

Reservoir Storage & Release Update

SUMMARY/DISCUSSION:

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

RESERVOIR ELEVATION / STORAGE: As of September 19, 2024, San Antonio Reservoir has a water surface elevation of approximately 762.45 feet (NGVD 29), with 246,880 acre-feet of water in storage. Nacimiento Reservoir has a water surface elevation of approximately 769.1 feet, with 223,630 acre-feet of water in storage. San Antonio Reservoir is currently at 74% of storage capacity and Nacimiento Reservoir is at 59% of capacity.

RESERVOIR RELEASES: Several late season storm events in April and May brought inflow to the Nacimiento Reservoir requiring an extended period of maintenance releases to ensure meeting a target elevation of 787.75 feet, required for scheduled spillway maintenance which began in early June. The Salinas River Diversion Facility (SRDF) has been rediverting flows since May 10 to supplement the recycled water project deliveries in the Castroville Seawater Intrusion Project (CSIP). After reaching the target elevation of 787.75 feet on June 8, 2024, releases were reduced to more closely target needs downstream. Minor release adjustments continue to be made at both reservoirs as needed to meet downstream demands.

RAINFALL: Recent light rainfall in the region did not bring any inflow or measurable increase in reservoir storage but did decrease losses in the Salinas River and other streams in the area.

SALINAS LAGOON: The lagoon opened to the ocean January 4, 2024 and closed on July 11, 2024.

Releases as of the morning of September 19, 2024:

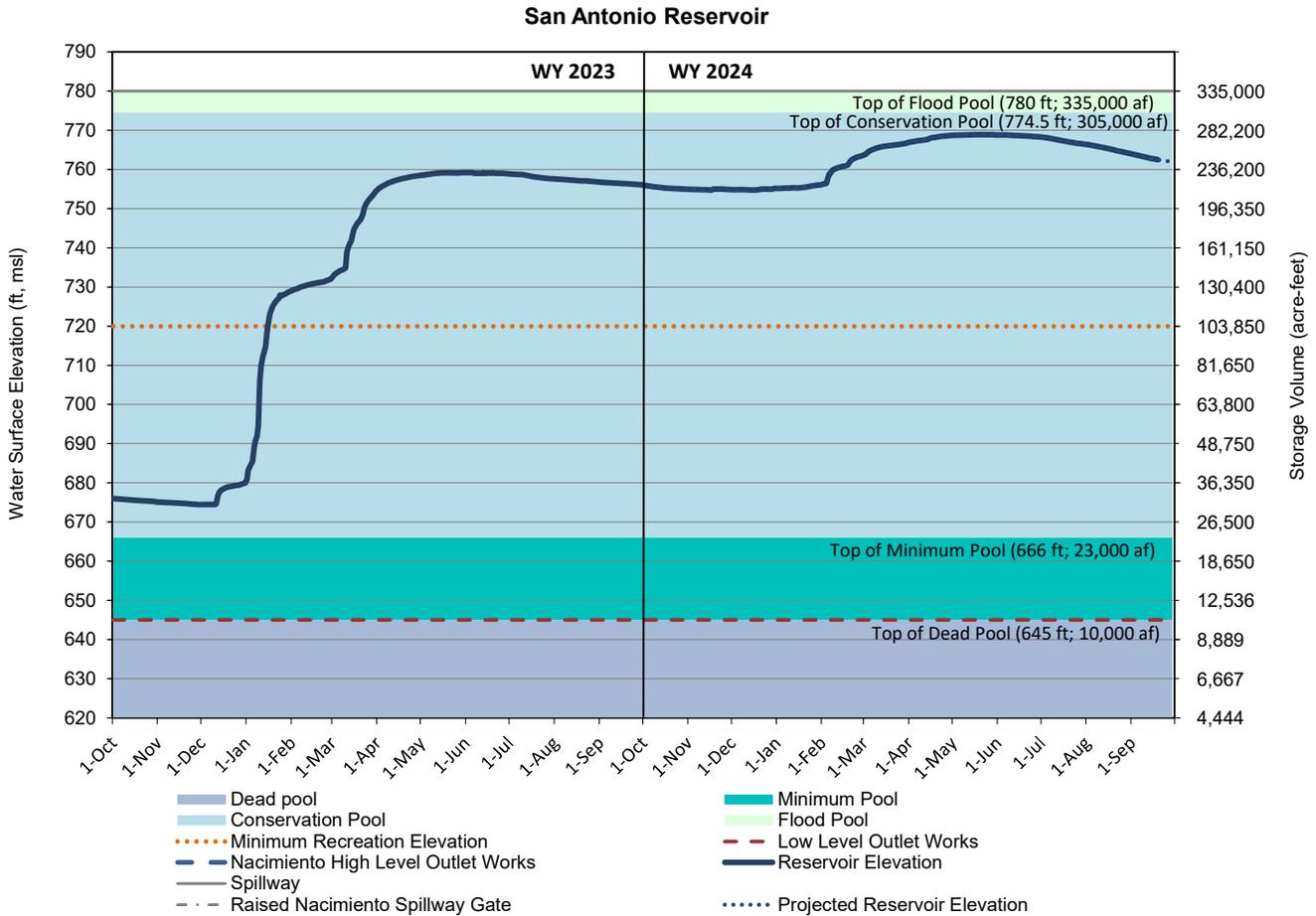
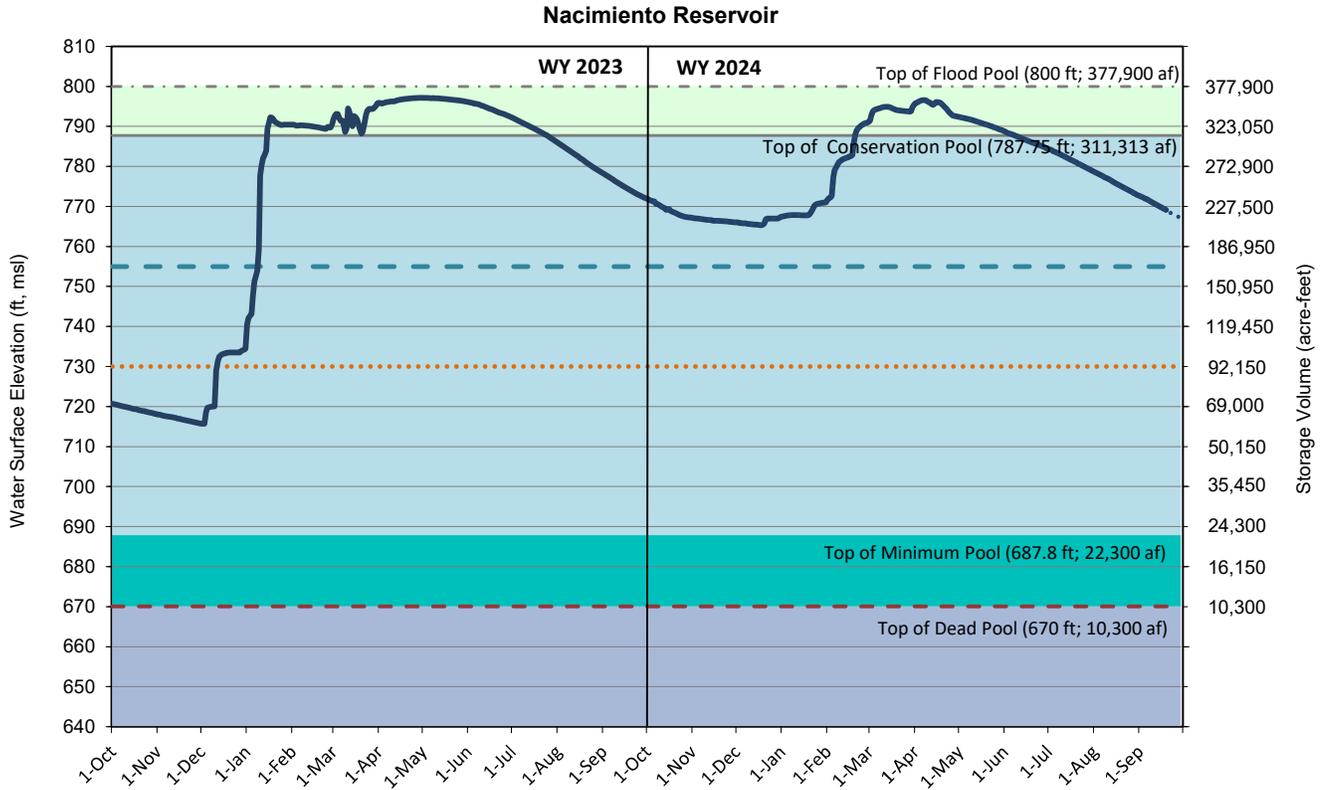
- Nacimiento Reservoir: 401 cfs
- San Antonio Reservoir: 100 cfs

Total releases from both reservoirs to the Salinas River are approximately 501 cfs. The following “provisional” flows have been recorded by the USGS:

- Salinas River near Bradley: 483 cfs
- Salinas River at Soledad: 249 cfs
- Salinas River near Chualar: 104 cfs
- Salinas River near Spreckels: 59 cfs

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Reservoir Elevation and Storage



- Dead pool
- Conservation Pool
- Minimum Pool
- Flood Pool
- Minimum Recreation Elevation
- Low Level Outlet Works
- Spillway
- Raised Nacimiento Spillway Gate
- Reservoir Elevation
- Projected Reservoir Elevation

Synopsis of Reservoir Release Changes Since February 3, 2024

Date	San Antonio Reservoir		Nacimientto Reservoir		Total Releases
	Starting Flow	Ending Flow	Starting Flow	Ending Flow	
February 3, 2024	10	10	300	60	70
March 2, 2024	10	10	80	1000	1,010
March 4, 2024	10	10	1000	850	860
March 6, 2024	10	10	825	600	610
March 8, 2024	10	10	600	350	360
March 13, 2024	10	10	350	650	660
March 19, 2024	10	10	650	340	350
March 22, 2024	10	10	340	250	260
March 27, 2024	10	10	250	150	160
March 29, 2024	10	10	150	60	70
April 5, 2024	10	10	60	400	410
April 8, 2024	10	10	400	1000	1010
April 18, 2024	10	10	1000	1500	1510
April 26, 2024	10	10	1500	360	370
May 28, 2024	10	10	360	400	410
June 4, 2024	10	10	400	360	370
June 14, 2024	10	10	360	330	340
June 21, 2024	10	10	330	300	310
June 27, 2024	10	10	300	350	360
July 2, 2024	10	50	350	350	400
July 3, 2024	50	80	350	350	430
July 5, 2024	80	120	350	400	520
July 18, 2024	120	90	400	400	490
July 24, 2024	90	60	400	400	460
July 29, 2024	60	100	400	400	500
August 12, 2024	100	140	400	400	540
August 14, 2024	140	165	400	400	565
August 22, 2024	165	140	400	400	540
August 26, 2024	140	115	400	400	515
August 30, 2024	115	215	400	300	515
September 3, 2024	215	115	300	400	515
September 5, 2024	115	150	400	400	550
September 6, 2024	150	175	400	400	575
September 10, 2024	175	150	400	400	550
September 13, 2024	150	125	400	400	525
September 16, 2024	125	100	400	400	500
September 19, 2024	100	60	400	400	460

RESERVOIR RELEASE SCHEDULE FOR 2024

Month	1 2		3		4		5		6		7		8		9		10		11		12		13		14		15		16																	
																															NACIMIENTO										SAN ANTONIO					
																															Combined Releases (cfs) ¹	Combined Releases (ac-ft)	Evap. Losses (ac-ft)	Reservoir Releases (cfs) ¹	Reservoir Releases (ac-ft)	NWP Orders (ac-ft)	NWP Diversions (ac-ft)	Beginning of Month Storage		Elev. (ft)	Evap. Losses (ac-ft)	Reservoir Releases (cfs) ¹	Reservoir Releases (ac-ft)	Beginning of Month Storage		Elev. (ft)
(ac-ft)	(%)	(ac-ft)	(%)																																											
Jan	70	4,304	509	60	3,689	499	70	216,430	57%	767.4	592	10	615	215,750	64%	755.1																														
Feb	97	5,582	547	87	5,006	696	120	234,243	62%	771.6	573	10	575	219,960	66%	756.1																														
Mar	437	26,863	904	427	26,248	937	128	330,223	87%	791.4	904	10	615	252,000	75%	763.6																														
Apr	816	48,546	1,266	806	47,951	910	123	353,665	94%	795.7	936	10	595	267,230	80%	766.9																														
May	372	22,864	1,773	362	22,249	1,493	126	335,305	89%	792.3	1,315	10	615	275,380	82%	768.6																														
Jun	353	21,029	2,434	343	20,434	1,966	124	316,240	84%	788.7	1,924	10	595	276,100	82%	768.8																														
Jul	483	29,695	2,895	393	24,145	2,043	140	293,935	78%	784.3	2,493	90	5,549	273,220	82%	768.2																														
Aug	527	32,416	2,562	396	24,369	2,043	393	266,505	71%	778.7	2,413	131	8,047	264,410	79%	766.3																														
Sep	504	29,967	2,360	368	21,888	2,000		238,840	63%	772.6	2,166	136	8,079	253,350	76%	763.9																														
Oct	303	18,625	1,588	256	15,749	1,535		213,670	57%	766.7	1,548	47	2,876	243,571	73%	761.7																														
Nov	70	4,165	808	60	3,570	1,122		195,314	52%	762.1	818	10	595	239,375	71%	760.7																														
Dec	70	4,304	486	60	3,689	503		189,807	50%	760.7	510	10	615	237,961	71%	760.4																														
Jan 2025								185,259	49%	759.6				236,856	71%	760.2																														
Totals	248,360	1,181,330	18,133	1,181,330	218,988	15,747	1,226				16,192		29,371																																	

Draft Date: 9/19/24

Notes:

1. Mean daily flow for the month in cubic feet per second.
2. Shaded areas denote actual values. Non-shaded areas are projected values.
3. Nacimiento Reservoir storage capacity: 377,900 acre feet; San Antonio Reservoir storage capacity: 335,000 acre feet.
4. Reservoir Operations Advisory Committee may make release considerations for holiday periods to benefit recreation.
5. Schedule assumes no additional storm events that provide inflow to reservoirs. Actual elevations may be influenced by inflow.
6. "NWP Diversions" are San Luis Obispo County - Nacimiento Water Project conveyance facilities diversions. Max. allowable water year (Oct. 1 - Sept. 30) diversions: 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. Schedule includes release of water from Nacimiento Reservoir beginning April 5 to ensure water level is below 787.75 feet in time for scheduled spillway maintenance.

