	70	3,888	381	60	3,332	701		151,497	750.2	284	10	555	104,120	720.1
4/1/2018	575	35,346	754	295	18,129	972		131,682	744.0	540	280	17,217	86,395	712.3
5/1/2018	505	30,050	1,081	400	23,802	947		106,016	735.3	789	105	6,248	79,494	708.9
6/1/2018	576	35,405	1,603	400	24,595	1,661		78,589	724.4	1,172	176	10,810	67,818	702.4
7/1/2018	727	43,240	2,210	400	23,802	2,199		51,301	710.7	1,586	327	19,438	47,389	689.0
8/1/2018	559	34,374	2,378	181	11,108	2,235		36,955	701.2	1,704	378	23,266	23,406	666.3
9/1/2018	70	4,304	2,293	60	3,689	1,985		30,445	696.0	1,578	10	615	22,285	664.9
10/1/2018	70	4,165	1,917	60	3,570	1,899		24,373	690.1	1,302	10	595	21,283	663.6
11/1/2018	22	1,329	1,381	12	714	1,674		21,618	687.0	917	10	615	20,390	662.4
12/1/2018	10	595	719	0	0	1,024		20,408	685.5	490	10	595	19,649	661.4
1/1/2019	10	615	455	0	0	450		19,842	684.9	311	10	615	18,944	660.4
TOTALS:		197,616	15,560		116,431	16,231	275			10,956		81,185		

* 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 could be 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.