

December 24-Month Study
Date: December 14, 2023

From: River Operations Group, Salt Lake City
To: All Colorado River Annual Operating Plan (AOP) Recipients

Current Reservoir Status

	November Inflow (unregulated) (acre-feet)	Percent of Average (percent)	December 13 Midnight Elevation (feet)	December 13, Midnight Reservoir Storage (acre-feet)
Fontenelle	44,570	107	6491.94	231,217
Flaming Gorge	63,989	130	6028.51	3,208,362
Blue Mesa	27,907	94	7491.38	588,512
Navajo	11,502	43	6044.08	1,104,390
Powell	379,962	91	3570.31	8,541,412

Expected Operations

The operation of Lake Powell and Lake Mead in the December 2023 24-Month Study is pursuant to the December 2007 Record of Decision on Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations of Lake Powell and Lake Mead (Interim Guidelines) and reflects the 2023 Annual Operating Plan (AOP) and draft 2024 AOP. Pursuant to the Interim Guidelines, the August 2023 24-Month Study projections of the January 1, 2024, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2024.

Consistent with Section 2.D.1 of the Interim Guidelines, a Shortage Condition consistent with Section 2.D.1.b is governing the operation of Lake Mead for calendar year (CY) 2023. In addition, Section III.B of Exhibit 1 to the Lower Basin Drought Contingency Plan (DCP) Agreement will govern the operation of Lake Mead for CY 2023. Efforts to conserve additional water in Lake Mead under a 2021 Lower Basin Memorandum of Understanding (MOU) to facilitate near-term actions to maintain the water surface elevation of Lake Mead and additional conservation efforts under the Lower Colorado River Basin System Conservation and Efficiency Program (LC Conservation Program) will also take place in CY 2023.

The August 2023 24-Month study projected the January 1, 2024, Lake Powell elevation to be less than 3,575 feet and at or above 3,525 feet and the Lake Mead elevation to be at or above 1,025 feet. Consistent with Section 6.C.1 of the Interim Guidelines the operational tier for Lake Powell in water year (WY) 2024 will be the Mid-Elevation Release Tier and the water year release volume from Lake Powell will be 7.48 million acre-feet (maf).

The 2022 Drought Response Operations Agreement (DROA) Plan¹ for May 2022 through April 2023 was amended to suspend 2022 DROA Plan releases as of March 7, 2023. A total DROA release of approximately 463 thousand acre-feet (kaf) occurred under the 2022 DROA Plan. Reclamation will attempt

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to maximize DROA recovery in the Upper Initial Units in WY 2023 and through April 2024. Reclamation will provide monthly DROA accounting, including DROA releases and recovery, which can be found online at: <https://www.usbr.gov/dcp/DROSummarySheet.pdf>.

Reclamation will continue to carefully monitor hydrologic and operational conditions and assess the need for additional responsive actions and/or changes to operations. Reclamation will continue to consult with the Basin States, Basin Tribes, Mexico, and other partners on Colorado River operations to consider and determine whether additional measures should be taken to further enhance the preservation of these benefits, as well as recovery protocols, including those of future protective measures for both Lakes Powell and Mead.

The August 2023 24-Month Study projected the January 1, 2024 Lake Mead elevation to be below 1,075 feet and above 1,050 feet. Consistent with Section 2.D.1 of the Interim Guidelines, a Shortage Condition consistent with Section 2.D.1.a will govern the operation of Lake Mead for CY 2024. In addition, Section III.B of Exhibit 1 to the Lower Basin DCP Agreement will also govern the operation of Lake Mead for CY 2024. Lower Basin projections for Lake Mead take into consideration updated water orders to reflect additional conservation efforts under the LC Conservation Program.

The 2024 operational tier determinations for Lake Powell and Lake Mead will be documented in the 2024 AOP, which is currently in development.

The draft 2024 AOP is available online at:

https://www.usbr.gov/lc/region/g4000/AOP2024/AOP24_draft.pdf

The 2023 AOP is available online at:

<https://www.usbr.gov/uc/water/rsvrs/ops/aop/AOP23.pdf>

The Interim Guidelines are available online at:

<https://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf>

The Colorado River DCPs are available online at:

<https://www.usbr.gov/dcp/finaldocs.html>

The 2021 Lower Basin MOU is available online at:

https://www.usbr.gov/lc/region/g4000/2021_MOU.pdf

The Upper Basin DROA is online at:

<https://www.usbr.gov/dcp/droa.html>

The Upper Basin Hydrology Summary is available online at:

https://www.usbr.gov/uc/water/crsp/studies/24Month_11_ucb.pdf

Information on the LC Conservation Program is available online at:

<https://www.usbr.gov/lc/LCBConservation.html>

Fontenelle Reservoir

As of December 04, 2023, the Fontenelle Reservoir pool elevation is 6493.36 feet, which amounts to 72 percent of live storage capacity. Inflows for the month of November totaled approximately 44,570 acre-feet (af) or 107 percent of average.

Current release rate is set at 1,175 cfs. This release shall remain constant throughout the winter base flow period, pending significant hydrological changes or emergencies. The winter base flow period is typically from mid-November and ending approximately mid-March, pending icing conditions in the Green River downstream of the dam this coming spring.

The December final forecast for unregulated inflows into Fontenelle for the next three months projects above average conditions. December, January, and February Most Probable inflow volumes amount to 38,000 af (119 percent of average), 35,000 af (117 percent of average), and 33,000 af (118 percent of average) respectively.

The next Fontenelle Working Group meeting is April 18, 2024 at 10 AM MDT and location is pending. Details on the meeting will be provided as we get closer to the meeting date. Prior Fontenelle Working Group meeting minutes are available online on USBR's website at <https://www.usbr.gov/uc/water/crsp/wg/ft/ftcurrnt.html>. The Fontenelle Working Group is an open public forum for information exchange between Reclamation and other parties associated with the operation of Fontenelle Reservoir.

Flaming Gorge Reservoir

As of December 4, 2023 (end of day), Flaming Gorge Reservoir pool elevation is 6028.83 feet, which amounts to 88 percent of live storage capacity. Unregulated inflow volume for the month of November is approximately 64,000 acre-feet (af), which is 130 percent of the average November unregulated inflow volume.

Flaming Gorge Dam operations are in an average hydrologic classification for the month of December and are projected to remain in the average hydrologic classification through the remainder of the base flow period. The winter average daily release remains within the average hydrologic classification range of 1,500 cfs to 2,400 cfs in Reach 2, measured at the Jensen USGS Gage. Current average daily release is approximately 2,120 cfs. This data is considered the most likely scenario given the current forecast, is general, and is subject to changing conditions.

The December unregulated inflows into Flaming Gorge for the next three months projects near average. December, January, and February forecasted unregulated inflow volumes 42,000 af (127 percent of average), 48,000 af (119 percent of average), and 50,000 af (110 percent of average), respectively.

Reclamation is planning to hold Flaming Gorge Working Group meetings tentatively on March 21, 2024 and April 17, 2024, at 10:00 am (and Teams virtual meeting). The location is TBD. The Flaming Gorge Working Group is an open public forum for information exchange between Reclamation and the stakeholders of Flaming Gorge Dam. The public is encouraged to attend and comment on the operations and plans presented by Reclamation at these meetings. Meeting notes from past Working Group meetings are posted on the Working Group webpage. For more information on this group and these meetings please contact Alex Pivarnik at (385) 475 – 8329.

Aspinall Unit Reservoirs

As of December 10, 2023, releases from Crystal Dam are approximately 650 cfs. Flows of the Gunnison River in the Black Canyon are being maintained at about 620 cfs while the Gunnison Tunnel is intermittently diverting to fill Fairview Reservoir about 1 day every 2 weeks. Flows in the Whitewater Reach of the Gunnison River are about 1,260 cfs.

The unregulated inflow volume in November to Blue Mesa was 27,900 af (93 percent of average). Unregulated Inflow volumes forecasted for Blue Mesa for the next three months (November, December,

January) are projected to be: 25,000 af (100 percent of average), 23,000 af (96 percent of average) and 21,000 af (95 percent of average), respectively. The December 24-Month Study will be reflective of these new forecasted inflows.

The forecasted 2024 water year unregulated inflow volume to Blue Mesa is projected to be 777,000 af (86 percent of average). The water supply period (April-July) for 2024 is forecasted currently for an unregulated inflow volume of to be 535,000 af of unregulated inflow (84 percent of average).

The Aspinall Unit Operations Group is an open public forum for information exchange between Reclamation and the stakeholders of the Aspinall Unit. The public is encouraged to attend and comments on the operations and plans presented by Reclamation at these meetings. Meeting notes from past working Group meetings are posted on the Operations Group webpage. For more information on this group and these meetings please contact Erik Knight in the Grand Junction Area Office at (970) 248-0629.

The next Operations Group meeting will be held January 18, 2024 at 1:00 p.m., in person in Montrose Colorado. This will be an in-person meeting with an option for remote participation. Contact Erik Knight in the Grand Junction Area Office at (970) 248-0629 to get more information regarding this Operation Group meeting.

Navajo Reservoir

In December 4th, the daily average release rate from Navajo Dam was 350 cfs while reservoir inflow was averaging 223 cfs. The water surface elevation was 6044.43 feet above sea level. At this elevation the live storage is 1.11 maf (67 percent of live storage capacity) and the active storage is 0.482 maf (47 percent of active storage capacity). Diversions to Cutter Reservoir for the Navajo Indian Irrigation Project (NIIP) and the Navajo Gallup Water Supply Project (NGWSP) have ceased for the year. Due to streamflows below minimum bypass, 0 cfs is being diverted to the San Juan-Chama Project (SJC) above Navajo Reservoir. NIIP has diverted 197 kaf and SJC has diverted 142 kaf since January 1st of this year.

Releases from Navajo Dam are made for authorized purposes of the Navajo Unit and are pursuant to the Record of Decision for the Navajo Reservoir Operations. Releases target the San Juan River Recovery Implementation Program's (SJ RIP) recommended downstream baseflow range of 500 cfs to 1,000 cfs through the critical habitat reach of the San Juan River (Farmington, NM to Lake Powell).

Preliminary modified unregulated inflow (MUI) into Navajo in November was 11.4 kaf (43 percent of average). The release averaged 340 cfs and totaled 20.3 kaf, which was 73 percent of average for the month. Navajo had a net storage change of -13 kaf in November.

The most probable MUI forecast for December, January, and February is 11 kaf (53 percent of average), 12.5 kaf (62 percent of average), and 16 kaf (59 percent of average), respectively.

Reclamation conducts Public Operations Meetings three times per year to gather input for determining upcoming operations for Navajo Reservoir. Input from individuals, organizations, and agencies along with other factors such as weather, water rights, endangered species requirements, flood control, hydro power, recreation, fish and wildlife management, and reservoir levels, will be considered in the development of these reservoir operation plans. In addition, the meetings are used to coordinate activities and exchange information among agencies, water users, and other interested parties concerning the San Juan River and Navajo Reservoir. The next meeting will be held on Tuesday, January 16th 2024 at 1:00 PM. This meeting is

open to the public, and will be held at the Farmington Civic Center, 200 West Arrington, in Farmington, New Mexico (subject to change based on guidance at the time). The meeting will also have a virtual option.

Glen Canyon Dam / Lake Powell

Current Status

The unregulated inflow volume to Lake Powell during November was 380 thousand acre-feet (kaf) (91 percent of average). The release volume from Glen Canyon Dam in November was 500 kaf. The end of November elevation and storage of Lake Powell were 3,571.43 feet (129 feet from full pool) and 8.63 million acre-feet (maf) (36 percent of live capacity), respectively.

Current Operations

The August 2023 24-Month study projects the January 1, 2023, Lake Powell elevation to be less than 3,575 feet and at or above 3,525 feet and the Lake Mead elevation to be at or above 1,025 feet. Consistent with Section 6.C.1 of the Interim Guidelines the operational tier for Lake Powell in water year 2024 is the Mid-Elevation Release Tier and the water year release volume from Lake Powell is 7.48 maf.

December release volume will be 600,000 acre-feet and hourly releases will fluctuate from a low of approximately 6,157 cubic feet per second (cfs) during the early morning hours to a high of 11,558 cfs during the afternoon and evening hours with a Sunday minimum of 5,022 cfs. The anticipated monthly release volume for January is anticipated to be 723,000 acre-feet.

In addition to daily scheduled fluctuations for power generation, the instantaneous releases from Glen Canyon Dam may also fluctuate to provide 40 megawatts (MW) of system regulation. These instantaneous release adjustments stabilize the electrical generation and transmission system and translate to a range of about 1,300 cfs above or below the hourly scheduled release rate. Under normal system conditions, fluctuations for regulation are typically short lived and generally balance out over the hour with minimal or no noticeable impacts on downstream river flow conditions.

Releases from Glen Canyon Dam can also fluctuate beyond scheduled releases when called upon to respond to unscheduled power outages or power system emergencies. Depending on the severity of the system emergency, the response from Glen Canyon Dam can be significant, within the full range of the operating capacity of the power plant for as long as is necessary to maintain balance in the transmission system. Glen Canyon Dam currently maintains 30 MW (approximately 1,300 cfs) of generation capacity in reserve in order to respond to a system emergency even when generation rates are already high. System emergencies occur infrequently and typically require small responses from Glen Canyon Dam. However, these responses can have a noticeable impact on the river downstream of Glen Canyon Dam.

Inflow Forecasts and Model Projections

The forecast for water year 2024 unregulated inflow to Lake Powell, issued on December 1, 2023, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume in water year 2024 will be 7.62 maf (79 percent of average).

In addition to the December 2023 24-Month Study based on the Most Probable inflow scenario, and in accordance with the Upper Basin Drought Response Operations Agreement (DROA), Reclamation has conducted model runs in December to determine a possible range of reservoir elevations. The December 2023 24-Month Study probable most and minimum and the October 2023 maximum probable inflow scenarios were used to determine the range of probable outcomes. The probable minimum and probable maximum model runs are conducted simultaneously in January, April, August, and October, or when necessary to incorporate changing conditions. The probable minimum inflow scenario reflects a dry hydrologic condition which statistically would be exceeded 90 percent of the time. The most probable inflow scenario reflects a median hydrologic condition which statistically would be exceeded 50 percent of the time. The probable maximum inflow scenario reflects a wet hydrologic condition which statistically would be exceeded 10 percent of the time. There is approximately an 80 percent probability that a future elevation will fall inside the range of the minimum and maximum inflow scenarios. Additionally, there are possible inflow scenarios that would result in reservoir elevations falling outside the ranges indicated in these reports.

The DROA coordination will continue until either (i) the minimum probable projected elevation remains above 3,525 feet for 24 months or (ii) the process moves to the next step when the most probable projected elevation indicates Powell elevations below 3,525 feet and a Drought Response Operations Plan is developed. This current Plan is described above and available for review here:

<https://www.usbr.gov/dcp/droa.html>.

The December forecast for WY 2024 ranges from a minimum probable of 4.90 maf (51% of average) to a forecasted December 24-Month Study maximum probable of 13.5 maf (141 percent of average). There is a 10 percent chance that inflows could be higher than the current maximum probable forecast and a 10 percent chance that inflows could be lower than the minimum probable forecast.

Based on the current forecast for water year 2024 of 7.62 maf unregulated, the December 24-Month Study projects Lake Powell elevation will end calendar year 2024 near 3568.50 feet with approximately 8.14 maf in storage (36 percent of capacity). Note that projections of elevation and storage for calendar year 2024 have significant uncertainty at this point in the season. Projections of end of calendar year 2024 elevation using the December minimum and October maximum inflow forecast results are 3,534.57 feet and 3,657.44 feet, respectively. The annual release volume from Lake Powell during water year 2024 is 7.48 maf under the Mid-Elevation Release Tier as determined under Section 6.C.1 of the Interim Guidelines as determined by the Department of the Interior as described above.

Upper Colorado River Basin Hydrology

Upper Colorado River Basin regularly experiences significant year to year hydrologic variability. The 30-year average was updated in October 2022 from 1981 through 2010 to 1991 through 2020. Shifting the period of record decreased the average unregulated inflow 1.20 maf. The period 2000-2022 is the lowest 23-year period since the closure of Glen Canyon Dam in 1963, with an average unregulated inflow of 8.29 maf, or 93 percent of the 30-year average (1991-2020). (For comparison, the 1991-2020 total water year average is 9.60 maf.) The unregulated inflow during the 2000-2022 period has ranged from a low of 2.64 maf (28 percent of average) in water year 2002 to a high of 15.97 maf (166 percent of average) in water year 2011. In water year 2021 unregulated inflow volume to Lake Powell was 3.50 maf (36 percent of average), the second driest year on record above 2002. Under the current most probable forecast, the total water year 2024 unregulated inflow to Lake Powell is projected to be 7.62 maf (79 percent of average).

At the beginning of water year 2024, total system storage in the Colorado River Basin was 25.27 maf (43 percent of 58.48 maf total system capacity). This is an increase of 5.72 maf over the total storage at the beginning of water year 2023 when total system storage was 19.55 maf (33 percent of capacity). Since the beginning of water year 2000, total Colorado Basin storage has experienced year to year increases and decreases in response to wet and dry hydrology, ranging from a high of 94 percent of capacity at the beginning of 2000 to the beginning of water year 2023 with 19.55 maf (33 percent of capacity). Based on current inflow forecasts, the current projected end of water year 2024 total Colorado Basin reservoir storage is approximately 24.32 maf (41.6 percent of total system capacity). The actual end of water year 2024 system storage may vary from this projection, primarily due to uncertainty regarding this season's runoff and reservoir inflow.



To: All Annual Operating Plan Recipients

From: Noe Santos, P.E.
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From: Alex Pivarnik
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Upper Colorado Operations Office
Interior Region 7: Upper Colorado Basin
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Subject: December 2023 Most Probable 24-Month Study

The operation of Lake Powell and Lake Mead in the December 2023 24-Month Study is pursuant to the December 2007 Record of Decision on Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations of Lake Powell and Lake Mead (Interim Guidelines) and reflects the 2023 Annual Operating Plan (AOP) and draft 2024 AOP. Pursuant to the Interim Guidelines, the August 2023 24-Month Study projections of the January 1, 2024, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2024.

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In May of 2023, the DROA Parties agreed to the 2023 DROA Plan. The 2023 DROA Plan does not include any DROA releases, but rather provides for recovery of prior DROA releases from the units upstream of Powell.

Reclamation will continue to carefully monitor hydrologic and operational conditions and assess the need for additional responsive actions and/or changes to operations. Reclamation will continue to consult with the Basin States, Basin Tribes, Mexico, and other partners on Colorado River operations to consider and determine whether additional measures should be taken to further enhance the preservation of these benefits, as well as recovery protocols, including those of future protective measures for both Lakes Powell and Mead.

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The 2024 operational tier determinations for Lake Powell and Lake Mead will be documented in the 2024 AOP, which is currently in development.

Current runoff projections into Lake Powell are provided by the National Weather Service's Colorado Basin River Forecast Center. The observed unregulated inflow into Lake Powell for the month of November was 0.380 maf or 91% of the 30-year average from 1991 to 2020. The December 2023 unregulated inflow forecast for Lake Powell is 0.315 maf or 98% of the 30-year average. The 2024 April through July unregulated inflow forecast for Lake Powell is 4.80 maf or 75% of average. The WY 2024 unregulated inflow forecast for Lake Powell is 7.62 maf or 79% of average.

In this study, the CY 2023 diversion for Metropolitan Water District of Southern California (MWD) is projected to be 0.667 maf. The CY 2023 diversion for the Central Arizona Project (CAP) is projected to be 0.830 maf. Consumptive use for Nevada above Hoover (SNWP Use) is projected to be 0.187 maf for CY 2023.

Due to changing Lake Mead elevations, Hoover's generator capacity is adjusted based on estimated effective capacity and plant availability. The estimated effective capacity is based on projected Lake Mead elevations. Unit capacity tests will be performed as the lake elevation changes. This study reflects these changes in the projections.

Hoover, Davis, and Parker Dam historical gross energy figures come from Power, Operations, and Maintenance reports provided by the Lower Colorado Region's Power Office, Bureau of Reclamation, Boulder City, Nevada. Questions regarding these historical energy numbers can be directed to Rebecca Rogers at (702) 293-8091.

Runoff and inflow projections into upper basin reservoirs are provided by the National Weather Service's Colorado Basin River Forecast Center and are as follows:

Reservoir	Observed Inflow (kaf)				Nov	Inflow Forecast (kaf)		
	Aug	Sep	Oct	Nov	%Avg	Dec	Jan	Feb
Lake Powell	307	224	324	380	91%	315	340	360
Fontenelle	74	50	53	45	108%	38	35	33
Flaming Gorge	95	67	69	64	129%	42	48	50
Blue Mesa	49	26	30	28	94%	25	23	21
Morrow Point	49	27	31	29	92%	26	25	23
Crystal	52	29	32	31	87%	29	29	26
Taylor Park	8.8	5.5	6.1	5.1	108%	4.4	4.2	3.8
Vallecito	10.6	8.7	6.3	3.6	46%	4	3.8	3.5
Navajo	-3.53	0.86	12.3	11.4	43%	11	12.5	16
Lemon	2	1.77	0.94	0.55	38%	0.5	0.5	0.5
McPhee	10	8.3	3.1	1.51	34%	2.8	3.2	3.6
Ridgway	11.2	5.8	5.2	4.3	79%	4	3.5	3.5
Deerlodge	19	8.2	19.9	24	80%	24	25	25
Durango	23	15	12.7	9.3	57%	10	10	10

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2023 24-Month Study

Most Probable Inflow*

Fontenelle Reservoir

— BUREAU OF —
RECLAMATION

Date	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	
*	Dec 2022	29	1	56	2	58	6486.14	194
H	Jan 2023	32	1	58	0	59	6481.53	167
I	Feb 2023	28	0	10	43	53	6476.59	141
S	Mar 2023	30	0	55	3	58	6470.02	113
T	Apr 2023	75	1	61	0	61	6473.29	126
O	May 2023	323	1	102	95	198	6494.66	250
R	Jun 2023	413	2	92	269	361	6501.41	299
I	Jul 2023	141	3	86	41	127	6502.91	310
C	Aug 2023	74	2	71	3	74	6502.60	308
A	Sep 2023	50	2	70	1	71	6499.60	285
	WY 2023	1265	15	693	545	1238		
L	Oct 2023	53	1	65	3	68	6497.41	269
*	Nov 2023	45	1	68	0	68	6494.04	246
	Dec 2023	38	1	72	0	72	6488.83	211
	Jan 2024	35	1	72	0	72	6482.60	173
	Feb 2024	33	1	68	0	68	6475.81	138
	Mar 2024	48	0	71	0	71	6470.40	114
	Apr 2024	70	1	35	20	55	6473.90	129
	May 2024	130	1	95	0	95	6480.87	163
	Jun 2024	275	2	102	49	151	6499.54	285
	Jul 2024	140	3	102	3	105	6503.89	318
	Aug 2024	55	2	92	0	92	6498.71	279
	Sep 2024	40	2	70	0	70	6494.23	247
	WY 2024	961	15	911	74	985		
	Oct 2024	45	1	0	55	55	6492.56	235
	Nov 2024	42	1	0	59	59	6489.89	218
	Dec 2024	32	1	20	45	65	6484.60	184
	Jan 2025	31	1	65	0	65	6478.40	150
	Feb 2025	29	0	58	0	58	6471.93	120
	Mar 2025	51	0	53	0	53	6471.29	118
	Apr 2025	77	1	38	10	48	6477.58	146
	May 2025	166	1	92	0	92	6490.04	219
	Jun 2025	301	2	104	129	233	6499.43	284
	Jul 2025	146	3	102	5	106	6504.38	321
	Aug 2025	59	2	73	0	73	6502.23	305
	Sep 2025	39	2	65	0	65	6498.42	277
	WY 2025	1018	15	671	302	973		
	Oct 2025	45	1	68	0	68	6495.10	253
	Nov 2025	42	1	65	0	65	6491.58	229

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

Model Run ID: 3241

Processed On: 12/12/2023 12:51:19PM



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2023 24-Month Study

Most Probable Inflow*

Flaming Gorge Reservoir

— BUREAU OF —
RECLAMATION

	Date	Unreg Inflow (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Jensen Flow (1000 Ac-Ft)
*	Dec 2022	26	57	2	107	0	107	96	6008.59	2540	135
H	Jan 2023	38	65	2	108	0	108	95	6007.19	2497	143
I	Feb 2023	33	58	2	98	0	98	93	6005.89	2457	134
S	Mar 2023	49	77	3	61	5	66	93	6006.15	2465	119
T	Apr 2023	188	181	4	48	0	48	98	6010.17	2589	403
O	May 2023	521	397	7	49	0	49	111	6020.21	2917	1044
R	Jun 2023	574	512	10	114	42	157	125	6029.59	3249	672
I	Jul 2023	174	166	13	75	1	76	128	6031.49	3323	173
C	Aug 2023	95	93	13	112	0	112	126	6030.69	3292	152
A	Sep 2023	67	88	11	114	0	114	125	6029.77	3256	142
	WY 2023	1847	1821	74	1099	48	1147			3391	
L	Oct 2023	69	84	7	100	0	100	124	6029.17	3233	137
*	Nov 2023	64	85	4	89	0	89	124	6028.99	3226	126
	Dec 2023	42	76	2	131	0	131	122	6027.51	3172	155
	Jan 2024	48	85	2	131	0	131	120	6026.22	3126	156
	Feb 2024	50	85	2	123	0	123	118	6025.12	3087	148
	Mar 2024	100	123	3	74	0	74	120	6026.38	3132	134
	Apr 2024	115	100	5	72	0	72	121	6027.00	3154	247
	May 2024	185	150	7	184	0	184	119	6025.89	3114	634
	Jun 2024	350	226	10	126	0	126	123	6028.32	3201	476
	Jul 2024	155	120	13	76	0	76	124	6029.10	3230	131
	Aug 2024	65	102	12	106	0	106	123	6028.68	3215	122
	Sep 2024	46	76	11	104	0	104	122	6027.66	3178	120
	WY 2024	1289	1311	77	1316	0	1316			2585	
	Oct 2024	52	62	7	72	0	72	121	6027.22	3162	98
	Nov 2024	51	68	3	64	0	64	121	6027.25	3163	96
	Dec 2024	34	67	2	92	0	92	120	6026.51	3136	117
	Jan 2025	42	76	2	92	0	92	120	6026.02	3119	117
	Feb 2025	43	72	2	83	0	83	119	6025.66	3106	108
	Mar 2025	85	87	3	57	0	57	120	6026.40	3133	131
	Apr 2025	111	82	5	55	0	55	121	6026.99	3154	258
	May 2025	239	165	7	198	0	198	119	6025.91	3115	711
	Jun 2025	389	321	10	98	0	98	128	6031.41	3320	465
	Jul 2025	161	121	14	76	0	76	129	6032.17	3350	136
	Aug 2025	66	80	13	106	0	106	127	6031.22	3313	125
	Sep 2025	43	69	11	104	0	104	126	6030.08	3268	117
	WY 2025	1316	1271	79	1098	0	1098			2480	
	Oct 2025	52	75	7	74	0	74	125	6029.92	3262	100
	Nov 2025	50	73	4	62	0	62	126	6030.11	3269	92



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2023 24-Month Study

Most Probable Inflow*

Taylor Park Reservoir

— BUREAU OF —
RECLAMATION

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Dec 2022	5	5	9307.68	66
H	Jan 2023	4	5	9307.08	65
I	Feb 2023	4	5	9306.26	64
S	Mar 2023	4	5	9305.50	63
T	Apr 2023	7	9	9304.30	61
O	May 2023	39	20	9316.35	80
R	Jun 2023	50	28	9328.01	102
I	Jul 2023	22	26	9326.25	99
C	Aug 2023	9	21	9319.91	87
A	Sep 2023	6	15	9314.22	77
	WY 2023	159	151		
L	Oct 2023	6	6	9314.04	77
*	Nov 2023	5	6	9313.41	75
	Dec 2023	4	6	9312.11	73
	Jan 2024	4	6	9310.78	71
	Feb 2024	4	6	9309.81	70
	Mar 2024	5	6	9309.08	68
	Apr 2024	8	9	9308.44	67
	May 2024	25	15	9314.60	77
	Jun 2024	39	18	9326.10	98
	Jul 2024	15	21	9322.97	92
	Aug 2024	8	18	9317.49	82
	Sep 2024	6	15	9312.20	73
	WY 2024	129	133		
	Oct 2024	7	9	9310.97	71
	Nov 2024	5	5	9310.94	71
	Dec 2024	4	5	9310.16	70
	Jan 2025	5	5	9310.03	70
	Feb 2025	4	5	9309.53	69
	Mar 2025	5	5	9309.40	69
	Apr 2025	9	9	9309.40	69
	May 2025	26	15	9316.06	80
	Jun 2025	40	18	9327.88	102
	Jul 2025	15	21	9324.81	96
	Aug 2025	8	18	9319.45	86
	Sep 2025	7	18	9313.11	75
	WY 2025	135	134		
	Oct 2025	7	9	9311.90	73
	Nov 2025	5	5	9311.86	73



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2023 24-Month Study

Most Probable Inflow*

Blue Mesa Reservoir

— BUREAU OF —
RECLAMATION

Date	UnReg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	
*	Dec 2022	24	25	0	6	10	17	7446.44	290
H	Jan 2023	24	25	0	20	0	20	7447.43	295
I	Feb 2023	20	21	0	20	0	20	7447.61	296
S	Mar 2023	25	26	0	19	0	19	7448.79	303
T	Apr 2023	77	79	1	23	0	23	7458.56	358
O	May 2023	327	309	1	77	0	77	7491.44	589
R	Jun 2023	312	290	1	106	6	131	7510.36	747
I	Jul 2023	117	120	1	125	1	126	7509.50	739
C	Aug 2023	49	61	1	105	0	105	7504.26	694
A	Sep 2023	26	36	1	15	85	100	7496.50	629
	WY 2023	1060	1052	8	517	170	706		
L	Oct 2023	30	30	1	30	33	63	7492.37	596
*	Nov 2023	28	29	0	33	0	33	7491.85	592
	Dec 2023	25	27	0	37	0	37	7490.62	583
	Jan 2024	23	25	0	34	0	34	7489.47	574
	Feb 2024	21	23	0	32	0	32	7488.17	563
	Mar 2024	32	33	0	35	0	35	7487.90	561
	Apr 2024	60	61	1	52	0	52	7488.94	569
	May 2024	170	160	1	136	0	136	7491.83	592
	Jun 2024	230	209	1	63	0	63	7509.20	736
	Jul 2024	75	81	2	102	0	102	7506.59	714
	Aug 2024	50	60	1	107	0	107	7500.91	666
	Sep 2024	33	42	1	95	0	95	7494.30	612
	WY 2024	777	780	9	756	33	789		
	Oct 2024	36	38	1	73	0	73	7489.85	576
	Nov 2024	30	30	0	24	0	24	7490.62	583
	Dec 2024	26	27	0	28	0	28	7490.52	582
	Jan 2025	25	25	0	34	0	34	7489.37	573
	Feb 2025	23	24	0	30	0	30	7488.53	566
	Mar 2025	38	38	0	37	0	37	7488.66	567
	Apr 2025	78	78	1	51	0	51	7491.96	593
	May 2025	204	193	1	147	0	147	7497.53	638
	Jun 2025	251	229	1	65	0	65	7516.34	800
	Jul 2025	86	92	2	99	0	99	7515.41	791
	Aug 2025	55	65	1	103	0	103	7511.03	752
	Sep 2025	35	46	1	97	0	97	7505.00	700
	WY 2025	887	886	9	788	0	788		
	Oct 2025	36	38	1	87	0	87	7499.11	651
	Nov 2025	31	31	0	51	0	51	7496.68	631

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

Model Run ID: 3241

Processed On: 12/12/2023 12:51:19PM



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2023 24-Month Study

Most Probable Inflow*

Morrow Point Reservoir

— BUREAU OF —
RECLAMATION

Date	Unreg Inflow (1000 Ac-Ft)	Blue Mesa Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	
*	Dec 2022	26	17	2	18	20	0	20	7141.82	103
H	Jan 2023	26	20	2	21	20	0	20	7144.03	105
I	Feb 2023	21	20	1	21	18	0	18	7148.07	108
S	Mar 2023	26	19	2	21	19	0	19	7149.91	109
T	Apr 2023	85	23	8	31	30	0	30	7151.54	110
O	May 2023	364	77	37	114	112	0	112	7153.72	112
R	Jun 2023	331	131	18	149	142	2	149	7153.53	112
I	Jul 2023	121	126	4	130	130	0	130	7152.51	111
C	Aug 2023	49	105	0	105	105	0	105	7152.17	111
A	Sep 2023	27	100	1	100	102	0	102	7150.01	109
	WY 2023	1136	706	76	782	780	2	787		
L	Oct 2023	31	63	1	64	68	0	68	7144.23	105
*	Nov 2023	29	33	1	33	33	0	33	7145.52	106
	Dec 2023	26	37	1	38	31	0	31	7153.73	112
	Jan 2024	25	34	2	36	36	0	36	7153.73	112
	Feb 2024	23	32	2	34	34	0	34	7153.73	112
	Mar 2024	36	35	4	39	39	0	39	7153.73	112
	Apr 2024	70	52	10	62	62	0	62	7153.73	112
	May 2024	195	136	25	161	161	0	161	7153.73	112
	Jun 2024	250	63	20	83	83	0	83	7153.72	112
	Jul 2024	80	102	5	107	107	0	107	7153.73	112
	Aug 2024	53	107	3	110	110	0	110	7153.73	112
	Sep 2024	35	95	2	97	97	0	97	7153.73	112
	WY 2024	852	789	76	865	861	0	861		
	Oct 2024	37	73	1	74	74	0	74	7153.73	112
	Nov 2024	32	24	2	26	26	0	26	7153.73	112
	Dec 2024	27	28	1	29	29	0	29	7153.73	112
	Jan 2025	26	34	1	35	35	0	35	7153.73	112
	Feb 2025	25	30	2	32	32	0	32	7153.73	112
	Mar 2025	40	37	2	39	39	0	39	7153.73	112
	Apr 2025	89	51	11	62	62	0	62	7153.73	112
	May 2025	226	147	22	169	169	0	169	7153.73	112
	Jun 2025	265	65	14	79	79	0	79	7153.72	112
	Jul 2025	90	99	4	103	103	0	103	7153.73	112
	Aug 2025	56	103	1	104	104	0	104	7153.73	112
	Sep 2025	36	97	1	98	98	0	98	7153.73	112
	WY 2025	949	788	62	850	849	0	849		
	Oct 2025	37	87	1	88	88	0	88	7153.73	112
	Nov 2025	32	51	1	52	52	0	52	7153.73	112



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2023 24-Month Study

Most Probable Inflow*

Crystal Reservoir

— BUREAU OF —
RECLAMATION

	Unreg Inflow (1000 Ac-Ft)	Morrow Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Tunnel Flow (1000 Ac-Ft)	Below Tunnel Flow (1000 Ac-Ft)
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)
*	Dec 2022	28	20	2	22	22	0	22	6751.64	17	2
H	Jan 2023	28	20	2	22	22	0	22	6751.37	16	2
I	Feb 2023	23	18	2	20	4	16	20	6751.71	17	1
S	Mar 2023	29	19	2	22	0	22	22	6751.16	16	2
T	Apr 2023	97	30	12	42	20	21	41	6752.29	17	19
O	May 2023	406	112	42	154	108	41	155	6751.26	16	48
R	Jun 2023	357	149	26	176	119	34	174	6757.16	18	63
I	Jul 2023	128	130	7	137	117	20	138	6752.61	17	67
C	Aug 2023	52	105	3	108	108	0	108	6751.75	17	66
A	Sep 2023	29	102	2	104	104	0	104	6752.00	17	63
	WY 2023	1243	787	106	894	698	167	893		374	547
L	Oct 2023	32	68	1	69	32	39	70	6747.66	15	49
*	Nov 2023	31	33	3	35	35	0	35	6747.08	15	14
	Dec 2023	29	31	3	34	33	0	33	6753.04	17	0
	Jan 2024	29	36	4	40	40	0	40	6753.04	17	0
	Feb 2024	26	34	3	37	37	0	37	6753.04	17	0
	Mar 2024	42	39	6	45	45	0	45	6753.04	17	5
	Apr 2024	80	62	10	72	72	0	72	6753.04	17	42
	May 2024	225	161	30	191	134	57	191	6753.04	17	62
	Jun 2024	280	83	30	113	113	0	113	6753.03	17	61
	Jul 2024	90	107	10	117	117	0	117	6753.04	17	65
	Aug 2024	60	110	7	117	117	0	117	6753.04	17	65
	Sep 2024	39	97	4	101	101	0	101	6753.04	17	55
	WY 2024	963	861	111	972	875	96	971		419	554
	Oct 2024	43	74	6	80	56	23	80	6753.04	17	55
	Nov 2024	36	26	4	30	30	0	30	6753.04	17	0
	Dec 2024	32	29	5	34	34	0	34	6753.04	17	0
	Jan 2025	31	35	5	40	40	0	40	6753.04	17	0
	Feb 2025	29	32	4	36	36	0	36	6753.04	17	0
	Mar 2025	46	39	6	45	45	0	45	6753.04	17	5
	Apr 2025	100	62	11	73	73	0	73	6753.04	17	42
	May 2025	251	169	25	194	134	60	194	6753.04	17	62
	Jun 2025	293	79	28	107	107	0	107	6753.03	17	61
	Jul 2025	98	103	8	111	111	0	111	6753.04	17	65
	Aug 2025	63	104	7	111	111	0	111	6753.04	17	65
	Sep 2025	42	98	6	104	104	0	104	6753.04	17	55
	WY 2025	1064	849	115	964	881	83	964		410	554
	Oct 2025	43	88	6	94	60	33	94	6753.04	17	49
	Nov 2025	37	52	5	57	57	0	57	6753.04	17	49

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

Model Run ID: 3241

Processed On: 12/12/2023 12:51:19PM



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2023 24-Month Study

Most Probable Inflow*

Vallecito Reservoir

— BUREAU OF —
RECLAMATION

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Dec 2022	5	0	7641.15	67
H	Jan 2023	5	0	7643.44	72
I	Feb 2023	5	2	7644.74	75
S	Mar 2023	7	36	7630.44	46
T	Apr 2023	36	45	7625.05	36
O	May 2023	119	64	7651.55	91
R	Jun 2023	75	41	7664.54	124
I	Jul 2023	22	37	7658.55	108
C	Aug 2023	11	38	7647.43	81
A	Sep 2023	9	32	7636.60	57
	WY 2023	314	299		
L	Oct 2023	6	9	7635.08	54
*	Nov 2023	4	0	7636.68	57
	Dec 2023	4	2	7637.71	60
	Jan 2024	4	2	7638.72	62
	Feb 2024	4	2	7639.76	64
	Mar 2024	5	2	7641.15	67
	Apr 2024	13	2	7646.05	78
	May 2024	58	31	7656.87	104
	Jun 2024	42	43	7656.38	103
	Jul 2024	14	41	7644.77	75
	Aug 2024	11	38	7631.62	48
	Sep 2024	10	29	7619.32	28
	WY 2024	175	201		
	Oct 2024	13	16	7616.50	25
	Nov 2024	8	2	7621.22	31
	Dec 2024	7	2	7624.69	36
	Jan 2025	6	2	7627.24	40
	Feb 2025	5	2	7629.15	43
	Mar 2025	10	2	7633.55	51
	Apr 2025	23	2	7643.65	72
	May 2025	68	31	7658.71	109
	Jun 2025	62	49	7663.61	122
	Jul 2025	21	42	7655.50	101
	Aug 2025	15	38	7645.87	77
	Sep 2025	16	30	7639.55	64
	WY 2025	254	216		
	Oct 2025	13	17	7637.44	59
	Nov 2025	9	2	7640.83	66



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2023 24-Month Study

Most Probable Inflow*

Navajo Reservoir

— BUREAU OF —
RECLAMATION

Date	Mod Unreg Inflow (1000 Ac-Ft)	Azotea Tunnel Div (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	NIIP Diversion (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Farmington Flow (1000 Ac-Ft)	
*	Dec 2022	17	0	12	0	0	22	6018.45	852	37
H	Jan 2023	20	0	15	0	0	20	6017.85	847	34
I	Feb 2023	18	0	15	1	1	18	6017.38	843	31
S	Mar 2023	71	0	98	1	3	18	6025.86	920	46
T	Apr 2023	245	24	235	2	8	21	6045.83	1124	108
O	May 2023	488	59	375	3	28	127	6063.70	1340	344
R	Jun 2023	249	47	163	4	38	168	6060.10	1294	342
I	Jul 2023	46	11	49	4	45	32	6057.46	1261	82
C	Aug 2023	-3	1	23	3	42	42	6052.15	1196	45
A	Sep 2023	1	0	24	3	25	46	6047.88	1147	47
	WY 2023	1219	145	1059	24	195	565		1203	
L	Oct 2023	12	0	16	2	7	32	6045.70	1122	39
*	Nov 2023	12	0	8	1	0	20	6044.53	1109	34
	Dec 2023	11	0	9	1	0	19	6043.53	1098	30
	Jan 2024	13	0	11	1	0	19	6042.74	1090	30
	Feb 2024	16	0	14	1	0	17	6042.33	1085	28
	Mar 2024	45	3	39	1	6	18	6043.57	1099	33
	Apr 2024	92	10	71	2	21	19	6046.09	1127	49
	May 2024	195	26	143	3	36	18	6053.47	1212	130
	Jun 2024	120	14	106	4	52	18	6056.18	1245	133
	Jul 2024	30	2	56	4	55	34	6053.05	1207	74
	Aug 2024	25	2	50	3	46	35	6050.11	1172	62
	Sep 2024	30	1	48	3	25	30	6049.30	1163	52
	WY 2024	601	58	569	25	248	280		695	
	Oct 2024	35	2	37	2	9	18	6050.01	1171	41
	Nov 2024	30	1	23	1	0	18	6050.37	1175	35
	Dec 2024	24	0	19	1	0	18	6050.34	1175	33
	Jan 2025	22	0	18	1	0	18	6050.23	1174	31
	Feb 2025	29	1	25	1	0	17	6050.84	1181	29
	Mar 2025	92	10	74	2	5	18	6054.91	1229	41
	Apr 2025	147	18	107	2	21	18	6060.25	1296	69
	May 2025	251	34	180	4	35	18	6069.49	1418	153
	Jun 2025	187	25	149	5	51	18	6074.80	1493	162
	Jul 2025	33	2	51	5	55	29	6072.17	1456	80
	Aug 2025	24	1	45	4	47	33	6069.45	1418	62
	Sep 2025	31	2	43	3	26	101	6062.98	1331	127
	WY 2025	905	96	771	28	249	325		864	
	Oct 2025	35	2	38	2	9	18	6063.60	1339	41
	Nov 2025	30	1	22	1	0	18	6063.83	1342	36



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2023 24-Month Study

Most Probable Inflow*

Lake Powell

— BUREAU OF —
RECLAMATION

	Unreg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	PowerPlant Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Bank Storage (1000 Ac-Ft)	EOM Storage (1000 Ac-Ft)	Lees Ferry Gage (1000 Ac-Ft)	
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	
*	Dec 2022	281	358	13	550	0	550	3524.75	4496	5531	560
H	Jan 2023	361	424	4	500	0	501	3523.45	4490	5456	510
I	Feb 2023	270	337	4	480	0	480	3521.04	4479	5320	493
S	Mar 2023	573	552	6	486	0	486	3522.02	4484	5375	500
T	Apr 2023	1399	1103	10	819	90	909	3524.99	4497	5544	929
O	May 2023	4520	3634	15	1088	0	1088	3561.42	4685	7888	1107
R	Jun 2023	3646	2916	31	1064	0	1064	3583.47	4820	9574	1082
I	Jul 2023	1054	923	40	1149	0	1149	3580.42	4800	9328	1164
C	Aug 2023	307	454	39	902	0	902	3574.71	4764	8878	908
A	Sep 2023	224	414	35	474	0	474	3573.58	4757	8790	475
	WY 2023	13421	12043	230	8491	90	8581			8730	
L	Oct 2023	324	432	24	480	0	480	3572.71	4752	8724	480
*	Nov 2023	380	418	23	500	0	500	3571.43	4744	8626	509
	Dec 2023	315	416	18	600	0	600	3568.94	4729	8439	603
	Jan 2024	340	440	5	723	0	723	3565.34	4707	8172	727
	Feb 2024	360	446	6	639	0	639	3562.81	4693	7988	650
	Mar 2024	500	459	9	675	0	675	3559.89	4676	7779	689
	Apr 2024	700	608	15	601	0	601	3559.78	4675	7771	618
	May 2024	1450	1299	18	599	0	599	3568.47	4726	8403	620
	Jun 2024	1950	1523	31	628	0	628	3578.86	4790	9203	645
	Jul 2024	700	709	39	709	0	709	3578.40	4787	9167	724
	Aug 2024	300	455	38	758	0	758	3574.37	4762	8852	772
	Sep 2024	300	446	35	568	0	568	3572.48	4750	8707	584
	WY 2024	7619	7652	262	7480	0	7480			7621	
	Oct 2024	417	467	24	480	0	480	3572.04	4748	8673	496
	Nov 2024	442	437	23	500	0	500	3570.99	4741	8593	505
	Dec 2024	361	416	18	600	0	600	3568.50	4726	8405	603
	Jan 2025	350	406	5	723	0	723	3564.45	4702	8107	727
	Feb 2025	397	433	6	639	0	639	3561.74	4687	7911	650
	Mar 2025	614	527	9	675	0	675	3559.70	4675	7765	689
	Apr 2025	920	748	15	601	0	601	3561.41	4685	7887	618
	May 2025	2060	1799	19	599	0	599	3576.03	4772	8981	620
	Jun 2025	2423	1853	33	628	0	628	3589.62	4860	10084	645
	Jul 2025	711	692	42	709	0	709	3588.97	4856	10029	724
	Aug 2025	371	515	42	758	0	758	3585.81	4835	9766	772
	Sep 2025	316	537	38	568	0	568	3585.03	4830	9702	584
	WY 2025	9382	8830	275	7480	0	7480			7633	
	Oct 2025	417	484	26	643	0	643	3582.93	4816	9530	659
	Nov 2025	450	471	25	642	0	642	3580.68	4802	9348	647

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

Model Run ID: 3241

Processed On: 12/12/2023 12:51:19PM



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2023 24-Month Study

Most Probable Inflow*
Hoover Dam - Lake Mead— BUREAU OF —
RECLAMATION

	Glen Release (1000 Ac-Ft)	Side Inflow Glen to Hoover (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	SNWP Use (1000 Ac-Ft)	Downstream Requirements (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	
*	Dec 2022	550	63	32	438	7.1	8	439	475	1044.82	7313
H	Jan 2023	501	103	22	412	6.7	7	413	485	1046.97	7466
I	Feb 2023	480	46	21	494	8.9	8	493	485	1047.02	7469
S	Mar 2023	486	226	23	754	12.3	11	749	481	1046.03	7399
T	Apr 2023	909	243	31	831	14.0	12	830	498	1049.69	7661
O	May 2023	1088	185	40	855	13.9	22	772	520	1054.28	7995
R	Jun 2023	1064	62	50	886	14.9	23	874	530	1056.39	8152
I	Jul 2023	1149	61	48	760	12.4	30	758	553	1061.02	8501
C	Aug 2023	902	112	54	580	9.4	25	580	574	1065.35	8834
A	Sep 2023	474	126	53	492	8.3	16	462	577	1065.82	8871
	WY 2023	8581	1340	458	7633		187	7518			
L	Oct 2023	480	31	50	487	7.9	14	520	574	1065.34	8833
*	Nov 2023	500	41	44	533	9.0	9	532	571	1064.81	8792
	Dec 2023	600	72	36	341	5.5	10	341	589	1068.25	9061
	Jan 2024	723	75	25	484	7.9	10	484	606	1071.55	9323
	Feb 2024	639	71	23	601	10.4	9	601	611	1072.45	9395
	Mar 2024	675	97	25	809	13.2	15	809	606	1071.53	9321
	Apr 2024	601	60	34	1020	17.2	15	1020	581	1066.68	8937
	May 2024	599	37	42	993	16.1	22	993	555	1061.56	8542
	Jun 2024	628	22	51	908	15.3	26	908	535	1057.41	8228
	Jul 2024	709	55	48	812	13.2	28	812	527	1055.85	8111
	Aug 2024	758	86	52	747	12.2	24	747	529	1056.11	8131
	Sep 2024	568	72	50	643	10.8	21	643	524	1055.17	8061
	WY 2024	7480	717	481	8378		201	8411			
	Oct 2024	480	77	48	473	7.7	16	473	525	1055.43	8080
	Nov 2024	500	63	42	600	10.1	9	600	520	1054.31	7997
	Dec 2024	600	72	34	540	8.8	9	540	525	1055.45	8081
	Jan 2025	723	75	24	534	8.7	13	534	539	1058.31	8296
	Feb 2025	639	71	22	571	10.3	9	571	546	1059.64	8396
	Mar 2025	675	97	24	806	13.1	17	806	541	1058.71	8326
	Apr 2025	601	60	32	1005	16.9	19	1005	517	1053.73	7954
	May 2025	599	37	40	975	15.9	24	975	492	1048.52	7576
	Jun 2025	628	22	47	903	15.2	33	903	472	1044.10	7262
	Jul 2025	709	55	45	797	13.0	38	797	465	1042.53	7153
	Aug 2025	758	86	49	743	12.1	40	743	466	1042.69	7164
	Sep 2025	568	72	47	633	10.6	35	633	461	1041.67	7093
	WY 2025	7480	786	453	8581		263	8581			
	Oct 2025	643	77	45	451	7.3	29	451	473	1044.30	7277
	Nov 2025	642	63	40	587	9.9	16	587	477	1045.14	7336

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2023 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave

— BUREAU OF —
RECLAMATION

Date	Hoover Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Spill Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	
*	Dec 2022	438	4	13	436	0	436	7.1	639.97	1617
H	Jan 2023	412	2	9	347	0	347	5.6	642.12	1675
I	Feb 2023	494	-18	8	444	0	444	8.0	643.00	1699
S	Mar 2023	754	-6	10	705	0	705	11.5	644.17	1731
T	Apr 2023	831	-11	13	844	0	844	14.2	642.84	1694
O	May 2023	855	-10	14	859	0	859	14.0	641.83	1667
R	Jun 2023	886	-15	14	819	0	819	13.8	643.22	1705
I	Jul 2023	760	-15	12	736	0	736	12.0	643.06	1700
C	Aug 2023	580	-14	16	555	0	555	9.0	642.86	1695
A	Sep 2023	492	-7	16	563	0	578	9.7	638.85	1587
	WY 2023	7633	-107	152	7365	0	7381			
L	Oct 2023	487	-1	14	547	0	547	8.9	635.96	1511
*	Nov 2023	533	-18	13	397	0	397	6.7	639.94	1616
	Dec 2023	341	-2	13	324	0	324	5.3	640.01	1618
	Jan 2024	484	-11	9	415	0	415	6.8	641.80	1666
	Feb 2024	601	-13	8	581	0	581	10.1	641.80	1666
	Mar 2024	809	-10	10	755	0	755	12.3	643.05	1700
	Apr 2024	1020	-14	13	996	0	996	16.7	643.00	1699
	May 2024	993	-13	14	965	0	965	15.7	643.00	1699
	Jun 2024	908	-21	14	873	0	873	14.7	643.00	1699
	Jul 2024	812	-21	12	806	0	806	13.1	642.00	1671
	Aug 2024	747	-17	15	715	0	715	11.6	642.00	1671
	Sep 2024	643	-6	16	675	0	675	11.3	640.01	1617
	WY 2024	8378	-146	151	8049	0	8049			
	Oct 2024	473	-11	14	631	0	631	10.3	633.00	1434
	Nov 2024	600	-16	13	520	0	520	8.7	635.00	1486
	Dec 2024	540	-2	13	407	0	407	6.6	639.51	1604
	Jan 2025	534	-11	9	452	0	452	7.4	641.80	1666
	Feb 2025	571	-13	8	551	0	551	9.9	641.80	1666
	Mar 2025	806	-10	10	751	0	751	12.2	643.05	1700
	Apr 2025	1005	-14	13	981	0	981	16.5	643.00	1699
	May 2025	975	-13	14	947	0	947	15.4	643.00	1699
	Jun 2025	903	-21	14	869	0	869	14.6	643.00	1699
	Jul 2025	797	-21	12	791	0	791	12.9	642.00	1671
	Aug 2025	743	-17	15	711	0	711	11.6	642.00	1671
	Sep 2025	633	-6	16	664	0	664	11.2	640.01	1617
	WY 2025	8581	-154	151	8276	0	8276			
	Oct 2025	451	-11	14	609	0	609	9.9	633.00	1434
	Nov 2025	587	-16	13	507	0	507	8.5	635.00	1486

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2023 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu

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RECLAMATION

	Davis Release (Date)	Davis Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	MWD Diversion (1000 Ac-Ft)	CAP Diversion (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Flow To Mexico (1000 Ac-Ft)	Flow To Mexico (1000 CFS)
*	Dec 2022	436	14	7	277	4.5	101	63	447.06	562	87	1.4
H	Jan 2023	347	16	6	261	4.2	54	40	447.14	564	125	2.0
I	Feb 2023	444	1	8	370	6.7	16	40	447.47	570	130	2.3
S	Mar 2023	705	39	9	553	9.0	70	91	448.31	586	168	2.7
T	Apr 2023	844	51	11	669	11.2	49	169	447.68	574	153	2.6
O	May 2023	859	31	13	655	10.7	73	166	446.26	547	135	2.2
R	Jun 2023	819	16	15	636	10.7	70	69	448.25	585	130	2.2
I	Jul 2023	736	17	17	634	10.3	70	22	448.36	587	131	2.1
C	Aug 2023	555	22	17	485	7.9	61	19	447.78	576	105	1.7
A	Sep 2023	578	13	15	462	7.8	43	55	448.12	582	123	2.1
	WY 2023	7381	247	139	5730		816	867			1443	
L	Oct 2023	547	16	12	439	7.1	44	69	447.74	575	68	1.1
*	Nov 2023	397	22	9	294	4.9	59	50	447.87	578	86	1.4
	Dec 2023	324	17	7	258	4.2	58	40	446.50	552	82	1.3
	Jan 2024	415	7	6	329	5.3	57	25	446.50	552	138	2.2
	Feb 2024	581	4	8	427	7.4	90	54	446.50	552	124	2.2
	Mar 2024	755	2	9	635	10.3	3	98	446.70	555	147	2.4
	Apr 2024	996	7	11	733	12.3	93	118	448.70	593	147	2.5
	May 2024	965	4	13	731	11.9	96	119	448.70	593	110	1.8
	Jun 2024	873	10	16	706	11.9	93	58	448.70	593	116	2.0
	Jul 2024	806	17	17	674	11.0	96	38	448.00	580	123	2.0
	Aug 2024	715	19	17	582	9.5	96	39	447.50	571	102	1.7
	Sep 2024	675	12	15	506	8.5	93	63	447.50	570	99	1.7
	WY 2024	8049	137	139	6313		877	772			1342	
	Oct 2024	631	21	12	462	7.5	96	75	447.50	571	89	1.4
	Nov 2024	520	14	9	372	6.3	93	56	447.50	570	115	1.9
	Dec 2024	407	17	7	286	4.7	96	50	446.50	552	110	1.8
	Jan 2025	452	7	6	326	5.3	71	50	446.50	552	138	2.2
	Feb 2025	551	4	8	422	7.6	66	53	446.50	552	124	2.2
	Mar 2025	751	2	9	625	10.2	12	95	446.70	555	147	2.4
	Apr 2025	981	7	11	727	12.2	88	114	448.70	593	147	2.5
	May 2025	947	4	13	728	11.8	84	114	448.70	593	110	1.8
	Jun 2025	869	10	16	703	11.8	93	56	448.70	593	116	2.0
	Jul 2025	791	17	17	660	10.7	97	37	448.00	580	123	2.0
	Aug 2025	711	19	17	578	9.4	97	38	447.50	571	102	1.7
	Sep 2025	664	12	15	497	8.4	94	61	447.50	570	99	1.7
	WY 2025	8276	134	139	6386		986	799			1420	
	Oct 2025	609	21	12	453	7.4	84	72	447.50	571	89	1.4
	Nov 2025	507	14	9	372	6.2	81	54	447.50	570	115	1.9

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2023 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead

— BUREAU OF —
RECLAMATION

Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Hoover Static Head (Ft)	Hoover Gen Capacity MW	Hoover Gross Energy MKWH	Percent of Units Available	KWH/AF	
*	Dec 2022	438	7.1	1044.82	7313	126	403.20	975.8	152.9	72	348.9
H	Jan 2023	412	6.7	1046.97	7466	152	403.66	866.6	143.8	64	348.8
I	Feb 2023	494	8.9	1047.02	7469	4	399.03	810.5	175.9	60	356.5
S	Mar 2023	754	12.3	1046.03	7399	-70	397.62	863.6	270.4	65	358.8
T	Apr 2023	831	14.0	1049.69	7661	262	402.80	839.3	300.5	65	361.7
O	May 2023	855	13.9	1054.28	7995	335	405.85	986.6	313.1	71	366.3
R	Jun 2023	886	14.9	1056.39	8152	156	407.42	1080.0	326.9	78	369.0
I	Jul 2023	760	12.4	1061.02	8501	349	413.93	1283.0	280.8	90	369.5
C	Aug 2023	580	9.4	1065.35	8834	333	420.26	1308.1	212.8	90	366.9
A	Sep 2023	492	8.3	1065.82	8871	37	419.70	1160.0	181.4	79	368.4
	WY 2023	7632						2759.0			
L	Oct 2023	487	7.9	1065.34	8833	-37	421.11	1037.5	180.9	71	371.7
*	Nov 2023	533	9.0	1064.81	8792	-41	421.57	948.0	199.5	66	374.5
	Dec 2023	341	5.5	1068.25	9061	269	418.09	1063.1	122.4	72	359.2
	Jan 2024	484	7.9	1071.55	9323	262	421.13	1023.0	183.2	69	378.7
	Feb 2024	601	10.4	1072.45	9395	72	422.98	977.0	230.1	66	382.9
	Mar 2024	809	13.2	1071.53	9321	-74	421.35	1151.1	311.1	77	384.3
	Apr 2024	1020	17.2	1066.68	8937	-384	418.29	1093.0	389.7	76	381.8
	May 2024	993	16.1	1061.56	8542	-395	412.10	1242.0	366.3	88	368.9
	Jun 2024	908	15.3	1057.41	8228	-314	406.77	1314.9	332.4	95	366.2
	Jul 2024	812	13.2	1055.85	8111	-117	403.70	1399.4	296.0	100	364.4
	Aug 2024	747	12.2	1056.11	8131	20	403.39	1399.4	269.8	100	361.0
	Sep 2024	643	10.8	1055.17	8061	-70	403.70	1386.6	229.3	100	356.5
	WY 2024	8378						3110.6			
	Oct 2024	473	7.7	1055.43	8080	19	409.86	830.0	174.9	60	369.8
	Nov 2024	600	10.1	1054.31	7997	-83	411.72	830.0	223.8	60	372.7
	Dec 2024	540	8.8	1055.45	8081	84	409.25	895.0	196.1	63	363.3
	Jan 2025	534	8.7	1058.31	8296	214	409.05	907.9	193.6	63	362.7
	Feb 2025	571	10.3	1059.64	8396	101	411.08	821.5	213.7	56	373.9
	Mar 2025	806	13.1	1058.71	8326	-70	410.73	839.9	305.7	58	379.3
	Apr 2025	1005	16.9	1053.73	7954	-371	403.64	1338.1	363.6	93	361.6
	May 2025	975	15.9	1048.52	7576	-378	399.25	1201.1	352.3	87	361.4
	Jun 2025	903	15.2	1044.10	7262	-314	394.51	1173.5	320.5	87	354.8
	Jul 2025	797	13.0	1042.53	7153	-110	390.53	1338.8	279.5	100	350.5
	Aug 2025	743	12.1	1042.69	7164	11	390.16	1339.8	258.4	100	347.8
	Sep 2025	633	10.6	1041.67	7093	-71	390.38	1333.3	217.3	100	343.2
	WY 2025	8581						3099.4			
	Oct 2025	451	7.3	1044.30	7277	184	395.74	1051.6	159.5	78	353.8
	Nov 2025	587	9.9	1045.14	7336	59	400.16	1001.0	210.2	74	358.3

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

Model Run ID: 3241

Processed On: 12/12/2023 12:51:19PM



OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2023 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave

— BUREAU OF —
RECLAMATION

Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Davis Static Head (Ft)	Davis Gen Capacity MW	Davis Gross Energy MKWH	Percent of Units Available	KWH/AF	
*	Dec 2022	436	7.1	639.97	1617	-7	140.89	159.6	53.9	63	123.5
H	Jan 2023	347	5.6	642.12	1675	58	143.26	157.9	44.3	62	127.7
I	Feb 2023	444	8.0	643.00	1699	24	141.81	185.8	56.7	73	127.8
S	Mar 2023	705	11.5	644.17	1731	32	141.44	215.5	93.4	85	132.4
T	Apr 2023	844	14.2	642.84	1694	-36	138.90	255.0	108.3	100	128.3
O	May 2023	859	14.0	641.83	1667	-28	137.48	255.0	109.4	100	127.4
R	Jun 2023	819	13.8	643.22	1705	38	141.71	249.9	103.9	98	126.9
I	Jul 2023	736	12.0	643.06	1700	-4	143.75	250.1	94.0	98	127.6
C	Aug 2023	555	9.0	642.86	1695	-5	143.43	255.0	71.5	100	128.7
A	Sep 2023	563	9.7	638.85	1587	-108	139.25	204.0	73.6	80	130.8
	WY 2023	7365						938.3			
L	Oct 2023	547	8.9	635.96	1511	-76	132.98	189.2	67.1	74	122.7
*	Nov 2023	397	6.7	639.94	1616	105	140.75	156.4	50.0	61	125.9
	Dec 2023	324	5.3	640.01	1618	2	140.23	167.8	41.0	66	126.3
	Jan 2024	415	6.8	641.80	1666	49	140.46	164.5	52.6	65	126.5
	Feb 2024	581	10.1	641.80	1666	0	139.91	200.5	73.2	79	126.0
	Mar 2024	755	12.3	643.05	1700	34	139.67	210.6	95.0	83	125.8
	Apr 2024	996	16.7	643.00	1699	-2	138.69	255.0	124.4	100	125.0
	May 2024	965	15.7	643.00	1699	0	139.01	255.0	120.9	100	125.2
	Jun 2024	873	14.7	643.00	1699	0	139.37	255.0	109.6	100	125.6
	Jul 2024	806	13.1	642.00	1671	-27	139.43	255.0	101.3	100	125.6
	Aug 2024	715	11.6	642.00	1671	0	139.49	255.0	89.9	100	125.7
	Sep 2024	675	11.3	640.01	1617	-54	138.61	255.0	84.2	100	124.9
	WY 2024	8049						1009.1			
	Oct 2024	631	10.3	633.00	1434	-183	134.54	227.0	76.5	89	121.2
	Nov 2024	520	8.7	635.00	1486	51	132.67	159.8	62.2	63	119.5
	Dec 2024	407	6.6	639.51	1604	118	136.88	154.7	50.2	61	123.3
	Jan 2025	452	7.4	641.80	1666	62	139.95	156.3	57.0	61	126.1
	Feb 2025	551	9.9	641.80	1666	0	139.98	156.6	69.5	61	126.1
	Mar 2025	751	12.2	643.05	1700	34	139.69	194.1	94.5	76	125.9
	Apr 2025	981	16.5	643.00	1699	-2	138.77	249.9	122.6	98	125.0
	May 2025	947	15.4	643.00	1699	0	139.11	255.0	118.7	100	125.3
	Jun 2025	869	14.6	643.00	1699	0	139.39	255.0	109.1	100	125.6
	Jul 2025	791	12.9	642.00	1671	-27	139.52	255.0	99.5	100	125.7
	Aug 2025	711	11.6	642.00	1671	0	139.51	255.0	89.4	100	125.7
	Sep 2025	664	11.2	640.01	1617	-54	138.68	255.0	83.0	100	124.9
	WY 2025	8276						1032.2			
	Oct 2025	609	9.9	633.00	1434	-183	134.69	227.0	73.9	89	121.3
	Nov 2025	507	8.5	635.00	1486	51	132.77	159.8	60.6	63	119.6

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2023 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu

— BUREAU OF —
RECLAMATION

Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Parker Static Head (Ft)	Parker Gen Capacity MW	Parker Gross Energy MKWH	Percent of Units Available	KWH/AF	
*	Dec 2022	277	4.5	447.06	562	0	82.38	60.0	18.5	50	66.8
H	Jan 2023	261	4.2	447.14	564	2	81.41	72.6	17.3	60	66.4
I	Feb 2023	357	6.7	447.47	570	6	81.43	94.3	25.4	79	71.2
S	Mar 2023	553	9.0	448.31	586	16	81.24	120.0	38.6	100	69.8
T	Apr 2023	669	11.2	447.68	574	-12	79.27	120.0	46.4	100	69.4
O	May 2023	655	10.7	446.26	547	-26	78.52	116.1	45.3	97	69.2
R	Jun 2023	636	10.7	448.25	585	37	79.10	120.0	44.0	100	69.2
I	Jul 2023	634	10.3	448.36	587	2	82.12	120.0	44.1	100	69.6
C	Aug 2023	485	7.9	447.78	576	-11	81.56	120.0	33.5	100	69.1
A	Sep 2023	449	7.8	448.12	582	7	81.96	120.0	32.1	100	71.7
	WY 2023	5703						395.3			
L	Oct 2023	439	7.1	447.74	575	-7	81.03	91.0	30.6	76	69.6
*	Nov 2023	294	4.9	447.87	578	3	82.97	80.0	20.0	67	67.9
	Dec 2023	258	4.2	446.50	552	-26	80.88	60.0	16.5	50	63.8
	Jan 2024	329	5.3	446.50	552	0	79.57	73.5	22.0	61	66.7
	Feb 2024	427	7.4	446.50	552	0	78.53	96.2	29.5	80	69.0
	Mar 2024	635	10.3	446.70	555	4	77.35	115.2	43.5	96	68.5
	Apr 2024	733	12.3	448.70	593	38	77.67	120.0	50.9	100	69.4
	May 2024	731	11.9	448.70	593	0	78.84	120.0	51.3	100	70.3
	Jun 2024	706	11.9	448.70	593	0	78.84	120.0	49.6	100	70.3
	Jul 2024	674	11.0	448.00	580	-13	78.84	120.0	47.1	100	69.9
	Aug 2024	582	9.5	447.50	571	-10	78.86	120.0	40.5	100	69.7
	Sep 2024	506	8.5	447.50	570	0	79.03	120.0	35.2	100	69.5
	WY 2024	6313						436.5			
	Oct 2024	462	7.5	447.50	571	0	79.49	90.0	32.5	75	70.3
	Nov 2024	372	6.3	447.50	570	0	80.10	92.0	25.5	77	68.6
	Dec 2024	286	4.7	446.50	552	-19	80.44	114.2	18.2	95	63.5
	Jan 2025	326	5.3	446.50	552	0	79.59	94.8	21.8	79	66.8
	Feb 2025	422	7.6	446.50	552	0	78.45	92.1	29.1	77	68.9
	Mar 2025	625	10.2	446.70	555	4	77.41	120.0	42.9	100	68.5
	Apr 2025	727	12.2	448.70	593	38	77.71	120.0	50.5	100	69.5
	May 2025	728	11.8	448.70	593	0	78.85	120.0	51.2	100	70.3
	Jun 2025	703	11.8	448.70	593	0	78.86	120.0	49.4	100	70.3
	Jul 2025	660	10.7	448.00	580	-13	78.94	120.0	46.1	100	70.0
	Aug 2025	578	9.4	447.50	571	-10	78.89	120.0	40.3	100	69.7
	Sep 2025	497	8.4	447.50	570	0	79.10	120.0	34.6	100	69.5
	WY 2025	6386						441.9			
	Oct 2025	453	7.4	447.50	571	0	79.55	90.0	31.9	75	70.3
	Nov 2025	372	6.2	447.50	570	0	80.11	92.0	25.5	77	68.6

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2023 24-Month Study

Most Probable Inflow*

Upper Basin Power

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RECLAMATION

	Glen Canyon	Flaming Gorge	Blue Mesa	Morrow Point	Crystal Reservoir	Fontenelle Reservoir
Date	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR
*	Dec 2022	199	40	1	6	2
H	Jan 2023	182	41	4	5	2
I	Feb 2023	172	37	5	6	0
S	Mar 2023	173	23	4	6	0
	Winter 2023	1083	220	15	49	16
T	Apr 2023	291	17	5	9	3
O	May 2023	412	18	21	40	20
R	Jun 2023	439	43	32	50	22
I	Jul 2023	483	29	38	45	22
C	Aug 2023	374	44	31	37	21
A	Sep 2023	194	44	4	35	20
	Summer 2023	2195	194	131	215	109
L	Oct 2023	199	38	8	23	6
*	Nov 2023	206	34	9	10	5
	Dec 2023	234	44	11	11	6
	Jan 2024	280	44	10	13	7
	Feb 2024	246	41	10	13	6
	Mar 2024	259	25	10	14	8
	Winter 2024	1424	227	58	84	38
	Apr 2024	230	24	15	22	12
	May 2024	231	62	40	58	23
	Jun 2024	247	42	19	30	20
	Jul 2024	282	26	31	39	20
	Aug 2024	300	36	33	40	20
	Sep 2024	223	35	29	35	17
	Summer 2024	1512	225	167	224	113
	Oct 2024	188	24	22	27	10
	Nov 2024	196	22	7	9	5
	Dec 2024	234	31	8	10	6
	Jan 2025	279	31	10	13	7
	Feb 2025	245	28	9	12	6
	Mar 2025	259	19	11	14	8
	Winter 2025	1402	155	66	84	42
	Apr 2025	230	19	15	22	13
	May 2025	233	67	44	61	23
	Jun 2025	252	33	20	29	19
	Jul 2025	288	26	31	37	19
	Aug 2025	307	36	32	37	19
	Sep 2025	229	35	30	35	18
	Summer 2025	1540	216	173	222	111
	Oct 2025	258	25	26	32	10
	Nov 2025	257	21	15	19	10

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2023 24-Month Study

Most Probable Inflow*

Flood Control Criteria - Beginning of Month Conditions



BUREAU OF
RECLAMATION

Date	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Lake Powell KAF	Upper Basin Total KAF	Lake Mead KAF	Total KAF	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Tot or Max Allow KAF	Lake Powell KAF	Lake Mead KAF	Total KAF	BOM Space Required KAF	Mead Sched Rel KAF	Mead FC Rel KAF	Sys Cont MAF
*****PREDICTED SPACE*****																		
Dec 2023	539	232	539	14688	15997	18828	34825	539	232	539	1310	14688	18828	34825	4580	341	0	24.9
Jan 2024	628	242	550	14875	16295	18559	34854	628	242	550	1420	14875	18559	34854	5350	484	0	24.9
*****CREDITABLE SPACE*****																		
Jan 2024	628	242	550	14875	16295	18559	34854	217	156	294	668	14875	18559	34102	5350	484	0	24.9
Feb 2024	712	251	558	15142	16663	18297	34960	301	167	303	770	15142	18297	34209	1500	601	0	24.7
Mar 2024	786	261	563	15326	16936	18225	35160	374	178	306	858	15326	18225	34409	1500	809	0	24.5
Apr 2024	765	263	549	15535	17112	18299	35411	348	181	286	815	15535	18299	34648	1500	1020	0	24.2
May 2024	728	255	521	15542	17047	18683	35729	305	173	234	712	15542	18683	34937	1500	993	0	24.5
Jun 2024	733	233	436	14911	16312	19078	35390	303	140	110	553	14911	19078	34542	1500	908	0	25.4
Jul 2024	525	88	403	14111	15127	19392	34519	79	-27	22	74	14111	19392	33576	1500	812	0	25.2
*****CREDITABLE SPACE*****																		
Aug 2024	463	111	441	14147	15161	19509	34670	463	111	441	1014	14147	19509	34670	1500	747	0	24.8
Sep 2024	517	159	476	14462	15614	19489	35103	517	159	476	1152	14462	19489	35103	2270	643	0	24.4
Oct 2024	586	213	485	14607	15891	19559	35450	586	213	485	1284	14607	19559	35450	3040	473	0	24.1
Nov 2024	614	248	477	14641	15980	19540	35519	614	248	477	1338	14641	19540	35519	3810	600	0	24.0
Dec 2024	630	242	472	14721	16066	19623	35688	630	242	472	1345	14721	19623	35688	4580	540	0	23.9
Jan 2025	690	243	473	14908	16314	19539	35853	690	243	473	1406	14908	19539	35853	5350	534	0	23.8
*****EFFECTIVE SPACE*****																		
Jan 2025	690	243	473	14908	16314	19539	35853	410	241	467	1118	14908	19539	35565	5350	534	0	23.8
Feb 2025	742	252	474	15207	16675	19324	35999	460	250	468	1178	15207	19324	35710	1500	571	0	23.7
Mar 2025	784	258	467	15403	16912	19224	36136	500	257	460	1218	15403	19224	35844	1500	806	0	23.6
Apr 2025	760	257	419	15549	16985	19294	36279	472	256	405	1133	15549	19294	35976	1500	1005	0	23.5
May 2025	711	232	352	15427	16721	19666	36387	417	230	315	962	15427	19666	36054	1500	975	0	24.5
Jun 2025	677	187	230	14333	15427	20044	35470	376	173	154	702	14333	20044	35079	1500	903	0	25.8
Jul 2025	407	25	154	13230	13816	20358	34173	85	-13	23	95	13230	20358	33682	1500	797	0	25.6
*****CREDITABLE SPACE*****																		
Aug 2025	340	33	192	13284	13850	20467	34317	340	33	192	565	13284	20467	34317	1500	743	0	25.2
Sep 2025	393	72	230	13548	14243	20456	34699	393	72	230	696	13548	20456	34699	2270	633	0	24.8
Oct 2025	466	125	317	13612	14519	20527	35046	466	125	317	907	13612	20527	35046	3040	451	0	24.5
Nov 2025	496	174	309	13784	14762	20343	35105	496	174	309	978	13784	20343	35105	3810	587	0	24.4

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