



To: All Annual Operating Plan Recipients

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Subject: April 2023 Most Probable 24-Month Study

The operation of Lake Powell and Lake Mead in the April 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). Pursuant to the Interim Guidelines, the August 2022 24-Month Study projections of the January 1, 2023, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2023.

The August 2022 24-Month Study projected the January 1, 2023 Lake Powell elevation to be less than 3,525 feet. Consistent with Section 6.D.1 of the Interim Guidelines, Lake Powell's operation in WY 2023 is governed by the Lower Elevation Balancing Tier with an initial projected WY release volume of 7.00 million acre-feet (maf). Based on hydrologic conditions as of April 2023, in which the most probable inflow into Lake Powell is projected to be 11.30 maf (177 percent of average) during the 2023 April-July runoff period, Reclamation has determined that conditions are sufficient to release up to 9.50 maf from Lake Powell in WY 2023 consistent with Section 6.D.1 of the Interim Guidelines. In addition, Reclamation has removed the operational neutrality of the 0.480 maf that was retained in Lake Powell under the May 2022 action,¹ such that balancing releases are based on physical elevations of Lake Powell and Lake Mead, but could be as low as 7.00 maf consistent with the Interim Guidelines and to protect Lake Powell from declining below elevation 3,525 feet at the end of December 2023. Further, Lower Basin projections for Lake Mead take into consideration: updated water orders to reflect additional conservation efforts; new completed system conservation agreements under the Lower Colorado River Basin System Conservation and Efficiency Program (LC Conservation Program); and updated Lower Basin tributary inflow projections (reflecting current conditions) above Lake Mead, for the Bill Williams and for the Gila River.

Consistent with this operating approach and based on the most probable inflow forecast, the April 2023 24-Month Study projects a balancing release of 9.50 maf from Lake Powell in WY 2023; however, the actual release in WY 2023 will range between 7.00 and 9.50 maf and will depend on actual hydrology and reservoir conditions at Lake Powell and Lake Mead during the remainder of the water year. The projected release from Lake Powell in WY 2023 will be updated each month throughout the remainder of the water year. The modeling approach for 2024 and beyond will be consistent with the Interim Guidelines, based on projected physical elevations at Lake Powell and Lake Mead, and assume the 0.480 maf retained in Lake Powell under the May 2022 action was released as part of the WY 2023 balancing release only if the release volume is 7.48 maf or greater.

The 2022 Drought Response Operations Agreement (DROA) Plan² for May 2022 through April 2023 has been amended to suspend 2022 DROA Plan releases for the remainder of April 2023. The suspension of 2022 DROA Plan releases occurred on March 7, 2023. A total DROA release of approximately 463 thousand acre-feet (kaf) occurred under the 2022 DROA Plan. Reclamation will attempt to maximize DROA recovery in the Upper Initial Units in WY 2023 and through April 2024.

¹ For more information: <https://www.usbr.gov/uc/DocLibrary/Plans/20220503-2022DROA-GlenCanyonDamOperationsDecisionLetter-508-DOI.pdf>.

² For more information: <https://www.usbr.gov/uc/DocLibrary/Plans/20220429-2022DroughtResponseOperationsPlan-ApprovalMemo-508-DOI.pdf>.

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 continues to consult with the DROA Parties and to consult with the Lower Division States and others in accordance with the DROA on the implementation of the Drought Response Operations Plans and consideration of 2023 DROA Plan.

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 2022 24-Month Study projected the January 1, 2023 Lake Mead elevation, determined as if the 0.480 maf had been delivered to Lake Mead in WY 2022, to be below 1,050 feet and above 1,045 feet. Consistent with Section 2.D.1 of the Interim Guidelines, a Shortage Condition consistent with Section 2.D.1.b will govern 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 the LC Conservation Program will also take place in CY 2023.

Current runoff projections into Lake Powell are provided by the National Weather Service's Colorado Basin River Forecast Center and are as follows. The observed unregulated inflow into Lake Powell for the month of March was 0.573 maf or 96 percent of the 30-year average from 1991 to 2020. The April 2023 unregulated inflow forecast for Lake Powell is 1.300 maf or 144 percent of the 30-year average. The 2023 April through July unregulated inflow forecast is 11.30 maf or 177 percent of average.

In this study, the CY 2023 diversion for Metropolitan Water District of Southern California (MWD) is projected to be 0.857 maf. The CY 2023 diversion for the Central Arizona Project (CAP) is projected to be 0.899 maf. Consumptive use for Nevada above Hoover (SNWP Use) is projected to be 0.210 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 Cheri Woodward at (702) 293-8101 or 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)				Mar	Inflow Forecast (kaf)				
	Dec	Jan	Feb	Mar	%Avg	Apr	May	Jun	Apr-Jul	%Avg
Lake Powell	281	361	270	573	96	1300	4000	4600	11300	177
Fontenelle	28	32	28	29	51	65	180	365	800	109
Flaming Gorge	26	38	33	49	46	170	345	475	1200	124
Blue Mesa	24	24	19.9	25	66	60	265	395	850	134
Morrow Point	26	26	21	26	64	65	295	420	915	133
Crystal	28	28	23	29	63	75	335	475	1030	134
Taylor Park	4.6	4.4	3.6	4.2	91	7	34	56	120	128
Vallecito	5.1	5.4	4.5	6.5	71	17	100	110	255	144
Navajo	17.5	20	17.8	71	87	160	400	320	945	150
Lemon	0.89	0.9	0.74	0.97	59	4	28	38	77	160
McPhee	3.4	4.1	3.2	9.1	48	95	240	150	515	202
Ridgway	3.9	3.9	3.2	4.7	84	8	28	50	112	122
Deerlodge	22	23	18.6	32	42	250	920	765	2080	175
Durango	10.9	10.3	8.4	10.9	80	45	215	245	590	153

The 2023 AOP is available online at:

<https://www.usbr.gov/uc/water/rsrvs/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_04_ucb.pdf.

Information on the LC Conservation Program is available online at:

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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)
*	Apr 2022	50	1	5	44	49	6478.74	152
H	May 2022	63	1	47	8	55	6479.96	158
I	Jun 2022	241	2	82	0	82	6503.59	315
S	Jul 2022	102	3	83	11	93	6504.34	321
T	Aug 2022	56	2	67	1	68	6502.43	306
O	Sep 2022	29	2	61	0	61	6498.08	274
	WY 2022	744	15	617	67	685		
R	Oct 2022	40	1	22	39	61	6494.58	249
I	Nov 2022	33	1	10	48	58	6490.90	224
C	Dec 2022	28	1	56	2	58	6486.14	194
A	Jan 2023	32	1	58	0	59	6481.53	167
L	Feb 2023	28	0	10	43	53	6476.59	141
*	Mar 2023	29	0	55	3	58	6470.02	113
	Apr 2023	65	1	63	0	63	6470.36	114
	May 2023	180	1	99	15	114	6483.63	179
	Jun 2023	365	2	103	155	258	6499.37	284
	Jul 2023	190	3	102	47	149	6504.49	322
	Aug 2023	65	2	92	0	92	6500.61	293
	Sep 2023	40	2	72	0	72	6495.97	259
	WY 2023	1095	15	742	353	1095		
	Oct 2023	45	1	55	0	55	6494.33	248
	Nov 2023	42	1	62	0	62	6491.23	226
	Dec 2023	32	1	71	0	71	6485.06	187
	Jan 2024	31	1	71	0	71	6477.71	147
	Feb 2024	29	0	66	0	66	6469.18	109
	Mar 2024	51	0	50	0	50	6469.34	110
	Apr 2024	77	1	34	42	76	6469.46	110
	May 2024	166	1	92	0	92	6484.35	183
	Jun 2024	301	2	103	95	198	6499.39	284
	Jul 2024	146	3	102	10	112	6503.54	315
	Aug 2024	59	2	79	0	79	6500.58	293
	Sep 2024	39	2	71	0	71	6495.88	258
	WY 2024	1018	14	857	147	1004		
	Oct 2024	45	1	55	0	55	6494.25	247
	Nov 2024	42	1	60	0	60	6491.46	228
	Dec 2024	32	1	68	0	68	6485.82	192
	Jan 2025	31	1	68	0	68	6479.24	155
	Feb 2025	29	0	61	0	61	6472.28	122
	Mar 2025	51	0	68	0	68	6468.07	105

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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)
*	Apr 2022	66	62	5	51	0	51	118	6018.81	2938	179
H	May 2022	88	88	7	139	48	187	114	6015.77	2769	570
I	Jun 2022	274	113	9	110	12	121	113	6015.25	2752	465
S	Jul 2022	125	110	11	79	0	79	106	6016.09	2780	137
T	Aug 2022	58	70	11	105	0	105	104	6014.73	2735	124
O	Sep 2022	32	63	9	112	0	112	102	6013.01	2680	125
WY 2022		897	837	70	927	60	987				2138
R	Oct 2022	41	65	6	111	0	111	100	6011.45	2630	142
I	Nov 2022	40	63	3	102	0	102	98	6010.19	2590	132
C	Dec 2022	26	57	2	107	0	107	96	6008.59	2540	138
A	Jan 2023	38	65	2	108	0	108	95	6007.19	2497	143
L	Feb 2023	33	58	2	98	0	98	93	6005.89	2457	371
*	Mar 2023	49	77	3	61	5	66	93	6006.15	2465	119
	Apr 2023	170	168	4	48	0	48	98	6009.78	2577	298
	May 2023	345	279	7	49	0	49	106	6016.46	2792	969
	Jun 2023	475	368	9	48	0	48	118	6025.22	3091	813
	Jul 2023	210	169	13	63	0	63	122	6027.73	3180	208
	Aug 2023	75	102	12	89	0	89	122	6027.76	3181	119
	Sep 2023	45	77	10	97	0	97	121	6026.96	3152	117
WY 2023		1548	1548	72	980	5	984				3569
	Oct 2023	52	62	7	63	0	63	121	6026.77	3146	89
	Nov 2023	51	71	3	62	0	62	121	6026.92	3151	97
	Dec 2023	34	73	2	101	0	101	120	6026.10	3122	126
	Jan 2024	42	82	2	101	0	101	119	6025.52	3101	126
	Feb 2024	43	80	2	95	0	95	118	6025.06	3085	120
	Mar 2024	85	84	3	60	0	60	119	6025.64	3106	134
	Apr 2024	111	110	5	58	0	58	121	6026.92	3151	261
	May 2024	239	165	7	221	0	221	118	6025.22	3091	734
	Jun 2024	389	286	10	55	0	55	127	6030.97	3303	422
	Jul 2024	161	127	14	69	0	69	129	6032.06	3345	129
	Aug 2024	66	86	13	103	0	103	127	6031.33	3317	122
	Sep 2024	43	75	11	110	0	110	126	6030.19	3272	123
WY 2024		1316	1302	79	1099	0	1099				2484
	Oct 2024	52	62	7	82	0	82	125	6029.53	3247	108
	Nov 2024	50	68	3	86	0	86	124	6028.99	3226	116
	Dec 2024	34	70	2	128	0	128	121	6027.41	3168	153
	Jan 2025	42	79	2	128	0	128	119	6026.03	3119	153
	Feb 2025	43	75	2	116	0	116	118	6024.86	3078	141
	Mar 2025	85	102	3	58	0	58	119	6025.96	3117	132

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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)
*	Apr 2022	8	6	9302.92	59
H	May 2022	27	12	9312.55	74
I	Jun 2022	26	19	9316.61	81
S	Jul 2022	11	15	9314.18	77
T	Aug 2022	8	14	9310.35	70
O	Sep 2022	5	8	9308.87	68
WY 2022		110	100		
R	Oct 2022	6	6	9308.80	68
I	Nov 2022	4	5	9308.13	67
C	Dec 2022	5	5	9307.68	66
A	Jan 2023	4	5	9307.08	65
L	Feb 2023	4	5	9306.26	64
*	Mar 2023	4	5	9305.50	63
	Apr 2023	7	9	9303.88	61
	May 2023	34	19	9313.60	76
	Jun 2023	56	30	9327.96	102
	Jul 2023	23	26	9326.55	99
	Aug 2023	11	22	9321.02	89
	Sep 2023	7	18	9314.89	78
WY 2023		165	155		
	Oct 2023	7	13	9311.10	72
	Nov 2023	5	6	9310.51	71
	Dec 2023	4	6	9309.15	69
	Jan 2024	5	6	9308.42	67
	Feb 2024	4	6	9307.41	66
	Mar 2024	5	6	9306.65	65
	Apr 2024	9	12	9304.64	62
	May 2024	26	18	9309.88	70
	Jun 2024	40	27	9317.64	83
	Jul 2024	15	27	9310.51	71
	Aug 2024	8	24	9299.67	55
	Sep 2024	7	18	9290.80	44
WY 2024		135	169		
	Oct 2024	7	9	9288.99	42
	Nov 2024	5	6	9288.11	41
	Dec 2024	4	6	9286.05	39
	Jan 2025	5	6	9284.91	37
	Feb 2025	4	6	9283.32	36
	Mar 2025	5	6	9282.11	35

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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)
*	Apr 2022	62	60	0	44	0	46	7438.94	252
H	May 2022	177	162	1	79	0	79	7454.56	335
I	Jun 2022	133	126	1	69	0	69	7463.76	391
S	Jul 2022	59	63	1	84	0	84	7460.15	368
T	Aug 2022	57	64	1	89	0	89	7455.69	341
O	Sep 2022	31	33	1	55	28	82	7446.72	292
WY 2022		661	652	6	566	28	595		
R	Oct 2022	32	32	0	0	58	58	7441.74	266
I	Nov 2022	26	27	0	1	10	11	7444.87	282
C	Dec 2022	24	25	0	6	10	17	7446.44	290
A	Jan 2023	24	25	0	20	0	20	7447.43	295
L	Feb 2023	20	21	0	20	0	20	7447.61	296
*	Mar 2023	25	26	0	19	0	19	7448.79	303
	Apr 2023	60	62	1	37	0	37	7453.30	328
	May 2023	265	250	1	108	0	108	7475.39	469
	Jun 2023	395	369	1	159	0	159	7502.24	677
	Jul 2023	130	133	1	105	0	105	7505.33	703
	Aug 2023	64	75	1	92	0	92	7503.19	685
	Sep 2023	36	47	1	27	63	89	7497.97	641
WY 2023		1101	1091	7	593	141	734		
	Oct 2023	36	42	1	64	0	64	7495.25	619
	Nov 2023	31	32	0	36	0	36	7494.74	615
	Dec 2023	26	28	0	49	0	49	7492.06	594
	Jan 2024	25	26	0	49	0	49	7489.08	570
	Feb 2024	23	25	0	46	0	46	7486.29	549
	Mar 2024	38	39	0	47	0	47	7485.15	540
	Apr 2024	78	81	1	46	0	46	7489.60	575
	May 2024	204	196	1	80	0	80	7503.70	689
	Jun 2024	251	238	1	132	0	132	7515.62	793
	Jul 2024	86	98	2	108	0	108	7514.32	782
	Aug 2024	55	71	1	112	0	112	7509.55	739
	Sep 2024	35	46	1	103	0	103	7502.76	681
WY 2024		888	922	9	874	0	874		
	Oct 2024	36	38	1	93	0	93	7496.02	626
	Nov 2024	31	32	0	37	0	37	7495.31	620
	Dec 2024	26	28	0	56	0	56	7491.86	592
	Jan 2025	25	26	0	49	0	49	7488.87	569
	Feb 2025	23	25	0	44	0	44	7486.32	549
	Mar 2025	38	39	0	39	0	39	7486.22	548

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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)
*	Apr 2022	65	46	3	50	47	0	47	7153.31	112
H	May 2022	186	79	9	88	89	0	89	7152.08	111
I	Jun 2022	134	69	1	70	71	0	71	7150.86	110
S	Jul 2022	60	84	1	85	84	0	84	7152.31	111
T	Aug 2022	58	89	1	90	90	0	90	7152.25	111
O	Sep 2022	31	82	1	83	78	0	78	7157.81	115
	WY 2022	685	595	24	619	614	0	614		
R	Oct 2022	33	58	1	59	60	0	60	7156.10	114
I	Nov 2022	27	11	1	12	21	0	21	7143.98	104
C	Dec 2022	26	17	2	18	20	0	20	7141.82	103
A	Jan 2023	26	20	2	21	20	0	20	7144.03	105
L	Feb 2023	21	20	1	21	18	0	18	7148.07	108
*	Mar 2023	26	19	2	21	19	0	19	7149.91	109
	Apr 2023	65	37	5	42	39	0	39	7153.73	112
	May 2023	295	108	30	138	138	0	138	7153.73	112
	Jun 2023	420	159	25	184	184	0	184	7153.72	112
	Jul 2023	135	105	5	110	110	0	110	7153.73	112
	Aug 2023	67	92	3	95	94	0	94	7153.73	112
	Sep 2023	38	89	2	91	91	0	91	7153.73	112
	WY 2023	1179	734	78	812	815	0	815		
	Oct 2023	37	64	1	65	65	0	65	7153.73	112
	Nov 2023	33	36	2	38	38	0	38	7153.73	112
	Dec 2023	27	49	1	50	50	0	50	7153.73	112
	Jan 2024	26	49	1	50	50	0	50	7153.73	112
	Feb 2024	25	46	2	48	48	0	48	7153.73	112
	Mar 2024	40	47	2	49	49	0	49	7153.73	112
	Apr 2024	89	46	11	57	57	0	57	7153.73	112
	May 2024	226	80	22	102	102	0	102	7153.73	112
	Jun 2024	265	132	14	146	146	0	146	7153.72	112
	Jul 2024	90	108	4	112	112	0	112	7153.73	112
	Aug 2024	56	112	1	113	113	0	113	7153.73	112
	Sep 2024	36	103	1	104	104	0	104	7153.73	112
	WY 2024	950	874	62	936	935	0	935		
	Oct 2024	37	93	1	94	94	0	94	7153.73	112
	Nov 2024	32	37	1	38	38	0	38	7153.73	112
	Dec 2024	27	56	1	57	56	0	56	7153.73	112
	Jan 2025	26	49	1	50	50	0	50	7153.73	112
	Feb 2025	25	44	2	46	46	0	46	7153.73	112
	Mar 2025	40	39	2	41	41	0	41	7153.73	112

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Most Probable Inflow*

Crystal Reservoir



— BUREAU OF —
RECLAMATION

	Date	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)
*	Apr 2022	73	47	8	54	54	1	54	6752.33	17	31	24
H	May 2022	203	89	17	105	92	13	106	6751.40	16	59	48
I	Jun 2022	145	71	10	82	80	2	81	6752.67	17	62	21
S	Jul 2022	64	84	5	89	90	0	90	6747.68	15	65	28
T	Aug 2022	62	90	4	94	92	0	93	6751.52	17	66	31
O	Sep 2022	33	78	2	80	69	12	80	6750.17	16	62	22
WY 2022		755	614	70	684	622	62	684			393	295
R	Oct 2022	36	60	3	63	53	10	63	6751.29	16	41	21
I	Nov 2022	29	21	2	23	21	2	23	6752.92	17	0	21
C	Dec 2022	28	20	2	22	22	0	22	6751.64	17	2	21
A	Jan 2023	28	20	2	22	22	0	22	6751.37	16	2	21
L	Feb 2023	23	18	2	20	4	16	20	6751.71	17	1	19
*	Mar 2023	29	19	2	22	0	22	22	6751.16	16	2	21
	Apr 2023	75	39	10	49	0	48	48	6753.04	17	42	6
	May 2023	335	138	40	178	134	44	178	6753.04	17	62	116
	Jun 2023	475	184	55	239	130	109	239	6753.03	17	61	178
	Jul 2023	145	110	10	120	120	0	120	6753.04	17	65	55
	Aug 2023	71	94	4	98	98	0	98	6753.04	17	65	33
	Sep 2023	42	91	4	95	95	0	95	6753.04	17	55	40
WY 2023		1317	815	137	952	700	251	951			398	554
	Oct 2023	43	65	6	71	52	19	71	6753.04	17	55	16
	Nov 2023	37	38	4	42	42	0	42	6753.04	17	0	42
	Dec 2023	32	50	5	55	55	0	55	6753.04	17	0	55
	Jan 2024	31	50	5	55	55	0	55	6753.04	17	0	55
	Feb 2024	29	48	4	52	52	0	52	6753.04	17	0	52
	Mar 2024	46	49	6	55	55	0	55	6753.04	17	5	50
	Apr 2024	100	57	11	68	68	0	68	6753.04	17	42	26
	May 2024	251	102	25	127	127	0	127	6753.04	17	62	65
	Jun 2024	293	146	28	174	130	44	174	6753.03	17	61	113
	Jul 2024	98	112	8	120	120	0	120	6753.04	17	65	55
	Aug 2024	63	113	7	120	120	0	120	6753.04	17	65	55
	Sep 2024	42	104	6	110	110	0	110	6753.04	17	55	55
WY 2024		1065	935	115	1050	987	63	1049			410	639
	Oct 2024	43	94	6	100	56	44	100	6753.04	17	55	45
	Nov 2024	37	38	5	43	43	0	43	6753.04	17	0	43
	Dec 2024	32	56	5	61	61	0	61	6753.04	17	0	61
	Jan 2025	31	50	5	55	55	0	55	6753.04	17	0	55
	Feb 2025	29	46	4	50	50	0	50	6753.04	17	0	50
	Mar 2025	46	41	6	47	47	0	47	6753.04	17	5	42

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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)
*	Apr 2022	27	2	7644.01	73
H	May 2022	53	33	7652.10	92
I	Jun 2022	26	34	7648.50	83
S	Jul 2022	19	32	7642.57	70
T	Aug 2022	18	28	7637.64	59
O	Sep 2022	12	26	7630.15	45
	WY 2022	185	160		
R	Oct 2022	14	3	7635.84	56
I	Nov 2022	7	0	7639.00	62
C	Dec 2022	5	0	7641.15	67
A	Jan 2023	5	0	7643.44	72
L	Feb 2023	4	1	7644.74	75
*	Mar 2023	6	35	7630.44	46
	Apr 2023	17	31	7621.86	32
	May 2023	100	58	7644.36	74
	Jun 2023	110	60	7664.06	123
	Jul 2023	28	42	7658.71	109
	Aug 2023	16	38	7649.79	87
	Sep 2023	14	30	7642.88	71
	WY 2023	327	299		
	Oct 2023	13	17	7640.86	66
	Nov 2023	9	2	7644.09	73
	Dec 2023	7	2	7646.33	79
	Jan 2024	6	2	7648.08	83
	Feb 2024	5	2	7649.41	86
	Mar 2024	10	2	7652.70	94
	Apr 2024	23	2	7660.88	115
	May 2024	68	59	7664.07	123
	Jun 2024	62	62	7663.72	122
	Jul 2024	21	41	7655.66	101
	Aug 2024	15	38	7646.10	78
	Sep 2024	16	29	7639.97	64
	WY 2024	255	258		
	Oct 2024	13	16	7638.23	61
	Nov 2024	9	2	7641.58	68
	Dec 2024	7	2	7643.89	73
	Jan 2025	6	2	7645.69	77
	Feb 2025	5	2	7647.09	80
	Mar 2025	10	2	7650.45	88

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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)
*	Apr 2022	123	17	84	2	17	20	6023.53	898	44
H	May 2022	167	30	114	3	38	18	6029.39	954	104
I	Jun 2022	47	7	50	3	37	24	6027.89	939	61
S	Jul 2022	44	5	54	3	39	35	6025.41	916	55
T	Aug 2022	53	5	56	3	38	30	6023.95	902	49
O	Sep 2022	22	1	35	2	23	40	6020.65	872	56
WY 2022		574	66	484	20	200	296			595
R	Oct 2022	44	2	32	1	5	33	6019.84	865	51
I	Nov 2022	23	0	16	1	0	19	6019.52	862	37
C	Dec 2022	17	0	13	0	0	22	6018.45	852	37
A	Jan 2023	20	0	15	0	0	20	6017.85	847	34
L	Feb 2023	18	0	15	1	1	17	6017.38	843	30
*	Mar 2023	71	0	98	1	3	18	6025.86	920	46
	Apr 2023	160	20	153	2	19	18	6037.44	1034	63
	May 2023	400	49	309	3	33	145	6049.12	1161	360
	Jun 2023	320	44	227	4	48	140	6052.11	1196	385
	Jul 2023	65	6	73	4	52	18	6051.93	1194	103
	Aug 2023	30	2	50	3	44	21	6050.32	1175	57
	Sep 2023	26	1	41	3	24	22	6049.61	1167	50
WY 2023		1195	124	1040	23	230	493			1254
	Oct 2023	35	2	38	2	9	19	6050.32	1175	42
	Nov 2023	28	1	20	1	0	18	6050.42	1176	36
	Dec 2023	24	0	19	1	0	18	6050.39	1176	33
	Jan 2024	22	0	18	1	0	22	6050.01	1171	35
	Feb 2024	29	1	25	1	0	20	6050.34	1175	32
	Mar 2024	92	10	74	1	6	22	6054.15	1220	45
	Apr 2024	147	18	107	2	21	21	6059.24	1283	72
	May 2024	251	34	208	3	36	174	6058.82	1278	309
	Jun 2024	187	25	163	4	52	139	6056.28	1246	283
	Jul 2024	33	2	51	4	55	25	6053.55	1213	76
	Aug 2024	24	1	45	3	46	30	6050.67	1179	59
	Sep 2024	31	2	43	3	25	21	6050.16	1173	47
WY 2024		903	96	810	26	250	527			1067
	Oct 2024	35	2	37	2	9	22	6050.59	1178	45
	Nov 2024	30	1	22	1	0	21	6050.61	1178	39
	Dec 2024	24	0	19	1	0	22	6050.31	1175	37
	Jan 2025	22	0	18	1	0	22	6049.94	1170	35
	Feb 2025	29	1	25	1	0	19	6050.32	1175	31
	Mar 2025	92	10	74	1	5	22	6054.16	1220	45

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Most Probable Inflow*

Lake Powell



— BUREAU OF —
RECLAMATION

	Date	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)
*	Apr 2022	594	490	12	502	0	502	3522.77	4517	5791	510
H	May 2022	1382	1212	14	598	0	598	3531.69	4561	6346	599
I	Jun 2022	1284	1198	25	598	0	598	3539.81	4604	6878	595
S	Jul 2022	491	463	28	672	0	672	3536.20	4551	6212	672
T	Aug 2022	368	444	27	713	0	713	3531.69	4529	5938	722
O	Sep 2022	245	420	24	547	0	547	3529.33	4517	5797	562
	WY 2022	6084	6107	203	6999	0	6999				7066
R	Oct 2022	437	535	17	480	0	480	3529.92	4520	5832	494
I	Nov 2022	349	394	17	498	0	498	3528.02	4511	5720	507
C	Dec 2022	281	358	13	550	0	550	3524.75	4496	5531	560
A	Jan 2023	361	424	4	500	0	501	3523.45	4490	5456	510
L	Feb 2023	270	337	4	480	0	480	3521.04	4479	5320	493
*	Mar 2023	573	552	6	486	0	486	3522.02	4484	5375	500
	Apr 2023	1300	1049	11	910	0	910	3524.10	4493	5493	927
	May 2023	4000	3375	15	1088	0	1088	3557.30	4661	7597	1109
	Jun 2023	4600	3848	31	1118	0	1118	3589.77	4861	10096	1135
	Jul 2023	1400	1240	43	1130	0	1130	3590.50	4866	10159	1145
	Aug 2023	500	579	42	1130	0	1130	3583.90	4822	9610	1144
	Sep 2023	400	526	37	1129	0	1129	3576.50	4775	9018	1145
	WY 2023	14472	13215	237	9500	0	9500				9669
	Oct 2023	417	450	25	480	0	480	3575.85	4771	8967	496
	Nov 2023	490	497	24	500	0	500	3575.53	4769	8942	505
	Dec 2023	361	446	19	600	0	600	3573.47	4756	8782	603
	Jan 2024	350	433	6	723	0	723	3569.88	4734	8509	727
	Feb 2024	397	464	6	639	0	639	3567.64	4721	8341	650
	Mar 2024	614	544	10	675	0	675	3565.87	4711	8210	689
	Apr 2024	920	749	16	601	0	601	3567.52	4720	8332	618
	May 2024	2060	1911	20	599	0	599	3582.91	4816	9528	620
	Jun 2024	2423	1998	36	628	0	628	3597.46	4915	10764	645
	Jul 2024	711	690	45	709	0	709	3596.79	4910	10705	724
	Aug 2024	371	518	45	758	0	758	3593.79	4889	10442	772
	Sep 2024	316	468	41	568	0	568	3592.28	4879	10311	584
	WY 2024	9430	9168	291	7480	0	7480				7633
	Oct 2024	417	500	28	643	0	643	3590.44	4866	10153	659
	Nov 2024	450	484	27	642	0	642	3588.41	4852	9983	647
	Dec 2024	361	482	21	715	0	715	3585.59	4834	9748	718
	Jan 2025	350	460	6	857	0	857	3581.00	4804	9375	861
	Feb 2025	397	482	6	758	0	758	3577.72	4783	9114	769
	Mar 2025	614	534	11	801	0	801	3574.43	4762	8856	815

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead



— BUREAU OF —
RECLAMATION

	Date	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)
*	Apr 2022	502	30	33	1027	17.3	17	1026	522	1054.69	8026
H	May 2022	598	8	40	1083	17.6	25	1075	489	1047.69	7517
I	Jun 2022	598	16	47	889	14.9	29	877	467	1043.02	7187
S	Jul 2022	672	70	45	822	13.4	31	814	458	1040.92	7041
T	Aug 2022	713	183	48	573	9.3	25	567	473	1044.28	7275
O	Sep 2022	547	117	48	539	9.1	21	545	476	1045.03	7328
WY 2022		6999	787	463	8899		222	8888			
R	Oct 2022	480	94	46	418	6.8	16	434	482	1046.28	7417
I	Nov 2022	498	18	40	713	12.0	8	714	467	1043.02	7187
C	Dec 2022	550	63	32	438	7.1	8	439	475	1044.82	7313
A	Jan 2023	501	103	22	412	6.7	7	413	485	1046.97	7466
L	Feb 2023	480	46	21	494	8.9	8	493	485	1047.02	7469
*	Mar 2023	486	226	23	754	12.3	10	749	481	1046.03	7399
	Apr 2023	910	189	31	837	14.1	20	837	494	1048.80	7597
	May 2023	1088	142	39	983	16.0	25	983	505	1051.17	7767
	Jun 2023	1118	73	49	872	14.7	31	872	519	1054.23	7991
	Jul 2023	1130	55	48	833	13.6	31	833	536	1057.68	8248
	Aug 2023	1130	86	53	777	12.6	30	777	558	1062.09	8582
	Sep 2023	1129	72	53	706	11.9	22	706	583	1067.17	8976
WY 2023		9500	1166	455	8238		217	8250			
	Oct 2023	480	77	50	481	7.8	14	481	584	1067.31	8987
	Nov 2023	500	63	44	596	10.0	6	596	579	1066.30	8908
	Dec 2023	600	72	36	484	7.9	6	484	588	1068.05	9045
	Jan 2024	723	75	25	591	9.6	10	591	598	1070.10	9207
	Feb 2024	639	71	23	563	9.8	7	563	606	1071.47	9317
	Mar 2024	675	97	25	908	14.8	13	908	595	1069.42	9153
	Apr 2024	601	60	34	1033	17.4	14	1033	569	1064.37	8758
	May 2024	599	37	42	1014	16.5	18	1014	543	1058.99	8346
	Jun 2024	628	22	50	898	15.1	26	898	523	1054.92	8043
	Jul 2024	709	55	47	789	12.8	29	789	517	1053.62	7947
	Aug 2024	758	86	51	751	12.2	31	751	517	1053.75	7956
	Sep 2024	568	72	50	673	11.3	27	673	510	1052.34	7853
WY 2024		7480	786	478	8781		202	8781			
	Oct 2024	643	77	47	486	7.9	22	486	520	1054.45	8008
	Nov 2024	642	63	42	592	9.9	12	592	524	1055.20	8064
	Dec 2024	715	72	34	524	8.5	8	524	538	1057.99	8271
	Jan 2025	857	75	24	587	9.5	11	587	557	1061.83	8563
	Feb 2025	758	71	22	558	10.1	8	558	571	1064.75	8788
	Mar 2025	801	97	25	903	14.7	15	903	568	1064.21	8745

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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)
*	Apr 2022	1027	-31	13	975	0	975	16.4	643.08	1701
H	May 2022	1083	-20	14	1041	0	1041	16.9	643.35	1708
I	Jun 2022	889	-30	14	842	0	842	14.1	643.47	1712
S	Jul 2022	822	-26	12	770	0	770	12.5	643.97	1725
T	Aug 2022	573	-13	16	575	0	575	9.3	642.87	1695
O	Sep 2022	539	-6	16	617	0	617	10.4	639.17	1595
WY 2022		8899	-222	151	8495	0	8495			
R	Oct 2022	418	-2	14	540	0	542	8.8	633.78	1454
I	Nov 2022	713	-15	13	516	0	516	8.7	640.22	1623
C	Dec 2022	438	4	13	436	0	436	7.1	639.97	1617
A	Jan 2023	412	2	9	347	0	347	5.6	642.12	1675
L	Feb 2023	494	-18	8	429	0	444	8.0	643.00	1699
*	Mar 2023	754	-6	10	705	0	705	11.5	644.17	1731
	Apr 2023	837	-14	13	843	0	843	14.2	643.00	1699
	May 2023	983	-13	14	956	0	956	15.6	643.00	1699
	Jun 2023	872	-21	14	837	0	837	14.1	643.00	1699
	Jul 2023	833	-21	12	827	0	827	13.5	642.00	1671
	Aug 2023	777	-17	15	745	0	745	12.1	642.00	1671
	Sep 2023	706	-6	16	738	0	738	12.4	640.01	1617
WY 2023		8238	-127	152	7919	0	7936			
	Oct 2023	481	-11	14	639	0	639	10.4	633.00	1434
	Nov 2023	596	-16	13	516	0	516	8.7	635.00	1486
	Dec 2023	484	-2	13	352	0	352	5.7	639.51	1604
	Jan 2024	591	-11	9	509	0	509	8.3	641.80	1666
	Feb 2024	563	-13	8	542	0	542	9.4	641.80	1666
	Mar 2024	908	-10	10	853	0	853	13.9	643.05	1700
	Apr 2024	1033	-14	13	1009	0	1009	17.0	643.00	1699
	May 2024	1014	-13	14	987	0	987	16.0	643.00	1699
	Jun 2024	898	-21	14	863	0	863	14.5	643.00	1699
	Jul 2024	789	-21	12	783	0	783	12.7	642.00	1671
	Aug 2024	751	-17	15	719	0	719	11.7	642.00	1671
	Sep 2024	673	-6	16	705	0	705	11.8	640.01	1617
WY 2024		8781	-154	151	8476	0	8476			
	Oct 2024	486	-11	14	644	0	644	10.5	633.00	1434
	Nov 2024	592	-16	13	512	0	512	8.6	635.00	1486
	Dec 2024	524	-2	13	391	0	391	6.4	639.51	1604
	Jan 2025	587	-11	9	505	0	505	8.2	641.80	1666
	Feb 2025	558	-13	8	538	0	538	9.7	641.80	1666
	Mar 2025	903	-10	10	849	0	849	13.8	643.05	1700

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu



— BUREAU OF —
RECLAMATION

	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)
*	Apr 2022	975	6	11	737	12.4	100	141	447.11	563	161	2.7
H	May 2022	1041	8	13	741	12.0	106	150	448.68	593	145	2.4
I	Jun 2022	842	18	15	679	11.4	103	60	448.30	586	154	2.6
S	Jul 2022	770	31	17	639	10.4	106	19	448.84	596	150	2.4
T	Aug 2022	575	40	17	482	7.8	106	16	448.16	583	120	2.0
O	Sep 2022	617	15	15	458	7.7	103	52	447.96	579	108	1.8
WY 2022		8495	176	140	6231		1117	1112			1499	
R	Oct 2022	542	26	12	393	6.4	106	66	447.14	564	67	1.1
I	Nov 2022	516	1	9	336	5.6	103	67	447.09	563	89	1.5
C	Dec 2022	436	14	7	277	4.5	101	63	447.06	562	87	1.4
A	Jan 2023	347	16	6	261	4.2	54	40	447.14	564	125	2.0
L	Feb 2023	444	2	8	370	6.7	16	40	447.47	570	130	2.3
*	Mar 2023	705	40	9	553	9.0	70	91	448.31	586	168	2.7
	Apr 2023	843	44	11	659	11.1	55	167	447.50	570	153	2.6
	May 2023	956	42	13	720	11.7	71	164	448.50	589	125	2.0
	Jun 2023	837	48	16	691	11.6	97	66	448.70	593	128	2.1
	Jul 2023	827	17	17	708	11.5	100	21	448.00	580	130	2.1
	Aug 2023	745	19	17	625	10.2	100	20	447.50	571	103	1.7
	Sep 2023	738	12	15	542	9.1	97	86	447.50	570	100	1.7
WY 2023		7936	281	140	6135		968	892			1403	
	Oct 2023	639	21	12	466	7.6	99	74	447.50	571	68	1.1
	Nov 2023	516	14	9	383	6.4	47	85	447.50	570	84	1.4
	Dec 2023	352	17	7	281	4.6	51	45	446.50	552	84	1.4
	Jan 2024	509	7	6	313	5.1	90	101	446.50	552	138	2.2
	Feb 2024	542	4	8	411	7.1	12	109	446.50	552	124	2.2
	Mar 2024	853	2	9	608	9.9	102	123	446.70	555	147	2.4
	Apr 2024	1009	7	11	727	12.2	93	136	448.70	593	147	2.5
	May 2024	987	4	13	734	11.9	89	143	448.70	593	110	1.8
	Jun 2024	863	10	16	714	12.0	86	45	448.70	593	116	2.0
	Jul 2024	783	17	17	686	11.2	89	10	448.00	580	123	2.0
	Aug 2024	719	19	17	621	10.1	89	10	447.50	571	102	1.7
	Sep 2024	705	12	15	533	9.0	86	72	447.50	570	99	1.7
WY 2024		8476	134	139	6476		933	953			1343	
	Oct 2024	644	21	12	482	7.8	89	74	447.50	571	89	1.4
	Nov 2024	512	14	9	375	6.3	86	49	447.50	570	115	1.9
	Dec 2024	391	17	7	270	4.4	89	57	446.50	552	110	1.8
	Jan 2025	505	7	6	313	5.1	86	101	446.50	552	138	2.2
	Feb 2025	538	4	8	411	7.4	8	109	446.50	552	124	2.2
	Mar 2025	849	2	9	608	9.9	98	123	446.70	555	147	2.4

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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
*	Apr 2022	1027	17.3	1054.69	8026	-511	405.75	863.0	380.5	61	370.4
H	May 2022	1083	17.6	1047.69	7517	-509	397.38	1082.0	391.7	80	361.7
I	Jun 2022	889	14.9	1043.02	7187	-330	396.77	1076.9	315.1	81	354.6
S	Jul 2022	822	13.4	1040.92	7041	-146	392.29	1236.6	287.9	94	350.1
T	Aug 2022	573	9.3	1044.28	7275	234	399.70	1224.8	200.6	94	349.9
O	Sep 2022	539	9.1	1045.03	7328	53	400.65	1157.3	188.5	88	349.7
WY 2022		8899							3240.9		
R	Oct 2022	418	6.8	1046.28	7417	88	402.36	924.5	145.8	70	348.8
I	Nov 2022	713	12.0	1043.02	7187	-230	395.39	948.8	254.6	72	357.1
C	Dec 2022	438	7.1	1044.82	7313	126	403.20	975.8	152.9	72	348.9
A	Jan 2023	412	6.7	1046.97	7466	152	403.66	866.6	143.8	64	348.8
L	Feb 2023	494	8.9	1047.02	7469	4	399.03	810.5	175.9	60	356.5
*	Mar 2023	754	12.3	1046.03	7399	-70	397.62	863.6	270.4	65	358.8
	Apr 2023	837	14.1	1048.80	7597	198	397.53	839.3	306.5	65	366.1
	May 2023	983	16.0	1051.17	7767	171	399.72	904.6	359.9	72	365.9
	Jun 2023	872	14.7	1054.23	7991	224	401.76	983.3	316.3	78	362.6
	Jul 2023	833	13.6	1057.68	8248	256	403.98	1143.7	305.6	91	366.7
	Aug 2023	777	12.6	1062.09	8582	334	407.54	1249.3	284.9	97	366.8
	Sep 2023	706	11.9	1067.17	8976	393	412.59	1284.2	260.5	100	368.7
WY 2023		8238							2977.0		
	Oct 2023	481	7.8	1067.31	8987	11	421.44	793.7	182.5	62	379.7
	Nov 2023	596	10.0	1066.30	8908	-79	423.30	793.7	227.9	62	382.1
	Dec 2023	484	7.9	1068.05	9045	137	420.88	882.1	183.5	69	378.7
	Jan 2024	591	9.6	1070.10	9207	162	420.51	894.8	222.3	69	376.2
	Feb 2024	563	9.8	1071.47	9317	110	421.46	903.8	212.6	69	377.9
	Mar 2024	908	14.8	1069.42	9153	-164	419.41	1054.5	344.3	81	379.3
	Apr 2024	1033	17.4	1064.37	8758	-395	413.52	1258.6	383.8	100	371.4
	May 2024	1014	16.5	1058.99	8346	-412	408.38	1220.2	369.0	100	363.8
	Jun 2024	898	15.1	1054.92	8043	-304	403.70	1194.6	324.8	100	361.8
	Jul 2024	789	12.8	1053.62	7947	-96	401.37	1181.8	284.9	100	361.1
	Aug 2024	751	12.2	1053.75	7956	10	401.12	1181.8	269.8	100	359.0
	Sep 2024	673	11.3	1052.34	7853	-104	401.13	1401.6	239.7	100	356.0
WY 2024		8781							3244.9		
	Oct 2024	486	7.9	1054.45	8008	155	406.06	1085.1	177.6	78	365.4
	Nov 2024	592	9.9	1055.20	8064	56	410.19	1032.7	217.6	74	367.9
	Dec 2024	524	8.5	1057.99	8271	208	408.52	1223.8	187.4	86	357.8
	Jan 2025	587	9.5	1061.83	8563	291	411.30	1012.1	215.7	70	367.7
	Feb 2025	558	10.1	1064.75	8788	225	413.91	1026.9	207.9	70	372.3
	Mar 2025	903	14.7	1064.21	8745	-42	412.93	1266.0	335.9	87	371.8

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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
*	Apr 2022	975	16.4	643.08	1701	8	137.93	255.0	124.0	100	127.1
H	May 2022	1041	16.9	643.35	1708	7	140.42	241.8	132.1	95	126.9
I	Jun 2022	842	14.1	643.47	1712	3	139.18	251.6	108.5	99	128.9
S	Jul 2022	770	12.5	643.97	1725	14	144.37	255.0	99.3	100	129.1
T	Aug 2022	575	9.3	642.87	1695	-30	141.93	253.3	74.7	99	129.9
O	Sep 2022	617	10.4	639.17	1595	-100	137.50	248.2	78.5	97	127.3
WY 2022		8495							1074.5		
R	Oct 2022	540	8.8	633.78	1454	-141	134.35	185.9	66.9	73	123.8
I	Nov 2022	516	8.7	640.22	1623	169	141.13	154.7	62.5	61	121.1
C	Dec 2022	436	7.1	639.97	1617	-7	140.89	159.6	53.9	63	123.5
A	Jan 2023	347	5.6	642.12	1675	58	143.26	157.9	44.3	62	127.7
L	Feb 2023	429	8.0	643.00	1699	24	141.81	185.8	56.7	73	132.3
*	Mar 2023	705	11.5	644.17	1731	32	141.44	215.5	93.4	85	132.4
	Apr 2023	843	14.2	643.00	1699	-32	140.13	255.0	106.4	100	126.2
	May 2023	956	15.6	643.00	1699	0	139.06	248.4	119.8	97	125.3
	Jun 2023	837	14.1	643.00	1699	0	139.58	255.0	105.3	100	125.7
	Jul 2023	827	13.5	642.00	1671	-27	139.30	255.0	103.8	100	125.5
	Aug 2023	745	12.1	642.00	1671	0	139.30	255.0	93.4	100	125.5
	Sep 2023	738	12.4	640.01	1617	-54	138.20	255.0	91.9	100	124.5
WY 2023		7919							998.3		
	Oct 2023	639	10.4	633.00	1434	-183	134.49	227.0	77.4	89	121.2
	Nov 2023	516	8.7	635.00	1486	51	132.70	159.8	61.7	63	119.6
	Dec 2023	352	5.7	639.51	1604	118	137.30	154.7	43.5	61	123.7
	Jan 2024	509	8.3	641.80	1666	62	139.53	156.3	64.0	61	125.7
	Feb 2024	542	9.4	641.80	1666	0	140.19	160.0	68.5	63	126.3
	Mar 2024	853	13.9	643.05	1700	34	139.08	194.1	106.9	76	125.3
	Apr 2024	1009	17.0	643.00	1699	-2	138.62	249.9	126.0	98	124.9
	May 2024	987	16.0	643.00	1699	0	138.89	255.0	123.5	100	125.1
	Jun 2024	863	14.5	643.00	1699	0	139.43	255.0	108.4	100	125.6
	Jul 2024	783	12.7	642.00	1671	-27	139.57	255.0	98.4	100	125.7
	Aug 2024	719	11.7	642.00	1671	0	139.47	255.0	90.4	100	125.7
	Sep 2024	705	11.8	640.01	1617	-54	138.42	255.0	87.9	100	124.7
WY 2024		8476							1056.5		
	Oct 2024	644	10.5	633.00	1434	-183	134.45	227.0	78.0	89	121.1
	Nov 2024	512	8.6	635.00	1486	51	132.74	159.8	61.2	63	119.6
	Dec 2024	391	6.4	639.51	1604	118	137.00	154.7	48.3	61	123.4
	Jan 2025	505	8.2	641.80	1666	62	139.56	156.3	63.5	61	125.7
	Feb 2025	538	9.7	641.80	1666	0	140.07	156.6	67.9	61	126.2
	Mar 2025	849	13.8	643.05	1700	34	139.11	194.1	106.4	76	125.3

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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
*	Apr 2022	737	12.4	447.11	563	-17	79.08	120.0	50.8	100	68.9
H	May 2022	741	12.0	448.68	593	30	84.09	120.0	51.5	100	69.5
I	Jun 2022	679	11.4	448.30	586	-7	78.23	120.0	47.2	100	69.4
S	Jul 2022	639	10.4	448.84	596	10	82.19	120.0	44.7	100	69.9
T	Aug 2022	482	7.8	448.16	583	-13	83.58	120.0	33.4	100	69.3
O	Sep 2022	458	7.7	447.96	579	-4	81.26	120.0	31.4	100	68.7
WY 2022		6231							431.0		
R	Oct 2022	393	6.4	447.14	564	-15	81.28	91.9	27.2	77	69.1
I	Nov 2022	336	5.6	447.09	563	-1	82.54	82.0	22.8	68	68.0
C	Dec 2022	277	4.5	447.06	562	0	82.38	60.0	18.5	50	66.8
A	Jan 2023	261	4.2	447.14	564	2	81.41	72.6	17.3	60	66.4
L	Feb 2023	357	6.7	447.47	570	6	81.43	94.3	25.4	79	71.2
*	Mar 2023	553	9.0	448.31	586	16	81.24	120.0	38.6	100	69.8
	Apr 2023	659	11.1	447.50	570	-15	78.36	120.0	46.2	100	70.0
	May 2023	720	11.7	448.50	589	19	78.20	120.0	50.2	100	69.7
	Jun 2023	691	11.6	448.70	593	4	78.84	120.0	48.5	100	70.2
	Jul 2023	708	11.5	448.00	580	-13	78.63	120.0	49.3	100	69.7
	Aug 2023	625	10.2	447.50	571	-10	78.56	120.0	43.4	100	69.4
	Sep 2023	542	9.1	447.50	570	0	78.77	120.0	37.5	100	69.3
WY 2023		6121							425.0		
	Oct 2023	466	7.6	447.50	571	0	79.46	91.0	32.8	76	70.3
	Nov 2023	383	6.4	447.50	570	0	80.01	92.0	26.3	77	68.6
	Dec 2023	281	4.6	446.50	552	-19	80.49	112.3	17.8	94	63.5
	Jan 2024	313	5.1	446.50	552	0	79.71	92.9	20.9	77	66.8
	Feb 2024	411	7.1	446.50	552	0	78.66	96.2	28.4	80	69.1
	Mar 2024	608	9.9	446.70	555	4	77.53	120.0	41.7	100	68.6
	Apr 2024	727	12.2	448.70	593	38	77.71	120.0	50.5	100	69.5
	May 2024	734	11.9	448.70	593	0	78.82	120.0	51.5	100	70.2
	Jun 2024	714	12.0	448.70	593	0	78.79	120.0	50.1	100	70.2
	Jul 2024	686	11.2	448.00	580	-13	78.77	120.0	47.9	100	69.8
	Aug 2024	621	10.1	447.50	571	-10	78.59	120.0	43.1	100	69.4
	Sep 2024	533	9.0	447.50	570	0	78.83	120.0	36.9	100	69.3
WY 2024		6476							448.0		
	Oct 2024	482	7.8	447.50	571	0	79.34	90.0	33.8	75	70.1
	Nov 2024	375	6.3	447.50	570	0	80.08	92.0	25.7	77	68.6
	Dec 2024	270	4.4	446.50	552	-19	80.59	114.2	17.2	95	63.6
	Jan 2025	313	5.1	446.50	552	0	79.71	92.9	20.9	77	66.8
	Feb 2025	411	7.4	446.50	552	0	78.54	95.4	28.4	79	69.0
	Mar 2025	608	9.9	446.70	555	4	77.53	120.0	41.7	100	68.6

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Most Probable Inflow*
Upper Basin Power



— BUREAU OF —
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
*	Apr 2022	179	19	11	15	10	0
H	May 2022	214	52	20	31	18	3
I	Jun 2022	222	41	18	25	16	6
S	Jul 2022	251	29	23	29	17	7
T	Aug 2022	265	39	23	31	18	6
O	Sep 2022	201	42	14	27	13	5
	Summer 2022	1332	222	108	160	92	28
R	Oct 2022	175	42	0	21	10	2
I	Nov 2022	181	38	0	6	2	1
C	Dec 2022	199	40	1	6	2	4
A	Jan 2023	182	41	4	5	2	4
L	Feb 2023	172	37	5	6	0	1
*	Mar 2023	173	23	4	6	0	3
	Winter 2023	1083	220	15	49	16	15
	Apr 2023	317	16	10	14	0	3
	May 2023	397	16	30	50	23	6
	Jun 2023	441	16	47	66	22	7
	Jul 2023	462	21	32	40	21	8
	Aug 2023	459	30	28	34	17	7
	Sep 2023	451	33	8	33	16	5
	Summer 2023	2527	132	154	236	100	37
	Oct 2023	191	21	19	23	9	4
	Nov 2023	198	21	11	14	7	4
	Dec 2023	237	34	15	18	10	5
	Jan 2024	284	34	15	18	10	4
	Feb 2024	249	32	13	17	9	4
	Mar 2024	262	20	14	18	10	3
	Winter 2024	1421	163	86	108	54	24
	Apr 2024	233	20	13	21	12	2
	May 2024	236	74	24	37	22	5
	Jun 2024	256	19	41	53	22	7
	Jul 2024	293	23	34	40	21	8
	Aug 2024	312	35	35	41	21	6
	Sep 2024	233	37	32	38	19	5
	Summer 2024	1563	208	179	229	117	34
	Oct 2024	262	28	28	34	10	4
	Nov 2024	261	29	11	14	8	4
	Dec 2024	289	43	17	20	11	5
	Jan 2025	344	43	15	18	10	4
	Feb 2025	301	39	13	17	9	4
	Mar 2025	316	20	12	15	8	4
	Winter 2025	1774	202	95	118	54	24

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2023 24-Month Study

Most Probable Inflow*

Flood Control Criteria - Beginning of Month Conditions



— BUREAU OF —
RECLAMATION

Date	Flaming Gorge	Blue Mesa	Navajo	Lake Powell	Upper Basin Total	Lake Mead	Total	Flaming Gorge	Blue Mesa	Navajo	Tot or Max Allow	Lake Powell	Lake Mead	BOM Space Total	Mead Sched Rel	Mead FC Rel	Sys Cont	
	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	MAF	
**** PREDICTED SPACE ****								**** EFFECTIVE SPACE ****										
Apr 2023	1,433	522	728	17939	20622	20221	40843	992	441	439	1872	17939	20221	40032	1500	837	0	19.6
May 2023	1,320	497	614	17820	20251	20023	40274	870	418	304	1592	17820	20023	39435	1500	983	0	22.5
Jun 2023	1,040	356	487	15717	17600	19853	37452	574	261	141	976	15717	19853	36545	1500	872	0	25.9
Jul 2023	636	148	452	13217	14454	19629	34082	147	25	54	226	13217	19629	33071	1500	833	0	26.3
**** CREDITABLE SPACE ****								**** EFFECTIVE SPACE ****										
Aug 2023	509	122	454	13155	14239	19372	33612	509	122	454	1085	13155	19372	33612	1500	777	0	26.0
Sep 2023	537	140	473	13704	14854	19038	33891	537	140	473	1149	13704	19038	33891	2270	706	0	25.6
Oct 2023	599	183	481	14296	15560	18644	34204	599	183	481	1264	14296	18644	34204	3040	481	0	25.3
Nov 2023	618	205	473	14347	15643	18633	34276	618	205	473	1296	14347	18633	34276	3810	596	0	25.3
Dec 2023	633	209	472	14372	15686	18712	34398	633	209	472	1315	14372	18712	34398	4580	484	0	25.3
Jan 2024	702	231	472	14532	15937	18575	34512	702	231	472	1405	14532	18575	34512	5350	591	0	25.1
**** EFFECTIVE SPACE ****								**** EFFECTIVE SPACE ****										
Jan 2024	702	231	472	14532	15937	18575	34512	411	196	224	830	14532	18575	33937	5350	591	0	25.1
Feb 2024	763	254	477	14805	16299	18413	34711	470	220	228	918	14805	18413	34136	1500	563	0	25.0
Mar 2024	816	276	473	14973	16537	18303	34841	522	243	223	988	14973	18303	34264	1500	908	0	24.8
Apr 2024	795	284	428	15103	16611	18467	35078	497	252	171	920	15103	18467	34490	1500	1033	0	24.7
May 2024	749	250	365	14981	16346	18862	35208	444	220	84	749	14981	18862	34592	1500	1014	0	25.6
Jun 2024	737	136	370	13785	15028	19274	34302	426	97	51	573	13785	19274	33632	1500	898	0	26.9
Jul 2024	424	31	402	12550	13407	19577	32984	92	-22	26	96	12550	19577	32223	1500	789	0	26.8
**** CREDITABLE SPACE ****								**** EFFECTIVE SPACE ****										
Aug 2024	351	43	435	12609	13437	19673	33110	351	43	435	828	12609	19673	33110	1500	751	0	26.4
Sep 2024	402	85	469	12872	13828	19664	33491	402	85	469	956	12872	19664	33491	2270	673	0	25.9
Oct 2024	480	143	475	13003	14101	19767	33868	480	143	475	1098	13003	19767	33868	3040	486	0	25.6
Nov 2024	517	199	470	13160	14346	19612	33959	517	199	470	1186	13160	19612	33959	3810	592	0	25.5
Dec 2024	556	205	470	13331	14562	19556	34118	556	205	470	1231	13331	19556	34118	4580	524	0	25.5
Jan 2025	651	232	473	13566	14922	19349	34271	651	232	473	1356	13566	19349	34271	5350	587	0	25.3
**** EFFECTIVE SPACE ****								**** EFFECTIVE SPACE ****										
Jan 2025	651	232	473	13566	14922	19349	34271	364	216	227	806	13566	19349	33721	5350	587	0	25.3
Feb 2025	737	256	477	13939	15409	19057	34467	450	240	231	921	13939	19057	33917	1500	558	0	25.2
Mar 2025	811	275	473	14200	15759	18832	34592	523	261	225	1009	14200	18832	34042	1500	903	0	25.0

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