



— BUREAU OF —
RECLAMATION

To: All Annual Operating Plan Recipients

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The operation of Lake Powell and Lake Mead in this June 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 June 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 7.05 maf. Additionally, the June 2022 24-Month Study projects

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>.

the 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 May was 1.382 maf or 67 percent of the 30-year average from 1991 to 2020. The June unregulated inflow forecast for Lake Powell is 1.200 maf or 49 percent of the 30-year average. The 2022 April through July unregulated inflow forecast is 3.500 maf or 55 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 0.971 maf. Consumptive use for Nevada above Hoover (SNWP Use) is projected to be 0.253 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)				Apr	Inflow Forecast (kaf)			Seasonal Outlook	
	Feb	Mar	Apr	May	%Avg	Jun	Jul	Aug	Apr-Jul	%Avg
Lake Powell	215	329	594	1381	67%	1200	325	170	3500	55%
Fontenelle	23	46	50	63	36%	220	102	45	435	59%
Flaming Gorge	30	74	66	88	36%	250	116	50	520	54%
Blue Mesa	18.2	30	62	177	88%	136	55	38	430	68%
Morrow Point	19	31	65	186	83%	139	55	40	445	64%
Crystal	22	36	73	203	81%	143	56	45	475	62%
Taylor Park	3.3	4.1	7.8	27	103%	33	12.2	8	80	85%
Vallecito	3.2	7.1	27	53	81%	15	8	7	103	58%
Navajo	13.9	41	123	167	69%	20	0	14	310	49%
Lemon	0.47	1.07	5.4	16.2	85%	3.6	1.8	1.7	27	56%
McPhee	2.3	9.8	41	72	66%	14	8	8	135	53%
Ridgway	2.8	4.5	7	19.7	85%	18	8.3	6	53	58%
Deerlodge	18.2	53	123	422	85%	300	35	11	880	74%
Durango	7.3	12	35	112	84%	41	17	13	205	53%

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_06_ucb.pdf.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 2022 24-Month Study

Most Probable Inflow*

Fontenelle Reservoir



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	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)
*	Jun 2021	143	2	42	0	42	6494.76	251
H	Jul 2021	45	2	43	0	43	6494.70	250
I	Aug 2021	35	2	41	0	41	6493.52	242
S	Sep 2021	26	2	36	0	36	6491.82	230
	WY 2021	561	14	471	94	566		
T	Oct 2021	37	1	33	4	37	6491.62	229
O	Nov 2021	39	1	43	0	43	6491.01	225
R	Dec 2021	29	1	50	0	50	6487.63	203
I	Jan 2022	29	1	51	0	51	6483.90	180
C	Feb 2022	23	1	46	0	46	6479.63	157
A	Mar 2022	46	1	50	0	50	6478.63	151
L	Apr 2022	50	1	5	44	49	6478.74	152
*	May 2022	63	1	47	8	55	6479.96	158
	Jun 2022	220	2	71	0	71	6501.86	312
	Jul 2022	102	3	74	0	74	6505.12	338
	Aug 2022	45	2	65	0	65	6502.27	315
	Sep 2022	35	2	60	0	60	6498.80	289
	WY 2022	717	15	595	56	651		
	Oct 2022	36	1	61	0	61	6495.13	262
	Nov 2022	34	1	60	0	60	6491.36	236
	Dec 2022	28	1	61	0	61	6486.16	202
	Jan 2023	26	1	61	0	61	6479.99	166
	Feb 2023	24	0	56	0	56	6473.55	134
	Mar 2023	42	0	63	0	63	6468.70	113
	Apr 2023	65	1	34	38	72	6466.77	105
	May 2023	130	1	90	0	90	6475.70	144
	Jun 2023	275	2	101	18	119	6499.98	298
	Jul 2023	165	3	100	10	110	6506.63	350
	Aug 2023	60	2	71	0	71	6504.92	336
	Sep 2023	40	2	65	0	65	6501.42	309
	WY 2023	925	15	824	66	890		
	Oct 2023	46	1	68	0	68	6498.32	286
	Nov 2023	43	1	68	0	68	6494.65	259
	Dec 2023	32	1	71	0	71	6488.83	219
	Jan 2024	30	1	71	0	71	6482.20	178
	Feb 2024	28	1	66	0	66	6474.69	139
	Mar 2024	50	0	69	0	69	6470.47	120
	Apr 2024	77	1	71	0	71	6471.62	125
	May 2024	167	1	90	0	90	6486.06	202

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 2022 24-Month Study

Most Probable Inflow*

Flaming Gorge Reservoir



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	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)
*	Jun 2021	148	46	10	80	0	80	125	6023.52	3106	205
H	Jul 2021	48	43	12	65	0	65	124	6022.61	3073	80
I	Aug 2021	44	50	12	98	0	98	121	6021.02	3016	111
S	Sep 2021	27	37	10	96	0	96	119	6019.15	2950	107
	WY 2021	650	657	77	835	0	835				1430
T	Oct 2021	49	50	7	77	0	77	117	6018.23	2918	107
O	Nov 2021	47	49	3	51	0	51	117	6018.09	2913	87
R	Dec 2021	21	41	2	52	0	52	117	6017.72	2900	82
I	Jan 2022	33	55	2	52	0	52	117	6017.75	2901	80
C	Feb 2022	30	53	2	47	0	47	117	6017.87	2905	70
A	Mar 2022	74	83	3	52	0	52	118	6018.65	2932	111
L	Apr 2022	66	62	5	51	0	51	118	6018.81	2938	179
*	May 2022	88	88	7	139	48	187	114	6015.77	2769	550
	Jun 2022	250	101	9	127	0	127	113	6014.76	2736	427
	Jul 2022	116	88	11	85	0	85	113	6014.52	2729	120
	Aug 2022	50	70	10	111	0	111	111	6013.00	2679	122
	Sep 2022	37	62	9	107	0	107	109	6011.35	2627	117
	WY 2022	861	802	70	951	48	999				2051
	Oct 2022	44	69	6	96	0	96	107	6010.36	2595	120
	Nov 2022	44	70	3	92	0	92	106	6009.58	2571	119
	Dec 2022	29	62	1	89	0	89	105	6008.71	2544	112
	Jan 2023	32	67	1	92	0	92	104	6007.90	2519	114
	Feb 2023	35	67	2	81	0	81	104	6007.41	2504	103
	Mar 2023	85	106	2	86	0	86	104	6007.95	2520	143
	Apr 2023	105	112	4	51	0	51	106	6009.72	2575	256
	May 2023	180	140	6	84	0	84	108	6011.23	2623	609
	Jun 2023	340	184	9	51	0	51	113	6014.97	2743	451
	Jul 2023	200	145	11	56	0	56	116	6017.23	2817	121
	Aug 2023	70	81	11	71	0	71	116	6017.22	2817	86
	Sep 2023	46	71	9	75	0	75	116	6016.85	2805	90
	WY 2023	1210	1175	66	924	0	924				2324
	Oct 2023	55	77	6	64	0	64	116	6017.04	2811	93
	Nov 2023	50	76	3	61	0	61	116	6017.39	2823	92
	Dec 2023	33	72	1	71	0	71	116	6017.38	2823	95
	Jan 2024	40	81	1	71	0	71	117	6017.63	2831	95
	Feb 2024	41	80	2	66	0	66	117	6017.97	2842	91
	Mar 2024	87	105	3	52	0	52	119	6019.41	2890	126
	Apr 2024	113	107	4	51	0	51	121	6020.89	2941	253
	May 2024	244	167	7	221	0	221	119	6019.16	2882	733

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 2022 24-Month Study

Most Probable Inflow*

Taylor Park Reservoir



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	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Jun 2021	24	16	9314.87	78
H	Jul 2021	11	16	9311.57	72
I	Aug 2021	7	15	9306.36	64
S	Sep 2021	4	10	9302.48	59
	WY 2021	92	102		
T	Oct 2021	5	5	9302.69	59
O	Nov 2021	4	4	9302.58	59
R	Dec 2021	5	5	9302.55	59
I	Jan 2022	4	4	9302.29	58
C	Feb 2022	3	4	9301.88	58
A	Mar 2022	4	4	9301.56	57
L	Apr 2022	8	6	9302.92	59
*	May 2022	27	12	9312.55	74
	Jun 2022	33	19	9320.84	88
	Jul 2022	12	17	9318.24	84
	Aug 2022	8	15	9313.98	76
	Sep 2022	6	12	9310.35	70
	WY 2022	119	107		
	Oct 2022	6	6	9310.55	71
	Nov 2022	5	5	9310.52	71
	Dec 2022	5	5	9310.05	70
	Jan 2023	4	5	9309.29	69
	Feb 2023	4	5	9308.46	67
	Mar 2023	4	5	9307.68	66
	Apr 2023	7	6	9308.33	67
	May 2023	26	15	9315.08	78
	Jun 2023	40	18	9327.03	100
	Jul 2023	15	21	9323.93	94
	Aug 2023	9	18	9318.80	85
	Sep 2023	7	18	9312.09	73
	WY 2023	130	127		
	Oct 2023	6	9	9310.44	71
	Nov 2023	5	5	9310.22	70
	Dec 2023	4	5	9309.72	69
	Jan 2024	5	5	9309.37	69
	Feb 2024	4	5	9308.83	68
	Mar 2024	5	5	9308.45	67
	Apr 2024	9	9	9308.50	68
	May 2024	26	15	9315.31	79

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 2022 24-Month Study

Most Probable Inflow*

Blue Mesa Reservoir



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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)
*	Jun 2021	127	119	1	77	0	77	7463.84	391
H	Jul 2021	53	58	1	98	0	98	7457.21	350
I	Aug 2021	45	53	1	93	0	93	7450.20	310
S	Sep 2021	19	25	1	94	0	94	7436.58	241
	WY 2021	518	528	6	713	2	715		
T	Oct 2021	27	26	0	58	0	58	7429.52	209
O	Nov 2021	27	27	0	16	0	16	7431.94	220
R	Dec 2021	22	22	0	11	0	11	7434.40	231
I	Jan 2022	20	20	0	14	0	14	7435.60	236
C	Feb 2022	18	19	0	14	0	14	7436.57	241
A	Mar 2022	30	30	0	32	0	32	7436.17	239
L	Apr 2022	62	60	0	44	0	46	7438.94	252
*	May 2022	177	162	1	79	0	79	7454.56	335
	Jun 2022	136	122	1	73	0	73	7462.52	383
	Jul 2022	55	60	1	82	0	82	7458.68	359
	Aug 2022	38	45	1	76	0	76	7453.28	328
	Sep 2022	27	33	1	75	0	75	7445.34	284
	WY 2022	637	626	6	575	0	577		
	Oct 2022	29	29	0	74	0	74	7436.02	238
	Nov 2022	25	25	0	13	0	13	7438.51	250
	Dec 2022	21	22	0	14	0	14	7440.15	258
	Jan 2023	20	21	0	15	0	15	7441.44	265
	Feb 2023	18	19	0	13	0	13	7442.71	271
	Mar 2023	28	29	0	17	0	17	7445.14	283
	Apr 2023	58	57	1	30	0	30	7450.15	310
	May 2023	185	174	1	70	0	70	7467.26	413
	Jun 2023	245	223	1	95	0	95	7485.06	540
	Jul 2023	92	98	1	76	0	76	7487.72	560
	Aug 2023	51	61	1	82	0	82	7484.72	537
	Sep 2023	33	45	1	78	0	78	7480.17	503
	WY 2023	805	802	7	577	0	577		
	Oct 2023	34	37	0	73	0	73	7475.17	467
	Nov 2023	30	31	0	14	0	14	7477.50	484
	Dec 2023	26	27	0	14	0	14	7479.31	497
	Jan 2024	25	26	0	14	0	14	7480.87	508
	Feb 2024	23	24	0	13	0	13	7482.35	519
	Mar 2024	38	38	0	16	0	16	7485.27	541
	Apr 2024	78	78	1	29	0	29	7491.60	590
	May 2024	203	192	1	68	0	68	7506.50	713

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 2022 24-Month Study

Most Probable Inflow*

Morrow Point Reservoir



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	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)
*	Jun 2021	132	77	4	81	85	0	85	7150.02	109
H	Jul 2021	54	98	1	99	97	0	97	7152.51	111
I	Aug 2021	46	93	1	93	94	0	94	7150.92	110
S	Sep 2021	19	94	0	94	93	0	93	7152.50	111
	WY 2021	539	715	21	736	734	0	734		
T	Oct 2021	27	58	1	59	61	0	61	7149.67	109
O	Nov 2021	30	16	3	19	17	0	17	7151.77	110
R	Dec 2021	23	11	1	12	16	0	16	7145.62	106
I	Jan 2022	21	14	1	15	16	0	16	7144.25	105
C	Feb 2022	19	14	1	15	14	0	14	7145.30	105
A	Mar 2022	31	32	2	33	30	0	30	7149.87	109
L	Apr 2022	65	46	3	50	47	0	47	7153.31	112
*	May 2022	186	79	9	88	89	0	89	7152.08	111
	Jun 2022	139	73	3	76	74	0	74	7153.72	112
	Jul 2022	55	82	0	82	82	0	82	7153.73	112
	Aug 2022	40	76	2	78	78	0	78	7153.73	112
	Sep 2022	29	75	2	77	77	0	77	7153.73	112
	WY 2022	665	577	27	604	602	0	602		
	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

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 2022 24-Month Study

Most Probable Inflow*
Crystal Reservoir



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		Unreg Inflow	Morrow Release	Side Inflow	Total Inflow	Power Release	Bypass Release	Total Release	Reservoir Elev End of Month	Live Storage	Tunnel Flow	Below Tunnel Flow
	Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)
*	Jun 2021	140	85	9	94	94	0	94	6751.32	16	62	33
H	Jul 2021	60	97	6	103	103	0	103	6750.41	16	65	41
I	Aug 2021	52	94	6	100	100	0	100	6751.69	17	65	38
S	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
T	Oct 2021	32	61	5	66	34	32	66	6752.35	17	41	24
O	Nov 2021	34	17	4	21	22	0	22	6749.65	16	1	19
R	Dec 2021	27	16	4	21	20	0	21	6750.09	16	1	19
I	Jan 2022	25	16	4	21	20	0	21	6750.38	16	1	18
C	Feb 2022	22	14	3	17	18	0	18	6746.37	15	0	17
A	Mar 2022	36	30	4	34	32	1	32	6752.56	17	6	25
L	Apr 2022	73	47	8	54	54	1	54	6752.33	17	31	24
*	May 2022	203	89	17	105	92	13	106	6751.40	16	59	48
	Jun 2022	143	74	4	78	78	0	78	6753.03	17	61	17
	Jul 2022	56	82	1	83	83	0	83	6753.04	17	65	18
	Aug 2022	45	78	5	83	83	0	83	6753.04	17	65	18
	Sep 2022	32	77	3	80	80	0	80	6753.04	17	55	25
	WY 2022	727	602	62	665	616	48	664			385	273
	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

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 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)
*	Jun 2021	44	39	7647.63	81
H	Jul 2021	19	36	7639.49	63
I	Aug 2021	13	34	7628.72	43
S	Sep 2021	7	26	7615.74	24
WY 2021		166	169		
T	Oct 2021	8	3	7619.62	29
O	Nov 2021	5	2	7621.90	32
R	Dec 2021	4	0	7624.23	35
I	Jan 2022	4	0	7626.39	39
C	Feb 2022	3	0	7628.13	42
A	Mar 2022	7	0	7631.90	48
L	Apr 2022	27	2	7644.01	73
*	May 2022	53	33	7652.10	92
	Jun 2022	15	33	7644.24	74
	Jul 2022	8	31	7632.97	50
	Aug 2022	7	28	7619.54	29
	Sep 2022	7	22	7605.07	13
WY 2022		147	155		
	Oct 2022	8	13	7598.51	8
	Nov 2022	6	2	7604.23	12
	Dec 2022	5	2	7607.86	16
	Jan 2023	4	2	7610.07	18
	Feb 2023	4	2	7612.27	20
	Mar 2023	6	2	7615.85	24
	Apr 2023	16	2	7625.94	38
	May 2023	63	31	7642.42	70
	Jun 2023	66	43	7652.18	92
	Jul 2023	19	42	7642.28	69
	Aug 2023	12	38	7629.00	43
	Sep 2023	11	30	7616.12	24
WY 2023		220	206		
	Oct 2023	10	17	7609.76	17
	Nov 2023	8	2	7615.41	24
	Dec 2023	7	2	7619.30	28
	Jan 2024	6	2	7622.21	32
	Feb 2024	5	2	7624.64	36
	Mar 2024	10	2	7629.31	44
	Apr 2024	23	2	7640.34	65
	May 2024	68	31	7655.82	102

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 2022 24-Month Study

Most Probable Inflow*

Navajo Reservoir



— BUREAU OF —
RECLAMATION

		Mod Unreg	Azotea	Reg	Evap	NIIP	Total	Reservoir Elev	Live	Farmington
	Date	Inflow	Tunnel Div	Inflow	Losses	Diversion	Release	End of Month	Storage	Flow
		(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)
*	Jun 2021	103	18	78	4	44	21	6040.14	1114	89
H	Jul 2021	24	2	40	4	45	35	6035.96	1070	57
I	Aug 2021	5	1	24	3	39	41	6030.18	1010	48
S	Sep 2021	-3	0	16	2	25	48	6024.10	951	49
	WY 2021	461	60	405	23	222	359			549
T	Oct 2021	20	0	16	1	2	28	6022.31	887	45
O	Nov 2021	14	0	10	1	0	18	6021.39	879	36
R	Dec 2021	15	0	11	0	0	18	6020.63	872	35
I	Jan 2022	14	0	10	0	0	22	6019.21	859	38
C	Feb 2022	14	0	11	1	1	20	6018.00	848	33
A	Mar 2022	41	2	32	1	4	22	6018.57	853	38
L	Apr 2022	123	17	84	2	17	20	6023.53	898	44
*	May 2022	167	30	114	3	38	18	6029.39	954	104
	Jun 2022	20	0	38	3	51	42	6023.17	895	83
	Jul 2022	0	0	23	3	56	51	6013.32	808	68
	Aug 2022	14	0	35	2	47	45	6006.21	750	58
	Sep 2022	15	0	30	2	26	33	6002.44	720	48
	WY 2022	457	49	415	19	242	338			630
	Oct 2022	29	0	33	1	9	23	6002.44	720	39
	Nov 2022	25	0	21	1	0	17	6002.82	723	31
	Dec 2022	21	0	18	0	0	17	6002.84	723	28
	Jan 2023	19	0	17	0	0	20	6002.41	719	30
	Feb 2023	22	0	20	0	0	15	6002.96	724	24
	Mar 2023	55	3	48	1	5	15	6006.23	750	30
	Apr 2023	120	13	93	2	21	15	6012.97	805	55
	May 2023	225	29	164	2	35	15	6025.49	916	140
	Jun 2023	185	23	139	3	51	15	6032.69	986	155
	Jul 2023	30	1	51	3	56	20	6029.87	958	70
	Aug 2023	24	1	49	3	47	29	6026.76	928	57
	Sep 2023	25	0	43	2	26	25	6025.70	918	47
	WY 2023	780	71	695	19	250	227			707
	Oct 2023	31	1	37	1	9	19	6026.48	926	39
	Nov 2023	28	0	22	1	0	15	6027.17	932	32
	Dec 2023	24	0	19	0	0	15	6027.47	935	30
	Jan 2024	22	0	17	0	0	18	6027.32	934	32
	Feb 2024	29	0	25	1	0	17	6028.05	941	29
	Mar 2024	92	9	76	1	6	18	6033.22	991	41
	Apr 2024	147	17	108	2	21	18	6039.78	1058	69
	May 2024	252	33	182	3	36	18	6051.03	1183	153

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 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)
*	Jun 2021	809	640	31	651	0	651	3560.06	4720	8328	663
H	Jul 2021	193	305	36	767	0	767	3553.88	4683	7866	763
I	Aug 2021	292	452	35	801	0	801	3548.96	4655	7511	785
S	Sep 2021	159	380	31	622	0	622	3545.36	4634	7258	625
	WY 2021	3502	4064	277	8229	0	8229				8279
T	Oct 2021	317	419	21	481	0	481	3544.25	4628	7181	489
O	Nov 2021	346	342	20	500	0	500	3541.84	4615	7016	496
R	Dec 2021	266	290	16	600	0	600	3537.33	4591	6713	599
I	Jan 2022	249	269	4	673	0	673	3531.52	4561	6335	681
C	Feb 2022	215	235	4	540	0	540	3526.97	4538	6048	556
A	Mar 2022	329	327	7	574	0	574	3523.13	4519	5812	584
L	Apr 2022	594	490	12	502	0	502	3522.77	4517	5791	513
*	May 2022	1382	1212	14	598	0	598	3531.69	4561	6346	607
	Jun 2022	1200	1085	25	598	0	598	3538.25	4596	6774	619
	Jul 2022	325	427	30	673	0	673	3534.36	4575	6518	694
	Aug 2022	170	346	29	717	0	717	3528.56	4545	6147	735
	Sep 2022	220	382	26	542	0	542	3525.79	4532	5975	557
	WY 2022	5610	5824	210	7000	0	7000				7130
	Oct 2022	365	466	18	480	0	480	3525.31	4529	5946	493
	Nov 2022	375	404	18	500	0	500	3523.59	4521	5840	501
	Dec 2022	310	359	14	600	0	600	3519.66	4502	5604	602
	Jan 2023	275	331	4	664	0	664	3514.32	4477	5292	671
	Feb 2023	275	308	4	587	0	587	3509.70	4456	5031	596
	Mar 2023	435	393	6	620	0	620	3505.79	4439	4815	633
	Apr 2023	700	546	10	552	0	552	3505.52	4438	4801	569
	May 2023	1860	1503	12	550	0	550	3520.80	4507	5672	572
	Jun 2023	2300	1765	23	577	0	577	3537.89	4594	6750	598
	Jul 2023	820	707	31	652	0	652	3538.24	4596	6773	672
	Aug 2023	315	400	30	696	0	696	3533.64	4571	6471	714
	Sep 2023	320	420	27	570	0	570	3531.08	4558	6307	584
	WY 2023	8350	7603	197	7048	0	7048				7205
	Oct 2023	424	470	19	643	0	643	3528.27	4544	6130	656
	Nov 2023	449	430	18	642	0	642	3524.84	4527	5917	643
	Dec 2023	352	369	14	715	0	715	3519.31	4500	5584	717
	Jan 2024	347	364	4	790	0	790	3512.45	4469	5185	797
	Feb 2024	396	399	4	700	0	700	3507.40	4446	4903	709
	Mar 2024	613	497	6	740	0	740	3503.15	4427	4672	753
	Apr 2024	935	732	10	660	0	660	3504.22	4432	4730	677
	May 2024	2114	1791	12	660	0	660	3522.36	4515	5766	682

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 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)
*	Jun 2021	651	-31	51	939	15.8	32	927	592	1068.77	9102
H	Jul 2021	767	95	63	862	14.0	31	853	586	1067.65	9014
I	Aug 2021	801	89	67	766	12.5	31	766	587	1067.96	9038
S	Sep 2021	622	50	55	616	10.4	24	614	586	1067.68	9016
	WY 2021	8229	557	529	9361		241	9360			
T	Oct 2021	481	80	51	581	9.4	16	586	581	1066.77	8945
O	Nov 2021	500	42	44	642	10.8	10	650	572	1064.97	8804
R	Dec 2021	600	64	36	503	8.2	10	511	579	1066.39	8915
I	Jan 2022	673	60	25	640	10.4	11	639	583	1067.09	8970
C	Feb 2022	540	58	23	590	10.6	10	590	581	1066.78	8946
A	Mar 2022	574	42	25	1010	16.4	17	1009	555	1061.49	8536
L	Apr 2022	502	30	33	1027	17.3	17	1026	522	1054.69	8026
*	May 2022	598	9	40	1083	17.6	26	1075	489	1047.69	7517
	Jun 2022	598	22	47	904	15.2	31	904	467	1042.88	7177
	Jul 2022	673	56	45	837	13.6	37	837	455	1040.33	7000
	Aug 2022	717	66	48	765	12.4	37	765	451	1039.41	6937
	Sep 2022	542	62	46	688	11.6	29	688	441	1037.23	6789
	WY 2022	7000	592	461	9269		250	9279			
	Oct 2022	480	69	44	465	7.6	21	465	442	1037.49	6806
	Nov 2022	500	68	38	571	9.6	11	571	439	1036.78	6758
	Dec 2022	600	69	31	466	7.6	6	466	449	1039.06	6913
	Jan 2023	664	87	22	604	9.8	11	604	456	1040.63	7021
	Feb 2023	587	88	20	549	9.9	8	549	462	1041.97	7114
	Mar 2023	620	107	22	883	14.4	15	883	451	1039.34	6932
	Apr 2023	552	72	29	994	16.7	17	994	425	1033.56	6541
	May 2023	550	43	36	976	15.9	21	976	398	1027.28	6128
	Jun 2023	577	22	43	915	15.4	30	915	375	1021.58	5764
	Jul 2023	652	56	40	828	13.5	34	828	363	1018.66	5581
	Aug 2023	696	66	43	798	13.0	36	798	356	1016.91	5473
	Sep 2023	570	62	42	692	11.6	32	692	348	1014.86	5347
	WY 2023	7048	810	410	8740		243	8740			
	Oct 2023	643	69	39	527	8.6	26	527	355	1016.70	5460
	Nov 2023	642	68	35	649	10.9	15	649	356	1016.88	5471
	Dec 2023	715	69	28	543	8.8	10	543	368	1019.94	5661
	Jan 2024	790	87	20	577	9.4	11	577	384	1023.94	5914
	Feb 2024	700	88	19	522	9.1	8	522	399	1027.45	6139
	Mar 2024	740	107	21	857	13.9	16	857	396	1026.77	6095
	Apr 2024	660	72	28	968	16.3	18	968	379	1022.63	5830
	May 2024	660	43	34	952	15.5	22	952	360	1018.06	5544

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 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)
*	Jun 2021	939	15	25	901	0	901	15.1	643.33	1708
H	Jul 2021	862	-6	25	831	0	831	13.5	643.31	1707
I	Aug 2021	766	-6	23	731	0	731	11.9	643.54	1713
S	Sep 2021	616	9	18	756	0	756	12.7	638.04	1565
	WY 2021	9361	-82	198	9040	0	9040			
T	Oct 2021	581	-3	14	638	0	658	10.7	634.42	1471
O	Nov 2021	642	-9	13	543	0	543	9.1	637.48	1551
R	Dec 2021	503	-6	13	465	0	465	7.6	638.32	1573
I	Jan 2022	640	-20	9	523	0	523	8.5	641.60	1661
C	Feb 2022	590	-26	8	555	0	555	10.0	641.69	1663
A	Mar 2022	1010	-38	10	931	0	931	15.1	642.79	1693
L	Apr 2022	1027	-31	13	975	0	975	16.4	643.08	1701
*	May 2022	1083	-20	14	1041	0	1041	16.9	643.35	1708
	Jun 2022	904	-18	14	881	0	881	14.8	643.00	1699
	Jul 2022	837	-19	12	819	0	819	13.3	642.50	1685
	Aug 2022	765	-17	16	746	0	746	12.1	642.00	1671
	Sep 2022	688	-8	16	718	0	718	12.1	640.01	1617
	WY 2022	9269	-215	151	8836	0	8856			
	Oct 2022	465	-11	14	623	0	623	10.1	633.00	1434
	Nov 2022	571	-16	13	491	0	491	8.2	635.00	1486
	Dec 2022	466	-5	13	330	0	330	5.4	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	976	-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	8740	-151	151	8438	0	8438			
	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	503	0	503	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

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 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)
*	Jun 2021	901	20	15	706	11.9	103	87	448.55	591	151	2.5
H	Jul 2021	831	15	17	669	10.9	106	51	448.23	585	147	2.4
I	Aug 2021	731	16	17	586	9.5	100	48	447.51	571	121	2.0
S	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	
T	Oct 2021	658	18	12	421	6.8	99	139	448.37	587	67	1.1
O	Nov 2021	543	13	9	348	5.8	96	124	447.05	562	92	1.5
R	Dec 2021	465	16	7	281	4.6	99	87	447.33	567	89	1.5
I	Jan 2022	523	-3	6	342	5.6	96	89	446.38	550	114	1.9
C	Feb 2022	555	12	8	445	8.0	4	103	446.44	551	127	2.3
A	Mar 2022	931	2	9	658	10.7	97	133	448.02	580	170	2.8
L	Apr 2022	975	6	11	737	12.4	100	141	447.11	563	161	2.7
*	May 2022	1041	9	13	741	12.0	106	150	448.68	593	138	2.2
	Jun 2022	881	7	16	702	11.8	103	58	448.50	589	143	2.4
	Jul 2022	819	14	17	687	11.2	106	20	448.00	580	139	2.3
	Aug 2022	746	13	17	615	10.0	106	20	447.50	571	118	1.9
	Sep 2022	718	12	15	515	8.7	103	86	447.50	570	104	1.7
	WY 2022	8856	119	139	6493		1117	1149			1463	
	Oct 2022	623	18	12	439	7.1	99	85	447.50	571	63	1.0
	Nov 2022	491	17	9	342	5.8	98	53	447.50	570	91	1.5
	Dec 2022	330	18	7	222	3.6	101	33	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	95	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	8438	135	139	6312		1096	919			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	95	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	503	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

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 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
*	Jun 2021	939	15.8	1068.77	9102	-378	419.04	1451.0	366.8	100	390.7
H	Jul 2021	862	14.0	1067.65	9014	-88	421.16	1417.0	323.4	100	375.3
I	Aug 2021	766	12.5	1067.96	9038	24	421.53	1322.1	286.1	93	373.4
S	Sep 2021	616	10.4	1067.68	9016	-22	425.37	1228.0	232.0	87	376.5
WY 2021		9361							3643.8		
T	Oct 2021	581	9.4	1066.77	8945	-71	422.27	1228.0	216.2	87	372.4
O	Nov 2021	642	10.8	1064.97	8804	-140	421.30	938.0	241.3	67	375.8
R	Dec 2021	503	8.2	1066.39	8915	111	424.48	957.0	185.9	68	369.9
I	Jan 2022	640	10.4	1067.09	8970	55	420.00	993.0	236.8	67	370.2
C	Feb 2022	590	10.6	1066.78	8946	-24	420.26	994.0	220.4	67	373.2
A	Mar 2022	1010	16.4	1061.49	8536	-409	413.69	898.0	375.9	62	372.3
L	Apr 2022	1027	17.3	1054.69	8026	-511	405.75	863.0	380.5	61	370.4
*	May 2022	1083	17.6	1047.69	7517	-509	397.38	1082.0	391.7	80	361.7
	Jun 2022	904	15.2	1042.88	7177	-340	394.04	1076.9	321.6	81	355.6
	Jul 2022	837	13.6	1040.33	7000	-177	389.34	1236.6	294.1	94	351.5
	Aug 2022	765	12.4	1039.41	6937	-63	387.95	1224.8	265.6	94	347.1
	Sep 2022	688	11.6	1037.23	6789	-149	387.23	1213.0	236.4	94	343.8
WY 2022		9269							3366.4		
	Oct 2022	465	7.6	1037.49	6806	18	390.42	988.2	163.0	75	350.2
	Nov 2022	571	9.6	1036.78	6758	-48	392.24	1008.2	199.3	78	349.2
	Dec 2022	466	7.6	1039.06	6913	155	390.90	1018.0	163.4	78	350.6
	Jan 2023	604	9.8	1040.63	7021	108	391.19	960.0	211.3	72	349.8
	Feb 2023	549	9.9	1041.97	7114	93	391.78	983.4	192.2	73	350.4
	Mar 2023	883	14.4	1039.34	6932	-181	390.19	1043.3	314.4	78	356.1
	Apr 2023	994	16.7	1033.56	6541	-391	386.28	940.4	346.5	72	348.6
	May 2023	976	15.9	1027.28	6128	-413	380.03	948.8	334.8	75	343.1
	Jun 2023	915	15.4	1021.58	5764	-364	372.83	1085.1	303.0	87	331.3
	Jul 2023	828	13.5	1018.66	5581	-182	367.59	1233.0	270.2	100	326.4
	Aug 2023	798	13.0	1016.91	5473	-109	365.61	1220.2	258.0	100	323.2
	Sep 2023	692	11.6	1014.86	5347	-126	364.38	1207.4	220.7	100	319.0
WY 2023		8740							2977.0		
	Oct 2023	527	8.6	1016.70	5460	113	369.64	844.9	170.6	69	323.8
	Nov 2023	649	10.9	1016.88	5471	11	372.46	738.1	213.4	74	328.6
	Dec 2023	543	8.8	1019.94	5661	190	370.69	885.1	176.1	86	324.3
	Jan 2024	577	9.4	1023.94	5914	253	373.46	758.6	190.7	72	330.3
	Feb 2024	522	9.1	1027.45	6139	225	376.87	734.0	173.8	67	333.2
	Mar 2024	857	13.9	1026.77	6095	-44	377.08	813.1	292.3	75	341.0
	Apr 2024	968	16.3	1022.63	5830	-265	373.71	848.1	320.0	81	330.5
	May 2024	952	15.5	1018.06	5544	-286	370.08	749.3	314.8	74	330.7

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 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
*	Jun 2021	901	15.1	643.33	1708	28	141.86	255.0	114.4	100	127.0
H	Jul 2021	831	13.5	643.31	1707	-1	139.09	253.3	106.2	99	127.8
I	Aug 2021	731	11.9	643.54	1713	6	144.21	255.0	93.7	100	128.2
S	Sep 2021	756	12.7	638.04	1565	-148	136.46	255.0	95.1	100	125.8
WY 2021		9040							1141.6		
T	Oct 2021	638	10.7	634.42	1471	-95	134.72	215.5	80.2	85	125.6
O	Nov 2021	543	9.1	637.48	1551	80	136.32	164.9	65.8	65	121.0
R	Dec 2021	465	7.6	638.32	1573	22	137.10	192.5	56.1	75	120.6
I	Jan 2022	523	8.5	641.60	1661	88	139.02	159.6	64.6	63	123.6
C	Feb 2022	555	10.0	641.69	1663	2	140.45	174.9	72.1	69	130.0
A	Mar 2022	931	15.1	642.79	1693	30	140.26	253.3	118.7	99	127.4
L	Apr 2022	975	16.4	643.08	1701	8	137.93	255.0	124.0	100	127.1
*	May 2022	1041	16.9	643.35	1708	7	140.42	241.8	132.1	95	126.9
	Jun 2022	881	14.8	643.00	1699	-10	139.49	251.6	110.8	99	125.7
	Jul 2022	819	13.3	642.50	1685	-14	139.61	255.0	103.0	100	125.8
	Aug 2022	746	12.1	642.00	1671	-14	139.54	255.0	93.8	100	125.7
	Sep 2022	718	12.1	640.01	1617	-54	138.33	255.0	89.4	100	124.6
WY 2022		8836							1110.4		
	Oct 2022	623	10.1	633.00	1434	-183	134.60	227.0	75.6	89	121.3
	Nov 2022	491	8.2	635.00	1486	51	132.89	159.8	58.8	63	119.7
	Dec 2022	330	5.4	639.51	1604	118	137.47	154.7	40.9	61	123.9
	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	138.84	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	110.7	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		8438							1052.0		
	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	62.3	61	125.8
	Feb 2024	503	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

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 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
*	Jun 2021	706	11.9	448.55	591	1	82.07	120.0	49.4	100	69.9
H	Jul 2021	669	10.9	448.23	585	-6	80.10	120.0	46.6	100	69.6
I	Aug 2021	586	9.5	447.51	571	-14	79.33	120.0	40.7	100	69.4
S	Sep 2021	516	8.7	448.49	590	19	80.37	120.0	35.7	100	69.2
WY 2021		6393							442.4		
T	Oct 2021	421	6.8	448.37	587	-2	82.15	96.8	29.7	81	70.6
O	Nov 2021	348	5.8	447.05	562	-25	81.18	90.0	24.0	75	69.1
R	Dec 2021	281	4.6	447.33	567	5	81.34	102.6	18.6	85	66.1
I	Jan 2022	342	5.6	446.38	550	-18	80.46	93.9	23.0	78	67.4
C	Feb 2022	445	8.0	446.44	551	1	80.54	86.8	30.9	72	69.4
A	Mar 2022	658	10.7	448.02	580	30	77.95	112.3	45.8	94	69.6
L	Apr 2022	737	12.4	447.11	563	-17	79.08	120.0	50.8	100	68.9
*	May 2022	741	12.0	448.68	593	30	84.09	120.0	51.5	100	69.5
	Jun 2022	702	11.8	448.50	589	-4	78.76	120.0	49.3	100	70.2
	Jul 2022	687	11.2	448.00	580	-10	78.66	120.0	47.9	100	69.7
	Aug 2022	615	10.0	447.50	571	-9	78.63	120.0	42.7	100	69.5
	Sep 2022	515	8.7	447.50	570	0	78.96	120.0	35.8	100	69.4
WY 2022		6492							450.1		
	Oct 2022	439	7.1	447.50	571	0	79.66	93.9	30.9	78	70.4
	Nov 2022	342	5.8	447.50	570	0	80.36	90.0	23.6	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		6312							437.3		
	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

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 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
*	Jun 2021	260	30	20	30	19	3
H	Jul 2021	303	24	27	34	20	3
I	Aug 2021	310	37	25	34	20	3
S	Sep 2021	238	36	24	33	19	2
	Summer 2021	1614	182	140	190	114	17
T	Oct 2021	183	29	14	22	7	2
O	Nov 2021	189	19	3	6	2	3
R	Dec 2021	226	19	2	5	2	4
I	Jan 2022	252	19	3	5	1	4
C	Feb 2022	201	17	3	4	1	3
A	Mar 2022	208	19	8	9	4	3
	Winter 2022	1259	123	34	50	17	19
L	Apr 2022	179	19	11	15	10	0
*	May 2022	214	52	20	31	18	3
	Jun 2022	216	42	20	27	13	5
	Jul 2022	243	28	22	30	14	6
	Aug 2022	256	36	20	28	14	5
	Sep 2022	192	35	20	28	14	5
	Summer 2022	1300	212	112	159	83	24
	Oct 2022	169	32	19	28	14	5
	Nov 2022	176	30	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	28	4	7	4	3
	Winter 2023	1190	175	37	57	31	23
	Apr 2023	184	17	8	14	8	2
	May 2023	187	27	19	32	21	5
	Jun 2023	205	17	27	42	22	7
	Jul 2023	236	19	22	29	15	8
	Aug 2023	251	24	24	31	15	6
	Sep 2023	204	25	22	28	14	5
	Summer 2023	1269	128	122	176	97	32
	Oct 2023	229	21	21	27	9	5
	Nov 2023	226	20	4	5	3	5
	Dec 2023	249	23	4	5	3	5
	Jan 2024	271	23	4	6	3	5
	Feb 2024	236	22	4	5	3	4
	Mar 2024	247	17	5	6	4	4
	Winter 2024	1212	110	36	48	22	24
	Apr 2024	219	17	8	14	9	4
	May 2024	224	74	21	33	20	5

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

June 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 ****										
Jun 2022	1,162	495	748	17976	20380	20103	40483	155	36	-32	158	17976	20103	38237	1500	904	0	20.8
Jul 2022	1,048	447	806	17548	19849	20443	40292	32	-27	-28	-24	17548	20443	37967	1500	837	0	20.2
**** CREDITABLE SPACE ****								**** EFFECTIVE SPACE ****										
Aug 2022	1,030	470	893	17804	20198	20620	40818	1030	470	893	2394	17804	20620	40818	1500	765	0	19.6
Sep 2022	1,102	502	952	18175	20730	20683	41413	1102	502	952	2555	18175	20683	41413	2270	688	0	19.1
Oct 2022	1,181	545	982	18347	21054	20831	41886	1181	545	982	2708	18347	20831	41886	3040	465	0	18.8
Nov 2022	1,239	591	982	18376	21188	20814	42002	1239	591	982	2812	18376	20814	42002	3810	571	0	18.6
Dec 2022	1,290	579	979	18482	21329	20862	42191	1290	579	979	2848	18482	20862	42191	4580	466	0	18.6
Jan 2023	1,351	571	978	18718	21618	20707	42325	1351	571	978	2901	18718	20707	42325	5350	604	0	18.4
**** EFFECTIVE SPACE ****								**** EFFECTIVE SPACE ****										
Jan 2023	1,351	571	978	18718	21618	20707	42325	476	330	416	1223	18718	20707	40647	5350	604	0	18.4
Feb 2023	1,412	565	982	19030	21988	20599	42587	536	325	419	1281	19030	20599	40909	1500	549	0	18.2
Mar 2023	1,459	559	978	19291	22286	20506	42793	582	320	414	1316	19291	20506	41114	1500	883	0	17.9
Apr 2023	1,464	546	951	19507	22468	20688	43156	583	308	382	1273	19507	20688	41468	1500	994	0	17.6
May 2023	1,416	519	896	19521	22353	21079	43432	529	280	304	1113	19521	21079	41714	1500	976	0	18.4
Jun 2023	1,330	416	785	18650	21181	21492	42673	433	165	155	753	18650	21492	40896	1500	915	0	19.6
Jul 2023	1,056	290	715	17572	19633	21856	41489	144	16	31	190	17572	21856	39619	1500	828	0	19.5
**** CREDITABLE SPACE ****								**** CREDITABLE SPACE ****										
Aug 2023	929	270	743	17549	19491	22039	41530	929	270	743	1942	17549	22039	41530	1500	798	0	19.0
Sep 2023	943	292	773	17851	19859	22147	42007	943	292	773	2009	17851	22147	42007	2270	692	0	18.6
Oct 2023	983	326	783	18015	20107	22273	42380	983	326	783	2092	18015	22273	42380	3040	527	0	18.3
Nov 2023	1,000	362	776	18192	20330	22160	42490	1000	362	776	2138	18192	22160	42490	3810	649	0	18.1
Dec 2023	1,015	346	769	18405	20535	22149	42684	1015	346	769	2130	18405	22149	42684	4580	543	0	18.1
Jan 2024	1,055	333	766	18738	20892	21959	42851	1055	333	766	2154	18738	21959	42851	5350	577	0	18.0
**** EFFECTIVE SPACE ****								**** EFFECTIVE SPACE ****										
Jan 2024	1,055	333	766	18738	20892	21959	42851	499	298	475	1272	18738	21959	41969	5350	577	0	18.0
Feb 2024	1,088	321	768	19137	21313	21706	43020	529	287	476	1292	19137	21706	42135	1500	522	0	17.9
Mar 2024	1,115	310	761	19419	21605	21481	43086	554	277	468	1299	19419	21481	42199	1500	857	0	17.8
Apr 2024	1,086	288	710	19650	21734	21525	43259	519	255	411	1185	19650	21525	42360	1500	968	0	17.8
May 2024	1,031	239	643	19592	21505	21790	43295	457	205	320	983	19592	21790	42364	1500	952	0	18.8

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