

Reservoir Storage & Release Update

SUMMARY/DISCUSSION:

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

RESERVOIR ELEVATION / STORAGE: As of May 22, 2024, San Antonio Reservoir has a water surface elevation of approximately 768.8 feet (NGVD 29), with 276,340 acre-feet of water in storage. Nacimiento Reservoir has a water surface elevation of approximately 790 feet, with 323,050 acre-feet of water in storage. San Antonio Reservoir is currently at 82% of storage capacity and Nacimiento Reservoir is at 85% of capacity.

RESERVOIR RELEASES: Several 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 spillway maintenance scheduled to begin in early June, 2024. On May 10, the Salinas River Diversion Facility (SRDF) began rediverting flows to supplement the recycled water project deliveries in the Castroville Seawater Intrusion Project (CSIP).

SALINAS LAGOON: High tides and large waves on December 28 and 30, 2023 caused the Salinas Lagoon to fill to over 7 feet in elevation. Agency staff managed the sandbar to open the lagoon to the ocean on January 4, 2024. The lagoon has remained open to the ocean since this action.

Releases as of May 22, 2024:

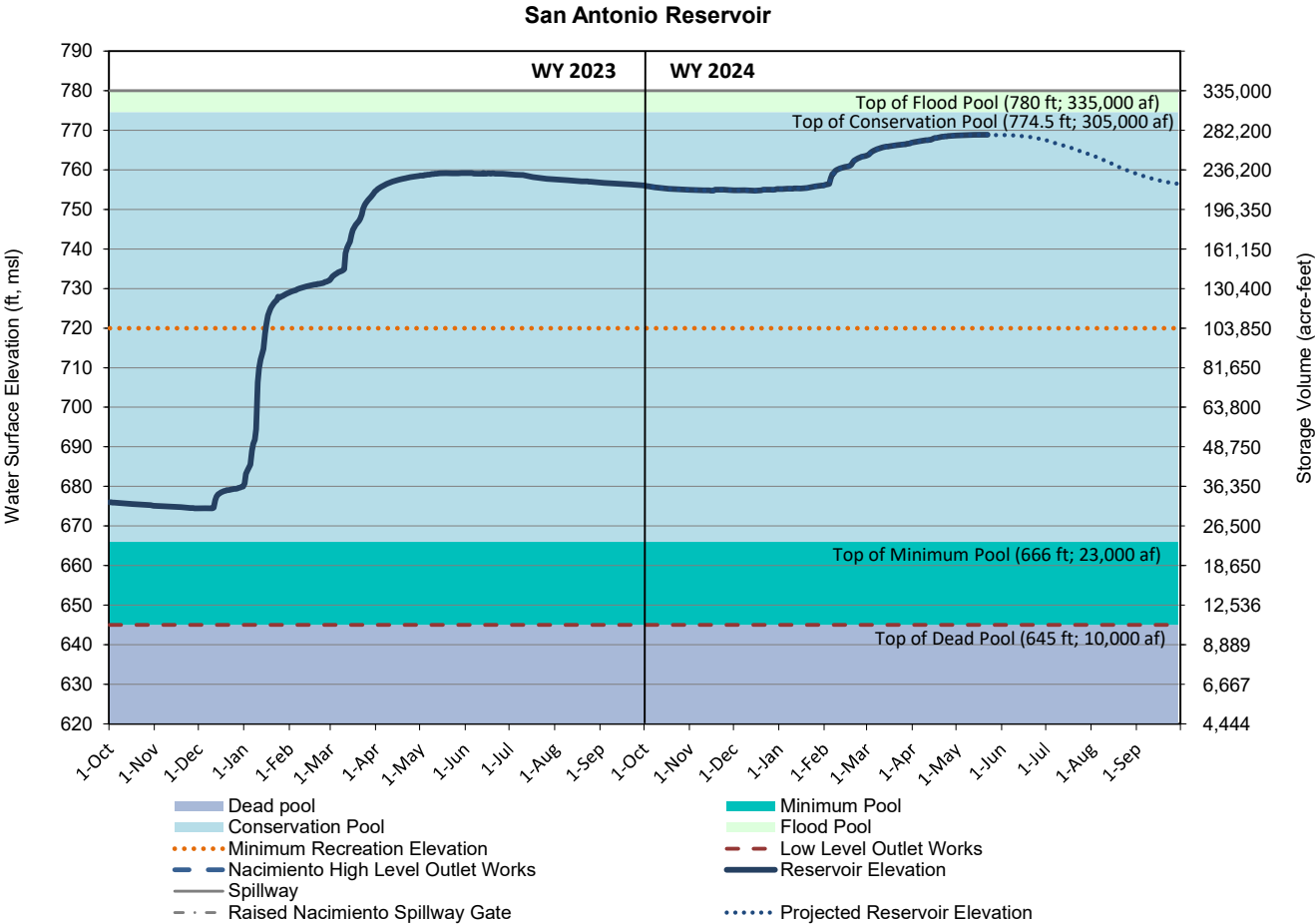
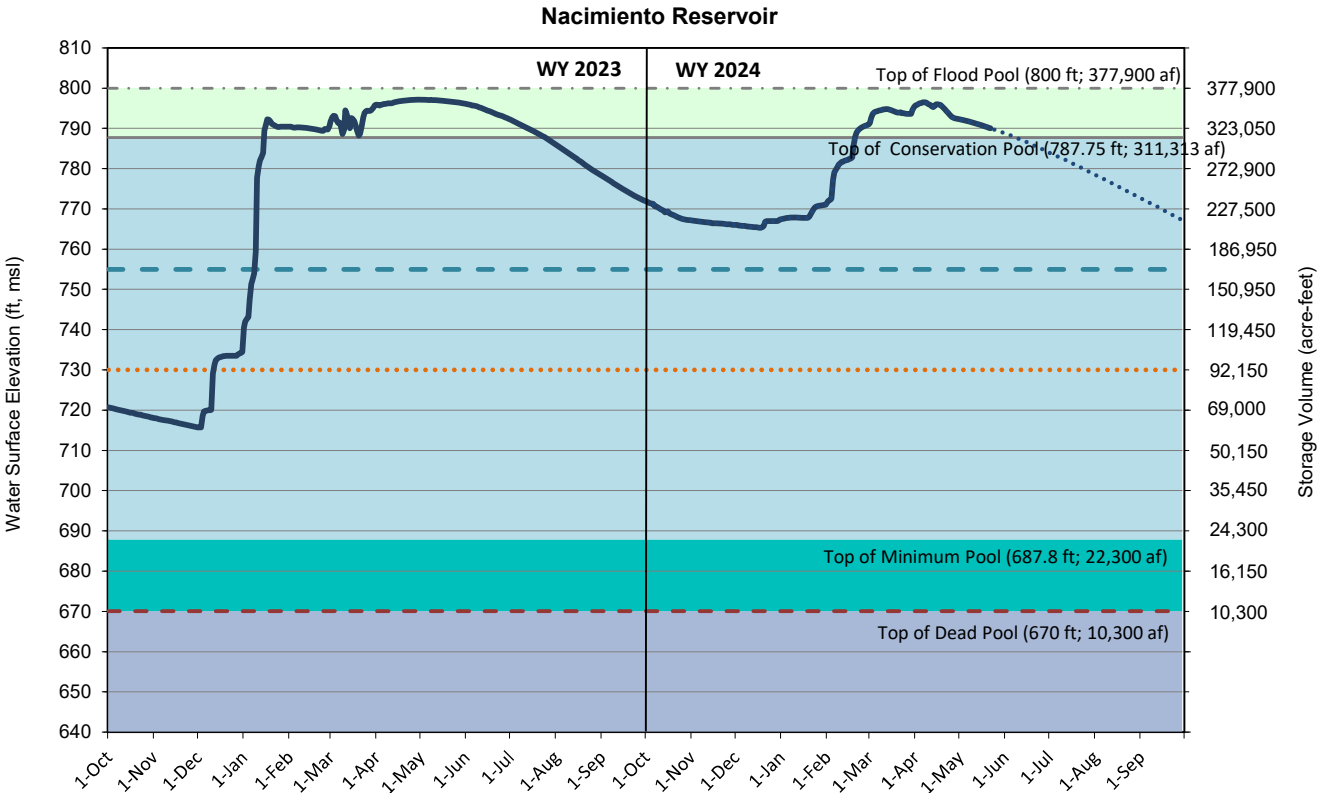
- Nacimiento Reservoir: 332 cfs
- San Antonio Reservoir: 10 cfs

Total releases from both reservoirs to the Salinas River are approximately 342 cfs. The following “provisional” flows have been recorded by the USGS:

- Salinas River near Bradley: 440 cfs
- Salinas River at Soledad: 356 cfs
- Salinas River near Chualar: 284 cfs
- Salinas River near Spreckels: 264 cfs

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Reservoir Elevation and Storage



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

RESERVOIR RELEASE SCHEDULE FOR 2024

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Month	Combined Releases (cfs) ¹	Combined Releases (ac-ft)	NACIMIENTO								SAN ANTONIO					
			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)
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	546	87	5,006	696	120	234,025	62%	771.5	573	10	575	219,960	66%	756.1
Mar	441	27,120	904	430	26,426	937	128	329,688	87%	791.3	904	11	694	252,000	75%	763.6
Apr	809	48,132	1,702	799	47,537	910	123	353,120	93%	795.6	1,311	10	595	267,230	80%	766.9
May	350	21,507	2,419	333	20,496	1,493		334,770	89%	792.2	1,913	16	1,012	275,380	82%	768.6
Jun	438	26,063	3,236	343	20,390	1,966		316,412	84%	788.7	2,683	95	5,673	276,145	82%	768.8
Jul	574	35,306	3,313	340	20,926	2,043		292,399	77%	784.0	2,862	234	14,380	269,368	80%	767.3
Aug	647	39,769	3,015	348	21,422	2,043		266,118	70%	778.6	2,630	298	18,347	251,928	75%	763.6
Sep	502	29,852	2,366	345	20,529	2,000		239,738	63%	772.8	2,161	157	9,322	230,951	69%	758.8
Oct	276	16,959	1,602	266	16,344	1,535		214,743	57%	767.0	1,521	10	615	219,944	66%	756.1
Nov	70	4,165	816	60	3,570	1,122		195,838	52%	762.3	796	10	595	217,808	65%	755.6
Dec	70	4,304	491	60	3,689	503		190,330	50%	760.9	493	10	615	216,417	65%	755.2
Jan 2025								185,782	49%	759.7				215,329	64%	754.9
Totals		263,064	20,919		210,025	15,747	442				18,438		53,039			

Draft Date: 5/22/24

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.



Synopsis of Reservoir Release Changes Since October 27, 2023

[illegible]