



To: All Annual Operating Plan Recipients

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The operation of Lake Powell and Lake Mead in this August 2022 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 2022 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the August 2021 24-Month Study projections of the January 1, 2022, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2022.

The August 2021 24-Month study projected the January 1, 2022, 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 2022 is the Mid-Elevation Release Tier.

The August 2021 24-Month Study projected the January 1, 2022 Lake Mead elevation to be at or below 1,075 feet and at or 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 calendar year (CY) 2022. In addition, Section III.B of Exhibit 1 to the Lower Basin Drought Contingency Plan (DCP) Agreement will also govern the operation of Lake Mead for CY 2022. 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 will also take place in CY 2022.

In light of the prolonged drought, low runoff conditions, and depleted storage at Lake Powell, the Department of the Interior implemented an action under Sections 6 and 7.D of the 2007 Interim Guidelines specifically reducing the Glen Canyon Dam annual releases to 7.00 maf in water year 2022¹. This action was undertaken in conjunction with the 2022 Drought Response Operations Plan² actions which together are anticipated to add approximately one million additional acre-feet of storage to Lake Powell by April 2023. The Department of Interior and Reclamation will work to determine the manner in which to operate Glen Canyon Dam to ensure the benefits of these actions are preserved.

The reduction of releases from Lake Powell from 7.48 maf to 7.00 maf in water year 2022 will result in a reduced release volume of 0.480 maf that normally would have been released from Glen Canyon Dam to Lake Mead as part of the 7.48 maf annual release volume, consistent with routine operations under the 2007 Interim Guidelines. The reduction of releases from Glen Canyon Dam in water year 2022 (resulting in increased storage in Lake Powell) will not affect future operating determinations and will be accounted for "as if" this volume of water had been delivered to Lake Mead. The August 2022 24-Month Study modeled 2023 and 2024 operations at Lakes Powell and Mead as if the 0.480 maf had been delivered to Lake Mead for operating condition purposes both for the U.S. Lower Basin and for Mexico. The elevations listed in this report reflect the projected physical elevations at each reservoir after implementing operations as described.

Using the approach described in the immediately preceding paragraph, the August 2022 24-Month Study projects 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 operations in water year 2023 will be governed by the Lower Elevation Balancing Tier with an initial projected water year release volume of 7.00 maf. Because the 2022 operations were designed to protect critical elevations at Lake

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>.

Powell, Reclamation will implement Lower Elevation Balancing Tier operations in a way that continues to protect these critical elevations, or preserves the benefits of the 2022 operations to protect Lake Powell, in water year 2023. Specifically, Reclamation modeled operations in WY 2023 as follows in the August 24-Month Study:

- The Glen Canyon Dam annual release has initially been set to 7.00 maf, and in April 2023 Reclamation will evaluate hydrologic conditions to determine if balancing releases may be appropriate under the conditions established in the 2007 Interim Guidelines;
- Balancing releases will be limited (with a minimum of 7.00 maf) to protect Lake Powell from declining below elevation 3,525 feet at the end of December 2023;
- Balancing releases will take into account operational neutrality of the 0.480 maf that was retained in Lake Powell under the May 2022 action.¹ Any Lake Powell balancing release volume will be calculated as if the 0.480 maf had been delivered to Lake Mead in WY 2022; and
- The modeling approach for WY 2023 will apply to 2024.

Consistent with the provisions of the 2007 Interim Guidelines, and to preserve the benefits to Glen Canyon Dam facilities from 2022 Operations into 2023 and 2024, Reclamation will consult with the Basin States on monthly and annual operations. Reclamation will also ensure all appropriate consultation with Basin Tribes, the Republic of Mexico, other federal agencies, water users and non-governmental organizations with respect to implementation of these monthly and annual operations.

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, the Republic of 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 projects the January 1, 2023 Lake Mead elevation, determined as if the 0.480 maf had been delivered to Lake Mead in water year 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 2023. In addition, Section III.B of Exhibit 1 to the Lower Basin DCP Agreement will govern the operation of Lake Mead for calendar year 2023. Efforts to conserve additional water in Lake Mead under the 2021 MOU will also continue 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 July was 0.491 maf or 51 percent of the 30-year average from 1991 to 2020. The August unregulated inflow forecast for Lake Powell is 0.250 maf or 66 percent of the 30-year average. The preliminary observed 2022 April through July unregulated inflow is 3.75 maf or 59 percent of average.

In this study, the calendar year 2022 diversion for Metropolitan Water District of Southern California (MWD) is projected to be 1.08 maf. The calendar year 2022 diversion for the Central Arizona Project (CAP) is projected to be 0.997 maf. Consumptive use for Nevada above Hoover (SNWP Use) is projected to be 0.238 maf for calendar year 2022.

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 PO&M 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 Colleen Dwyer at (702) 293-8420.

Runoff and inflow projections into upper basin reservoirs are provided by the Colorado River Forecasting Service through the National Weather Service's Colorado Basin River Forecast Center and are as follows in thousand acre-feet (kaf):

Reservoir	Observed Inflow (kaf)				Jul	Inflow Forecast (kaf)			Preliminary Observed	
	Apr	May	Jun	Jul	%Avg	Aug	Sep	Oct	Apr-Jul	%Avg
Lake Powell	594	1381	1284	491	51%	250	240	350	3750	59%
Fontenelle	50	63	241	102	60%	43	35	36	456	62%
Flaming Gorge	66	88	274	124	61%	47	37	44	552	57%
Blue Mesa	62	177	133	59	55%	38	28	29	431	68%
Morrow Point	65	186	134	60	53%	40	29	31	445	64%
Crystal	73	203	145	64	52%	43	32	34	485	63%
Taylor Park	7.8	27	26	11.3	61%	7	5.5	5.5	72	77%
Vallecito	27	53	26	18.8	76%	13	10	9.5	125	71%
Navajo	123	167	47	44	92%	32	30	29	381	60%
Lemon	5.4	16.2	5.2	4.9	88%	3	2.3	1.8	32	67%
McPhee	41	72	22	8.5	44%	6.5	6	5	144	56%
Ridgway	7	19.7	17.6	12.6	56%	8.5	6	5	57	62%
Deerlodge	123	425	314	48	56%	10	10	24	910	76%
Durango	35	112	54	29	49%	22	18	17	230	60%

The 2022 AOP is available online at:

<https://www.usbr.gov/lc/region/g4000/aop/AOP22.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 Drought Response Operations Agreement 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_08_ucb.pdf.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2022 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)
*	Aug 2021	35	2	41	0	41	6493.52	242
H	Sep 2021	26	2	36	0	36	6491.82	230
	WY 2021	561	14	471	94	566		
I	Oct 2021	37	1	33	4	37	6491.82	229
S	Nov 2021	39	1	43	0	43	6491.01	225
T	Dec 2021	29	1	50	0	50	6487.63	203
O	Jan 2022	29	1	51	0	51	6483.90	180
R	Feb 2022	23	1	46	0	46	6479.63	157
I	Mar 2022	46	1	50	0	50	6478.63	151
C	Apr 2022	50	1	5	44	49	6478.74	152
A	May 2022	63	1	47	8	55	6479.96	158
L	Jun 2022	241	2	82	0	82	6503.59	315
*	Jul 2022	102	3	83	11	93	6504.34	321
	Aug 2022	43	2	63	0	63	6501.44	309
	Sep 2022	35	2	60	0	60	6497.94	283
	WY 2022	736	15	612	66	679		
	Oct 2022	36	1	61	0	61	6494.23	256
	Nov 2022	34	1	59	0	59	6490.45	230
	Dec 2022	28	1	60	0	60	6485.40	197
	Jan 2023	26	1	60	0	60	6479.40	163
	Feb 2023	24	0	54	0	54	6473.18	132
	Mar 2023	42	0	60	0	60	6468.88	114
	Apr 2023	65	1	34	28	62	6469.39	116
	May 2023	130	1	76	0	76	6480.52	169
	Jun 2023	275	2	102	45	147	6499.56	295
	Jul 2023	165	3	102	25	126	6504.23	331
	Aug 2023	60	2	80	0	80	6501.38	309
	Sep 2023	40	2	65	0	65	6497.74	281
	WY 2023	925	15	814	98	912		
	Oct 2023	46	1	68	0	68	6494.57	259
	Nov 2023	42	1	64	0	64	6491.30	236
	Dec 2023	32	1	66	0	66	6485.99	201
	Jan 2024	31	1	66	0	66	6479.87	165
	Feb 2024	29	0	62	0	62	6473.14	132
	Mar 2024	51	0	65	0	65	6469.78	117
	Apr 2024	77	1	34	37	71	6470.95	122
	May 2024	166	1	83	0	83	6486.41	204
	Jun 2024	301	2	104	99	202	6500.24	300
	Jul 2024	146	3	101	10	111	6504.38	332

* 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

August 2022 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)
*	Aug 2021	44	50	12	98	0	98	121	6021.02	3016	111
H	Sep 2021	27	37	10	96	0	96	119	6019.15	2950	107
	WY 2021	650	657	77	835	0	835				1430
I	Oct 2021	49	50	7	77	0	77	117	6018.23	2918	107
S	Nov 2021	47	49	3	51	0	51	117	6018.09	2913	87
T	Dec 2021	21	41	2	52	0	52	117	6017.72	2900	82
O	Jan 2022	33	55	2	52	0	52	117	6017.75	2901	80
R	Feb 2022	30	54	2	47	0	47	117	6017.87	2905	70
I	Mar 2022	74	83	3	52	0	52	118	6018.65	2932	111
C	Apr 2022	66	62	5	51	0	51	118	6018.81	2938	179
A	May 2022	88	88	7	139	48	187	114	6015.77	2769	570
L	Jun 2022	274	113	9	110	12	121	113	6015.25	2752	465
*	Jul 2022	125	110	11	79	0	79	106	6016.09	2780	137
	Aug 2022	47	67	11	113	0	113	104	6014.44	2726	123
	Sep 2022	37	62	9	126	0	126	101	6012.25	2655	136
	WY 2022	891	834	70	949	60	1008				2147
	Oct 2022	44	69	6	85	0	85	100	6011.61	2635	109
	Nov 2022	42	67	3	72	0	72	100	6011.38	2628	99
	Dec 2022	29	61	1	116	0	116	98	6009.65	2573	139
	Jan 2023	32	66	1	121	0	121	95	6007.91	2519	143
	Feb 2023	35	65	2	107	0	107	94	6006.56	2478	129
	Mar 2023	85	103	2	74	0	74	95	6007.40	2504	131
	Apr 2023	105	102	4	71	0	71	96	6008.25	2529	276
	May 2023	180	126	6	215	0	215	92	6005.23	2437	735
	Jun 2023	350	222	8	68	0	68	98	6009.77	2577	468
	Jul 2023	195	156	11	61	0	61	101	6012.35	2658	126
	Aug 2023	67	87	10	74	0	74	101	6012.43	2661	89
	Sep 2023	46	71	9	74	0	74	101	6012.08	2650	89
	WY 2023	1210	1197	64	1138	0	1138				2533
	Oct 2023	54	76	6	77	0	77	100	6011.87	2643	106
	Nov 2023	51	73	3	67	0	67	101	6011.95	2646	99
	Dec 2023	34	68	1	77	0	77	100	6011.65	2636	102
	Jan 2024	42	77	1	77	0	77	100	6011.61	2635	102
	Feb 2024	43	76	2	72	0	72	100	6011.68	2637	97
	Mar 2024	85	99	3	52	0	52	102	6013.02	2680	126
	Apr 2024	111	105	4	51	0	51	104	6014.53	2729	254
	May 2024	239	156	6	221	0	221	101	6012.41	2660	734
	Jun 2024	389	290	9	63	0	63	110	6018.82	2871	430
	Jul 2024	161	126	12	54	0	54	112	6020.54	2928	114

* 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

August 2022 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)
*	Aug 2021	7	15	9306.36	64
H	Sep 2021	4	10	9302.48	59
	WY 2021	92	102		
I	Oct 2021	5	5	9302.69	59
S	Nov 2021	4	4	9302.58	59
T	Dec 2021	5	5	9302.55	59
O	Jan 2022	4	4	9302.29	58
R	Feb 2022	3	4	9301.88	58
I	Mar 2022	4	4	9301.56	57
C	Apr 2022	8	6	9302.92	59
A	May 2022	27	12	9312.55	74
L	Jun 2022	26	19	9316.61	81
*	Jul 2022	11	15	9314.18	77
	Aug 2022	7	13	9310.29	70
	Sep 2022	6	8	9309.26	69
	WY 2022	109	99		
	Oct 2022	6	6	9309.46	69
	Nov 2022	5	5	9309.43	69
	Dec 2022	5	5	9309.27	69
	Jan 2023	4	5	9308.50	68
	Feb 2023	4	5	9307.99	67
	Mar 2023	4	5	9307.20	66
	Apr 2023	8	6	9308.50	68
	May 2023	25	12	9316.40	81
	Jun 2023	38	18	9327.17	101
	Jul 2023	15	21	9324.08	95
	Aug 2023	9	18	9319.23	86
	Sep 2023	7	15	9314.65	78
	WY 2023	130	121		
	Oct 2023	7	9	9313.46	76
	Nov 2023	5	5	9313.43	75
	Dec 2023	4	5	9312.68	74
	Jan 2024	5	5	9312.56	74
	Feb 2024	4	5	9312.07	73
	Mar 2024	5	5	9311.95	73
	Apr 2024	9	9	9311.95	73
	May 2024	26	15	9318.39	84
	Jun 2024	40	18	9329.91	106
	Jul 2024	15	21	9326.91	100

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2022 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)
*	Aug 2021	45	53	1	93	0	93	7450.20	310
H	Sep 2021	19	25	1	94	0	94	7436.58	241
	WY 2021	518	528	6	713	2	715		
I	Oct 2021	27	26	0	58	0	58	7429.52	209
S	Nov 2021	27	27	0	16	0	16	7431.94	220
T	Dec 2021	22	22	0	11	0	11	7434.40	231
O	Jan 2022	20	20	0	14	0	14	7435.80	236
R	Feb 2022	18	19	0	14	0	14	7436.57	241
I	Mar 2022	30	30	0	32	0	32	7436.17	239
C	Apr 2022	62	60	0	44	0	46	7438.94	252
A	May 2022	177	162	1	79	0	79	7454.56	335
L	Jun 2022	133	126	1	69	0	69	7463.76	391
*	Jul 2022	59	63	1	84	0	84	7460.15	368
	Aug 2022	38	44	1	86	0	86	7452.95	326
	Sep 2022	28	30	1	37	42	79	7443.57	275
	WY 2022	639	629	6	545	42	589		
	Oct 2022	29	29	0	0	78	78	7433.21	225
	Nov 2022	25	25	0	0	13	13	7435.77	237
	Dec 2022	21	21	0	14	0	14	7437.35	245
	Jan 2023	20	21	0	15	0	15	7438.69	251
	Feb 2023	18	19	0	13	0	13	7439.89	257
	Mar 2023	28	29	0	16	0	16	7442.60	270
	Apr 2023	58	56	0	49	0	49	7443.90	277
	May 2023	195	182	1	115	0	115	7455.97	343
	Jun 2023	250	230	1	26	0	26	7485.91	546
	Jul 2023	92	98	1	76	0	76	7488.55	566
	Aug 2023	51	60	1	79	0	79	7485.91	546
	Sep 2023	33	41	1	75	0	75	7481.20	511
	WY 2023	820	811	7	478	91	569		
	Oct 2023	35	37	0	72	0	72	7476.36	476
	Nov 2023	30	30	0	13	0	13	7478.69	492
	Dec 2023	26	27	0	14	0	14	7480.53	506
	Jan 2024	25	25	0	14	0	14	7482.06	517
	Feb 2024	23	24	0	12	0	12	7483.56	528
	Mar 2024	38	38	0	17	0	17	7486.37	550
	Apr 2024	78	78	1	28	0	28	7492.72	599
	May 2024	204	193	1	69	0	69	7507.52	722
	Jun 2024	251	229	1	130	0	130	7518.47	819
	Jul 2024	86	92	2	108	0	108	7516.54	802

* 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

August 2022 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)
*	Aug 2021	46	93	1	93	94	0	94	7150.92	110
H	Sep 2021	19	94	0	94	93	0	93	7152.50	111
	WY 2021	539	715	21	736	734	0	734		
I	Oct 2021	27	58	1	59	61	0	61	7149.67	109
S	Nov 2021	30	16	3	19	17	0	17	7151.77	110
T	Dec 2021	23	11	1	12	16	0	16	7145.62	106
O	Jan 2022	21	14	1	15	16	0	16	7144.25	105
R	Feb 2022	19	14	1	15	14	0	14	7145.30	105
I	Mar 2022	31	32	2	33	30	0	30	7149.87	109
C	Apr 2022	65	46	3	50	47	0	47	7153.31	112
A	May 2022	186	79	9	88	89	0	89	7152.08	111
L	Jun 2022	134	69	1	70	71	0	71	7150.86	110
*	Jul 2022	60	84	1	85	84	0	84	7152.31	111
	Aug 2022	40	86	2	88	87	0	87	7153.73	112
	Sep 2022	29	79	1	80	80	0	80	7153.73	112
	WY 2022	664	589	25	614	612	0	612		
	Oct 2022	31	78	2	80	80	0	80	7153.73	112
	Nov 2022	27	13	2	15	15	0	15	7153.73	112
	Dec 2022	23	14	2	16	16	0	16	7153.73	112
	Jan 2023	22	15	2	17	17	0	17	7153.73	112
	Feb 2023	20	13	2	15	15	0	15	7153.73	112
	Mar 2023	31	16	3	19	18	0	18	7153.73	112
	Apr 2023	67	49	9	58	58	0	58	7153.73	112
	May 2023	215	115	20	135	135	0	135	7153.73	112
	Jun 2023	270	26	20	46	46	0	46	7153.72	112
	Jul 2023	96	76	4	80	80	0	80	7153.73	112
	Aug 2023	54	79	3	82	82	0	82	7153.73	112
	Sep 2023	34	75	1	76	76	0	76	7153.73	112
	WY 2023	890	569	70	639	638	0	638		
	Oct 2023	36	72	1	73	73	0	73	7153.73	112
	Nov 2023	31	13	1	14	14	0	14	7153.73	112
	Dec 2023	27	14	1	15	15	0	15	7153.73	112
	Jan 2024	26	14	1	15	15	0	15	7153.73	112
	Feb 2024	25	12	2	14	14	0	14	7153.73	112
	Mar 2024	40	17	2	19	18	0	18	7153.73	112
	Apr 2024	89	28	11	39	39	0	39	7153.73	112
	May 2024	226	69	22	91	91	0	91	7153.73	112
	Jun 2024	265	130	14	144	144	0	144	7153.72	112
	Jul 2024	90	108	4	112	112	0	112	7153.73	112

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

Model Run ID: 3198

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2022 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)
*	Aug 2021	52	94	8	100	100	0	100	6751.89	17	65	38
H	Sep 2021	23	93	3	96	95	0	96	6752.92	17	61	36
	WY 2021	591	734	52	785	762	22	784			423	365
I	Oct 2021	32	61	5	66	34	32	66	6752.35	17	41	24
S	Nov 2021	34	17	4	21	22	0	22	6749.65	16	1	19
T	Dec 2021	27	16	4	21	20	0	21	6750.09	16	1	19
O	Jan 2022	25	16	4	21	20	0	21	6750.38	16	1	18
R	Feb 2022	22	14	3	17	18	0	18	6748.37	15	0	17
I	Mar 2022	36	30	4	34	32	1	32	6752.56	17	6	25
C	Apr 2022	73	47	8	54	54	1	54	6752.33	17	31	24
A	May 2022	203	89	17	105	92	13	106	6751.40	16	59	48
L	Jun 2022	145	71	10	82	80	2	81	6752.67	17	62	21
*	Jul 2022	64	84	4	88	89	0	90	6747.68	15	65	28
	Aug 2022	43	87	3	90	88	0	88	6753.04	17	65	23
	Sep 2022	32	80	3	83	83	0	83	6753.04	17	55	28
	WY 2022	735	612	70	683	633	50	682			385	294
	Oct 2022	34	80	3	83	83	0	83	6753.04	17	55	28
	Nov 2022	31	15	4	19	19	0	19	6753.04	17	0	19
	Dec 2022	27	16	4	20	20	0	20	6753.04	17	0	20
	Jan 2023	25	17	3	20	20	0	20	6753.04	17	0	20
	Feb 2023	23	15	3	18	18	0	18	6753.04	17	0	18
	Mar 2023	37	18	6	24	24	0	24	6753.04	17	5	19
	Apr 2023	77	58	10	68	68	0	68	6753.04	17	42	26
	May 2023	245	135	30	165	134	31	165	6753.04	17	62	103
	Jun 2023	305	46	35	81	81	0	81	6753.03	17	61	20
	Jul 2023	105	80	9	89	89	0	89	6753.04	17	65	24
	Aug 2023	58	82	4	86	86	0	86	6753.04	17	65	21
	Sep 2023	38	76	4	80	80	0	80	6753.04	17	55	25
	WY 2023	1005	638	115	753	722	31	753			410	343
	Oct 2023	40	73	4	77	77	0	77	6753.04	17	55	22
	Nov 2023	36	14	5	19	19	0	19	6753.04	17	0	19
	Dec 2023	32	15	5	20	20	0	20	6753.04	17	0	20
	Jan 2024	31	15	5	20	20	0	20	6753.04	17	0	20
	Feb 2024	29	14	4	18	18	0	18	6753.04	17	0	18
	Mar 2024	46	18	6	24	24	0	24	6753.04	17	5	19
	Apr 2024	100	39	11	50	50	0	50	6753.04	17	42	8
	May 2024	251	91	25	116	116	0	116	6753.04	17	62	54
	Jun 2024	293	144	28	172	130	42	172	6753.03	17	61	111
	Jul 2024	98	112	8	120	120	0	120	6753.04	17	65	55

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

Model Run ID: 3198

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2022 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)
*	Aug 2021	13	34	7628.72	43
H	Sep 2021	7	26	7615.74	24
	WY 2021	166	169		
I	Oct 2021	8	3	7619.62	29
S	Nov 2021	5	2	7621.90	32
T	Dec 2021	4	0	7624.23	35
O	Jan 2022	4	0	7626.39	39
R	Feb 2022	3	0	7628.13	42
I	Mar 2022	7	0	7631.90	48
C	Apr 2022	27	2	7644.01	73
A	May 2022	53	33	7652.10	92
L	Jun 2022	26	34	7648.50	83
*	Jul 2022	19	32	7642.57	70
	Aug 2022	13	37	7630.28	45
	Sep 2022	10	30	7617.14	26
	WY 2022	178	174		
	Oct 2022	10	17	7610.68	18
	Nov 2022	7	2	7615.36	23
	Dec 2022	5	2	7617.92	27
	Jan 2023	5	2	7620.30	30
	Feb 2023	4	2	7621.93	32
	Mar 2023	7	2	7625.28	37
	Apr 2023	18	2	7634.35	53
	May 2023	64	31	7649.34	86
	Jun 2023	67	43	7658.85	109
	Jul 2023	19	42	7649.59	86
	Aug 2023	12	38	7637.84	60
	Sep 2023	11	30	7627.75	41
	WY 2023	229	211		
	Oct 2023	10	17	7623.12	34
	Nov 2023	8	2	7627.03	40
	Dec 2023	7	2	7630.00	45
	Jan 2024	6	2	7632.27	49
	Feb 2024	5	2	7633.96	52
	Mar 2024	10	2	7637.98	60
	Apr 2024	23	2	7647.48	81
	May 2024	68	31	7661.98	118
	Jun 2024	62	57	7663.78	122
	Jul 2024	21	41	7655.72	101

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2022 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)
*	Aug 2021	5	1	24	3	39	41	6030.18	1010	48
H	Sep 2021	-3	0	16	2	25	48	6024.10	951	49
	WY 2021	461	60	405	23	222	359			549
I	Oct 2021	20	0	16	1	2	28	6022.31	887	45
S	Nov 2021	14	0	10	1	0	18	6021.39	879	36
T	Dec 2021	15	0	11	0	0	18	6020.63	872	35
O	Jan 2022	14	0	10	0	0	22	6019.21	859	38
R	Feb 2022	14	0	11	1	1	20	6018.00	848	33
I	Mar 2022	41	2	32	1	4	22	6018.57	853	38
C	Apr 2022	123	17	84	2	17	20	6023.53	898	44
A	May 2022	167	30	114	3	38	18	6029.39	954	104
L	Jun 2022	47	7	50	3	37	24	6027.89	939	61
*	Jul 2022	44	5	54	3	39	35	6025.41	916	55
	Aug 2022	32	1	55	3	47	34	6022.29	887	56
	Sep 2022	30	1	48	2	29	30	6020.95	875	48
	WY 2022	561	63	495	20	214	290			594
	Oct 2022	29	1	35	1	9	21	6021.32	878	38
	Nov 2022	26	0	20	1	0	16	6021.72	882	30
	Dec 2022	21	0	18	0	0	17	6021.78	882	28
	Jan 2023	19	0	16	0	0	19	6021.39	879	29
	Feb 2023	23	0	20	1	0	14	6021.97	884	23
	Mar 2023	60	5	50	1	5	15	6024.98	912	30
	Apr 2023	128	16	96	2	21	15	6031.12	970	54
	May 2023	235	32	170	3	35	15	6042.51	1087	140
	Jun 2023	190	25	141	4	51	15	6048.89	1158	155
	Jul 2023	30	2	51	4	56	20	6046.38	1130	70
	Aug 2023	24	1	48	3	39	28	6044.39	1108	56
	Sep 2023	25	1	43	2	18	25	6044.10	1105	47
	WY 2023	810	83	708	22	235	221			701
	Oct 2023	30	2	36	2	9	18	6044.75	1112	39
	Nov 2023	28	1	21	1	0	15	6045.22	1117	32
	Dec 2023	24	0	19	1	0	15	6045.46	1120	30
	Jan 2024	22	0	18	1	0	18	6045.35	1118	31
	Feb 2024	29	1	25	1	0	17	6045.95	1125	29
	Mar 2024	92	10	74	1	6	18	6050.19	1173	41
	Apr 2024	147	18	107	2	21	18	6055.71	1239	69
	May 2024	251	34	180	4	36	20	6065.17	1360	155
	Jun 2024	187	25	157	4	52	21	6071.04	1440	165
	Jul 2024	33	2	51	5	55	22	6068.79	1409	73

* 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

August 2022 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)
*	Aug 2021	292	452	35	801	0	801	3548.96	4655	7511	785
H	Sep 2021	159	380	31	622	0	622	3545.36	4634	7258	625
	WY 2021	3502	4064	277	8229	0	8229				8279
I	Oct 2021	317	419	21	481	0	481	3544.25	4628	7181	489
S	Nov 2021	346	342	20	500	0	500	3541.84	4615	7016	496
T	Dec 2021	266	290	16	600	0	600	3537.33	4591	6713	599
O	Jan 2022	249	269	4	673	0	673	3531.52	4561	6335	681
R	Feb 2022	215	235	4	540	0	540	3526.97	4538	6048	556
I	Mar 2022	329	327	7	574	0	574	3523.13	4519	5812	584
C	Apr 2022	594	490	12	502	0	502	3522.77	4517	5791	513
A	May 2022	1382	1212	14	598	0	598	3531.69	4561	6346	607
L	Jun 2022	1284	1198	25	598	0	598	3539.81	4604	6878	607
*	Jul 2022	491	463	28	672	0	672	3536.20	4551	6212	690
	Aug 2022	250	411	27	717	0	717	3531.13	4526	5904	735
	Sep 2022	240	410	24	544	0	544	3528.64	4514	5757	559
	WY 2022	5961	6065	203	7000	0	7000				7116
	Oct 2022	350	443	17	480	0	480	3527.80	4510	5707	493
	Nov 2022	375	384	16	500	0	500	3525.69	4500	5585	501
	Dec 2022	300	375	13	600	0	600	3521.84	4483	5365	602
	Jan 2023	275	358	3	664	0	664	3516.69	4460	5079	671
	Feb 2023	275	333	3	587	0	587	3512.28	4441	4841	596
	Mar 2023	455	397	6	620	0	620	3508.24	4424	4629	633
	Apr 2023	730	610	9	552	0	552	3509.12	4428	4675	569
	May 2023	1800	1603	12	550	0	550	3526.63	4505	5639	572
	Jun 2023	2300	1695	22	577	0	577	3543.23	4586	6654	598
	Jul 2023	795	692	29	652	0	652	3543.38	4587	6664	672
	Aug 2023	325	405	28	696	0	696	3538.71	4563	6368	714
	Sep 2023	320	410	26	522	0	522	3536.65	4553	6240	537
	WY 2023	8300	7705	183	7000	0	7000				7157
	Oct 2023	421	479	18	643	0	643	3533.91	4539	6072	656
	Nov 2023	452	439	17	642	0	642	3530.53	4523	5868	643
	Dec 2023	361	383	13	715	0	715	3525.07	4498	5549	717
	Jan 2024	350	370	3	780	0	780	3518.28	4467	5166	787
	Feb 2024	397	405	3	690	0	690	3513.36	4446	4899	699
	Mar 2024	614	502	6	730	0	730	3509.26	4428	4682	743
	Apr 2024	920	720	9	650	0	650	3510.34	4433	4739	667
	May 2024	2060	1746	12	650	0	650	3528.40	4513	5743	672
	Jun 2024	2423	1886	22	680	0	680	3546.07	4601	6838	701
	Jul 2024	711	673	29	770	0	770	3544.27	4591	6721	790

* 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

August 2022 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)
*	Aug 2021	801	89	67	766	12.5	31	766	587	1067.96	9038
H	Sep 2021	622	50	55	616	10.4	24	614	586	1067.68	9016
	WY 2021	8229	557	529	9361		241	9360			
I	Oct 2021	481	80	51	581	9.4	16	586	581	1066.77	8945
S	Nov 2021	500	42	44	642	10.8	10	650	572	1064.97	8804
T	Dec 2021	600	64	36	503	8.2	10	511	579	1066.39	8915
O	Jan 2022	673	60	25	640	10.4	11	639	583	1067.09	8970
R	Feb 2022	540	58	23	590	10.6	10	590	581	1066.78	8946
I	Mar 2022	574	41	25	1010	16.4	17	1009	555	1061.49	8536
C	Apr 2022	502	30	33	1027	17.3	17	1026	522	1054.69	8026
A	May 2022	598	8	40	1083	17.6	25	1075	489	1047.69	7517
L	Jun 2022	598	16	47	889	14.9	29	877	467	1043.02	7187
*	Jul 2022	672	73	45	822	13.4	34	814	458	1040.92	7041
	Aug 2022	717	66	48	630	10.2	35	630	462	1041.85	7106
	Sep 2022	544	62	47	634	10.7	27	634	456	1040.47	7010
	WY 2022	7000	602	462	9051		242	9040			
	Oct 2022	480	69	44	500	8.1	20	500	455	1040.26	6996
	Nov 2022	500	68	39	600	10.1	9	600	450	1039.18	6922
	Dec 2022	600	69	32	516	8.4	4	516	457	1040.78	7031
	Jan 2023	664	87	22	603	9.8	10	603	464	1042.35	7140
	Feb 2023	587	88	20	548	9.9	8	548	470	1043.69	7234
	Mar 2023	620	107	22	882	14.3	14	882	458	1041.10	7053
	Apr 2023	552	72	30	993	16.7	16	993	433	1035.38	6863
	May 2023	550	43	36	975	15.9	20	975	406	1029.18	6252
	Jun 2023	577	22	43	914	15.4	28	914	383	1023.56	5889
	Jul 2023	652	56	41	827	13.5	32	827	371	1020.71	5709
	Aug 2023	696	66	43	798	13.0	34	798	364	1019.00	5602
	Sep 2023	522	62	42	692	11.6	30	692	353	1016.28	5434
	WY 2023	7000	810	414	8849		225	8849			
	Oct 2023	643	69	40	526	8.6	24	526	361	1018.14	5549
	Nov 2023	642	68	35	649	10.9	14	649	361	1018.33	5561
	Dec 2023	715	69	29	543	8.8	9	543	374	1021.39	5752
	Jan 2024	780	87	20	581	9.4	10	581	390	1025.18	5992
	Feb 2024	690	88	19	525	9.1	8	525	403	1028.47	6206
	Mar 2024	730	107	21	860	14.0	15	860	400	1027.63	6150
	Apr 2024	650	72	28	972	16.3	17	972	382	1023.32	5874
	May 2024	650	43	34	955	15.5	21	955	362	1018.59	5577
	Jun 2024	680	22	41	897	15.1	29	897	346	1014.55	5328
	Jul 2024	770	56	39	809	13.2	33	809	343	1013.70	5277

* 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

August 2022 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)
*	Aug 2021	766	-6	23	731	0	731	11.9	843.54	1713
H	Sep 2021	616	9	18	756	0	756	12.7	838.04	1565
	WY 2021	9361	-82	198	9040	0	9040			
I	Oct 2021	581	-3	14	658	0	658	10.7	834.42	1471
S	Nov 2021	642	-9	13	543	0	543	9.1	837.48	1551
T	Dec 2021	503	-6	13	465	0	465	7.6	838.32	1573
O	Jan 2022	640	-20	9	523	0	523	8.5	841.60	1661
R	Feb 2022	590	-26	8	555	0	555	10.0	841.69	1663
I	Mar 2022	1010	-38	10	931	0	931	15.1	842.79	1693
C	Apr 2022	1027	-31	13	975	0	975	16.4	843.08	1701
A	May 2022	1083	-20	14	1041	0	1041	16.9	843.35	1708
L	Jun 2022	889	-30	14	842	0	842	14.1	843.47	1712
*	Jul 2022	822	-26	12	770	0	770	12.5	843.97	1725
	Aug 2022	630	-17	16	645	0	645	10.5	842.25	1678
	Sep 2022	634	-8	16	698	0	698	11.7	839.01	1591
	WY 2022	9051	-233	151	8646	0	8646			
	Oct 2022	500	-11	14	632	0	632	10.3	833.00	1434
	Nov 2022	600	-16	13	520	0	520	8.7	835.00	1486
	Dec 2022	516	-5	13	380	0	380	6.2	839.51	1604
	Jan 2023	603	-12	9	521	0	521	8.5	841.80	1666
	Feb 2023	548	-11	8	530	0	530	9.5	841.80	1666
	Mar 2023	882	-9	10	829	0	829	13.5	843.05	1700
	Apr 2023	993	-13	13	970	0	970	16.3	843.00	1699
	May 2023	975	-13	14	947	0	947	15.4	843.00	1699
	Jun 2023	914	-18	14	882	0	882	14.8	843.00	1699
	Jul 2023	827	-19	12	823	0	823	13.4	842.00	1671
	Aug 2023	798	-17	15	765	0	765	12.4	842.00	1671
	Sep 2023	692	-8	16	721	0	721	12.1	840.01	1617
	WY 2023	8849	-151	151	8520	0	8520			
	Oct 2023	526	-11	14	684	0	684	11.1	833.00	1434
	Nov 2023	649	-16	13	569	0	569	9.6	835.00	1486
	Dec 2023	543	-5	13	407	0	407	6.6	839.51	1604
	Jan 2024	581	-12	9	498	0	498	8.1	841.80	1666
	Feb 2024	525	-11	8	507	0	507	8.8	841.80	1666
	Mar 2024	860	-9	10	807	0	807	13.1	843.05	1700
	Apr 2024	972	-13	13	948	0	948	15.9	843.00	1699
	May 2024	955	-13	14	928	0	928	15.1	843.00	1699
	Jun 2024	897	-18	14	864	0	864	14.5	843.00	1699
	Jul 2024	809	-19	12	805	0	805	13.1	842.00	1671

* 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

August 2022 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)
*	Aug 2021	731	18	17	586	9.5	100	48	447.51	571	121	2.0
H	Sep 2021	758	5	15	516	8.7	97	106	448.49	590	116	1.9
	WY 2021	9040	116	140	6393		1065	1441			1519	
I	Oct 2021	658	18	12	421	6.8	99	139	448.37	587	67	1.1
S	Nov 2021	543	13	9	348	5.8	96	124	447.05	562	92	1.5
T	Dec 2021	465	16	7	281	4.6	99	87	447.33	567	89	1.5
O	Jan 2022	523	-3	6	342	5.6	96	89	446.38	550	114	1.9
R	Feb 2022	555	11	8	445	8.0	4	103	446.44	551	127	2.3
I	Mar 2022	931	2	9	658	10.7	97	133	448.02	580	170	2.8
C	Apr 2022	975	6	11	737	12.4	100	141	447.11	563	161	2.7
A	May 2022	1041	8	13	741	12.0	106	150	448.68	593	145	2.4
L	Jun 2022	842	18	15	679	11.4	103	60	448.31	586	154	2.6
*	Jul 2022	770	32	17	639	10.4	106	19	448.84	596	150	2.4
	Aug 2022	645	13	17	534	8.7	107	15	447.50	571	113	1.8
	Sep 2022	698	12	15	518	8.7	97	71	447.50	571	103	1.7
	WY 2022	8646	146	140	6344		1112	1129			1487	
	Oct 2022	632	18	12	442	7.2	100	89	447.50	570	62	1.0
	Nov 2022	520	17	9	375	6.3	82	65	447.50	571	91	1.5
	Dec 2022	380	18	7	259	4.2	85	62	446.50	552	86	1.4
	Jan 2023	521	14	6	310	5.0	99	115	446.50	552	136	2.2
	Feb 2023	530	5	8	401	7.2	18	101	446.50	552	122	2.2
	Mar 2023	829	4	9	609	9.9	99	104	446.70	555	145	2.4
	Apr 2023	970	8	11	715	12.0	96	108	448.70	593	144	2.4
	May 2023	947	6	13	722	11.7	99	108	448.70	593	108	1.8
	Jun 2023	882	7	16	719	12.1	96	45	448.70	593	114	1.9
	Jul 2023	823	14	17	684	11.1	99	37	448.00	580	120	2.0
	Aug 2023	765	13	17	624	10.2	99	36	447.50	571	100	1.6
	Sep 2023	721	12	15	524	8.8	96	88	447.50	570	97	1.6
	WY 2023	8520	135	139	6384		1068	957			1325	
	Oct 2023	684	18	12	482	7.8	99	102	447.50	571	87	1.4
	Nov 2023	569	17	9	372	6.2	96	103	447.50	570	113	1.9
	Dec 2023	407	18	7	260	4.2	99	73	446.50	552	108	1.8
	Jan 2024	498	14	6	302	4.9	87	112	446.50	552	129	2.1
	Feb 2024	507	5	8	394	6.9	4	99	446.50	552	116	2.0
	Mar 2024	807	4	9	601	9.8	87	102	446.70	555	138	2.2
	Apr 2024	948	8	11	707	11.9	84	105	448.70	593	137	2.3
	May 2024	928	6	13	717	11.7	87	105	448.70	593	103	1.7
	Jun 2024	864	7	16	713	12.0	84	44	448.70	593	109	1.8
	Jul 2024	805	14	17	678	11.0	87	37	448.00	580	115	1.9

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

Model Run ID: 3198

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2022 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
*	Aug 2021	766	12.5	1067.96	9038	24	421.53	1322.1	286.1	93	373.4
H	Sep 2021	616	10.4	1067.68	9016	-22	425.37	1228.0	232.0	87	376.5
	WY 2021	9361							3643.8		
I	Oct 2021	581	9.4	1066.77	8945	-71	422.27	1228.0	216.2	87	372.4
S	Nov 2021	642	10.8	1064.97	8804	-140	421.30	938.0	241.3	67	375.8
T	Dec 2021	503	8.2	1066.39	8915	111	424.48	957.0	185.9	68	369.9
O	Jan 2022	640	10.4	1067.09	8970	55	420.00	993.0	236.8	67	370.2
R	Feb 2022	590	10.6	1066.78	8946	-24	420.26	994.0	220.4	67	373.2
I	Mar 2022	1010	16.4	1061.49	8536	-409	413.69	898.0	375.9	62	372.3
C	Apr 2022	1027	17.3	1054.69	8026	-511	405.75	863.0	380.5	61	370.4
A	May 2022	1083	17.6	1047.69	7517	-509	397.38	1082.0	391.7	80	361.7
L	Jun 2022	889	14.9	1043.02	7187	-330	396.77	1076.9	315.1	81	354.6
*	Jul 2022	822	13.4	1040.92	7041	-146	392.29	1236.6	287.9	94	350.1
	Aug 2022	630	10.2	1041.85	7106	65	388.89	1224.8	218.5	94	346.7
	Sep 2022	634	10.7	1040.47	7010	-96	390.28	1213.0	218.1	94	343.8
	WY 2022	9051							3288.4		
	Oct 2022	500	8.1	1040.26	6996	-14	394.39	894.8	178.5	69	356.6
	Nov 2022	600	10.1	1039.18	6922	-74	395.43	929.0	212.8	72	354.9
	Dec 2022	516	8.4	1040.78	7031	110	392.94	1018.4	183.5	78	355.4
	Jan 2023	603	9.8	1042.35	7140	109	392.90	950.9	212.1	72	351.4
	Feb 2023	548	9.9	1043.69	7234	93	394.15	878.7	193.8	66	353.7
	Mar 2023	882	14.3	1041.10	7053	-180	392.48	951.8	317.1	73	359.5
	Apr 2023	993	16.7	1035.38	6663	-390	388.06	912.6	348.3	72	350.6
	May 2023	975	15.9	1029.18	6252	-411	382.15	887.5	337.5	72	346.2
	Jun 2023	914	15.4	1023.56	5889	-363	375.01	1010.2	305.6	85	334.2
	Jul 2023	827	13.5	1020.71	5709	-180	369.59	1181.8	271.9	100	328.7
	Aug 2023	798	13.0	1019.00	5602	-107	367.66	1169.0	259.7	100	325.6
	Sep 2023	692	11.6	1016.28	5434	-168	366.11	1156.2	221.9	100	320.9
	WY 2023	8849							3042.7		
	Oct 2023	526	8.6	1018.14	5549	115	371.06	808.9	171.1	69	325.2
	Nov 2023	649	10.9	1018.33	5561	12	374.39	805.8	215.1	69	331.5
	Dec 2023	543	8.8	1021.39	5752	191	373.88	815.0	178.6	69	329.1
	Jan 2024	581	9.4	1025.18	5992	241	374.79	766.1	192.7	72	331.9
	Feb 2024	525	9.1	1028.47	6206	213	377.99	739.9	175.6	67	334.6
	Mar 2024	860	14.0	1027.63	6150	-55	378.01	818.5	294.3	75	342.2
	Apr 2024	972	16.3	1023.32	5874	-276	374.47	852.9	322.1	81	331.5
	May 2024	955	15.5	1018.59	5577	-298	370.69	752.6	316.7	74	331.5
	Jun 2024	897	15.1	1014.55	5328	-248	365.65	794.5	289.8	81	323.1
	Jul 2024	809	13.2	1013.70	5277	-52	361.67	972.4	257.5	100	318.2

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

Model Run ID: 3198

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2022 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
*	Aug 2021	731	11.8	643.54	1713	6	144.21	255.0	93.7	100	128.2
H	Sep 2021	756	12.7	638.04	1565	-148	136.46	255.0	95.1	100	125.8
WY 2021		9040							1141.6		
I	Oct 2021	658	10.7	634.42	1471	-95	134.72	215.5	80.2	85	121.9
S	Nov 2021	543	9.1	637.48	1551	80	136.32	164.9	65.8	65	121.0
T	Dec 2021	465	7.6	638.32	1573	22	137.10	192.5	56.1	75	120.6
O	Jan 2022	523	8.5	641.60	1661	88	139.02	159.6	64.6	63	123.6
R	Feb 2022	555	10.0	641.69	1663	2	140.45	174.9	72.1	69	130.0
I	Mar 2022	931	15.1	642.79	1693	30	140.26	253.3	118.7	99	127.4
C	Apr 2022	975	16.4	643.08	1701	8	137.93	255.0	124.0	100	127.1
A	May 2022	1041	16.9	643.35	1708	7	140.42	241.8	132.1	95	126.9
L	Jun 2022	842	14.1	643.47	1712	3	139.18	251.6	108.5	99	128.9
*	Jul 2022	770	12.5	643.97	1725	14	144.37	255.0	99.3	100	129.1
	Aug 2022	645	10.5	642.25	1678	-47	141.06	253.3	81.9	99	127.1
	Sep 2022	698	11.7	639.01	1591	-87	138.08	255.0	86.8	100	124.4
WY 2022		8646							1090.1		
	Oct 2022	632	10.3	633.00	1434	-156	134.03	227.0	76.3	89	120.8
	Nov 2022	520	8.7	635.00	1486	51	132.68	159.8	62.1	63	119.5
	Dec 2022	380	6.2	639.51	1604	118	137.08	154.7	47.0	61	123.5
	Jan 2023	521	8.5	641.80	1666	62	139.45	156.3	65.4	61	125.6
	Feb 2023	530	9.5	641.80	1666	0	140.14	156.6	66.9	61	126.3
	Mar 2023	829	13.5	643.05	1700	34	139.22	194.1	104.0	76	125.4
	Apr 2023	970	16.3	643.00	1699	-2	138.84	249.9	121.3	98	125.1
	May 2023	947	15.4	643.00	1699	0	139.11	255.0	118.7	100	125.3
	Jun 2023	882	14.8	643.00	1699	0	139.31	255.0	110.7	100	125.5
	Jul 2023	823	13.4	642.00	1671	-27	139.33	255.0	103.3	100	125.5
	Aug 2023	765	12.4	642.00	1671	0	139.18	255.0	95.9	100	125.4
	Sep 2023	721	12.1	640.01	1617	-54	138.30	255.0	89.9	100	124.6
WY 2023		8520							1061.5		
	Oct 2023	684	11.1	633.00	1434	-183	134.19	227.0	82.7	89	120.9
	Nov 2023	569	9.6	635.00	1486	51	132.33	159.8	67.8	63	119.2
	Dec 2023	407	6.6	639.51	1604	118	136.88	154.7	50.1	61	123.3
	Jan 2024	498	8.1	641.80	1666	62	139.61	156.3	62.7	61	125.8
	Feb 2024	507	8.8	641.80	1666	0	140.45	156.6	64.1	61	126.5
	Mar 2024	807	13.1	643.05	1700	34	139.35	194.1	101.3	76	125.5
	Apr 2024	948	15.9	643.00	1699	-2	138.96	249.9	118.7	98	125.2
	May 2024	928	15.1	643.00	1699	0	139.22	255.0	116.4	100	125.4
	Jun 2024	864	14.5	643.00	1699	0	139.42	255.0	108.6	100	125.6
	Jul 2024	805	13.1	642.00	1671	-27	139.43	255.0	101.1	100	125.6

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

Model Run ID: 3198

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2022 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
*	Aug 2021	586	9.5	447.51	571	-14	79.33	120.0	40.7	100	69.4
H	Sep 2021	516	8.7	448.49	590	19	80.37	120.0	35.7	100	69.2
	WY 2021	6393							442.4		
I	Oct 2021	421	6.8	448.37	587	-2	82.15	96.8	29.7	81	70.6
S	Nov 2021	348	5.8	447.05	562	-25	81.18	90.0	24.0	75	69.1
T	Dec 2021	281	4.8	447.33	567	5	81.34	102.6	18.6	85	66.1
O	Jan 2022	342	5.6	446.38	550	-18	80.46	93.9	23.0	78	67.4
R	Feb 2022	445	8.0	446.44	551	1	80.54	86.8	30.9	72	69.4
I	Mar 2022	658	10.7	448.02	580	30	77.95	112.3	45.8	94	69.6
C	Apr 2022	737	12.4	447.11	563	-17	79.08	120.0	50.8	100	68.9
A	May 2022	741	12.0	448.68	593	30	84.09	120.0	51.5	100	69.5
L	Jun 2022	679	11.4	448.31	586	-7	78.23	120.0	47.2	100	69.4
*	Jul 2022	639	10.4	448.84	596	10	82.19	120.0	44.7	100	69.9
	Aug 2022	534	8.7	447.50	571	-26	79.62	120.0	37.6	100	70.4
	Sep 2022	518	8.7	447.50	571	0	78.94	120.0	36.0	100	69.4
	WY 2022	6343							439.8		
	Oct 2022	442	7.2	447.50	570	0	79.64	93.9	31.2	78	70.4
	Nov 2022	375	6.3	447.50	571	0	80.08	90.0	25.7	75	68.6
	Dec 2022	259	4.2	446.50	552	-19	80.68	111.3	16.5	93	63.7
	Jan 2023	310	5.0	446.50	552	0	79.73	93.9	20.7	78	66.9
	Feb 2023	401	7.2	446.50	552	0	78.63	95.2	27.7	79	69.1
	Mar 2023	609	9.9	446.70	555	4	77.52	120.0	41.8	100	68.6
	Apr 2023	715	12.0	448.70	593	38	77.79	120.0	49.7	100	69.5
	May 2023	722	11.7	448.70	593	0	78.89	120.0	50.8	100	70.3
	Jun 2023	719	12.1	448.70	593	0	78.76	120.0	50.4	100	70.2
	Jul 2023	684	11.1	448.00	580	-13	78.78	120.0	47.8	100	69.8
	Aug 2023	624	10.2	447.50	571	-10	78.57	120.0	43.3	100	69.4
	Sep 2023	524	8.8	447.50	570	0	78.89	120.0	36.4	100	69.4
	WY 2023	6384							441.9		
	Oct 2023	482	7.8	447.50	571	0	79.34	91.0	33.8	76	70.1
	Nov 2023	372	6.2	447.50	570	0	80.11	92.0	25.5	77	68.6
	Dec 2023	260	4.2	446.50	552	-19	80.67	112.3	16.6	94	63.7
	Jan 2024	302	4.9	446.50	552	0	79.80	92.9	20.2	77	66.9
	Feb 2024	394	6.9	446.50	552	0	78.80	95.4	27.3	79	69.2
	Mar 2024	601	9.8	446.70	555	4	77.58	120.0	41.3	100	68.7
	Apr 2024	707	11.9	448.70	593	38	77.83	120.0	49.2	100	69.6
	May 2024	717	11.7	448.70	593	0	78.92	120.0	50.4	100	70.3
	Jun 2024	713	12.0	448.70	593	0	78.79	120.0	50.1	100	70.2
	Jul 2024	678	11.0	448.00	580	-13	78.82	120.0	47.4	100	69.9

* 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

August 2022 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
*	Aug 2021	310	37	25	34	20	3
H	Sep 2021	238	36	24	33	19	2
	Summer 2021	1614	182	140	190	114	17
I	Oct 2021	183	29	14	22	7	2
S	Nov 2021	189	19	3	6	2	3
T	Dec 2021	228	19	2	5	2	4
O	Jan 2022	252	19	3	5	1	4
R	Feb 2022	201	17	3	4	1	3
I	Mar 2022	208	19	8	9	4	3
	Winter 2022	1259	123	34	50	17	19
C	Apr 2022	179	19	11	15	10	0
A	May 2022	214	52	20	31	18	3
L	Jun 2022	222	41	18	25	16	6
*	Jul 2022	251	29	23	29	17	7
	Aug 2022	257	37	23	31	15	5
	Sep 2022	194	41	10	29	14	4
	Summer 2022	1317	219	104	161	90	26
	Oct 2022	170	28	0	29	14	4
	Nov 2022	176	24	0	5	3	4
	Dec 2022	210	38	3	6	3	4
	Jan 2023	230	39	4	6	3	4
	Feb 2023	201	35	3	5	3	3
	Mar 2023	211	24	4	7	4	3
	Winter 2023	1197	188	14	58	32	23
	Apr 2023	185	23	12	21	12	2
	May 2023	189	70	30	49	23	4
	Jun 2023	207	22	7	16	14	7
	Jul 2023	238	20	22	29	15	8
	Aug 2023	253	24	23	30	15	6
	Sep 2023	189	24	22	28	14	5
	Summer 2023	1262	184	117	172	93	32
	Oct 2023	232	25	20	26	13	5
	Nov 2023	229	22	4	5	3	5
	Dec 2023	253	25	4	5	3	4
	Jan 2024	271	25	4	5	3	4
	Feb 2024	236	24	4	5	3	4
	Mar 2024	247	17	5	7	4	4
	Winter 2024	1222	121	36	47	27	22
	Apr 2024	219	17	8	14	9	2
	May 2024	225	73	21	33	20	5
	Jun 2024	246	21	41	52	22	7
	Jul 2024	284	18	34	40	21	8

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2022 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 *****								***** CREDITABLE SPACE *****										
Aug 2022	899	457	732	17102	19190	20579	39769	899	457	732	2088	17102	20579	39769	1500	630	0	19.7
Sep 2022	976	499	761	17410	19645	20514	40160	976	499	761	2236	17410	20514	40160	2270	634	0	19.2
Oct 2022	1,072	549	773	17557	19952	20610	40562	1072	549	773	2395	17557	20610	40562	3040	500	0	18.9
Nov 2022	1,120	599	770	17607	20095	20624	40719	1120	599	770	2489	17607	20624	40719	3810	600	0	18.7
Dec 2022	1,153	587	766	17729	20236	20698	40934	1153	587	766	2507	17729	20698	40934	4580	516	0	18.6
Jan 2023	1,240	580	766	17949	20534	20589	41123	1240	580	766	2586	17949	20589	41123	5350	603	0	18.4
								***** EFFECTIVE SPACE *****										
Jan 2023	1,240	580	766	17949	20534	20589	41123	265	352	430	1047	17949	20589	39585	5350	603	0	18.5
Feb 2023	1,329	574	769	18235	20906	20480	41386	354	346	434	1134	18235	20480	39848	1500	548	0	18.2
Mar 2023	1,401	568	764	18473	21205	20386	41592	425	341	428	1194	18473	20386	40053	1500	882	0	17.9
Apr 2023	1,394	554	736	18684	21368	20567	41935	414	329	393	1136	18684	20567	40387	1500	993	0	17.7
May 2023	1,365	548	677	18639	21229	20957	42186	381	320	312	1012	18639	20957	40607	1500	975	0	18.4
Jun 2023	1,405	482	561	17675	20121	21368	41489	416	240	157	813	17675	21368	39855	1500	914	0	19.6
Jul 2023	1,139	279	490	16660	18567	21731	40297	134	16	31	181	16660	21731	38571	1500	827	0	19.5
								***** CREDITABLE SPACE *****										
Aug 2023	1,021	258	518	16649	18447	21911	40358	1021	258	518	1798	16649	21911	40358	1500	788	0	19.1
Sep 2023	1,041	279	540	16946	18805	22018	40823	1041	279	540	1860	16946	22018	40823	2270	692	0	18.6
Oct 2023	1,079	314	543	17074	19010	22186	41196	1079	314	543	1936	17074	22186	41196	3040	526	0	18.3
Nov 2023	1,109	349	536	17242	19236	22071	41307	1109	349	536	1994	17242	22071	41307	3810	649	0	18.2
Dec 2023	1,129	332	531	17445	19437	22059	41497	1129	332	531	1992	17445	22059	41497	4580	543	0	18.1
Jan 2024	1,173	319	528	17765	19785	21868	41654	1173	319	528	2021	17765	21868	41654	5350	581	0	18.0
								***** EFFECTIVE SPACE *****										
Jan 2024	1,173	319	528	17765	19785	21868	41654	480	319	477	1276	17765	21868	40909	5350	581	0	18.0
Feb 2024	1,210	308	529	18148	20195	21628	41822	515	308	477	1300	18148	21628	41075	1500	525	0	18.0
Mar 2024	1,242	296	523	18415	20476	21414	41890	544	296	470	1310	18415	21414	41139	1500	860	0	17.8
Apr 2024	1,213	275	475	18631	20595	21470	42064	511	275	414	1201	18631	21470	41302	1500	972	0	17.8
May 2024	1,160	226	409	18575	20369	21746	42115	451	226	325	1001	18575	21746	41322	1500	955	0	18.8
Jun 2024	1,147	103	288	17571	19109	22043	41152	433	99	165	697	17571	22043	40311	1500	897	0	20.1
Jul 2024	840	5	208	16476	17529	22292	39821	107	-22	29	114	16476	22292	38891	1500	809	0	20.0

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

Model Run ID: 3198

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