



To: All Annual Operating Plan Recipients

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The operation of Lake Powell and Lake Mead in this July 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 0.48 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 will similarly model Lakes Powell and Mead as if the 0.48 maf had been delivered to Lake Mead for operating tier/condition purposes both for the U.S. Lower Basin and for Mexico.

Using the approach described in the immediately preceding paragraph, the July 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, the operational tier for Lake Powell in water year 2023 is projected be the Lower Elevation Balancing Tier and the water year release volume from Lake Powell is projected to be 7.00 maf. Additionally, the July 2022 24-Month Study projects the

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>.

January 1, 2023 Lake Mead elevation 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 is projected to govern the operation of Lake Mead for calendar year 2023. In addition, Section III.B of Exhibit 1 to the Lower Basin DCP Agreement is also projected to govern the operation of Lake Mead for calendar year 2023. Should the August 2022 24-Month Study determine that Glen Canyon Dam will operate in a balancing condition in water year 2023, Glen Canyon Dam operations will be implemented in a manner that preserves the benefits to Glen Canyon Dam facilities and operations in 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 June was 1.28 maf or 52 percent of the 30-year average from 1991 to 2020. The July unregulated inflow forecast for Lake Powell is 0.34 maf or 35 percent of the 30-year average. The 2022 April through July unregulated inflow forecast is 3.600 maf or 56 percent of average.

In this study, the calendar year 2022 diversion for Metropolitan Water District of Southern California (MWD) is projected to be 1.119 maf. The calendar year 2022 diversion for the Central Arizona Project (CAP) is projected to be 0.973 maf. Consumptive use for Nevada above Hoover (SNWP Use) is projected to be 0.254 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)				Jun	Inflow Forecast (kaf)			Seasonal Outlook	
	Mar	Apr	May	Jun	%Avg	Jul	Aug	Sep	Apr-Jul	%Avg
Lake Powell	329	594	1381	1284	52%	341	185	230	3600	56%
Fontenelle	46	50	63	241	79%	96	43	35	450	61%
Flaming Gorge	74	66	88	274	70%	112	47	37	540	56%
Blue Mesa	30	62	177	133	53%	53	38	29	425	67%
Morrow Point	31	65	186	134	50%	55	40	30	440	64%
Crystal	36	73	203	144	49%	60	43	32	480	62%
Taylor Park	4.1	7.8	27	26	65%	12.2	7.5	5.5	73	78%
Vallecito	7.1	27	53	26	41%	14	9	9	120	68%
Navajo	41	123	167	47	25%	18	16	25	355	56%
Lemon	1.07	5.4	16.2	5.2	29%	3.2	2.2	2	30	63%
McPhee	9.8	41	72	22	33%	8	6	6	143	56%
Ridgway	4.5	7	19.7	17.6	48%	8.7	6	5	53	58%
Deerlodge	45	123	425	315	80%	37	10	10	900	76%
Durango	12	35	112	54	38%	24	15	18	225	58%

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_07_ucb.pdf.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
*	Jul 2021	45	2	43	0	43	6494.70	250
H	Aug 2021	35	2	41	0	41	6493.52	242
I	Sep 2021	26	2	36	0	36	6491.82	230
	WY 2021	561	14	471	94	566		
S	Oct 2021	37	1	33	4	37	6491.62	229
T	Nov 2021	39	1	43	0	43	6491.01	225
O	Dec 2021	29	1	50	0	50	6487.63	203
R	Jan 2022	29	1	51	0	51	6483.90	180
I	Feb 2022	23	1	46	0	46	6479.63	157
C	Mar 2022	46	1	50	0	50	6478.63	151
A	Apr 2022	50	1	5	44	49	6478.74	152
L	May 2022	63	1	47	8	55	6479.96	158
*	Jun 2022	241	2	82	0	82	6503.59	315
	Jul 2022	96	3	100	1	102	6502.50	317
	Aug 2022	43	2	63	0	63	6499.55	295
	Sep 2022	35	2	60	0	60	6495.97	269
	WY 2022	730	15	630	57	688		
	Oct 2022	36	1	61	0	61	6492.18	242
	Nov 2022	34	1	59	0	59	6488.31	216
	Dec 2022	28	1	58	0	58	6483.31	185
	Jan 2023	26	1	58	0	58	6477.27	152
	Feb 2023	24	0	53	0	53	6471.02	123
	Mar 2023	42	0	59	0	59	6466.80	105
	Apr 2023	65	1	34	28	62	6467.35	107
	May 2023	130	1	76	0	76	6478.98	161
	Jun 2023	275	2	101	50	151	6497.90	283
	Jul 2023	165	3	103	23	126	6502.67	319
	Aug 2023	60	2	80	0	80	6499.77	296
	Sep 2023	40	2	65	0	65	6496.07	269
	WY 2023	925	14	809	101	910		
	Oct 2023	46	1	68	0	68	6492.77	246
	Nov 2023	43	1	64	0	64	6489.53	224
	Dec 2023	32	1	66	0	66	6483.98	189
	Jan 2024	30	1	66	0	66	6477.39	153
	Feb 2024	28	0	62	0	62	6469.90	118
	Mar 2024	50	0	65	0	65	6466.06	102
	Apr 2024	77	1	71	0	71	6467.34	107
	May 2024	167	1	83	0	83	6484.18	190
	Jun 2024	303	2	103	100	202	6498.65	288

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
*	Jul 2021	48	43	12	65	0	65	124	6022.61	3073	80
H	Aug 2021	44	50	12	98	0	98	121	6021.02	3016	111
I	Sep 2021	27	37	10	96	0	96	119	6019.15	2950	107
	WY 2021	650	657	77	835	0	835				1430
S	Oct 2021	49	50	7	77	0	77	117	6018.23	2918	107
T	Nov 2021	47	49	3	51	0	51	117	6018.09	2913	87
O	Dec 2021	21	41	2	52	0	52	117	6017.72	2900	82
R	Jan 2022	33	55	2	52	0	52	117	6017.75	2901	80
I	Feb 2022	30	54	2	47	0	47	117	6017.87	2905	70
C	Mar 2022	74	83	3	52	0	52	118	6018.65	2932	111
A	Apr 2022	66	62	5	51	0	51	118	6018.81	2938	179
L	May 2022	88	88	7	139	48	187	114	6015.77	2769	550
*	Jun 2022	274	113	9	110	12	121	113	6015.25	2752	465
	Jul 2022	112	118	11	83	0	83	114	6015.94	2775	120
	Aug 2022	47	67	11	109	0	109	112	6014.41	2725	119
	Sep 2022	37	62	9	107	0	107	110	6012.77	2672	117
	WY 2022	878	841	70	930	60	990				2086
	Oct 2022	44	69	6	99	0	99	109	6011.70	2638	123
	Nov 2022	42	67	3	95	0	95	108	6010.78	2609	122
	Dec 2022	29	59	1	89	0	89	107	6009.83	2579	112
	Jan 2023	32	64	1	92	0	92	105	6008.93	2551	114
	Feb 2023	35	64	2	81	0	81	105	6008.35	2533	103
	Mar 2023	85	102	2	91	0	91	105	6008.63	2541	148
	Apr 2023	105	102	4	119	0	119	104	6007.99	2521	324
	May 2023	180	126	6	215	0	215	101	6004.96	2429	720
	Jun 2023	355	231	8	68	0	68	106	6009.80	2578	468
	Jul 2023	200	161	11	61	0	61	110	6012.52	2664	126
	Aug 2023	67	87	10	80	0	80	110	6012.43	2661	95
	Sep 2023	46	71	9	75	0	75	109	6012.06	2649	90
	WY 2023	1220	1205	64	1164	0	1164				2544
	Oct 2023	55	77	6	54	0	54	110	6012.56	2665	82
	Nov 2023	50	72	3	57	0	57	110	6012.92	2677	88
	Dec 2023	33	67	1	71	0	71	110	6012.78	2672	95
	Jan 2024	40	76	1	71	0	71	110	6012.89	2676	95
	Feb 2024	41	76	2	66	0	66	111	6013.12	2683	91
	Mar 2024	87	102	3	52	0	52	113	6014.52	2728	126
	Apr 2024	113	107	4	51	0	51	115	6016.06	2779	253
	May 2024	244	160	7	221	0	221	112	6014.09	2714	733
	Jun 2024	392	291	9	63	0	63	120	6020.44	2925	430

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
* Jul 2021	11	16	9311.57	72
H Aug 2021	7	15	9306.36	64
I Sep 2021	4	10	9302.48	59
WY 2021	92	102		
S Oct 2021	5	5	9302.69	59
T Nov 2021	4	4	9302.58	59
O Dec 2021	5	5	9302.55	59
R Jan 2022	4	4	9302.29	58
I Feb 2022	3	4	9301.88	58
C Mar 2022	4	4	9301.56	57
A Apr 2022	8	6	9302.92	59
L May 2022	27	12	9312.55	74
* Jun 2022	26	19	9316.61	81
Jul 2022	12	15	9314.82	78
Aug 2022	8	13	9311.28	72
Sep 2022	6	8	9309.94	70
WY 2022	111	99		
Oct 2022	6	6	9310.14	70
Nov 2022	5	5	9310.11	70
Dec 2022	5	5	9309.64	69
Jan 2023	4	5	9308.88	68
Feb 2023	4	5	9308.04	67
Mar 2023	4	5	9307.26	66
Apr 2023	7	6	9307.91	67
May 2023	25	12	9315.87	80
Jun 2023	38	18	9326.70	100
Jul 2023	15	21	9323.59	94
Aug 2023	9	18	9318.44	84
Sep 2023	7	15	9313.52	76
WY 2023	127	121		
Oct 2023	6	9	9311.90	73
Nov 2023	5	5	9311.68	73
Dec 2023	4	5	9311.19	72
Jan 2024	5	5	9310.85	71
Feb 2024	4	5	9310.32	70
Mar 2024	5	5	9309.94	70
Apr 2024	9	9	9310.00	70
May 2024	26	15	9316.67	81
Jun 2024	40	18	9328.45	103

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
*	Jul 2021	53	58	1	98	0	98	7457.21	350
H	Aug 2021	45	53	1	93	0	93	7450.20	310
I	Sep 2021	19	25	1	94	0	94	7436.58	241
	WY 2021	518	528	6	713	2	715		
S	Oct 2021	27	26	0	58	0	58	7429.52	209
T	Nov 2021	27	27	0	16	0	16	7431.94	220
O	Dec 2021	22	22	0	11	0	11	7434.40	231
R	Jan 2022	20	20	0	14	0	14	7435.60	236
I	Feb 2022	18	19	0	14	0	14	7436.57	241
C	Mar 2022	30	30	0	32	0	32	7436.17	239
A	Apr 2022	62	60	0	44	0	46	7438.94	252
L	May 2022	177	162	1	79	0	79	7454.56	335
*	Jun 2022	133	126	1	69	0	69	7463.76	391
	Jul 2022	53	56	1	81	0	81	7459.59	365
	Aug 2022	38	44	1	84	0	84	7452.54	323
	Sep 2022	29	31	1	77	0	77	7443.81	277
	WY 2022	634	623	6	580	0	582		
	Oct 2022	29	29	0	74	0	74	7434.32	231
	Nov 2022	25	25	0	13	0	13	7436.85	242
	Dec 2022	21	22	0	14	0	14	7438.52	250
	Jan 2023	20	21	0	15	0	15	7439.84	257
	Feb 2023	18	19	0	13	0	13	7441.13	263
	Mar 2023	28	29	0	17	0	17	7443.60	275
	Apr 2023	58	57	0	30	0	30	7448.70	302
	May 2023	185	172	1	70	0	70	7465.75	403
	Jun 2023	245	225	1	95	0	95	7484.01	532
	Jul 2023	92	98	1	76	0	76	7486.69	552
	Aug 2023	51	61	1	82	0	82	7483.68	529
	Sep 2023	33	42	1	78	0	78	7478.68	492
	WY 2023	805	799	7	577	0	577		
	Oct 2023	34	37	0	73	0	73	7473.63	456
	Nov 2023	30	31	0	14	0	14	7475.98	473
	Dec 2023	26	27	0	14	0	14	7477.82	486
	Jan 2024	25	26	0	14	0	14	7479.39	498
	Feb 2024	23	24	0	13	0	13	7480.88	508
	Mar 2024	38	38	0	16	0	16	7483.83	530
	Apr 2024	78	78	1	29	0	29	7490.22	579
	May 2024	203	192	1	68	0	68	7505.24	702
	Jun 2024	250	228	1	157	0	157	7513.21	772

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
*	Jul 2021	54	98	1	99	97	0	97	7152.51	111
H	Aug 2021	46	93	1	93	94	0	94	7150.92	110
I	Sep 2021	19	94	0	94	93	0	93	7152.50	111
	WY 2021	539	715	21	736	734	0	734		
S	Oct 2021	27	58	1	59	61	0	61	7149.67	109
T	Nov 2021	30	16	3	19	17	0	17	7151.77	110
O	Dec 2021	23	11	1	12	16	0	16	7145.62	106
R	Jan 2022	21	14	1	15	16	0	16	7144.25	105
I	Feb 2022	19	14	1	15	14	0	14	7145.30	105
C	Mar 2022	31	32	2	33	30	0	30	7149.87	109
A	Apr 2022	65	46	3	50	47	0	47	7153.31	112
L	May 2022	186	79	9	88	89	0	89	7152.08	111
*	Jun 2022	134	69	1	70	71	0	71	7150.86	110
	Jul 2022	55	81	2	83	81	0	81	7153.73	112
	Aug 2022	40	84	2	86	86	0	86	7153.73	112
	Sep 2022	30	77	1	78	78	0	78	7153.73	112
	WY 2022	661	582	27	608	607	0	607		
	Oct 2022	31	74	2	76	76	0	76	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	17	3	20	19	0	19	7153.73	112
	Apr 2023	67	30	9	39	39	0	39	7153.73	112
	May 2023	205	70	20	90	90	0	90	7153.73	112
	Jun 2023	265	95	20	115	115	0	115	7153.72	112
	Jul 2023	96	76	4	80	80	0	80	7153.73	112
	Aug 2023	54	82	3	85	85	0	85	7153.73	112
	Sep 2023	34	78	1	79	78	0	78	7153.73	112
	WY 2023	875	577	70	647	646	0	646		
	Oct 2023	36	73	2	74	74	0	74	7153.73	112
	Nov 2023	31	14	1	15	15	0	15	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	13	1	14	14	0	14	7153.73	112
	Mar 2024	40	16	2	18	18	0	18	7153.73	112
	Apr 2024	89	29	11	39	39	0	39	7153.73	112
	May 2024	226	68	23	91	91	0	91	7153.73	112
	Jun 2024	265	157	15	172	172	0	172	7153.72	112

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



July 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)
*	Jul 2021	60	97	6	103	103	0	103	6750.41	16	65	41
H	Aug 2021	52	94	6	100	100	0	100	6751.69	17	65	38
I	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
S	Oct 2021	32	61	5	66	34	32	66	6752.35	17	41	24
T	Nov 2021	34	17	4	21	22	0	22	6749.65	16	1	19
O	Dec 2021	27	16	4	21	20	0	21	6750.09	16	1	19
R	Jan 2022	25	16	4	21	20	0	21	6750.38	16	1	18
I	Feb 2022	22	14	3	17	18	0	18	6746.37	15	0	17
C	Mar 2022	36	30	4	34	32	1	32	6752.56	17	6	25
A	Apr 2022	73	47	8	54	54	1	54	6752.33	17	31	24
L	May 2022	203	89	17	105	92	13	106	6751.40	16	59	48
*	Jun 2022	145	71	10	82	80	2	81	6752.67	17	62	21
	Jul 2022	60	81	5	86	85	0	85	6753.04	17	65	20
	Aug 2022	43	86	3	89	89	0	89	6753.04	17	65	24
	Sep 2022	32	78	2	80	80	0	80	6753.04	17	55	25
	WY 2022	731	607	70	676	627	49	676			385	285
	Oct 2022	35	76	4	80	80	0	80	6753.04	17	55	25
	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	36	19	5	24	24	0	24	6753.04	17	5	19
	Apr 2023	77	39	10	49	49	0	49	6753.04	17	42	7
	May 2023	235	90	30	120	120	0	120	6753.04	17	62	58
	Jun 2023	300	115	35	150	130	20	150	6753.03	17	61	89
	Jul 2023	105	80	9	89	89	0	89	6753.04	17	65	24
	Aug 2023	58	85	4	89	89	0	89	6753.04	17	65	24
	Sep 2023	38	78	4	82	82	0	82	6753.04	17	55	27
	WY 2023	990	646	115	761	740	20	760			410	350
	Oct 2023	41	74	5	79	52	27	79	6753.04	17	55	24
	Nov 2023	36	15	4	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	4	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	7	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	172	28	200	130	70	200	6753.03	17	61	139

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
*	Jul 2021	19	36	7639.49	63
H	Aug 2021	13	34	7628.72	43
I	Sep 2021	7	26	7615.74	24
WY 2021		166	169		
S	Oct 2021	8	3	7619.62	29
T	Nov 2021	5	2	7621.90	32
O	Dec 2021	4	0	7624.23	35
R	Jan 2022	4	0	7626.39	39
I	Feb 2022	3	0	7628.13	42
C	Mar 2022	7	0	7631.90	48
A	Apr 2022	27	2	7644.01	73
L	May 2022	53	33	7652.10	92
*	Jun 2022	26	34	7648.50	83
	Jul 2022	14	37	7637.68	60
	Aug 2022	9	36	7622.10	32
	Sep 2022	9	28	7604.41	13
WY 2022		168	177		
	Oct 2022	9	16	7593.59	5
	Nov 2022	6	2	7600.26	9
	Dec 2022	5	2	7604.42	13
	Jan 2023	4	2	7606.93	15
	Feb 2023	4	2	7609.38	17
	Mar 2023	6	2	7613.28	21
	Apr 2023	18	2	7625.34	37
	May 2023	64	31	7642.44	70
	Jun 2023	67	43	7652.61	94
	Jul 2023	19	42	7642.75	70
	Aug 2023	12	38	7629.60	44
	Sep 2023	11	30	7616.97	25
WY 2023		225	210		
	Oct 2023	10	17	7610.79	18
	Nov 2023	8	2	7616.27	25
	Dec 2023	7	2	7620.07	29
	Jan 2024	6	2	7622.91	33
	Feb 2024	5	2	7625.30	37
	Mar 2024	10	2	7629.90	45
	Apr 2024	23	2	7640.81	66
	May 2024	68	31	7656.22	103
	Jun 2024	62	43	7663.25	121

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
*	Jul 2021	24	2	40	4	45	35	6035.96	1070	57
H	Aug 2021	5	1	24	3	39	41	6030.18	1010	48
I	Sep 2021	-3	0	16	2	25	48	6024.10	951	49
WY 2021		461	60	405	23	222	359			549
S	Oct 2021	20	0	16	1	2	28	6022.31	887	45
T	Nov 2021	14	0	10	1	0	18	6021.39	879	36
O	Dec 2021	15	0	11	0	0	18	6020.63	872	35
R	Jan 2022	14	0	10	0	0	22	6019.21	859	38
I	Feb 2022	14	0	11	1	1	20	6018.00	848	33
C	Mar 2022	41	2	32	1	4	22	6018.57	853	38
A	Apr 2022	123	17	84	2	17	20	6023.53	898	44
L	May 2022	167	30	114	3	38	18	6029.39	954	104
*	Jun 2022	47	7	50	3	37	24	6027.89	939	63
	Jul 2022	18	0	41	3	56	38	6021.96	884	62
	Aug 2022	16	0	43	3	47	42	6016.55	836	57
	Sep 2022	25	0	44	2	26	30	6015.00	823	48
WY 2022		514	57	466	20	228	300			602
	Oct 2022	29	0	36	1	9	22	6015.37	826	38
	Nov 2022	25	0	21	1	0	16	6015.82	830	30
	Dec 2022	21	0	18	0	0	17	6015.91	830	28
	Jan 2023	19	0	17	0	0	19	6015.61	828	29
	Feb 2023	22	0	20	1	0	14	6016.15	832	23
	Mar 2023	58	3	50	1	5	15	6019.41	861	30
	Apr 2023	122	13	92	2	21	15	6025.43	916	55
	May 2023	225	29	163	3	35	15	6036.65	1026	140
	Jun 2023	190	24	142	3	51	15	6043.52	1098	155
	Jul 2023	30	1	51	4	56	20	6040.95	1071	70
	Aug 2023	24	1	49	3	47	28	6038.16	1041	56
	Sep 2023	25	0	43	2	26	25	6037.22	1032	47
WY 2023		790	73	702	21	250	222			702
	Oct 2023	31	1	37	1	9	18	6037.99	1040	38
	Nov 2023	28	0	22	1	0	15	6038.61	1046	32
	Dec 2023	24	0	19	1	0	15	6038.89	1049	30
	Jan 2024	22	0	17	1	0	18	6038.74	1047	32
	Feb 2024	29	0	25	1	0	17	6039.40	1054	29
	Mar 2024	92	9	76	1	6	18	6044.11	1105	41
	Apr 2024	147	17	108	2	21	18	6050.05	1172	69
	May 2024	252	33	182	3	36	19	6060.27	1296	154
	Jun 2024	187	23	145	4	52	21	6065.50	1364	165

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
*	Jul 2021	193	305	36	767	0	767	3553.88	4683	7866	763
H	Aug 2021	292	452	35	801	0	801	3548.96	4655	7511	785
I	Sep 2021	159	380	31	622	0	622	3545.36	4634	7258	625
	WY 2021	3502	4064	277	8229	0	8229				8279
S	Oct 2021	317	419	21	481	0	481	3544.25	4628	7181	489
T	Nov 2021	346	342	20	500	0	500	3541.84	4615	7016	496
O	Dec 2021	266	290	16	600	0	600	3537.33	4591	6713	599
R	Jan 2022	249	269	4	673	0	673	3531.52	4561	6335	681
I	Feb 2022	215	235	4	540	0	540	3526.97	4538	6048	556
C	Mar 2022	329	327	7	574	0	574	3523.13	4519	5812	584
A	Apr 2022	594	490	12	502	0	502	3522.77	4517	5791	513
L	May 2022	1382	1212	14	598	0	598	3531.69	4561	6346	607
*	Jun 2022	1284	1198	25	598	0	598	3539.81	4604	6878	607
	Jul 2022	341	413	27	673	0	673	3535.52	4583	6170	694
	Aug 2022	185	365	26	717	0	717	3529.71	4555	5820	735
	Sep 2022	230	379	24	543	0	543	3526.75	4541	5646	557
	WY 2022	5736	5939	202	7000	0	7000				7119
	Oct 2022	365	468	16	480	0	480	3526.31	4539	5620	493
	Nov 2022	375	407	16	500	0	500	3524.56	4531	5520	501
	Dec 2022	300	348	13	600	0	600	3520.25	4511	5275	602
	Jan 2023	275	330	3	664	0	664	3514.56	4486	4963	671
	Feb 2023	275	308	3	587	0	587	3509.62	4465	4701	596
	Mar 2023	445	405	5	620	0	620	3505.66	4449	4498	633
	Apr 2023	700	613	9	552	0	552	3506.60	4453	4546	569
	May 2023	1800	1575	11	550	0	550	3523.94	4528	5484	572
	Jun 2023	2300	1763	22	577	0	577	3541.80	4614	6563	598
	Jul 2023	820	711	28	652	0	652	3542.24	4616	6591	672
	Aug 2023	325	421	28	696	0	696	3537.79	4594	6310	714
	Sep 2023	320	419	26	522	0	522	3535.86	4584	6191	537
	WY 2023	8300	7769	181	7000	0	7000				7157
	Oct 2023	420	455	17	643	0	643	3532.75	4569	6001	656
	Nov 2023	452	429	17	642	0	642	3529.18	4552	5788	643
	Dec 2023	361	378	13	715	0	715	3523.59	4526	5464	717
	Jan 2024	350	367	3	780	0	780	3516.68	4495	5078	787
	Feb 2024	397	400	3	690	0	690	3511.63	4474	4807	699
	Mar 2024	614	499	6	730	0	730	3507.43	4456	4588	743
	Apr 2024	920	717	9	650	0	650	3508.47	4460	4642	667
	May 2024	2060	1737	11	650	0	650	3526.60	4540	5637	672
	Jun 2024	2423	1910	22	680	0	680	3544.80	4629	6756	701

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
*	Jul 2021	767	95	63	862	14.0	31	853	586	1067.65	9014
H	Aug 2021	801	89	67	766	12.5	31	766	587	1067.96	9038
I	Sep 2021	622	50	55	616	10.4	24	614	586	1067.68	9016
	WY 2021	8229	557	529	9361		241	9360			
S	Oct 2021	481	80	51	581	9.4	16	586	581	1066.77	8945
T	Nov 2021	500	42	44	642	10.8	10	650	572	1064.97	8804
O	Dec 2021	600	64	36	503	8.2	10	511	579	1066.39	8915
R	Jan 2022	673	60	25	640	10.4	11	639	583	1067.09	8970
I	Feb 2022	540	58	23	590	10.6	10	590	581	1066.78	8946
C	Mar 2022	574	42	25	1010	16.4	17	1009	555	1061.49	8536
A	Apr 2022	502	30	33	1027	17.3	17	1026	522	1054.69	8026
L	May 2022	598	9	40	1083	17.6	26	1075	489	1047.69	7517
*	Jun 2022	598	18	47	889	14.9	31	877	467	1043.02	7187
	Jul 2022	673	56	45	819	13.3	37	819	457	1040.70	7026
	Aug 2022	717	66	48	766	12.5	37	766	453	1039.77	6962
	Sep 2022	543	62	46	671	11.3	29	671	444	1037.83	6829
	WY 2022	7000	587	461	9221		251	9219			
	Oct 2022	480	69	44	471	7.7	22	471	445	1038.01	6841
	Nov 2022	500	68	38	565	9.5	11	565	442	1037.37	6798
	Dec 2022	600	69	31	474	7.7	6	474	451	1039.54	6946
	Jan 2023	664	87	22	604	9.8	11	604	458	1041.10	7054
	Feb 2023	587	88	20	549	9.9	8	549	464	1042.43	7146
	Mar 2023	620	107	22	883	14.4	15	883	453	1039.81	6965
	Apr 2023	552	72	29	994	16.7	17	994	427	1034.04	6573
	May 2023	550	43	36	975	15.9	21	975	400	1027.77	6160
	Jun 2023	577	22	43	915	15.4	30	915	377	1022.08	5796
	Jul 2023	652	56	40	828	13.5	34	828	365	1019.18	5613
	Aug 2023	696	66	43	798	13.0	36	798	358	1017.42	5505
	Sep 2023	522	62	42	692	11.6	32	692	347	1014.64	5334
	WY 2023	7000	810	411	8748		243	8748			
	Oct 2023	643	69	39	527	8.6	26	527	354	1016.49	5447
	Nov 2023	642	68	35	649	10.9	15	649	355	1016.67	5458
	Dec 2023	715	69	28	543	8.8	10	543	367	1019.74	5648
	Jan 2024	780	87	20	577	9.4	11	577	383	1023.60	5892
	Feb 2024	690	88	19	522	9.1	8	522	397	1026.96	6107
	Mar 2024	730	107	21	857	13.9	16	857	394	1026.14	6054
	Apr 2024	650	72	28	968	16.3	18	968	376	1021.84	5780
	May 2024	650	43	34	952	15.5	22	952	356	1017.10	5484
	Jun 2024	680	22	41	895	15.0	31	895	340	1013.03	5236

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
*	Jul 2021	862	-6	25	831	0	831	13.5	643.31	1707
H	Aug 2021	766	-6	23	731	0	731	11.9	643.54	1713
I	Sep 2021	616	9	18	756	0	756	12.7	638.04	1565
	WY 2021	9361	-82	198	9040	0	9040			
S	Oct 2021	581	-3	14	638	0	658	10.7	634.42	1471
T	Nov 2021	642	-9	13	543	0	543	9.1	637.48	1551
O	Dec 2021	503	-6	13	465	0	465	7.6	638.32	1573
R	Jan 2022	640	-20	9	523	0	523	8.5	641.60	1661
I	Feb 2022	590	-26	8	555	0	555	10.0	641.69	1663
C	Mar 2022	1010	-38	10	931	0	931	15.1	642.79	1693
A	Apr 2022	1027	-31	13	975	0	975	16.4	643.08	1701
L	May 2022	1083	-20	14	1041	0	1041	16.9	643.35	1708
*	Jun 2022	889	-29	14	842	0	842	14.1	643.47	1712
	Jul 2022	819	-19	12	814	0	814	13.2	642.50	1685
	Aug 2022	766	-17	16	741	0	741	12.0	642.25	1678
	Sep 2022	671	-8	16	708	0	708	11.9	640.01	1617
	WY 2022	9221	-226	151	8776	0	8796			
	Oct 2022	471	-11	14	629	0	629	10.2	633.00	1434
	Nov 2022	565	-16	13	485	0	485	8.2	635.00	1486
	Dec 2022	474	-5	13	338	0	338	5.5	639.51	1604
	Jan 2023	604	-12	9	522	0	522	8.5	641.80	1666
	Feb 2023	549	-11	8	530	0	530	9.5	641.80	1666
	Mar 2023	883	-9	10	830	0	830	13.5	643.05	1700
	Apr 2023	994	-13	13	970	0	970	16.3	643.00	1699
	May 2023	975	-13	14	948	0	948	15.4	643.00	1699
	Jun 2023	915	-18	14	882	0	882	14.8	643.00	1699
	Jul 2023	828	-19	12	823	0	823	13.4	642.00	1671
	Aug 2023	798	-17	15	766	0	766	12.5	642.00	1671
	Sep 2023	692	-8	16	722	0	722	12.1	640.01	1617
	WY 2023	8748	-151	151	8445	0	8445			
	Oct 2023	527	-11	14	685	0	685	11.1	633.00	1434
	Nov 2023	649	-16	13	569	0	569	9.6	635.00	1486
	Dec 2023	543	-5	13	407	0	407	6.6	639.51	1604
	Jan 2024	577	-12	9	495	0	495	8.0	641.80	1666
	Feb 2024	522	-11	8	504	0	504	8.8	641.80	1666
	Mar 2024	857	-9	10	804	0	804	13.1	643.05	1700
	Apr 2024	968	-13	13	945	0	945	15.9	643.00	1699
	May 2024	952	-13	14	925	0	925	15.0	643.00	1699
	Jun 2024	895	-18	14	863	0	863	14.5	643.00	1699

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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)
*	Jul 2021	831	15	17	669	10.9	106	51	448.23	585	147	2.4
H	Aug 2021	731	16	17	586	9.5	100	48	447.51	571	121	2.0
I	Sep 2021	756	5	15	516	8.7	97	106	448.49	590	116	1.9
	WY 2021	9040	116	140	6393		1065	1441			1519	
S	Oct 2021	658	18	12	421	6.8	99	139	448.37	587	67	1.1
T	Nov 2021	543	13	9	348	5.8	96	124	447.05	562	92	1.5
O	Dec 2021	465	16	7	281	4.6	99	87	447.33	567	89	1.5
R	Jan 2022	523	-3	6	342	5.6	96	89	446.38	550	114	1.9
I	Feb 2022	555	11	8	445	8.0	4	103	446.44	551	127	2.3
C	Mar 2022	931	2	9	658	10.7	97	133	448.02	580	170	2.8
A	Apr 2022	975	6	11	737	12.4	100	141	447.11	563	161	2.7
L	May 2022	1041	8	13	741	12.0	106	150	448.68	593	138	2.2
*	Jun 2022	842	18	15	679	11.4	103	60	448.31	586	143	2.4
	Jul 2022	814	14	17	679	11.0	106	20	448.00	580	142	2.3
	Aug 2022	741	13	17	610	9.9	106	20	447.50	570	114	1.9
	Sep 2022	708	12	15	515	8.7	103	77	447.50	571	105	1.8
	WY 2022	8796	130	139	6456		1117	1142			1463	
	Oct 2022	629	18	12	441	7.2	99	88	447.50	570	63	1.0
	Nov 2022	485	17	9	339	5.7	98	51	447.50	571	91	1.5
	Dec 2022	338	18	7	222	3.6	101	41	446.50	552	87	1.4
	Jan 2023	522	14	6	310	5.0	99	116	446.50	552	136	2.2
	Feb 2023	530	5	8	401	7.2	18	102	446.50	552	122	2.2
	Mar 2023	830	4	9	609	9.9	99	105	446.70	555	145	2.4
	Apr 2023	970	8	11	715	12.0	96	109	448.70	593	144	2.4
	May 2023	948	6	13	722	11.7	99	109	448.70	593	108	1.8
	Jun 2023	882	7	16	719	12.1	96	46	448.70	593	114	1.9
	Jul 2023	823	14	17	684	11.1	99	38	448.00	580	120	2.0
	Aug 2023	766	13	17	624	10.2	99	37	447.50	571	100	1.6
	Sep 2023	722	12	15	524	8.8	96	88	447.50	570	97	1.6
	WY 2023	8445	135	139	6310		1096	929			1327	
	Oct 2023	685	18	12	482	7.8	99	103	447.50	571	87	1.4
	Nov 2023	569	17	9	372	6.2	96	104	447.50	570	113	1.9
	Dec 2023	407	18	7	260	4.2	99	74	446.50	552	108	1.8
	Jan 2024	495	14	6	302	4.9	87	108	446.50	552	129	2.1
	Feb 2024	504	5	8	394	6.9	4	96	446.50	552	116	2.0
	Mar 2024	804	4	9	601	9.8	87	98	446.70	555	138	2.2
	Apr 2024	945	8	11	707	11.9	84	102	448.70	593	137	2.3
	May 2024	925	6	13	717	11.7	87	102	448.70	593	103	1.7
	Jun 2024	863	7	16	713	12.0	84	43	448.70	593	109	1.8

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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
*	Jul 2021	862	14.0	1067.65	9014	-88	421.16	1417.0	323.4	100	375.3
H	Aug 2021	766	12.5	1067.96	9038	24	421.53	1322.1	286.1	93	373.4
I	Sep 2021	616	10.4	1067.68	9016	-22	425.37	1228.0	232.0	87	376.5
WY 2021		9361							3643.8		
S	Oct 2021	581	9.4	1066.77	8945	-71	422.27	1228.0	216.2	87	372.4
T	Nov 2021	642	10.8	1064.97	8804	-140	421.30	938.0	241.3	67	375.8
O	Dec 2021	503	8.2	1066.39	8915	111	424.48	957.0	185.9	68	369.9
R	Jan 2022	640	10.4	1067.09	8970	55	420.00	993.0	236.8	67	370.2
I	Feb 2022	590	10.6	1066.78	8946	-24	420.26	994.0	220.4	67	373.2
C	Mar 2022	1010	16.4	1061.49	8536	-409	413.69	898.0	375.9	62	372.3
A	Apr 2022	1027	17.3	1054.69	8026	-511	405.75	863.0	380.5	61	370.4
L	May 2022	1083	17.6	1047.69	7517	-509	397.38	1082.0	391.7	80	361.7
*	Jun 2022	889	14.9	1043.02	7187	-330	396.77	1076.9	315.1	81	354.6
	Jul 2022	819	13.3	1040.70	7026	-161	389.44	1236.6	287.4	94	350.9
	Aug 2022	766	12.5	1039.77	6962	-64	388.23	1224.8	266.3	94	347.5
	Sep 2022	671	11.3	1037.83	6829	-133	387.62	1213.0	230.5	94	343.4
WY 2022		9221							3348.1		
	Oct 2022	471	7.7	1038.01	6841	12	391.63	894.8	165.8	69	352.2
	Nov 2022	565	9.5	1037.37	6798	-43	393.41	929.0	198.2	72	350.7
	Dec 2022	474	7.7	1039.54	6946	148	391.42	1018.4	166.7	78	351.5
	Jan 2023	604	9.8	1041.10	7054	108	391.66	950.9	211.6	72	350.2
	Feb 2023	549	9.9	1042.43	7146	93	392.91	878.7	193.4	66	352.5
	Mar 2023	883	14.4	1039.81	6965	-181	391.22	951.8	316.2	73	358.1
	Apr 2023	994	16.7	1034.04	6573	-392	386.76	912.6	347.1	72	349.2
	May 2023	975	15.9	1027.77	6160	-413	380.78	887.5	336.2	72	344.7
	Jun 2023	915	15.4	1022.08	5796	-364	373.58	1010.2	304.3	85	332.6
	Jul 2023	828	13.5	1019.18	5613	-182	368.10	1181.8	270.6	100	327.0
	Aug 2023	798	13.0	1017.42	5505	-109	366.12	1169.0	258.5	100	323.8
	Sep 2023	692	11.6	1014.64	5334	-170	364.53	1156.2	220.9	100	319.2
WY 2023		8748							2989.4		
	Oct 2023	527	8.6	1016.49	5447	113	369.43	808.9	170.4	69	323.5
	Nov 2023	649	10.9	1016.67	5458	11	372.74	805.8	214.1	69	329.7
	Dec 2023	543	8.8	1019.74	5648	190	370.48	883.6	176.0	86	324.0
	Jan 2024	577	9.4	1023.60	5892	243	373.19	756.5	190.5	72	330.0
	Feb 2024	522	9.1	1026.96	6107	216	376.45	731.2	173.7	67	332.8
	Mar 2024	857	13.9	1026.14	6054	-53	376.52	809.1	291.7	75	340.3
	Apr 2024	968	16.3	1021.84	5780	-274	373.00	842.7	319.3	81	329.7
	May 2024	952	15.5	1017.10	5484	-296	369.21	743.2	313.8	74	329.6
	Jun 2024	895	15.0	1013.03	5236	-248	364.16	784.1	287.7	81	321.3

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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
*	Jul 2021	831	13.5	643.31	1707	-1	139.09	253.3	106.2	99	127.8
H	Aug 2021	731	11.9	643.54	1713	6	144.21	255.0	93.7	100	128.2
I	Sep 2021	756	12.7	638.04	1565	-148	136.46	255.0	95.1	100	125.8
WY 2021		9040							1141.6		
S	Oct 2021	638	10.7	634.42	1471	-95	134.72	215.5	80.2	85	125.6
T	Nov 2021	543	9.1	637.48	1551	80	136.32	164.9	65.8	65	121.0
O	Dec 2021	465	7.6	638.32	1573	22	137.10	192.5	56.1	75	120.6
R	Jan 2022	523	8.5	641.60	1661	88	139.02	159.6	64.6	63	123.6
I	Feb 2022	555	10.0	641.69	1663	2	140.45	174.9	72.1	69	130.0
C	Mar 2022	931	15.1	642.79	1693	30	140.26	253.3	118.7	99	127.4
A	Apr 2022	975	16.4	643.08	1701	8	137.93	255.0	124.0	100	127.1
L	May 2022	1041	16.9	643.35	1708	7	140.42	241.8	132.1	95	126.9
*	Jun 2022	842	14.1	643.47	1712	3	139.18	251.6	108.5	99	128.9
	Jul 2022	814	13.2	642.50	1685	-27	139.87	255.0	102.5	100	126.0
	Aug 2022	741	12.0	642.25	1678	-7	139.71	255.0	93.2	100	125.9
	Sep 2022	708	11.9	640.01	1617	-61	138.52	255.0	88.4	100	124.8
WY 2022		8776							1106.2		
	Oct 2022	629	10.2	633.00	1434	-183	134.56	227.0	76.2	89	121.2
	Nov 2022	485	8.2	635.00	1486	51	132.93	159.8	58.1	63	119.8
	Dec 2022	338	5.5	639.51	1604	118	137.41	154.7	41.9	61	123.8
	Jan 2023	522	8.5	641.80	1666	62	139.44	156.3	65.5	61	125.6
	Feb 2023	530	9.5	641.80	1666	0	140.13	156.6	66.9	61	126.3
	Mar 2023	830	13.5	643.05	1700	34	139.22	194.1	104.1	76	125.4
	Apr 2023	970	16.3	643.00	1699	-2	138.83	249.9	121.4	98	125.1
	May 2023	948	15.4	643.00	1699	0	139.10	255.0	118.8	100	125.3
	Jun 2023	882	14.8	643.00	1699	0	139.31	255.0	110.8	100	125.5
	Jul 2023	823	13.4	642.00	1671	-27	139.32	255.0	103.3	100	125.5
	Aug 2023	766	12.5	642.00	1671	0	139.18	255.0	96.0	100	125.4
	Sep 2023	722	12.1	640.01	1617	-54	138.30	255.0	90.0	100	124.6
WY 2023		8445							1052.9		
	Oct 2023	685	11.1	633.00	1434	-183	134.19	227.0	82.8	89	120.9
	Nov 2023	569	9.6	635.00	1486	51	132.32	159.8	67.9	63	119.2
	Dec 2023	407	6.6	639.51	1604	118	136.88	154.7	50.2	61	123.3
	Jan 2024	495	8.0	641.80	1666	62	139.63	156.3	62.2	61	125.8
	Feb 2024	504	8.8	641.80	1666	0	140.47	156.6	63.7	61	126.6
	Mar 2024	804	13.1	643.05	1700	34	139.36	194.1	101.0	76	125.6
	Apr 2024	945	15.9	643.00	1699	-2	138.98	249.9	118.3	98	125.2
	May 2024	925	15.0	643.00	1699	0	139.24	255.0	116.0	100	125.4
	Jun 2024	863	14.5	643.00	1699	0	139.43	255.0	108.4	100	125.6

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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
*	Jul 2021	669	10.9	448.23	585	-6	80.10	120.0	46.6	100	69.6
H	Aug 2021	586	9.5	447.51	571	-14	79.33	120.0	40.7	100	69.4
I	Sep 2021	516	8.7	448.49	590	19	80.37	120.0	35.7	100	69.2
WY 2021		6393							442.4		
S	Oct 2021	421	6.8	448.37	587	-2	82.15	96.8	29.7	81	70.6
T	Nov 2021	348	5.8	447.05	562	-25	81.18	90.0	24.0	75	69.1
O	Dec 2021	281	4.6	447.33	567	5	81.34	102.6	18.6	85	66.1
R	Jan 2022	342	5.6	446.38	550	-18	80.46	93.9	23.0	78	67.4
I	Feb 2022	445	8.0	446.44	551	1	80.54	86.8	30.9	72	69.4
C	Mar 2022	658	10.7	448.02	580	30	77.95	112.3	45.8	94	69.6
A	Apr 2022	737	12.4	447.11	563	-17	79.08	120.0	50.8	100	68.9
L	May 2022	741	12.0	448.68	593	30	84.09	120.0	51.5	100	69.5
*	Jun 2022	679	11.4	448.31	586	-7	78.23	120.0	47.2	100	69.4
	Jul 2022	679	11.0	448.00	580	-6	78.62	120.0	47.3	100	69.7
	Aug 2022	610	9.9	447.50	570	-10	78.66	120.0	42.4	100	69.5
	Sep 2022	515	8.7	447.50	571	0	78.97	120.0	35.8	100	69.4
WY 2022		6455							447.0		
	Oct 2022	441	7.2	447.50	570	0	79.65	93.9	31.1	78	70.4
	Nov 2022	339	5.7	447.50	571	0	80.39	90.0	23.3	75	68.9
	Dec 2022	222	3.6	446.50	552	-19	81.02	111.3	14.2	93	64.0
	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		6310							437.2		
	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

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 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
*	Jul 2021	303	24	27	34	20	3
H	Aug 2021	310	37	25	34	20	3
I	Sep 2021	238	36	24	33	19	2
	Summer 2021	1614	182	140	190	114	17
S	Oct 2021	183	29	14	22	7	2
T	Nov 2021	189	19	3	6	2	3
O	Dec 2021	226	19	2	5	2	4
R	Jan 2022	252	19	3	5	1	4
I	Feb 2022	201	17	3	4	1	3
C	Mar 2022	208	19	8	9	4	3
	Winter 2022	1259	123	34	50	17	19
A	Apr 2022	179	19	11	15	10	0
L	May 2022	214	52	20	31	18	3
*	Jun 2022	222	41	18	25	16	6
	Jul 2022	244	27	22	29	15	8
	Aug 2022	257	36	22	31	15	5
	Sep 2022	192	35	20	28	14	4
	Summer 2022	1308	210	113	160	87	27
	Oct 2022	169	33	19	28	14	4
	Nov 2022	176	31	3	5	3	4
	Dec 2022	209	29	3	6	3	4
	Jan 2023	228	30	4	6	3	4
	Feb 2023	199	26	3	5	3	3
	Mar 2023	208	30	4	7	4	3
	Winter 2023	1190	179	36	57	31	22
	Apr 2023	184	39	8	14	8	2
	May 2023	188	70	19	32	21	4
	Jun 2023	206	22	27	42	22	7
	Jul 2023	239	20	22	29	15	8
	Aug 2023	254	26	24	31	15	6
	Sep 2023	189	25	22	28	14	5
	Summer 2023	1261	202	122	176	97	32
	Oct 2023	232	18	21	27	9	5
	Nov 2023	229	19	4	5	3	4
	Dec 2023	252	23	4	5	3	4
	Jan 2024	269	23	4	6	3	4
	Feb 2024	234	22	4	5	3	3
	Mar 2024	245	17	5	6	4	3
	Winter 2024	1216	105	36	48	22	21
	Apr 2024	217	17	8	14	9	4
	May 2024	223	73	20	33	20	5
	Jun 2024	244	21	49	62	22	7

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2022 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 ****										
Jul 2022	933	434	709	16877	18952	20433	39385	29	-28	3	5	16877	20433	37314	1500	819	0	20.0
**** CREDITABLE SPACE ****								**** EFFECTIVE SPACE ****										
Aug 2022	919	460	764	17144	19286	20594	39880	919	460	764	2143	17144	20594	39880	1500	766	0	19.4
Sep 2022	991	501	812	17494	19799	20658	40457	991	501	812	2304	17494	20658	40457	2270	671	0	18.9
Oct 2022	1,070	548	825	17667	20111	20791	40902	1070	548	825	2444	17667	20791	40902	3040	471	0	18.6
Nov 2022	1,131	594	822	17693	20241	20779	41019	1131	594	822	2547	17693	20779	41019	3810	565	0	18.5
Dec 2022	1,186	582	818	17794	20381	20822	41203	1186	582	818	2587	17794	20822	41203	4580	474	0	18.4
Jan 2023	1,247	574	818	18039	20678	20674	41352	1247	574	818	2639	18039	20674	41352	5350	604	0	18.2
**** EFFECTIVE SPACE ****								**** EFFECTIVE SPACE ****										
Jan 2023	1,247	574	818	18039	20678	20674	41352	265	330	422	1018	18039	20674	39731	5350	604	0	18.2
Feb 2023	1,308	568	820	18351	21047	20566	41614	325	325	425	1075	18351	20566	39992	1500	549	0	18.0
Mar 2023	1,355	562	815	18613	21345	20474	41819	371	320	419	1110	18613	20474	40196	1500	883	0	17.7
Apr 2023	1,364	549	787	18816	21517	20655	42172	377	308	384	1069	18816	20655	40541	1500	994	0	17.5
May 2023	1,382	522	732	18768	21404	21047	42451	391	280	307	977	18768	21047	40793	1500	975	0	18.2
Jun 2023	1,421	421	622	17830	20294	21460	41754	426	165	159	750	17830	21460	40040	1500	915	0	19.4
Jul 2023	1,150	293	550	16751	18744	21824	40569	139	16	32	187	16751	21824	38762	1500	828	0	19.3
**** CREDITABLE SPACE ****								**** CREDITABLE SPACE ****										
Aug 2023	1,028	273	577	16723	18601	22007	40608	1028	273	577	1878	16723	22007	40608	1500	798	0	18.8
Sep 2023	1,053	295	607	17003	18959	22115	41074	1053	295	607	1955	17003	22115	41074	2270	692	0	18.4
Oct 2023	1,092	332	616	17123	19163	22286	41449	1092	332	616	2041	17123	22286	41449	3040	527	0	18.1
Nov 2023	1,099	368	608	17312	19388	22173	41561	1099	368	608	2076	17312	22173	41561	3810	649	0	17.9
Dec 2023	1,110	352	602	17526	19589	22162	41751	1110	352	602	2063	17526	22162	41751	4580	543	0	17.9
Jan 2024	1,150	339	599	17850	19937	21972	41909	1150	339	599	2087	17850	21972	41909	5350	577	0	17.8
**** EFFECTIVE SPACE ****								**** EFFECTIVE SPACE ****										
Jan 2024	1,150	339	599	17850	19937	21972	41909	499	298	470	1267	17850	21972	41089	5350	577	0	17.8
Feb 2024	1,182	327	600	18235	20345	21728	42074	529	287	471	1287	18235	21728	41251	1500	522	0	17.7
Mar 2024	1,209	316	594	18507	20626	21513	42139	554	277	464	1294	18507	21513	41314	1500	857	0	17.6
Apr 2024	1,180	294	543	18726	20744	21566	42309	519	255	406	1181	18726	21566	41473	1500	968	0	17.6
May 2024	1,125	245	476	18672	20518	21840	42358	457	205	316	978	18672	21840	41490	1500	952	0	18.5
Jun 2024	1,106	122	352	17676	19257	22136	41393	434	70	152	656	17676	22136	40468	1500	895	0	19.9

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